UNIVERSITY OF ZAGREB, SCHOOL OF MEDICINE

PROPOSAL OF THE DOCTORAL STUDY PROGRAMME

BIOMEDICINE AND HEALTH SCIENCES

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A. OVERVIEW OF THE STUDY PROGRAMME

A.1. GENERAL INFORMATION ON THE PROPOSED DOCTORAL STUDY

A.1.1. NAME OF THE PROPOSED DOCTORAL STUDY
University postgraduate doctoral program Biomedicine and Health Sciences

A.1.2. NAME OF THE PROVIDER OF THE STUDY PROGRAMME
University of Zagreb School of Medicine

THE COOPERATING INSTITUTION(S) PARTICIPATING IN THE STARTING AND IMPLEMENTATION OF THE DOCTORAL STUDY
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A.1.3. NAME OF THE IMPLEMENTER OF THE STUDY PROGRAMME
University of Zagreb School of Medicine

A.1.4. SCIENTIFIC OR ARTISTIC FIELD AND DISCIPLINE OF THE PROPOSED STUDY PROGRAMME
Area: biomedicine and health sciences
Field: basic medical sciences; clinical medicinal sciences, public health and health care
Branch (if the doctoral study is performed in a branch):

A.1.5. DURATION OF THE DOCTORAL STUDY IN ACCORDANCE WITH THE REGULATIONS (IN YEARS)
3

A.1.6. NUMBER OF REQUIRED COURSES/MODULES
8

A.1.7. NUMBER OF ELECTIVE COURSES/MODULES OFFERED WITHIN THE DOCTORAL STUDY
78

A.1.8. ACADEMIC TITLE EARNED UPON COMPLETION OF THE DOCTORAL STUDY
Doctor of Science - PhD

A.1.9. PROPOSED SMALLEST NUMBER OF DOCTORAL STUDENTS FOR ONE ACADEMIC YEAR
15

A.1.10 PROPOSED HIGHEST NUMBER OF DOCTORAL STUDENTS FOR ONE ACADEMIC YEAR
50
A.2. INTRODUCTION

A.2.1. REASONS FOR STARTING THE PROPOSED DOCTORAL STUDY

This proposal presents the Postgraduate University (PhD) Programme Biomedicine and Health Sciences at the University of Zagreb, School of Medicine in the process of re-assessment of the study programme after an international evaluation carried out in November 2016.

The reasons for establishing this PhD programme were based on the need to sustain and advance scientific work in the field of medicine and health care in the Republic of Croatia in order to improve and promote people’s health through renewal of human resources, primarily in academic, scientific and leading professional institutions (university and clinical hospitals, healthcare institutions and institutes), state administration (ministries, republic and county bureaus, agencies), and in the business sector, which requires complex task solving and decision-making using scientific methodology (in the pharmaceutical industry, biotech companies, etc.).

The PhD programme Biomedicine and Health Sciences at the University of Zagreb, School of Medicine is the first PhD programme in the Republic of Croatia, which has, since its foundation, been continuously developed and improved in accordance with Croatian higher education strategies, mission and Science Strategy of the School of Medicine and European standards (http://www.orpheus-med.org/images/stories/documents/ORPHEUS-AMSE-WFME-standards-for-PhD-education.pdf).

Historically, the first PhD thesis at the University of Zagreb, School of Medicine was defended in 1954. Thereafter, the number of PhD theses gradually increased, and in the mid-1970s the PhD thesis became a pre-requisite for scientific-teaching appointments. Only after the establishment of the PhD programme does the PhD thesis become the responsibility of not only mentors and PhD candidates but also universities. Since the mid-1990s, this idea has been gradually developed by the European University Association (EUA) and has become a public policy in 2003 when the Berlin Ministerial Communiqué consequently defined doctoral programmes as the third cycle of the Bologna process (http://www.ehea.info/cid100938/ministerial-conference-berlin-2003.html).

PhD programme Biomedicine and Health Sciences started initially as a master’s degree program called “Biomedicine” in the academic year 1997/1998, due to legal framework. From the academic year 1999./2000. the study programme changed its aim and the name to “Medical Science”, and started enrolling students with the explicit intention of continuing into the 3rd year of study and finishing with a doctoral dissertation, in line with the views of the European University Association (EUA) (link: https://eua-cde.org/downloads/publications/2005_eua_doctoral-programs-european-knowledge-society.pdf). By the amendment of the Law on Scientific Activity and Higher Education in 2003, a Master’s degree has been abolished, and the study programme is renamed for the third time in the PhD programme “Biomedicine and Health Sciences”. It was the first postgraduate programme in Croatia that followed the ideas of the Bologna process, introduced the European Credits Transfer System and followed the development of synergies between the European Higher Education Area and the European Research Area. In co-operation with the rectorate of the University of Zagreb, this study anticipated the direct demands of the 2003 Berlin Ministerial Conference and from the outset defined PhD programmes as the responsibility of the university and its faculties to provide students with knowledge, skills and competences for independent scientific work (i.e., neither as the introduction to research nor as its crowning achievement).

The School of Medicine has significantly contributed to the development and harmonization of PhD programmes in Europe and has clearly defined rules for initiating and approving PhD programmes in
accordance with international agreements. According to the documents adopted at the two ORPHEUS (Organisation for PhD Education in Biomedicine and Health Sciences in the European System) conferences held in Zagreb (The Declaration of the European Conference on Harmonisation of PhD Programmes in Medicine and Health Sciences in 2004 and Guidelines for Organization of PhD Programs in Biomedicine and Health Sciences in 2005) the first European standards were established that later developed into the Common Standards / Best Practices document by ORPHEUS, the European Association of Medical Schools (AMSE) and the World Medical Association (WFME). The School of Medicine hosted the annual AMSE 2009 Conference which produced the AMSE - Zagreb Declaration on the Role of the Medical School in Postgraduate Education. In summary, the School of Medicine was one of the leading forces in the development of the Bologna Process at the level of doctoral studies not only in Croatia, but also in Europe. As a result of this international initiative of the School, ORPHEUS was founded (the first president from 2006 to 2014 was Professor Zdravko Lacković, now its honorary member), and the headquarters of the organization are today at the School of Medicine in Zagreb. The School of Medicine has significantly contributed to the development and harmonization of PhD programmes in the Republic of Croatia. Immediately after the aforementioned European conferences in 2005 and 2006, in cooperation with the Croatian Academy of Sciences and Arts and its Department of Medical Sciences, meetings of all medical faculties in Croatia were organized precisely for the purpose of harmonizing PhD programmes in Croatia and the European Research Area.

A.2.1.1. Justifiability of starting the new doctoral study with regard to existence of similar doctoral studies at the University of Zagreb

This re-evaluation of the oldest PhD programme of the University of Zagreb and the Republic of Croatia is carried out following an international evaluation conducted in November 2016. At the University of Zagreb, this is the only and the most comprehensive study in biomedicine and health sciences that is providing organized education for research work in the field of expertise and science, including scientific fields of basic medical science, clinical medicine, public health and health care with relevant scientific branches to physicians and other professionals in the medical and health care system. Following the experience and practice of the leading European and world scientific medical institutions, the School of Medicine is focused on improving translational research and integration of basic, clinical and public health programs, which is in turn reflected in the organization of the PhD programme Biomedicine and Health Sciences. Thus, this PhD programme is clearly distinguished from other programs at the University and similar programs in the Republic of Croatia and the surrounding region. The possibility for such a direction of development of research and science at the School is further facilitated by cooperation with the University Hospital Centre Zagreb (UHC Zagreb) and other clinical and health institutions which are both teaching and research bases of the School of Medicine. All this places the School of Medicine and its PhD programme in a unique position to promote research in biomedicine and healthcare in Croatia. Strategic commitment to translational research was established through the founding of the Centre for Translation and Clinical Research of the School of Medicine and UHC Zagreb, the two branches of the School - the Croatian Institute for Brain Research (CIBR) in the field of neuroscience and the School of Public Health (SPH) "Andrija Štampar" in the field of public health, and two recently established Centres of Research Excellence (CoRE) - CoRE for Reproductive and Regenerative Medicine and CoRE for Basic, Clinical and Translational Neuroscience.

A.2.1.2. Usefulness of the proposed doctoral study with regard to needs of research activities in the public and private sectors, and possibilities of employment upon completion of the study program, including the opinion of 3 organizations related to the labour market (e.g. professional associations, employers and their associations, trade unions, public services) on the appropriateness of planned learning outcomes for the needs of the labour market
The PhD programme Biomedicine and Health Sciences educates scientists and researchers who, at the level of the study program as a whole, acquire specific competences and appropriate measurable learning outcomes in accordance with 8.2 of the Croatian Qualifications Framework (CQF). Students are trained to create, design, implement and adopt the processes of independent and original scientific research as well as the use of these skills and knowledge in solving complex scientific and research problems in the field of biomedicine and healthcare and in interdisciplinary areas. This is in full accordance with the proclaimed ambition of the European Union and the Republic of Croatia to attain the achievements of social and economic objectives by acquiring knowledge (exploration). In this concept of a knowledge-based society doctoral studies have a key role. Accordingly, its role to provide a sufficient number of scientists through doctoral studies is not only used to provide scientific and teaching staff for the needs and the renewal of academic and professional (health) potential, but also to provide a critical mass of scientists in the labour market for the needs of the economy, state administration and the like, which is in accordance with the principles of the Salzburg Declaration (http://www.aic.lv/ace/ace_disk/Bologna/Bolsemin/Salzburg/index.htm).

At a time when a growing number of young scientists and holders of PhD degrees are leaving the country and science and education funding is not following an upward trend, there is a continuing national need to provide financial, material and administrative-legal prerequisites for effective education and employment of the critical mass of doctoral degree holders.

The PhD programme Biomedicine and Health Sciences ensures that the number of holders of doctoral degrees (critical mass) is maintained. It also advances scientific work in the field of biomedicine and health care in the Republic of Croatia by educating holders of doctoral degrees employable in the academic and education sector, leading scientific and professional institutions (university and clinical hospitals, healthcare institutions and institutes), government administration (ministries, republic and county bureaus, agencies), and in the business sector, which requires complex task solving and decision-making using scientific methodology (in the pharmaceutical industry, biotech companies, etc.).

The Science Strategy of the School of Medicine particularly emphasizes the need to launch a human resources policy that will enable the recruitment of doctoral and postdoctoral students in basic (institutes), clinical (hospital) and public health scientific areas. In the context of re-evaluation of PhD programmes, the School of Medicine, as a scientific institution, advocates for the possibility of recruiting young scientists, encouraging their interest in research in Croatia, welcoming Croatian scientists to participate in the PhD programme and mentorship, as well as encouraging the return of Croatian scientists from abroad. The School of Medicine considers this to be its responsibility for the advancement of scientific work in biomedicine, which can enhance the position of science and universities in society and contribute to improving Croatia's competitiveness.

A.2.1.3. Usefulness of the proposed doctoral study with regard to the scientific, cultural, social and economic needs

The usefulness and usability of the PhD programme Biomedicine and Health Sciences with regard to scientific, cultural, social and economic needs is indisputable. First of all, PhD education is different from professional degree or higher degree education since the core activity of the PhD candidate is to carry out original research according to academic standards in order to create new knowledge, while developing research skills and acquiring knowledge. Institutions are increasingly viewing holders of PhD degrees as potential new researchers in academic and scientific environments, as well as researchers outside the academic community, as highly qualified "knowledge workers" that bring added value to the their employers. In this context, there is also increased sector mobility of PhD candidates and young degree
holders corresponding to their career prospects (academic community, industry, education, government, counselling, etc.).

Taking into account the social and economic influences, we live in a time of high technology that requires integration of science and technology with application in different spheres of society, including applied medicine. Conversely, modern medicine itself strongly influences the development of technology, and in turn initiates certain social and economic developments. Examples can be found in the experiences and cooperation of the School of Medicine in Zagreb with other University faculties, such as the development of 3D printer modelling technology, the development of robotic devices and devices for surgical applications, the development of new materials and bone healing techniques, the development of new diagnostic tests based on molecular analyses and bioinformatics, the development of smart medicines, the development of reproductive medicine, resulting in the development of new accompanying technologies (e.g., seed banks and egg cells), etc. The aforementioned technologies are integral parts of research projects at the School of Medicine and are included in this PhD programme.

A number of PhD degree holders will find their place in state institutions responsible for specific scientific and professional activities in biomedicine, health and science, especially in ministries, state agencies, departments and institutes. The activities of these highly educated professionals in their institutions can significantly influence the development of the profession and the implementation of specific measures with direct consequences on social and economic issues (e.g. financing of specific health or scientific programs, undertaking specific preventive public health measures, health care organizations, public health actions, etc.).

In addition to the public sector and state administration, PhD programmes have great potential for recruiting future biomedical and health care scientists in the private sector. This applies in particular to the medical industry in which PhD degree holders can play a key role in research institutes and management, in biotechnology companies and private contracting research companies, as well as in privately held biotech companies (e.g., pharmaceuticals or food production, etc.). So it follows that the proposed PhD programme has the purpose and real potential for realization of scientific, cultural, social and economic needs, including the private sector.

A.2.1.4. Foundation of the proposed study programme on competitive scientific or artistic research, and on new insights, knowledge and skills

In line with the recommendations of the European University Association (2007) (https://eua.eu/resources/publications/615:sa1zburg-ii-%E2%80%93-recommendations.html) and ORPHEUS (2011) (http://www.orpheus-med.org/images/stories/documents/ORPHEUS-AMSE-WFME-standards-for-PhD-education.pdf) and in accordance with the Strategy of Education, Science and Technology of the Ministry of Science, Education and Sports of the Republic of Croatia from 2014 (https://mzo.hr/en/strategy-education-science-and-technology) the PhD programme Biomedicine and Health Sciences follows and implements the scientific criteria met by the mentors and teachers of the PhD programme, defines the competences and skills to be adopted by the PhD candidate and the criteria to be fulfilled by the PhD thesis (original contribution to science), all with the aim of improving science as one of fundamental development priorities that can facilitate long-term social stability and economic progress. The programme approaches the European level of competence required for the development of a knowledge-based society at the highest level that allows the present development of science in the Republic of Croatia as a “small” scientific community.
The School of Medicine is recognized and held in high regard for its research achievements in the scientific area of the PhD programme “Biomedicine and Health Sciences”, which is reflected in the scientific work and achievements of teachers and mentors, scientific projects, established scientific centres and research cooperation. The School is particularly focused on improving translational research and integrating basic, clinical and public health programs, which puts the School of Medicine in a unique position in The Republic of Croatia to promote research in biomedicine and health.

More than 370 teachers (40% staff, 60% of title-elected teachers and external associates) take part in the programme. They have published a total of 5,005 papers (average 13/teacher) with a total of 39,575 citations (104/teacher) and with an average teacher h-index of 8.34 (staff 9.53). At the University of Zagreb, the School of Medicine is ranked first by number of published papers (48.6% of all, citation from the thematic issue of the journal mef.hr: Scientific Projects in Biomedicine and Health, July 2016, available at www.unizg.mef.hr ). According to the SCOPUS database, almost every fourth scientific article published by scientific institutions in the Republic of Croatia has been authored by the faculty of the School of Medicine in Zagreb. According to the SCOPUS database, 42% of the total scientific production in the Republic of Croatia belongs to the field of biomedicine (all fields). Of these, 48% of all biomedical articles have at least one author from the School of Medicine in Zagreb. In the so-called Leiden list of universities that have published more than 1000 articles in the Web of Science over the past 4 years, the University of Zagreb is ranked 419th out of 938 world universities, and the University of Zagreb School of Medicine is ranked 396 in the field of biomedicine and public health. Out of the approximately 400 scientific articles in the Web of Science database published annually by members of the School of Medicine in Zagreb, about 120 are in the first quartile (Q1), and more than 40 are published in journals with the highest scientific impact (M. Klarica. The role of the University of Zagreb School of Medicine in the development of education, health care, and science in Croatia. Croat Med J. 2018; 59: 185-188).

Majority of the scientific projects at the School of Medicine in the previous periods (2007-2014) were financed by national funding (Ministry of Science and Education of the Republic of Croatia). These are the 25 scientific programmes with a total of 87 projects and 74 individual projects, or a total of 161 projects. The faculty staff were the holders of 4 projects under the Unity Through Knowledge Fund programme, and during the period of the European Research and Innovation Funding Program (FP), the faculty members participated in 6 projects. Within the recent Horizon 2020 programme, the School participates with 4 approved projects. In recent years, the School has been successful in obtaining projects funded by the Croatian Science Foundation (CSF) with a total of 15 projects (in preparation for a dozen more) and a University Support Program (40 grants). In addition, there is a considerable number of other international projects (COST Actions, TEMPUS, EAHC), bilateral interstate projects, etc. Among them are DAAD (Deutcher Akademischer Austauschdienst), a bilateral programme for the exchange of participants in projects between the Republic of Croatia and the Federal Republic of Germany. Within the framework of bilateral cooperation, the School also cooperates with Italian and French scientific and research institutions. In the aforementioned article published in Croat Med J 2018, Table 2, the Dean of the School lists newer and more favourable data as of October 16, 2018. According to the Dean, there were 157 scientific projects at the School of Medicine in Zagreb, out of which six were Horizon 2020 projects (totalling € 21 million), 1 COST project, 4 DAAD projects, 29 CSF projects, one EXPANd project, two BICRO-HAMAG projects, one Adris project and 111 University support projects, not counting the two Centres of Research Excellence projects with HRK 74 million.

The School of Medicine is particularly proud to be the only institution in Croatia to have two appointed scientific Centres of Research Excellence (CoRE) - CoRE for Reproductive and Regenerative Medicine and CoRE for Basic, Clinical and Translational Neuroscience. There is also the Centre for Translational and
Clinical Research at the School of Medicine and the Clinical Hospital Centre Zagreb, established in 2009, which is of particular importance in the transfer of knowledge and technology. It is one of the few national faculties that promote the development of translational sciences. The Centre also has a Research and Technology Transfer Office supporting scientists in writing and implementing research projects and helping transfer knowledge and technology from research laboratories and clinical research to industry, enabling faster and more efficient transfer of results to end users - patients.

The School has its own quality research resources in terms of space, equipment, infrastructure and supporting services in accordance with the requirements of the scientific discipline from which the PhD programme is derived. The PhD programme is carried out at the premises of the School of Medicine, University of Zagreb, clinical and outpatient health institutions in Zagreb and scientific-research institutions (partners) with which the School has entered into a cooperation agreement. In addition to the facilities at the School of Medicine, other facilities are located at its research bases in the health system - two university hospital centres, six clinical hospitals, two health centres and two public health institutes. The School has cooperation agreements with the the Ruđer Bošković Institute, University of Zagreb Faculty of Science, University of Zagreb Faculty of Veterinary Medicine, University of Rijeka Faculty of Food Technology and Biotechnology, University of Split School of Medicine, and University Josip Juraj Strossmayer of Osijek Faculty of Medicine.

A.2.1.5. Innovativeness of the proposed study programme, that is, potential of the proposed study programme for creation of new and relevant knowledge or artistic practices

The postgraduate university (PhD) programme “Biomedicine and Health Sciences” educates scientists and researchers who, at the level of the study programme as a whole, must acquire specific competencies and corresponding measurable learning outcomes.

In this context, the PhD programme “Biomedicine and Health Sciences” is fully aligned with the School’s scientific mission and vision, the strategic programme of scientific research at the School, as well as with international standards in the field of PhD programmes (ORPHEUS/AMSE/WFME) (http://www.orpheus-med.org/images/stories/documents/ORPHEUS-AMSE-WFME-standards-for-PhD-education.pdf). The School’s mission in the field of science is to conduct collaborative, innovation-driven research programmes that connect scientists in the fields of basic, clinical and public health sciences, promoting interdisciplinarity and collaborativeness. The School of Medicine strives to create a stimulating intellectual environment, to promote scientific and humanitarian aspects of medical practice, while carrying out scientific research in the framework of international and national projects that result in the advancement of science, application in the teaching process and improvement of health care.

Research and development strategies of the School of Medicine are underpinned by the fundamental lines of performance pursued by the institution and involve the following:

- Culture promotion strategy and quality assurance system
- Study curricula quality strategy
- Student support strategy
- Research work quality development strategy
- IT/communication technologies development and application strategy
- National-scale collaboration development strategy
- International-scale collaboration development strategy
- Infrastructure, business and work organisation development strategy
These strategies are based on the School’s values themselves, which can be summarized as follows:

- competent teachers who are leaders in their scientific and professional areas in the Republic of Croatia and have national, regional and international reputation;
- previous references of the School of Medicine that guarantee a high level of quality in teaching, research and transfer of knowledge into practice;
- a high-quality infrastructural support of the realization of all activities of the School of Medicine.

**A.2.2. Analysis of the compatibility of the doctoral study with the Research Strategy of the University of Zagreb**

The proposed PhD programme is fully in line with the Research Strategy, Technology Transfer and Innovation of the University of Zagreb document [http://www.unizg.hr/fileadmin/rektorat/O_Sveucilistu/Dokumenti_javnost/Dokumenti/Strateski_dokumenti/Izvjesca/Izravivacka_strategija_verzija.pdf](http://www.unizg.hr/fileadmin/rektorat/O_Sveucilistu/Dokumenti_javnost/Dokumenti/Strateski_dokumenti/Izvjesca/Istrazivacka_strategija_verzija.pdf) in which one of the key goals is to improve doctoral education. This applies in particular to increasing the research productivity of young researchers, preparing PhD programmes for different careers after obtaining a PhD (basic medical sciences, clinical medical sciences, public health, industry, public sector) and appointment of young scientists to the University, i.e. the need to redefine the position of assistant professors. The system needs to be arranged to attract a number of international PhD candidates - junior researchers, which is carried out at the School of Medicine through the PhD programme in English.

In the above aspects, the PhD programme “Biomedicine and Health Sciences” is fully aligned with the mission, vision and strategic programme of scientific research of the School of Medicine and the University of Zagreb. The research mission of the School of Medicine consists of the implementation of research programs that are collaborative, focused on innovation and that bring together scientists in the fields of basic, clinical and public health sciences.

The immediate goals of the science strategy that fully correspond to the proclaimed goals of the University are the following:

- to develop and maintain a high level of research work that will enhance the research profile and international reputation of the School;
- to educate future generations of researchers in the field of medicine;
- to create synergies in the fields of science, medicine and technology;
- to facilitate the transition and translation of research findings into clinical and public health practice and collaboration with industry;
- to strengthen the culture of cooperation at national and international level;
- to establish a staff scientific policy;
- to strengthen the high level of research collaboration between biomedical science, clinical research departments and outpatient healthcare institutions;
- to encourage continuous monitoring of public health indicators and their application in the process of improving political decision-making on health and healthcare.

Measures to achieve the goals of the science development strategy at the School of Medicine emphasize the need to initiate a staff scientific policy that will enable the recruitment of young scientists (PhD and postdoctoral students) in basic, clinical and public health fields. In the context of the re-accreditation of
the PhD programme, the School of Medicine, as the responsible scientific institution, advocates the employment of young scientists, stimulating their interest in research and work in Croatia, and encouraging the return of Croatian scientists from abroad. The School considers this its responsibility for the advancement of scientific work in biomedicine, which can influence the better position of science and universities in society and contribute to improving Croatia’s competitiveness.

A.2.3. Prior experiences of the programme proposer in implementation of doctoral studies

The University of Zagreb School of Medicine is one of the oldest medical schools in this part of Europe, and was the first to establish and carry out postgraduate programmes in accordance to the changing laws and regulations. The first postgraduate programme was introduced in 1947/1948 in public health, with occupational medicine starting in 1949/1950. In short, the School of Medicine has over 70 years of experience in organizing and implementing postgraduate programmes.

Preparations for the establishment of the PhD programme began in a working group led by Prof. Zdravko Lacković in 1996. The programme started in the academic year 1997/1998, due to legal restrictions, first as a master-of-science degree programme called “Biomedicine”. From 1999/2000, the programme was called “Medical Sciences”, but was organized with the explicit intention that the continuation (the third year of study) should end with a PhD. With the change of the Act on Scientific Activity and Higher Education in 2003 and the Bologna process, the Master’s Degree was abolished, and for the third time the study changed its name to the PhD programme “Biomedicine and Health Sciences”. As already mentioned, it was the first postgraduate programme in the Republic of Croatia implementing the ideas of the Bologna Process and introducing the European Credits Transfer System, and it followed the development of synergy between the European Higher Education Area and the European Research Area. In cooperation with the Rectorate of the University of Zagreb, from its outset this programme anticipated the direct requests of the Ministerial Conference in Berlin in 2003 and prescribed that PhD programme, as the responsibility of the School of Medicine, should provide students with knowledge, skills and competences for independent scientific work. The University of Zagreb School of Medicine is a European leader in the implementation of the Bologna Process at the PhD level. As a result of this international initiative, ORPHEUS was founded (the first president from 2006 to 2014 was Prof. Zdravko Lacković, today its honorary member), and the headquarters of the organization were at the School of Medicine in Zagreb. As a result, the PhD programme Biomedicine and Health Sciences became widely known in Europe, bringing the School closer to the European level of competence required for the development of a knowledge-based society at the highest level, spurring and facilitating the current development of science in the Republic of Croatia.

The School has significantly contributed to the development and harmonization of PhD programmes in Croatia. Immediately after the ORPHEUS European conferences in 2005 and 2006, in cooperation with the Department of Medical Sciences of the Croatian Academy of Sciences and Arts (HAZU), meetings of all medical schools in Croatia were held with the aim to harmonize PhD programmes in Croatia and the European Research Area.

During the last years, several international and external evaluation processes have been carried out at the School, which, among other things, have included the evaluation of the PhD programme “Biomedicine and Health Sciences”:

- The Peer Mission of the European Commission visited the School in 2007 as part of the negotiations for the accession of the Republic of Croatia to the European Union, and in 2012 as part of the monitoring before accession;
- The National Council for Higher Education initiated the School's external evaluation process at the end of 2008 and, on the basis of the Final Report, the Faculty received a work permit in early 2009;

- by the decision of the Agency for Science and Higher Education (ASHE) from 2011, the School of Medicine was selected as one of the three faculties of the University of Zagreb, where an internal and external evaluation of the quality assurance system was carried out according to the ESG guidelines. Based on the final report, in 2013 the Faculty was awarded the ASHE certificate for an efficient, developed and functionally organized quality assurance system;

- The re-accreditation process of the School of Medicine was carried out in 2015. The Final Report states: “Each study programme is defined in accordance with clearly defined learning outcomes and international standards. The institution of higher education has put in place mechanisms to approve, monitor and improve its programmes and qualifications”;

- in addition to the aforementioned processes of international and national quality evaluation of the School of Medicine as a whole, 2013/2014. The PhD Programme Committee of the University of Zagreb conducted the evaluation process for the PhD programme “Biomedicine and Health Sciences”. The International Commission has given the opinion that the PhD programme “Biomedicine and Health Sciences” is eligible for continuation of the programme at the University of Zagreb, but some improvements have been proposed;

- the process of re-accreditation of the PhD programme “Biomedicine and Health Sciences”, conducted by the Agency for Health and Safety in 2016. The International Commission identified examples of good practice in the study, but also made recommendations for improving the quality of study.

A.2.4. INTERNATIONAL RECOGNISABILITY OF THE PROPOSER OF THE DOCTORAL STUDY IN SCIENTIFIC OR ARTISTIC RESEARCH, OR ARTISTIC CREATION

The University of Zagreb School of Medicine is an internationally recognized faculty on several grounds. In particular, two basic points should be emphasized - the School as a driving force for the development of PhD programmes in the Republic of Croatia and a frontrunner of harmonization of PhD programmes in Europe, and the School as a place of quality scientific research activity, which is ultimately manifested by international projects and the number of scientific papers and publications.

The School has contributed significantly to the development and harmonization of PhD programmes in Europe and has clearly established rules for establishing and approving PhD programmes in accordance with international agreements. According to documents adopted at two ORPHEUS conferences held in Zagreb, the first European standards were established, which later evolved into common standards (Standards/Best Practices) by ORPHEUS, the Association of Medical Schools of Europe (AMSE) and the World Federation for Medical Education (WFME). The School hosted the 2009 annual AMSE conference at which the AMSE - Zagreb Declaration on the Role of the Medical School in Postgraduate Education was adopted. In short, the School has been the leader in the development of the Bologna process at the PhD level in the European context. As previously already stated, the School was a major force in the establishment of ORPHEUS. Today, ORPHEUS is a large European association with 105 institutional members (faculties / universities) from Europe, several medical colleges from Canada, India, Australia and the United States and four associate members: the British Pharmacological Society, The Federation of European Pharmacologists, EMTRAIN Project and Federation of American Societies for Experimental Biology (FASEB). It is the largest PhD programme association in Europe working to promote and link PhD programmes in biomedical and health research. It also implements the ORPHEUS Evaluation Certificate
and Labelling whose purpose is to assist institutions to reflect on their doctoral training programmes, by providing them with a comprehensive and flexible procedure to assist this process of self-reflection.

In terms of research recognition, the School is strategically focused on improving translational research and integrating basic, clinical and public health programmes. The University Hospital Centre Zagreb and other health care institutions are not only teaching but also research bases of the School of Medicine, which puts the School in a unique position to promote research in biomedicine and health in Croatia.

According to the number of published papers by the University of Zagreb, the School of Medicine is in the first place by the number of published papers (48.6%) (mef.hr: Scientific projects in biomedicine and health, July 2016, available at www.mef.unizg.hr). Regarding international projects and cooperation, the Faculty's teachers were holders of 4 UKF projects, 5 FP6 projects and 6 FP7 European research and innovation funding programmes, and 4 Horizon 2020 projects. In addition, there is a significant number of other international projects (IPA, COST Actions, TEMPUS, EAHc, Michael J. Fox) and bilateral / interstate projects. Among them are the DAAD (Deutcher Akademischer Austauschdienst), a bilateral program for the exchange of participants in projects between the Republic of Croatia and the Federal Republic of Germany. Within the framework of bilateral cooperation, the Faculty also cooperates with Italian and French scientific and research institutions.

The School has numerous international bilateral cooperation agreements with the faculties of renowned world universities, including the American (University of California/San Francisco, Medical College of Wisconsin/Milwaukee, Penn State University, Pennsylvania, University of Georgia College of Public Health, The State University of New Jersey/The Rutgers University, Vanderbilt University/Tennessee, University of Northern Colorado, University of Michigan Medical School, McGill / Montreal, etc.) and several European medical school (Ljubljana, Graz, Moscow, Hamburg, Pécs, Rennes, etc.).

The School is also actively involved in a number of European associations for the promotion of higher education in biomedicine: the Association of Medical Schools of Europe (AMSE), the International Association for Medical Education (AMEE), The European Training Consortium in Public Health & Health Promotion, the Association of Schools of Public Health in the European Region (ASPHER), European Public Health Association (EUPHA), Forum for Public Health in South-East Europe, Organization for PhD Education for Biomedicine & Health in European System (ORPHEUS) and European University Association (EUA).

A.2.5. COMPARABILITY WITH SIMILAR DOCTORAL PROGRAMMES OF HIGHLY RANKED FOREIGN UNIVERSITIES

Various PhD programmes are carried out at European medical schools, a number of which are comparable to this proposed PhD programme, primarily in concept with respect to the scientific and educational components of the study programme. In this context, it should be emphasised once again that the PhD programme at the Zagreb School of Medicine hosted two European conferences on the harmonization of doctoral studies in the field of biomedicine, held in 2004 and 2005. Important documents adopted at these conferences are the so-called Zagreb Declaration, which defines PhD programmes, and the “Zagreb Recommendations on the Organization of Doctoral Studies”. The ORPHEUS - Organisation for PhD Education in Biomedicine and Health Sciences in the European System was founded at the Second Conference, headed by Professor Zdravko Lacković. In 2012, the association published a strategic document entitled “Standards for PhD Education in Biomedical and Health Sciences in Europe - A Proposal from ORPHEUS - AMSE – WFME”. This document proposes a set of standards for PhD programmes and PhD degrees in biomedicine and health sciences. The PhD programme “Biomedicine and Health Sciences” follows the standards set out in that document regarding the structure of the institutions of higher education and the research environment, study outcomes, eligibility criteria, curriculum, mentoring, PhD
thesis proposals, and the evaluation and defence of PhD theses. The definition of a PhD thesis standard is in most cases the assurance of quality PhD education that is internationally accepted.

All this shows the comparability with the programmes of reputable foreign higher education institutions, especially those from the EU, and furthermore that the PhD programme of the School of Medicine at the University of Zagreb has played and still has one of the leading roles in these processes of harmonization in Europe.

A.2.6 REQUIREMENTS FOR ADMISSION TO THE STUDY PROGRAMME

Enrolment quotas are determined on the basis of availability of research, teaching and mentorship capacities. Enrolment quotas are determined by the Council for Postgraduate Programmes based on the proposal of the PhD Programme Coordination Committee. Enrolment in a PhD programme is done on the basis of a public call for applications published in the daily press and on the School’s website. The public call for applications to the PhD programme is announced at least one month prior to the start of the courses. Enrolment conditions and selection procedures for students are harmonized with the Zagreb Recommendations of the Second European Conference on the Harmonization of PhD Programmes in Biomedicine and Health Sciences.

The conditions for application are:

- a completed relevant university graduate or university integrated undergraduate and graduate programme in the scientific field of Biomedicine and Health Sciences and related field. Exceptionally, with the explanation and the request, applicants with a completed university graduate programme in other fields of natural, and in the case of public health social sciences, may be admitted;
- a grade point average of at least 3.51 (in the grading system 5-10 or AF grade point average of at least 8.00);
- candidates who have completed integrated undergraduate and graduate programme or graduate programme abroad must undergo a process of academic recognition of a foreign degree of higher education before enrolment (http://www.unizg.hr/homepage/study-at-the-university-of-zagreb/academic-recognition-of-foreign-higher-education-qualifications/)
- a letter of recommendation by potential mentor/s, and a research topic proposal
- additional documentation must be submitted with the application (copies of papers and congress summaries, certificates of indexation of papers and congress review, participation in projects);
- a certificate of proficiency in English language (issued by a foreign language school, or other institutions of higher learning) or Croatian language (for candidates whose native language is not Croatian) must also be enclosed;
- candidates who have completed their undergraduate study abroad are required to submit a decision on academic recognition of a foreign degree of higher education prior to enrolment.

A.2.7 DESCRIPTION OF THE SELECTION OF APPLICANTS WITH A SPECIAL EMPHASIS ON DESCRIPTION OF ADMISSION REQUIREMENTS CRITERIA AND TRANSPARENCY OF THE APPLICANT SELECTION PROCEDURE

Candidates are eligible for admission to the programme:

- if they have been ranked among the top fifty candidates determined by the total number of points based on the grade point average in undergraduate and graduate study, professional and
scientific activity (number and type of published papers, participation in congresses and meetings, participation in projects), as well as on the basis of candidate employment contracts in the system of scientific recruits; and

- if they have successfully passed a structured interview with the PhD Programme Coordination Committee.

The table lists the points by individual criteria used when applying for enrolment and ranking candidates in the academic year 2018/2019.

<table>
<thead>
<tr>
<th>Grade point average in the undergraduate study</th>
<th>2 points for each decimal point between 3.5 – 4.0; 3 points for each decimal point above 4.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate thesis</td>
<td>1 point for defended research graduate thesis</td>
</tr>
<tr>
<td>English language certificate</td>
<td>B1-B2 level 5 points</td>
</tr>
<tr>
<td></td>
<td>C1-C2 level 20 points</td>
</tr>
<tr>
<td>Professional and scientific activity:</td>
<td></td>
</tr>
<tr>
<td>Articles indexed in CC (enclose: list of publications, copies of publications and evidence that the journal is indexed)</td>
<td>first author 40 points, co-author 30 points per paper</td>
</tr>
<tr>
<td>Articles indexed in other international indices (enclose: list of publications, copies of publications and evidence that the journal is indexed)</td>
<td>first author 20 points, co-author 15 points per paper</td>
</tr>
<tr>
<td>Active participation in international scientific conferences (points awarded for active participation per conference – oral or poster presentation with published abstract; enclose: list of abstracts, copies of abstracts and covers of conference proceedings, i.e. conference programmes which indicate that the conference has been organised by an international or European association (institution) or by at least three countries; if there were multiple presentations at the same conference, please submit only one, the most favourable for the candidate)</td>
<td>2 points per conference or active participation as first author, 1 point as co-author; points are awarded per conference, not per abstract</td>
</tr>
<tr>
<td>Active participation in domestic scientific conferences (points awarded for active participation per conference –oral or poster presentation with published abstract; enclose: list of abstracts, copies of abstracts and covers of conference proceedings; if there were multiple presentations at the same conference, please submit only one, the most favourable for the candidate)</td>
<td>1 point per conference or active participation as first author, 0.5 points as co-author; points are awarded per conference, not per abstract</td>
</tr>
<tr>
<td>Active participation in a project (enclose: signed contract on employment at the project, signed statement of the leader of the project that the candidate is engaged at the project)</td>
<td>for Croatian Science Foundation and EU Horizon 2020 projects 50 points; for other peer-reviewed</td>
</tr>
</tbody>
</table>


The selection of candidates for PhD programme is carried out by a PhD Programme Application Committee consisting of Vice-Dean for Postgraduate Programmes and Director, Deputy Director and Assistant Directors of the PhD Programme. PhD Programme Application Committee awards points to the candidates in accordance with the prescribed criteria (Table). The interview is a structured and mandatory part of the application procedure. There are three basic elements to consider during the interview: a) the research topic proposal and its feasibility with respect to the candidate’s circumstances of employment, and the duration of the study (where the research will be conducted, sample assessment / research subjects, materials and methods, hypothesis and aims of research, funding, expected realization, possible difficulties in the realization of the research), b) proposed mentor (competences in relation to the proposed research and in general, previous cooperation with the candidate, expectations, etc.) and c) knowledge and command of the English language. The main goal is to examine and determine the likelihood of the proposed research being completed during the PhD programme.

The Faculty Council makes the decision on the acceptance and enrolment of candidates, which is publicly announced on the School's notice board and website. The decision on acceptance and enrolment of candidates is considered a first instance decision. Candidates whose application for enrolment is not accepted may submit their appeal to the Dean within 15 days from the date of announcement of the decision on the School’s notice board and website. The Dean's decision on the appeal is final.

A.2.8. DESCRIPTION OF THE INSTITUTIONAL MANAGEMENT OF THE STUDY

PhD Programme Coordination Committee

PhD Programme Coordination Committee consists of a PhD programme director, his/her deputy and one or more assistants from the ranks of teaching staff with scientific-teaching titles who actively participate in the organisation of the curriculum. The PhD programme director is appointed for a period of three years, and the same person may be re-appointed as a PhD programme director. Programme director, deputy director and director assistants are appointed by the Faculty Council based on the recommendation of the Council for Postgraduate Programmes. PhD programme director organizes the PhD programme and is responsible for the implementation of the curriculum, proposes a plan for implementation of the curriculum, convenes and chairs the meetings of the course leaders of the PhD programme, proposes amendments to the curriculum, and submits annual reports on the courses held at the PhD programme to the Council for Postgraduate Programmes and the Faculty Council.

Governing bodies responsible for conducting PhD programmes at the School

1) The Faculty Council, which appoints the PhD programme directors and their deputies; the chairpersons and the members of the boards conducting the PhD programmes; the President and the members of the
Ethics Committee and its working groups; committees for the evaluation of the PhD thesis proposal and for the evaluation and defence of the PhD thesis; mentor and co-mentor of a PhD candidate;

2) The Council for Postgraduate Programmes, which performs the function of the Postgraduate University Study Programmes Council, ensures the equal quality of the teaching plans and curricula of PhD programmes, proposes directors of postgraduate programmes as well as course leaders and in cooperation with boards and committees prepares standards and procedures for the evaluation of postgraduate programmes, evaluates student activities during the PhD programme, determines the ECTS workload of programme contents according to their curricula.

3) The Board for Evaluation of Postgraduate Programmes is a permanent expert committee of the Council for Postgraduate Programmes in charge of coordinating activities and harmonizing standards in designing curricula and evaluation of postgraduate programmes.

4) The Board for Evaluation of Scientific Activity of PhD Candidates is a permanent committee of the Council for Postgraduate Programmes in charge of coordinating activities and harmonizing standards in the process of evaluating the scientific activity of PhD candidates and mentors. The Board evaluates whether the conditions for the public defence of the PhD thesis have been fulfilled, in accordance to the Regulations on PhD Programmes.

5) The Board for PhD Theses and Scientific Degrees harmonizes the criteria and coordinates the activities in the process of attaining the academic degree of doctor of science from the moment of the registration of the PhD thesis proposal up to the public defence of the completed PhD thesis and the graduation ceremony. The Board, in cooperation with the Ethics Committee of the School, carries out the entire procedure of application, evaluation and defence of PhD thesis, and proposes to the Faculty Council the appointment of appropriate committees and the appointment of a mentor and co-mentor of the PhD thesis.

6) The Ethics Committee of the School of Medicine (including the Working Group for Biomedical Research and the Board for Animal Well-being), together with the Board for PhD Theses and Scientific Degrees, participates in the process of academic review, public discussion and the final evaluation of the PhD thesis proposal, using the prescribed combined forms.

The mentor and co-mentor cannot be members of the committees for the evaluation and public discussion of the PhD thesis proposal, nor for the evaluation and defence of the completed PhD thesis. In the procedure of attaining the academic degree of Doctor of Science, the members of the expert committees may not be persons who are related to the PhD candidate (by blood or other close relationship, e.g. parents, grandparents, siblings, spouse) nor persons who share common financial and other material interests with the PhD candidate (e.g. co-authorship or co-ownership of a patent).
A.3. CURRICULUM OF THE DOCTORAL STUDY

A.3.1. DESCRIPTION OF THE STRUCTURE OF THE PROGRAMME OF THE DOCTORAL STUDY

The programme consists of methodological courses (learning research procedures and methods), field-related (elective) courses for the application of scientific-research competences in particular medical fields, and a so-called third-credit group which represents measurable scientific contribution of PhD candidates during their studies. In addition, PhD Day is organised with the aim of improving public awareness of the PhD programmes, facilitating and encouraging the exchange of experience in PhD and mentor research and insight into the quality of PhD candidates’ work for everyone involved. The PhD Day includes a one-day public presentation of the ongoing research and preliminary results in the PhD theses of all PhD candidates of the 2nd and 3rd year of the PhD programme. Research progress is presented in the form of poster presentation and abstract in a specially printed publication, while several best abstracts are also selected for oral presentation. Participation in PhD Day awards 4 ECTS credits to each candidate and is considered an integral part of the PhD work-load.

The PhD programme can be attended either full-time or part-time.

Full-time programme is completely research oriented and generally lasts for three years. It can be extended up to a total of five years for justified reasons. After this five-year term, the PhD candidate loses the right to obtain an academic degree of Doctor of Science in that programme. The specified period of five years does not include the temporary suspension of studies for justified reasons.

Part-time programme is intended for candidates who, in addition to their PhD obligations, perform other professional duties during their employment (e.g. clinical work or public health, etc.), and often teaching. Part-time programme is organized to facilitate this as much as possible.

Part-time programme lasts for up to five years. It can be extended up to a total of eight years for justified reasons. After this eight-year term, the PhD candidate loses the right to obtain an academic degree of Doctor of Science in that programme. The specified period of eight years does not include the temporary suspension of studies for justified reasons.

The principal scheme of programme activities and the appertaining student credits is as follows:

First year: methodological courses (12 ECTS), submission of PhD thesis proposal and research work with mentor(s) (28 ECTS), scientific activity (publications, attending conferences, meetings, lectures, etc.) (20 ECTS);

Second year: methodological courses and field-related courses (12 ECTS), PhD Day (4 ECTS), public discussion of the PhD thesis proposal and its acceptance by the Faculty Council, research work with mentor(s) (24 ECTS), scientific activity (publications, attending conferences, meetings, lectures, etc.) (20 ECTS);

Third year: methodological and field-related courses (12 ECTS), PhD Day (4 ECTS), research work with mentor(s), writing and successfully defending the PhD thesis (24 ECTS), scientific activity (publications, attending conferences, meetings, lectures, etc.) (20 ECTS).

A.3.1.1. Methodological courses
Methodological courses are offered during all three years of study with emphasis on the first year. The aim of these courses is to familiarize students with the basics of scientific work as a whole, and the procedures and methods in particular research areas. Although students may not fully learn numerous and very different research methods and procedures by attending these courses, an important goal is to gain knowledge of techniques (e.g. biochemical, molecular or in vitro procedures), some of which will be used as groundwork of their PhD thesis. An additional goal of these subjects is to free students, especially clinicians, from the frequent fear of laboratory methods and procedures and to show them that they would be able to master it. Methodological courses should not consist of more than 30% of lectures on theory, while at least 70% of teaching must be focused on presentation of the methods and practical work. The lesser portion of conventional teaching is compensated by the recommended and compulsory literature. Each of these courses is accompanied by a corresponding reference book prepared by the teachers of the course in question. The courses are, as a rule, organized as integrated and include both preclinical and clinical (or public health) methods of tackling particular problems, since, when it comes to scientific methodology, the boundaries between these areas are narrowing.

A.3.1.2. Field-related courses

The field-related courses aim to introduce scientific knowledge and problems in certain narrower areas of research in the field of biomedicine and health sciences. In addition to extending knowledge, such courses enable students to understand and follow the latest scientific literature on a particular area of research. Field-related courses are offered in all years of the programme, but predominantly after the PhD thesis proposal had already been submitted.

Proposals of new field-oriented courses are accepted and considered at all times and all teachers of the School of Medicine, University of Zagreb are invited to apply with courses in the area of their research. All experts from Croatia or abroad who meet the legal requirements are also welcome to apply. All course proposals are subject to double anonymous scientific peer-review prior to acceptance.

A.3.1.3. Scientific activity

The completion of the organized programme and the one of the conditions for submitting a PhD thesis for assessment is considered to be the day when the PhD candidate fulfilled the requirements of the so-called third-credit group, i.e. his/her scientific activities. The PhD student's scientific activity is valued at 20 ECTS per year (60 ECTS credits in total), and scoring elements include published scientific papers stemming from their PhD research and other papers in the field of research, participation in scientific conferences (abstracts), number of citations, invited lectures on the topic of the PhD thesis and received awards in the field of research. An additional requirement is that the PhD student is the co-author with the mentor or co-mentor of the PhD thesis of a paper that is published (or has been accepted for publication) and that is related to the PhD thesis, that he/she is one of the main authors, and that the paper is published in a peer-reviewed scientific journal in the Web of Science (Core Collection) database.

A.3.2. DESCRIPTION OF THE MANNER OF TRAINING DOCTORAL STUDENTS FOR ACQUISITION OF SCIENTIFIC OR ARTISTIC KNOWLEDGE, EXPERIENCES AND SKILLS THAT WILL ENABLE THEM TO SOLVE COMPLEX SOCIAL AND ECONOMIC PROBLEMS CREATIVELY AND ON THE BASIS OF RESEARCH

The PhD programme aims to enable students to independently conduct original and scientifically relevant research and to critically evaluate the research of others after completing the programme and successfully defending their PhD thesis. Additionally, given the fact that in today's environment, healthcare and biomedical practitioners need to be capable of lifelong learning, the additional goal of the
PhD programme is to further candidates’ critical thinking and creative problem solving. The achievement of these goals encourages the use of problem-based learning as part of teaching. These principles include not only the need to dissect a particular problem, but also the acquisition of new knowledge and its practical application in achieving the final results of the research. The aforementioned principles are used in a number of mostly methodological courses carried out as part of the PhD programme, for example in subjects “Structure, methodology and functioning of scientific work 1”, “Structure, methodology and functioning of scientific work 2”, “Structure, methodology and functioning of scientific work 3: research projects”, “Medical statistics 2.1: statistical tools for medical data analysis in planned experimental study design”, “Medical statistics 2.2: statistical tools for medical data analysis in quasi-experimental study design”, “Medical statistics 2.3: statistical tools for medical data analysis in observational study design with large samples”, “Medical statistics 2.4: statistical tools for medical data analysis in observational study design with small samples”, “Genomic approaches in biomedical and translational research”, “Proteomics in biomedical research”, “Medical informatics methods”, and others.

A.3.3. DESCRIPTION OF THE PROGRAMME POTENTIAL FOR TRAINING DOCTORAL STUDENTS FOR AN INDEPENDENT, RESEARCH-BASED AND INTERDISCIPLINARY APPROACH TO PROBLEMS, FOR INDEPENDENT RESEARCH AND FOR CRITICAL EVALUATION OF THE WORK OF OTHERS

According to the “Zagreb Declaration”, upon completion of the programme, a Doctor of Science has full competences for continuing scientific research work: knowledge of methodology in the field of biomedical and health sciences, is able to write a research proposal, write and publish a paper in a journal indexed on world bases (Web of Science, Scopus, Medline), is able to present, report and defend research findings in the scientific community and to critically evaluate the scientific work of others. They are eligible for postdoctoral training or employment in any of the institutions collaborating in this PhD programme, at other universities in Croatia as well as in collaborative laboratories in the world, in the public sector, in healthcare, research institutions and scientific-educational institutions.

The Postgraduate University (PhD) Programme Biomedicine and Health Sciences is aimed at acquiring new knowledge and skills that enable independent scientific and research work. This applies in particular to the adoption of new methodologies, from molecular, biological and biochemical methods to genomics and proteomics and other research approaches. In addition, through seminars, practical work and journal clubs, discussion of certain aspects of the research is encouraged, and the possible shortcomings of the published research are critically discussed. Within individual courses, such as “Genomic approaches in biomedical and translational research”, candidates are encouraged to develop research proposals that contain elements of the methodology presented within the course, and at the end of the course, presentations of research proposals are shared and discussed by all participants. This encourages the development of critical thinking, how to conduct a constructive debate about the results of scientific research, but also how to defend the conclusions drawn from the research results.

Methodological course “Structure, methodology and functioning of scientific work 3: research projects” is especially important for encouraging independent scientific work of students, since within this course students acquire the knowledge and skills necessary for the preparation and application of scientific projects. Since securing financial resources for conducting research is crucial for independent scientific work, the mentioned subject is central for further independent work of PhD candidates. They are introduced to a variety of research funding instruments as well as educational scholarships to facilitate postdoctoral training. The course also contains a practical part during which candidates have to prepare
their own project proposals according to the exact requirements, which specifically prepares them for the requirements of future independent scientific activity.

Another important aspect of PhD programme is that it is interdisciplinary, manifested through various forms of cooperation between PhD candidates and experts of different profiles. For example, many PhD candidates in the programme are clinicians who use specific laboratory, imaging and other methods in their research, which contributes to gaining new insights and creating new knowledge. The requirement for successful cooperation is knowledge and understanding of both areas, whereby the PhD candidate acquires new competences and skills. Another example is dual mentoring, where two experts from different fields jointly pursue PhD research, which is increasingly needed in the dynamic field of biomedicine today.

A.3.4. Description of the programme potential for acquisition of work competences, including list of courses for development of generic and transfer skills

A.3.4.1. Learning outcomes at the programme level

The Biomedicine and Health Sciences PhD programme educates scientists / researchers who, at the level of the PhD programme as a whole, must acquire the following specific competencies and their corresponding, measurable learning outcomes in accordance with 8.2 of the Croatian Qualifications Framework (CROQF):

Competence 1. The individual will be able to devise, design, apply and adopt a process of independent, original scientific research.

The measurable learning outcomes related to this competence are as follows: to create new knowledge (entirely new, complement existing, refute existing) by their own distinctive contribution to research through PhD research, create new methods, invent new approaches, instruments or materials that will move the known boundaries in the field of PhD research.

Competence 2. The individual will be able to systematically understand relevant scientific facts, monitor and understand the latest knowledge in the field of PhD research, systematically develop and adopt state-of-the-art methodology and skills in the scientific field of PhD research, and use the acquired knowledge and skills to solve complex scientific research problems.

The measurable learning outcomes related to this competence are the following: to use advanced, highly specialized knowledge and skills independently so that they can develop their own new ideas, theories, facts and procedures in a field of scientific interest.

Competence 3. The individual will be able to assume professional, ethical and social responsibilities independently, professionally and with academic integrity when planning and conducting scientific research, but also upon completion of the research, which includes taking responsibility for the scientific success and social benefit of the PhD research results.

The measurable learning outcomes related to this competence are as follows: to develop a personal, professional and ethical authority at a level that meets all the requirements required to publish research results in scientific publications with international peer review in the field of PhD research.

Competence 4. The individual will be able to communicate in a socially acceptable manner with individuals and groups of different attitudes and opinions, both within the scientific and academic community and within their own profession and beyond.

The measurable learning outcomes related to this competence are as follows: to build their own acceptable and effective forms and methods of interpersonal communication with individuals and groups
of researchers in the process of collaboration on planning and conducting PhD research, PhD thesis and PhD thesis defence, and peer review publication of scientific papers related to PhD thesis.

A.3.4.2. Learning outcomes at the level of methodological courses

The aim of this group of courses is to introduce PhD candidates to the basics of advanced-level scientific work, but also to procedures and methods in particular research areas.

The learning outcomes of the methodological group of courses as a whole, consistent with the 8.2 CROQF level, are as follows:

- independently present advanced knowledge (facts, theories) that underpins modern scientific methodology (biochemical, morphological, molecular - biological, physiological, immunological, microbiological, neuroscientific, psychological and behavioural, pharmacological, organ system imaging, diagnostic and laboratory, pathophysiological, epidemiological, statistical, etc.) and that will be used in PhD research;
- independently present methodological skills and procedures necessary for planning, selecting, performing (collecting and processing data), standardizing and optimizing the scientific method pertaining to PhD research;
- independently or in a team critically evaluate the results published in a presented scientific article, especially in the light of controlling the trial conditions and the multiple factors affecting the research results before and during the experiment.

Examples of learning outcomes for several methodological courses are as follows:

**Biochemical methods in biomedical research:** Select the latest laboratory analytical methods and judge the biological variability of the sample. Make conclusions on the impact of pre-analytical procedures on the results of specific laboratory analyses. Make conclusions on the possibility of measuring specific analytics in low concentration ranges.

**Gene targeting in mammals:** Present advanced knowledge of human disease modelling in mice with genetic techniques, including gene knockout gene disabling procedures. Recognize the application of a particular model with a genetically engineered mouse in their own research.

**Statistical analysis of medical data 1:** Use statistical software (SAS, JMP, Statistica, R). Perform preparation, input and screening of data for statistical analysis on their own. Assess the strength of the test and sample size independently. Perform descriptive statistics procedures independently. Independently test a hypothesis using parametric and non-parametric methods of statistical testing of hypotheses. Independently perform basic statistical and analytical procedures for qualitative data. Independently perform basic statistical modelling procedures by regression (logistic regression, linear regression, Cox regression). Independently present, interpret and generalize statistical results. Journal Club: Critically evaluate the appropriateness of the statistical procedures applied in selected publications.

**Epidemiologic methods in research:** Plan to conduct epidemiological research. Hypothesize epidemiological research. Calculate and explain frequency and connectivity measures. Make conclusions on possible errors of epidemiological and clinical research (accidental, systematic error; major types of confounding, selection, lead-time, drop-out, etc.). Assess the impact of applied health interventions or health technology on treatment outcomes. Make conclusions on reliability, effectiveness of tests or diagnostic methods. Detect an epidemic based on epidemiological analyses or sudden grouping of events. Make a proposal to address ethical issues specific to epidemiology (research approval, notification, consent, data protection and treatment of newly diagnosed patients).
A.3.4.3. Learning outcomes at the level of field-related courses

Field-related courses aim to introduce students to specific problems and provide the knowledge needed for research in particular narrower branches of biomedicine and health sciences. By incorporating advanced knowledge, extended beyond the graduate and postgraduate specialist level of learning, such courses must enable the student to follow with understanding the latest scientific literature in their field of research. Therefore, critical judgment about selected scientific papers (the Journal Club) is an essential part of field-related courses.

Examples of learning outcomes for several field-related courses in the clinical, preclinical, and public health subjects are as follows:

**Experimental oncology: malignant diseases as persistent oxidative stress:** Present the latest knowledge on the pathophysiology of oxidative stress and its importance in oncology. Evaluate the purpose and application of specific biochemical methods for the determination of markers of oxidative stress and lipid peroxidation in tumours. Discuss scientific and practical aspects of complementary forms of oncology therapy based on scientific approach. Independently judge a selected scientific article in the subject area (Journal Club).

**Pharmacogenomics:** Present advanced knowledge in the field. Assess the importance of certain pharmacogenetic analyses. Interpret genotyping findings and apply them to create algorithms and select the optimal drug and dose for the individual patient.

**Proteomics in biomedical research:** Present advanced knowledge of the fundamentals of mass spectrometer and other tools in proteomic research. Know the capabilities, advantages and limitations of proteomic methods in specific research questions.

**Disorders of adrenal gland:** Present advanced knowledge of diagnostic treatment of patients with adrenal tumours, diagnosis and treatment of congenital adrenal hyperplasia, hormone replacement therapy for patients with adrenal insufficiency, options for surgical and pharmaceutical treatments of adenomas, pheochromocytomas and adrenal cortical carcinomas. Comment on diagnostic and therapeutic dilemmas in adrenal disease and independently devise possible solutions based on patient presentation. Make critical judgments on your chosen issue through the Journal Club discussion.

A.3.4.4. Generic skills

Generic/transferable skills and competences that can be acquired through the PhD programme Biomedicine and Health Sciences and used outside the scientific, academic and/or clinical careers are:

- solving complex problems using critical thinking, judgment, generalization, synthesis and integration of ideas; know the meaning of evaluation and systematic procedures in the process of evaluating results, projects and programmes;
- ability to transfer and operationalise new technologies and new ideas;
- ability to manage project tasks;
- organisational and leadership skills;
- ability to teach others.

The PhD programme has a number of required courses which develop generic skills of the candidates. They are required to attend three blocks of methodological courses in which they become acquainted with:
advanced knowledge and skills of scientific communication, both verbally and in writing, in Croatian and English languages;

advanced statistical methods needed to carry out their research;

designing research and experiments and the relationship between design and statistics;

importance of a well-defined hypothesis, the role of pilot studies and preliminary data;

advanced knowledge of databases, computer and automated data collection;

specifics of working with human subjects in research;

specifics of working with experimental animals in research

basics of intellectual property and patent filing.

A.3.5. POTENTIAL OF THE STUDY FOR ESTABLISHING COOPERATION WITH OTHER HIGHER EDUCATION INSTITUTIONS, RESEARCH INSTITUTES, AND PRIVATE AND PUBLIC BUSINESS SECTORS

The PhD programme “Biomedicine and Health Sciences” features participation of numerous external associates in teaching, which include not only employees of other institutions of higher learning, but also scientists employed at scientific institutes and employees of the public sector active in the field of biomedicine, health care and pharmaceuticals.

In addition to teachers at the University of Zagreb School of Medicine, the PhD programme teachers are employees of several other faculties of the University of Zagreb, including the School of Dental Medicine, Faculty of Pharmacy and Biochemistry and Faculty of Veterinary Medicine (biomedical area), Faculty of Science, Faculty of Education and Rehabilitation Sciences, Faculty of Electrical Engineering and Computing, Catholic Faculty of Theology and Faculty of Law. Also, employees of universities in Rijeka, Split and Osijek participate in a smaller part of the programme. Among the leading scientific institutes, scientists employed at the Rudjer Boskovic Institute, the Institute of Anthropology, the Institute for Medical Research and Occupational Health and the Institute for Physics participate in the teaching and scientific research of the PhD programmes. Finally, employees of all major clinical centres and hospitals that house the clinics of the School of Medicine in Zagreb – University hospital centre Zagreb, University hospital centre "Sestre milosrdnice", University hospital Merkur, University hospital Sveti Duh and University hospital Dubrava are course leaders and lecturers at the PhD programme. Finally, employees of private research companies such as Fidelta (Galapagos, Zagreb) and pharmaceutical companies like Pliva (Teva Pharmaceutical, Zagreb) also participate in the teaching and research components of the programme.

Additional attention is also paid to technology transfer and the financing of scientific research, which is discussed in the three compulsory methodological courses in the series "Structure, methodology and functioning of scientific work". All of the above shows significant openness to collaboration, but more importantly, it provides PhD candidates with new in-depth insights into translational approaches and the pathway of medicine, which could ultimately contribute to the development of new research programmes and significant scientific and economic results.

A.3.6. REQUIREMENTS FOR STUDENTS’ ADVANCING DURING THE STUDY

In addition to fulfilling the obligations of the curriculum, the requirements for advancing through the programme are as follows: a) submitting a PhD thesis proposal and choosing mentor(s) for enrolment in
the second year of study; and b) accepted PhD thesis proposal and mentor by the Faculty Council for enrolment in the third year of study.

A.3.7. REQUIREMENTS FOR APPROVING THE PROPOSAL OF THE DOCTORAL DISSERTATION

All PhD candidates may, immediately upon obtaining the student status in a PhD programme, and at the latest before the expiry of the first study year of a PhD programme, submit to the Board for PhD Theses and Scientific Degrees a request to initiate the procedure for attaining the academic degree of doctor of science and to submit a PhD thesis proposal on the prescribed forms of the Board for PhD Theses and Scientific Degrees (form DR.SC.-01A), with the relevant additional documentation. The obligatory part of the additional documentation is a statement of the PhD candidate that he/she did not register an identical PhD thesis proposal at another PhD programme of the University of Zagreb or any other university. The appropriate, completed forms are also submitted simultaneously to the School’s Ethics Committee which is included in the process of review of the PhD thesis proposal. All scientific research on or with humans or animals must be conducted in accordance with regulations, with the approval of the School’s Ethics Committee, as well as the institution where the research is conducted, and with consent of all research subjects individually, if they are able to give them, or their proxies or legal representatives.

The Board for PhD Theses and Scientific Degrees proposes the appointment of a committee to evaluate the PhD thesis proposal and to select a mentor to the Faculty Council. The proposed mentor and co-mentor cannot be members of the committees for the evaluation and public discussion of the PhD thesis proposal, nor for the evaluation and defence of the completed PhD thesis.

A PhD thesis proposal is presented at a public discussion. The schedule of public discussions on the PhD thesis proposals is announced on the notice board of the PhD programme and on the School’s website. Proposed mentor(s), PhD candidate, members of the expert committee, a representative of the Ethics Committee, members of the Board for PhD Theses and Scientific Degrees and other interested members of the academic community participate in the public discussion. All comments and suggestions made during a public discussion are recorded in the form provided for that purpose (form DR.SC.-02), which also includes the final evaluation report on the PhD thesis proposal. The Committee for the evaluation of the PhD thesis proposal in its report to the Board for PhD Theses and Scientific Degrees proposes either: a) acceptance of the PhD thesis proposal with an explicit statement of the original scientific or artistic contribution achieved, or b) correction of the PhD thesis proposal and the final evaluation, or c) rejection of the PhD thesis proposal.

The report from the public discussion and the evaluation of the PhD thesis proposal (DR.SC.-02 form) as well as the corrected PhD thesis proposal (form DR.SC.-01B) are submitted to the Board for PhD Theses and Scientific Degrees no later than six months after the public discussion. If the report and the corrected PhD thesis proposal are not submitted within the prescribed deadline, the public discussion of the PhD thesis proposal is repeated. Based on the final report from the public discussion (form DR.SC.-02) and the submitted corrected PhD thesis proposal (form DR.SC.-01B), the Board for PhD Theses and Scientific Degrees submits to the Faculty Council a proposal to accept or reject the PhD thesis proposal and to appoint a mentor (and a co-mentor, if necessary).

The Faculty Council must make a statement on the motion by the Committee for the evaluation of the PhD thesis proposal and for proposing a mentor until the enrolment of the PhD candidate in the fifth semester, that is, the third study year.

A.3.8. REQUIREMENTS FOR COMPLETION OF STUDY
The PhD programme is completed by passing all exams, mandatory participation in PhD Days, positively evaluated scientific activity and the preparation and public defence of the PhD thesis. Before submitting the completed PhD thesis, the PhD candidate is obliged to submit the evidence that they have fulfilled all the conditions from the curriculum, which include the following:

a) that they have accumulated 60 ECTS credits on the basis of their scientific activity during the PhD programme, and

b) that they are a co-author with the mentor or co-mentor of the PhD thesis of a paper that is published (or has been accepted for publication) and that is related to the PhD thesis, that they are one of the main authors, and that the paper is published in a peer-reviewed scientific journal in the Web of Science (Core Collection) database.

A PhD candidate initiates the process of evaluating the completed PhD thesis by submitting unbound copies of the PhD thesis, digital copy of the PhD thesis, declaration of originality and a written approval and opinion of the mentor on the conducted research and the original scientific contribution achieved, in the School’s Registration office with the designation: “For the Board for PhD Theses and Scientific Degrees”. If the mentor does not wish to give their approval, the PhD candidate is obliged to inform the Board for PhD Theses and Scientific Degrees about this, who will then send a letter to the mentor that they are to make a written statement with the explanation about it within 15 days. In both cases, the mentor’s explanation is provided to the members of the committee for the evaluation of the completed PhD thesis, and they take it into consideration during their evaluation.

On the basis of a motion of the Board for PhD Theses and Scientific Degrees, the Faculty Council appoints a committee for evaluation of the completed PhD thesis, which has three or five members, at least one member of whom cannot teach at the PhD programme or is not an employee of the School, and is preferably an employee of another Croatian or foreign university or related institution. Neither the mentor nor the co-mentor can be a member of the committee for the evaluation of the completed PhD thesis.

The members of the committee for the evaluation of the completed PhD thesis and all others who ex officio (or as associates on the project) have access to the completed PhD thesis are obliged to treat all data and insights from the PhD thesis as confidential until its publication, in order to protect the scientific contribution of the PhD thesis and intellectual property rights.

The committee for the evaluation of the completed PhD thesis is obliged to submit a written and signed report with the evaluation of the PhD thesis within two months from its appointment to the Board for PhD Theses and Scientific Degrees. Each member of the committee has the right to submit a separate opinion and evaluation.

The Committee for the evaluation of the completed PhD thesis may propose in its report:

a) that the PhD thesis is accepted;

b) to return the PhD thesis to be corrected and completed and then resubmitted for evaluation within three to six months (depending on the planned scope of the corrections), or

c) to reject the PhD thesis, after which the PhD candidate loses the right to attain the academic degree of doctor of science in that PhD programme.

Explanation is an obligatory part of the report.
Before submitting the completed PhD thesis, the PhD candidate is obliged to submit the evidence that they have fulfilled all the conditions from the curriculum to the Board for PhD Theses and Scientific Degrees and the Board for Evaluation of Scientific Activity of PhD Candidates, which include the following:

   a) that they have accumulated 60 ECTS credits on the basis of their scientific activity during the PhD programme, and
   
b) that they are a co-author with the mentor or co-mentor of the PhD thesis of a paper that is published (or has been accepted for publication) and that is related to the PhD thesis, that they are one of the main authors, and that the paper is published in a peer-reviewed scientific journal in the Web of Science (Core Collection) database.

The committee for the public defence of the completed PhD thesis may have the same members as the committee for the evaluation of the completed PhD thesis, but the Faculty Council is obliged to appoint one substitute member based on the proposal of the Board for PhD Theses and Scientific Degrees.

PhD candidates whose PhD thesis proposal and mentor have been accepted are obliged, no later than five years from the date of acceptance of the PhD thesis proposal, and no earlier than 15 days from the date of the PhD thesis acceptance by the University of Zagreb Senate, to initiate the process of evaluation of the completed PhD thesis. Upon expiry of this deadline, the PhD candidate must regulate their student status and is obliged to initiate the procedure of re-evaluation of the PhD thesis proposal, according to the conditions valid at the time of re-submission of the PhD thesis proposal.

A.3.8.2. Procedure of the public defence of a completed PhD thesis

The defence of the PhD thesis is public. The committee for the public defence of the completed PhD thesis makes the evaluation after the defence. Defence scores can be rite, cum laude, magna cum laude and summa cum laude. The score is made by a majority vote of the members of the committee for the public defence of the completed PhD thesis. Public defence of the completed PhD thesis can be held only once.

A.3.8.3. Publishing and storage of a completed PhD thesis

The PhD thesis is published in its entirety on the website of the School's Central Medical Library, no later than one month after the successful completion of the public defence. In exceptional situations, on the basis of a written explanation and with the approval of the Board for PhD Theses and Scientific Degrees, publication on the School’s website may be postponed for up to two years.

The hard copy of the PhD thesis is stored in the School's Central Medical Library, the National and University Library and in the archives of the University of Zagreb. The PhD thesis must be published on the public university website of the National and University Library at the latest one month after the defence.

A.3.9. List of required and elective courses/modules, with names of course teachers, number of instruction hours and appointed ECTS (if any)

<table>
<thead>
<tr>
<th>REQUIRED COURSES:</th>
<th>COURSE TEACHERS</th>
<th>L</th>
<th>S</th>
<th>P</th>
<th>ECTS</th>
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<td>Structure, methodology and functioning of scientific work 1</td>
<td>Assoc. Prof. Ana Borovečki, Prof. Zdravko Lacković, Prof. Jelka Petrak</td>
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### Structure, methodology and functioning of scientific work

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<tr>
<td>Structure, methodology and functioning of scientific work 2</td>
<td>Prof. Vladimir Trkulja, Assoc. Prof. Donatella Verbanac, Prof. Zdravko Lacković</td>
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<td>Structure, methodology and functioning of scientific work 3: research projects</td>
<td>Assoc. Prof. Fran Borovečki, Prof. Srečko Gajović</td>
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<td>Statistical analysis of medical data 1</td>
<td>Prof. Zdenko Sonicki, Prof. Davor Ivanković</td>
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<td>Medical statistics 2.1: statistical tools for medical data analysis in planned experimental study design</td>
<td>Prof. Mirjana Kujundžić Tiljak</td>
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<td>Prof. Zdenko Sonicki, Prof. Davor Ivanković</td>
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### ELECTIVE COURSES:

**BASIC MEDICAL SCIENCE METHODOLOGY COURSES:**

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<td>Biochemical methods in biomedical research</td>
<td>Prof. Jasna Lovrić, Assoc. Prof. Dunja Rogić</td>
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<td>Methods of molecular biology in medicine</td>
<td>Prof. Florijana Bulić Jakuš, Prof. Jadranka Sertić</td>
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<td>Genomic approaches in biomedical and translational research</td>
<td>Assoc. Prof. Fran Borovečki</td>
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<td>Electrophysiological techniques in medical research</td>
<td>Assoc. Prof. Diana Delić Brkijačić, Assoc. Prof. Aleksandra Dugandžić</td>
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<td>Morphological research methods in biomedical sciences</td>
<td>Prof. Srečko Gajočić, Prof. Boris Brkijačić</td>
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<td>Proteomics in biomedical research</td>
<td>Prof. Lovorka Grgurević</td>
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<td>Laboratory animals in biomedical research</td>
<td>Ranko Stojković, PhD, research advisor</td>
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### Methods of investigation in vivo and in vitro

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<tr>
<td></td>
<td>Prof. Drago Batinić, Prof. Dora Višnjić</td>
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### CLINICAL MEDICAL SCIENCE METHODOLOGY COURSES:

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<td>Telemedicine</td>
<td>Prof. Davor Miličić, Assoc. Prof. Mirza Žižak</td>
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<td>Research methods of psychological functions and behaviour</td>
<td>Prof. Rudolf Gregurek, Prof. Alma Mihaljević Peleš</td>
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<tr>
<td>Characteristics of clinical medical research</td>
<td>Assoc. Prof. Robert Likić</td>
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### PUBLIC HEALTH METHODOLOGY COURSES:

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<td>Epidemiologic methods in research</td>
<td>Assoc. Prof. Nataša Antoljak, Prof. Zvonko Šošić</td>
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<td>Research and evaluation methods of health interventions</td>
<td>Prof. Stjepan Orešković</td>
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### GENERAL METHODOLOGY COURSES:

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<td>Medical informatics methods</td>
<td>Assist. Prof. Kristina Fišter, Prof. Jadranka Božíkov</td>
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<td>Evidence-based medicine</td>
<td>Prof. Ratko Matijević, Prof. Žarko Alfirević</td>
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### FIELD-ORIENTED COURSES:

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<td>Medical image analysis</td>
<td>Assist. Prof. Stanko Težak</td>
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<td>Disorders of adrenal gland</td>
<td>Prof. Darko Kaštelan</td>
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<td>Gene targeting in mammals</td>
<td>Prof. Srečko Gajović</td>
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<td>Diabetes and pregnancy</td>
<td>Prof. Josip Đelmiš, Prof. Marina Ivanišević</td>
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<td>Diagnostic and treatment of female urinary incontinence</td>
<td>Prof. Slavko Orešković</td>
<td>8 4 3</td>
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### Experimental oncology: malignant diseases as persistent oxidative stress

Prof. Neven Žarković

| 
| --- |
| 15 | 3 |
| 2 | 3.0 |

### Endocrine tumours of gastrointestinal tract and pancreas

Assist. Prof. Maja Cigrovski-Berković, Prof. Vanja Zjačić-Rotkvić

| 
| --- |
| 7 | 3 |
| 2 | 1.5 |

### Epigenetics

Prof. Maja Vlahović, Assist. Prof. Nino Sinčić

| 
| --- |
| 5 | 10 |
| 2 | 2.5 |

### Pharmacogenomics

Prof. Nada Božina

| 
| --- |
| 2 | 11 |
| 7 | 3.0 |

### Physiology and biochemistry of the uterus in pregnancy and labour

Prof. Marina Ivanišević

| 
| --- |
| 9 | 6 |
| 4 | 3.0 |

### Genotoxicological research of exposure to physical and chemical mutagens in working and living environment

Aleksandra Fučić, PhD, research advisor

| 
| --- |
| 2 | 10 |
| 0 | 1.5 |

Prof. Dinka Pavičić Baldani, Prof. Davor Ježek, Tarek El-Toukhy, research associate

| 
| --- |
| 9 | 3 |
| 4 | 2.5 |

### Human reproduction

Prof. Marina Ivanišević

| 
| --- |
| 9 | 6 |
| 4 | 2.5 |

### Immunocytokines

Assist. Prof. Alenka Gagro, Assist. Prof. Tomislav Kelava

| 
| --- |
| 3 | 9 |
| 4 | 2.5 |

### Immunological recognition

Prof. Drago Batinić

| 
| --- |
| 10 | 8 |
| 0 | 2.5 |

### Biomaterial infections

Prof. Jasmina Vraneš

| 
| --- |
| 4 | 14 |
| 0 | 2.5 |

### Isotransplantation of mammalian organ primordia

Prof. Gordana Jurić-Lekić

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| --- |
| 5 | 4 |
| 8 | 2.5 |

### How to become a neuron?

Prof. Srećko Gajović

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| 7 | 3.0 |

### Hand surgery

Assoc. Prof. Rado Žic

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| 13 | 6 |
| 6 | 3.5 |

### Surgical therapy of pituitary tumours

Prof. Darko Kaštelen, Assist. Prof. Tomislav Sajko

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| 2 | 8 |
| 5 | 2.0 |

### Clinical neuropharmacology

Prof. Maja Relja

| 
| --- |
| 10 | 10 |
| 10 | 4.5 |

### Clinical nutrition

Prof. Sanja Kolaček, Iva Hojsak, PhD, senior research associate

<p>|
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| 14 | 5.0 |</p>
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<td>Clinical psychopharmacology</td>
<td>Prof. Miro Jakovljević</td>
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<td>Clinical laboratory diagnostics of malignant melanoma with special reference to molecular-biological diagnosis assessment</td>
<td>Prof. Mirna Šitum</td>
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<td>Bone morphogenetic proteins in regeneration of bone and cartilage</td>
<td>Prof. Slobodan Vukičević</td>
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<td>Laboratory approach to transplantation of haematopoietic stem cells</td>
<td>Prof. Drago Batinić</td>
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<td>Medical anthropology</td>
<td>Prof. Pavao Rudan, Assist. Prof. Natalija Novokmet</td>
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<td>Mechanisms of allergic reactions</td>
<td>Assist. Prof. Alenka Gagro</td>
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<td>Methods in molecular oncology</td>
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<td>Microvascular tissue transfer</td>
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<td>Molecular genetics of aging and carcinogenesis</td>
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<td>Molecular oncology – insight into new technologies</td>
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<td>Molecular aspect of lymphocyte development</td>
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<td>Molecular and biochemical approach to genetic disorders</td>
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<td>Molecular genetics and pharmacogenetics of gastrointestinal tumours</td>
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<td>Multiresistant bacteria associated with nosocomial infections</td>
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<td>Assoc. Prof. Ivica Grgurević, Prof. Boris Brkljačić</td>
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<td>Neurobiology of aging</td>
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<td>Movement disorders</td>
<td>Prof. Maja Relja</td>
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<td>Selected chapters of epileptology of developmental age</td>
<td>Prof. Nina Barišić</td>
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<td>Selected topics in transplantation immunology</td>
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<td>Selected animal models of psychiatric disorders</td>
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<td>Knowledge discovery in medical domains</td>
<td>Dragan Gamberger, PhD, research advisor Prof. Zdenko Sonicki</td>
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<td>Pathophysiology of the brain and the CSF</td>
<td>Prof. Marijan Klarica</td>
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<td>Pathogenesis of infective diseases</td>
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<tr>
<td>Use of doppler ultrasound in research and diagnosis of diseases of blood vessels</td>
<td>Prof. Boris Brkljačić, Assist. Prof. Gordana Ivanac</td>
<td>7 8 5 3.0</td>
<td></td>
</tr>
<tr>
<td>Understanding bone metabolism – basic science in clinical practice</td>
<td>Prof. Vesna Kušec</td>
<td>8 8 1 2.5</td>
<td></td>
</tr>
<tr>
<td>Human developmental neurobiology</td>
<td>Prof. Ivica Kostović, Prof. Miloš Judaš</td>
<td>8 8 2 2.5</td>
<td></td>
</tr>
<tr>
<td>Reproduction and workplace</td>
<td>Assist. Prof. Milan Milošević, Prof. Jadranka Mustajbegović</td>
<td>7 7 0 2.0</td>
<td></td>
</tr>
<tr>
<td>Synaptic plasticity and mind</td>
<td>Prof. Ivica Kostović</td>
<td>2 10 2 2.0</td>
<td></td>
</tr>
</tbody>
</table>
Liaison and consultative psychiatry  Prof. Rudolf Gregurek  17 10 3  4.5

Translational medicine - from disease to gene  Oliver Vugrek, PhD, senior research advisor  4 2 4  1.5

Kidney transplantation  Ivica Mokos, PhD, research advisor  6 18 6  4.5

Liver transplantation  Assoc. Prof. Tajana Filipec Kanižaj, Prof. Leonardo Patrlj  6 12 4  3.0

Liver transplantation in children  Prof. Jurica Vuković  5 8 5  3.0

The role of immunogenetics in transplantation  Assist. Prof. Renata Žunec  10 6 6  3.0

Mental health service management  Prof. Rudolf Gregurek  6 6 4  2.5

Health and public health risks management in crisis situations  Assoc. Prof. Iskra Alexandra Nola, Prof. Stjepan Orešković  6 5 14  4.0

Viral hepatitis  Prof. Marko Duvnjak, Prof. Adriana Vince  10 15 0  3.5

Scientific approach to transfusion treatment  Prof. Jasna Mesarić  2 14 0  2.5

*L = lectures; S = seminars; P = practical work;

The principal scheme of course enrolment is as follows:

First year: 12 ECTS worth of courses: (REQUIRED) Structure, methodology and functioning of scientific work 1 (4 ECTS) + choice of elective methodological courses (8 ECTS in total)

Second year: 12 ECTS worth of courses: (REQUIRED) Structure, methodology and functioning of scientific work 2 (5 ECTS) and Statistical analysis of medical data 1 (5 ECTS) + choice of elective methodological and field-oriented courses (2 ECTS in total);

Third year: 12 ECTS worth of courses: (REQUIRED) Structure, methodology and functioning of scientific work 3: research projects (2 ECTS) and one of Medical statistics 2 courses, depending on study design (2 ECTS) + choice of elective methodological and field-oriented courses (8 ECTS in total).

A.3.10. POSSIBILIT Y OF IMPLEMENTATION OF THE DOCTORAL STUDY PROGRAMME IN ENGLISH OR SOME OTHER LANGUAGE AND LIST OF COURSES THAT MAY BE OFFERED IN THAT LANGUAGE

PhD programme "Biomedicine and Health Sciences" in English enrolled its first students in the academic year 2007/2008 and was the first such programme in the Republic of Croatia. The requirement for
enrolment is foreign citizenship, and the teaching is entirely conducted in English. The courses, structure of the programme and the teaching process are fully equivalent to its Croatian counterpart. There is, however, a difference in the teaching schedule itself. Namely, this program promotes the so-called “sandwich” model of teaching and course attendance. Candidates have an intensive month and a half of courses in each academic year. This allows for shorter absences from their workplace and residence in another country. In addition, candidates can have an additional mentor not affiliated with the School of Medicine in Zagreb, one from their home country. This type of mentoring is encouraged since it facilitates that the candidates conduct at least part of their research, if not all, in their home country. This discourages future brain drain for their countries and enables growth of its research and scientific capacities leading to “brain gain”.

According to January 2019 data, a total of 66 applicants from Kosovo, Bosnia and Herzegovina, Canada, Macedonia, Italy and Ukraine enrolled in the programme. Forty-eight of them have finished the courses and are now working on their PhD thesis whose proposals had been successfully accepted. The first graduation ceremony of the two PhD candidates that earned their highest academic title with the completion of the Biomedicine and Health Sciences PhD programme was held on April 1, 2015. So far, 16 students have completed their studies and received the title of Doctor of Science.

There are 48 co-mentors who are foreign nationals. The largest number of those is from Kosovo (18), less from Slovenia (8), the USA (5), Macedonia (3) and Bosnia and Herzegovina, Germany and France (2 comments each). One co-mentor each is from Spain, the Netherlands, Hungary, Belgium, Poland, the Czech Republic, Albania and Canada.

A.3.11. CRITERIA AND REQUIREMENTS FOR ENROLLING IN COURSES/MODULES FROM OTHER DOCTORAL STUDIES

Teaching contents (courses) with final exams at PhD programmes of other medical schools in the Republic of Croatia are as a rule rated in the same way as PhD courses at the School of Medicine, University of Zagreb. However, it is first assessed whether these courses are equivalent to those of this programme. To do this, the candidates must provide course content, course leaders’ CVs and other information relevant to the evaluation (similar to the "diploma addendum" in European education terminology).

The same applies to courses taken at PhD programmes of other recognized faculties at home or abroad. In doing so, however, things that are further evaluated are: the enrolment criteria and completion criteria for these programmes, and the inclusion criteria of the course (do courses undergo a review and what kind). Additionally, organized PhD and postdoctoral training with proficiency exams at renowned, non-profit scientific institutes can be also taken into account.


A three-member study committee is appointed to each PhD candidate enrolled to guide, advise and work with the candidate throughout their studies up to their PhD thesis defence. The study committee consists of the PhD mentor, a head of the department where PhD research is being conducted and one other member of the faculty.

A.3.13. RIGHTS AND OBLIGATIONS OF DOCTORAL STUDENTS, MENTORS AND STUDY PROVIDERS

A.3.13.1. Rights and obligations of PhD candidates
Prior to the enrolment in the first semester of a PhD programme, selected applicants are required to sign a contract on mutual rights and obligations. The contract contains provisions on:

a) the contracting parties,
b) PhD candidate’s financial obligations,
c) statements by the PhD candidates and their mentors about the understanding of the commitments they made and their rights and responsibilities during the PhD programme,
d) the obligations regarding enrolment and completion of the programme, and
e) other rights and obligations relevant to the completion of the programme.

PhD candidates have the right and obligation to attend all forms of classes, and they are required to attend at least 80% of classes, of which records are kept. The provisions of the Regulations of Graduate Programmes of the School shall be appropriately applied to the questions of attendance, records of classes, taking of examinations and the obligations of PhD candidates.

Upon completion of each study year, PhD candidates are required to certify the year of study. PhD candidates who fail to enrol in the next year of study are required to submit a prescribed form of temporary suspension of studies; otherwise they lose their student status.

A PhD candidate has the right to freely and independently choose a mentor (and a potential co-mentor) for their PhD thesis. A PhD candidate has the right to change the mentor appointed to supervise the accepted PhD thesis proposal once and only for justifiable reasons. A PhD candidate has the right to submit a request to terminate work on the previously accepted PhD thesis proposal once, and to request evaluation and acceptance of a new PhD thesis proposal with the appointment of the same or a new mentor. A PhD candidate may be granted several requests to terminate work on the previously accepted PhD thesis proposal for justified reasons resulting from unforeseen events, extraordinary events and events that could not be prevented, eliminated or avoided.

A PhD candidate is obliged to submit an annual report on their progress to the Council for Postgraduate Programmes. In addition, PhD candidates are required to submit a certificate that in each academic year they spent at least 160 working hours within the laboratory or clinical department or the Referral Centre of the Ministry of Health of the Republic of Croatia or other relevant research dealing with the topic related to the PhD thesis.

A.3.13.1. Rights and obligations of mentors

A person may be appointed as a mentor of the PhD thesis if they are an employee of the School holding a scientific-teaching degree and position or is elected in the title scientific-teaching degree at the School, provided that they are an active researcher in the field for which the PhD thesis is proposed, as evidenced by the simultaneous fulfilment of the following two criteria:

a) that during the past 5 years they have been a leader of a national or international project or an active contributor to such a project, and

b) have published at least 3 internationally recognized papers relevant to the research of their PhD candidate’s PhD thesis (as evidenced by data from the Web of Science, SCI expanded and SSCI) over the past five years.

Professors emerita and full members of the Croatian Academy for Arts and Sciences can be mentors of PhD theses, if they are active leaders of research projects.
In order to ensure the full and comprehensive development and education of PhD candidates, to enhance interdisciplinary research, the quality of research and the mobility of young researchers, and the quality of PhD theses, the School may appoint a co-mentor if necessary.

Prior to taking up the first mentorship, the prospective mentor must attend a workshop for mentors organized by the University, the School or recognized international schools, or co-mentor one PhD thesis. A person may mentor up to five PhD candidates at a time.

The mentor and co-mentor are obliged to supervise the PhD candidate during the preparation of their PhD thesis, to monitor the quality of their PhD thesis, to encourage the publication of their papers and to enable them to participate fully in scientific research projects.

Primary responsibility for publishing papers co-authored by the PhD candidate is the responsibility of the mentor, who is expected to maintain at least average scientific productivity during the writing of PhD thesis, which means publishing at least one paper per year in internationally peer-reviewed journals cited in WoS, SCI expanded and SSCI.

The mentor is obliged to submit annual reports on the PhD candidate’s progress to the Council for Postgraduate Programmes.

A.3.13.3. Rights and obligations of the programme provider

The School of Medicine has established working bodies responsible for the realization and quality assurance of the PhD programme in accordance with the approved curriculum.

**PhD Programme Coordination Committee** consists of a PhD programme director and one or more assistants from the ranks of teaching staff with scientific-teaching titles who actively participate in the organization of the curriculum. A PhD programme director organizes the PhD programme and is responsible for the implementation of the curriculum, proposes a plan for implementation of the curriculum, convenes and chairs the meetings of the course leaders, proposes amendments to the curriculum, submits annual reports on the courses held and performs other tasks in accordance with laws and regulations. Assistants to the PhD programme director participate in the application process and selection of candidates for admission, in the development of the implementation of the curriculum, in the organization and realization of PhD Day, take care of teaching materials and teaching aids, submit reports on the courses held and conduct programme surveys.

**The Board for PhD Theses and Scientific Degrees** a permanent expert committee of the Faculty Council, which harmonizes the criteria and coordinates the activities in the process of attaining the academic degree of doctor of science from the moment of the registration of the PhD thesis proposal up to the public defence of the completed PhD thesis and the graduation ceremony.

**The Board for Evaluation of Postgraduate Programmes** is a permanent expert committee of the Council for Postgraduate Programmes, which coordinates activities and harmonizes standards in the process of designing curricula and evaluating postgraduate programmes.

**The Board for Evaluation of Scientific Activity of PhD Candidates** is a permanent expert committee of the Council for Postgraduate Programmes, which coordinates the activities and harmonizes the criteria in the process of evaluating the scientific activity of PhD candidates and mentors and evaluates whether the conditions for the public defence of the PhD thesis have been fulfilled.

**The Council for Postgraduate Programmes** decides on all issues regarding postgraduate programmes within the scope of its jurisdiction, on the basis of proposals from its working bodies (boards). This applies in particular to the harmonization of the quality of the programme curriculum, the analysis and quality
assurance of the PhD programme, the determination of the ECTS points according to the curriculum and the evaluation of the scientific activity of PhD candidates during their studies.

A.3.14. COST OF THE STUDY PROGRAMME PER DOCTORAL STUDENT

The sources of funds for the PhD programme are:

- state scholarships (today the Croatian Science Foundation - HRZZ),
- places of employment of PhD candidates (health care institutions, pharmaceutical industry, agencies, etc.),
- PhD candidates themselves (self-financing), and
- School of Medicine’s own funds.

Funds raised for the purpose of PhD programme are allocated clearly and in a manner that ensures the maintenance and improvement of PhD education. Since the total costs are paid in part from the revenues of the state budget of the Republic of Croatia, the city and county budgets, the revenues from scientific projects and courses, the total costs are deducted from the costs paid from own revenues (source 31). Tuition revenues are recorded in accordance with the financial rules of the users of the state budget, but refer to the academic year, not the financial year. For this reason, the revenue from the tuition fees of one academic year is transferred to the revenue of another financial year. Accordingly, the costs of a doctoral degree are also charged to two financial years.

The total costs of the School, paid out of own resources, include expenses for spending according to the following basic categories.

**Remuneration for work** outside the prescribed standard consists of:

- salaries and wages for teaching and non-teaching staff beyond the prescribed standard;
- payment of work wages to external associates through work contracts;
- overtime pay for all employees;
- costs of hiring new employees (agency fees).

**Operating cost and other material costs**

The total amount of annual operating cost is calculated by using the financial data for source 31 (revenues from own sources) less the amounts of salaries and wages paid from own source revenues.

The School of Medicine systematically allocates funds from tuition and other own resources to cover the costs related to scientific research and the preparation of PhD thesis:

- proper disposal of waste (radioactive, infectious, toxic, animal origin, etc.) resulting from research;
- training of personnel to handle hazardous materials and devices, obtaining licenses to work with experimental animals and the like;
- procurement of appropriate protective equipment;
- renovation of housing and equipment for experimental animals;
- servicing and maintenance of capital, medium and small lab equipment;
- construction and infrastructure renovation of laboratories;
• procurement of chemicals used by a number of research groups (alcohol, acids, alkalis, formalin, liquid nitrogen, etc.);
• publishing in open access journals, poster design, organization of PhD Day, assistance in attending symposia and congresses and the like.

Costs to third parties relate to:
• the University of Zagreb Development Fund and its components;
• candidate compensation for the Croatian Medical Chamber duties.

The tuition fees for the PhD programme “Biomedicine and Health Sciences” at the School of Medicine are calculated on the basis of the costs of staff, external associates, operating costs of the School, procurement and maintenance of equipment, premises and administrative costs resulting from the overall running of the School.

On the basis of cost parameters, number of candidates per year of PhD programme, number of hours of teaching and engaged teaching and administrative staff, an amount of HRK 70,000.00 to 77,000.00 was determined, which would be sufficient to cover the cost of the programme per candidate. The exact amount, on an annual basis, depends on the number of candidates enrolled, the number and academic rank of teachers hired, and the proportion of the cost of pursuing a PhD degree in the total cost. The exact amount of programme costs in 2017 and 2018 is listed in the table below.

<table>
<thead>
<tr>
<th>PhD PROGRAMME COSTS</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>office material</td>
<td>193,803.50</td>
<td>196,990.92</td>
</tr>
<tr>
<td>computers and IT material</td>
<td>261,712.89</td>
<td>298,480.14</td>
</tr>
<tr>
<td>promotional services</td>
<td>278,465.15</td>
<td>562,653.18</td>
</tr>
<tr>
<td>literature</td>
<td>301,609.14</td>
<td>284,368.30</td>
</tr>
<tr>
<td>maintenance (cleaning agents, sanitary fittings and accessories) washing services, freight forwarding</td>
<td>657,024.30</td>
<td>554,165.63</td>
</tr>
<tr>
<td>small inventory</td>
<td>98,129.14</td>
<td>64,858.21</td>
</tr>
<tr>
<td>clothing</td>
<td>122,334.67</td>
<td>57,807.78</td>
</tr>
<tr>
<td>teaching assistants</td>
<td>426,501.50</td>
<td>452,921.95</td>
</tr>
<tr>
<td>building and equipment maintenance</td>
<td>2,280,690.43</td>
<td>1,109,401.20</td>
</tr>
<tr>
<td>animal care</td>
<td>194,126.40</td>
<td>193,092.84</td>
</tr>
<tr>
<td>laboratory supplies and chemicals</td>
<td>319,637.50</td>
<td>221,256.99</td>
</tr>
<tr>
<td>pest control, chimney maintenance</td>
<td>17,202.36</td>
<td>20,707.78</td>
</tr>
<tr>
<td><strong>total</strong></td>
<td>5,151,236.98</td>
<td>4,016,704.92</td>
</tr>
<tr>
<td><strong>Expenditure on non-financial assets</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>renovation of laboratories and lecture halls</td>
<td>97,954.25</td>
<td>364,833.19</td>
</tr>
<tr>
<td>computer equipment</td>
<td>241,251.90</td>
<td>429,208.08</td>
</tr>
<tr>
<td>office equipment</td>
<td>197,374.58</td>
<td>305,351.08</td>
</tr>
<tr>
<td>maintenance equipment</td>
<td>56,283.56</td>
<td>78,495.75</td>
</tr>
<tr>
<td>laboratory equipment</td>
<td>76,055.50</td>
<td>123,795.00</td>
</tr>
<tr>
<td>teaching equipment</td>
<td>272,626.68</td>
<td>151,560.56</td>
</tr>
<tr>
<td>books</td>
<td>44,014.54</td>
<td>61,369.62</td>
</tr>
</tbody>
</table>
Due to the extremely difficult economic situation in recent years, to the strategic need for medical staff and motivating young doctors to continue their scientific education in the Republic of Croatia and to contribute to the development of the medical profession with their expertise and knowledge, the amount of tuition fees for PhD programmes was set at HRK 20,000.00 per year.
A.4. METHODS OF MONITORING QUALITY OF THE DOCTORAL STUDY

A.4.1. LIST OF QUALITY INDICATORS SUCH AS SCIENTIFIC OR ARTISTIC PRODUCTION OF TEACHERS AND DOCTORAL STUDENTS, QUALITY OF INSTRUCTION, RELEVANCE AND QUALITY OF DOCTORAL DISSERTATIONS, STATISTICAL DATA ON DURATION OF STUDY, STATISTICAL DATA ON THE NUMBERS OF NEW HOLDERS OF DOCTORAL DEGREES IN RELATION TO THE NUMBERS OF DOCTORAL STUDENTS ANNUALLY, INTERNATIONAL COOPERATION REALIZED, EMPLOYABILITY OF NEW HOLDERS OF DOCTORAL DEGREES

A.4.1.1. Scientific production of teachers and PhD candidates

The mentor is required to guide the PhD candidate, monitor the quality of their work, encourage the publication of papers and enable full participation in scientific research projects. Therefore, monitoring and evaluating the quality of a mentor's scientific performance is monitored directly and indirectly.

The quality of mentors is directly monitored on the basis of their scientific production. The mentor must have a scientific or scientific-teaching title of at least a research associate or assistant professor and be an active researcher in the field in which the PhD thesis is prepared. This is substantiated in two ways: (1) that the mentor is a leader or associate on an active domestic or international project and (2) that the mentor has previous scientific achievements (publications) in the last five years, or that they have published at least five papers in journals cited in WoS or at least one paper in Quartile 1 (Q1) or Quartile 2 (Q2). Good selection of mentors is shown by data for the 5-year period 2011/2012 - 2015/2016: 685 active and potential mentors (who have the conditions for mentors but did not have a PhD candidate in the last five years) published 10,774 papers (15.7 per mentor), with an average number of citations of these papers 117.6, with an average h-index of these papers 3.7 and an average h-index of mentors 9.5. The data for the last academic year (2017-2018) also clearly show the high productivity of mentors and their PhD candidates (Table 4.1).

Table 4.1. Indicators of scientific production of mentors for the academic year 2017/2018.

<table>
<thead>
<tr>
<th>Number of mentors with PhD candidates</th>
<th>Number of mentors whose PhD candidates defended their thesis successfully</th>
<th>Number of published scientific papers by mentors</th>
<th>Number of published scientific papers by mentors in international journals</th>
<th>Number of mentors’ publications with their PhD candidates</th>
</tr>
</thead>
<tbody>
<tr>
<td>303</td>
<td>75</td>
<td>834</td>
<td>689</td>
<td>126</td>
</tr>
</tbody>
</table>

Indirectly, the quality of the mentor is also monitored by the quality of scientific work, that is, by scientific activity of PhD candidates. Data on scientific activity and productivity of PhD candidates for the 2011/2012 - 2015/2016 is also satisfactory. Of the 543 PhD students for whom data was collected, 174 completed their studies and received the title of Doctor of Science. During their studies, these PhDs published, on average, 1.33 papers from their PhD thesis, with a citation number of 1234 and an average number of citations of 5.3.

A.4.1.2. Quality of teaching

The quality of teaching and the content of the courses is assessed by a student survey, which has been continuously conducted since the beginning of the programme. PhD Programme Coordination Committee has the right and duty to periodically attend classes. For smaller courses, an anonymous survey is conducted when submitting the exam grade slips to the student office. The students are familiar with the
e-mail addresses of the members of the PhD Programme Coordination Committee and the Vice-dean for Postgraduate Programmes, and have the opportunity to express their complaints without any consequences to them. Warranted complaints are reported to the course leaders, with the name of the plaintiff not given without their consent. In order to ensure continuity of the teaching part of the PhD programme, all retired course leaders must have co-leaders, and course leaders who are foreign nationals should, as a rule, have co-leaders resident in the Republic of Croatia (commonly from the University of Zagreb School of Medicine).

According to the annual academic report for the year 2017/2018, PhD candidates of the PhD programme “Biomedicine and Health Sciences” from all three study years (n = 348) evaluated the study with a score of 4.06 (expressed as median). Teachers' quality was rated 4.21, availability of teaching materials (scripts, website, articles, handouts) 4.1, usefulness of teaching materials 4.03, lectures 4.1, seminars 4.07, and practical work 4.06. Graduate study organization rating was 4.03. In general, PhD candidates praised the quality and accessibility of their teachers, interesting presentations and valuable practical knowledge they gained in conducting their own research. There were complaints about occasional unannounced absences of teachers, some lengthy theoretical lectures and lack of teaching materials in some courses.

The concrete suggestions of the PhD candidates for improving the quality of teaching were: to introduce even more practical work, to communicate more clearly with the students, and to explain more clearly what is expected in the exams from individual PhD courses.

**A.4.1.3. Relevance and quality of PhD theses**

The quality of the PhD theses is reflected in the quality and number of scientific publications resulting from the research during the PhD programme. Data on scientific productivity of PhD candidates in 2011/2012 - 2015/2016 speak in favour of satisfactory scientific productivity. Out of the total number of PhD candidates who graduated and/or were still studying during this period, data was collected for 58.5% of PhD candidates. The number of papers resulting from the narrow topic of their PhD thesis was 362, with a citation number of 1534 and an average number of citations of 2.83. It should be borne in mind that some doctoral candidates had only just their PhD thesis proposals accepted. For those who completed the programme during this period and received the title Doctor of Science (n=174), data shows that they, on average, published 231 papers in the narrower topic of the thesis, on average 1.33, with the number of citations 1234 and the average number of citations 5.3.

**A.4.1.4. Statistical indicators of study duration**

The median of the duration of studies from enrolment to drafting and defending a PhD thesis for students who have completed their doctoral studies and received their PhD in 2009/2010 was 7.0 years and in 2017/2018 it was 7.74 years. Compared to the developed EU member states, which have a full-time PhD duration of 3 - 4 years, this is still a rather long period. This is understandable, however, since our PhD candidates are largely part-time clinicians and therefore study duration is longer than in developed EU member states. Specifically, a number of part-time PhD candidates take study leave because of other obligations (specialization, scholarships, maternity leave, etc.), which negatively affect the statistical indicators of the duration of studies.

**A.4.1.5. Statistical indicators of the annual number of new PhDs in relation to the number of PhD candidates**

According to the indicators of the last analysis for the academic year 2017/2018, there were a total of 210 students enrolled in all academic years, not counting PhD candidates who had taken classes
and were in the process of writing their PhD thesis. Most students (almost 95%) enrolled in part-time study, and only 5% of students studied full-time. 64 students enrolled in the first year of study, and in the same year 65 PhD candidates defended their PhD thesis. So, in 2017/2018, more doctoral students defended their PhD thesis than were enrolled in the same academic year.

A.4.1.6. International collaboration

The international collaboration of the School of Medicine reflects the dynamic process of internationalization in the field of higher education. Internationalization of the School is one of the proactive strategies of change and improvement of academic life and work in the specific conditions of educational and professional scientific work in the field of biomedicine and health sciences.

The School is active in the following areas of its strategic orientation and level of development of international collaboration and international relations:

- development of PhD programmes in accordance with the Bologna Process, and in particular in accordance with international documents in the field;
- affirmation of ECTS credit system as a unique form of quantification and evaluation of teaching and student workload;
- increasing the number of exchange students and strengthening the intercultural and educational component through European mobility programs, bilateral inter-faculty and inter-university agreements and the organization of thematic summer schools;
- increasing the number of teachers in exchange and as well as their more active participation in longer study visits, scientific and professional fellowships;
- increasing the competitiveness of scientists from the medical field in the area of project applications for the European Union (Seventh Framework Program and Horizon 2020) and maintaining the continuity of international scientific, infrastructural and organizational projects initiated;
- stronger participation, especially by junior researchers, in Marie Curie fellowship programs that encourage the mobility of scientists and researchers at foreign Incoming/Outgoing International Fellowships;
- defining areas of scientific excellence with the aim to integrate Croatian biomedical orientation institutions more effectively into the European Research Area (ERA);
- expansion of the Office for International Relations as a place of coordination and systematic monitoring of all forms of international action and a centre that generates monitoring mechanisms within the quality improvement system in the field of internationalization;
- maintaining the current level and enhancing ongoing cooperation with the central Office for International Relations at the University of Zagreb, with even greater coordination in the exchange of information on international programs and initiatives.

At the international level, the School as an institution, its organizational units, departments and individuals, foster collaboration with domestic and international institutions in the field of biomedicine and health sciences. This kind of cooperation takes place through bilateral inter-faculty and inter-university agreements, participation in the work of academic networks and organizations, and participation in scientific meetings and their organization.

Table 4.2. Review of the International Collaboration of the School of Medicine
<table>
<thead>
<tr>
<th>Progammes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bilateral university agreements</td>
<td>University of Vienna, the Medical University of Graz, Bratislava University, the University of Hamburg, the University of Toronto, the University of Thessalonica, the University of Padua</td>
</tr>
<tr>
<td>Bilateral faculty agreements</td>
<td>Schools of Medicine: Graz, Pecs, Timisoara, the Russian State Medical University, Moscow, Hamburg, Ljubljana, Mostar, Skopje, Tetovo, Tuzla, Podgorica, Prishtina, Tirana, Ecole Nationale de la Santé Publique - Rennes, South Carolina Polytechnic Finland, Kent, McGill, University of Michigan Medical School, University of California San Francisco, University of Northern Colorado, University of Georgia College of Medicine, Medical College of South Carolina, Medical College of Wisconsin, Penn State University</td>
</tr>
<tr>
<td>Regional initiatives</td>
<td>Cooperation on harmonisation of medical curricula in South-East Europe organized by the German Rectors' Conference and coordination of the School of Medicine in Hamburg; the Medical Competence Network of SEE Medical Schools (coordinator: The Medical University in Graz) Multilateral agreements: ETC-PHHP (European Training Consortium in Public Health and Health Promotion – cooperation with 10 universities in the European Union) and PH-SEE (Public Health in South Eastern Europe – cooperation with 16 universities in South and South-East Europe); South East Europe Workplace Academy (SEEEWA)</td>
</tr>
<tr>
<td>TEMPUS programmes</td>
<td>Universities in Ghent, Pécs, Vienna, Hamburg, Maribor, Osijek, Split and Prishtina</td>
</tr>
<tr>
<td>Participation in international and regional associations and programmes</td>
<td>Association of Medical Schools of Europe (AMSE) , International Association for Medical Education (AMEE), The European Training Consortium in Public Health &amp; Health Promotion, Association of Schools of Public Health in the European Region (ASPFHER), European Public Health Association (EUPHA), Forum for Public Health in South-East Europe, Organization for PhD Education for Biomedicine &amp; Health in European System (ORPHEUS), European University Association (EUA)</td>
</tr>
<tr>
<td>Joint BA/MA or PhD programmes</td>
<td>PhD programme in the field of biomedicine and health sciences with the University of Ljubljana, Master programme Leadership and Management in Health Sciences, postgraduate programme in ultrasound diagnostics in gynaecology with Hamad Medical Corporation Qatar</td>
</tr>
<tr>
<td>Summer schools</td>
<td>Federation of European Neuroscience Societies Summer School, Motovun International Summer School of Public Health, European Medical Students Association (EMSA) Summer School in Emergency Medicine Dubrovnik</td>
</tr>
<tr>
<td>Professional courses</td>
<td>International courses in cardiology, diabetology, neurology, ENT, occupational medicine and other areas of medicine, and courses run by the European Molecular Biology Organization (EMBO), courses within the longitudinal studies Basic Medical Skills organized according to the European Resuscitation Council</td>
</tr>
<tr>
<td>Scholarships for mobility of students and teaching staff</td>
<td>Lions Club Austria: Medical Students Beyond Frontiers, Katolische Kliniken in Kleve Kreis scholarships, Josip Matovinovic Clinical Fellowship, University of Michigan Medical School, Ann Arbor, Michigan</td>
</tr>
<tr>
<td>FP6 programmes</td>
<td>Diagnosis of acute HCV infection Genome-based therapeuthic drugs for depression Eating-out habits</td>
</tr>
</tbody>
</table>
In the context of international educational and scientific projects and programs, the Office for International Relations plays an important role. The Office exchanges information and coordinates affairs with the School's Centre for Translational and Clinical Research, which is primarily responsible for disseminating information on international projects and reporting them. The Office for International Relations also systematically provides information on opportunities, encourages and facilitates mobility of PhD candidates.

The School is in agreement with the European Charter and the Code for Researchers and implements its principles and charters. Understanding of the Charter and the Code is a compulsory part of curriculum for PhD candidates.

Institutional support for PhD candidates to participate in international scientific conferences is described in Chapter 3. Each year, the best PhD candidates at PhD Day participate in the International Doctoral Competition in Prague.

All PhD theses in the PhD programme in English are written in English. PhD candidates in the PhD programme in Croatian also have this opportunity, if they have a foreign co-mentor.

PhD candidates can write their PhD theses using the Scandinavian model, in accordance with the provisions of the Regulations on PhD Programmes of the University and the School.

The School has a number of international collaboration agreements which include joint scientific research and exchange of teachers and PhD candidates. Examples of selected international agreements are:

- Collaboration Agreement between the School of Medicine and the University of Ljubljana, Slovenia,
- Collaboration Agreement between the School of Medicine and the University of Pecs, Hungary,
- Collaboration Agreement between the School of Medicine and the Medical College of Wisconsin, Milwaukee, USA,
- Collaboration Agreement between the School of Medicine and the University of California, San Francisco, USA,
- Collaboration Agreement between the School of Medicine and the University of Georgia College of Public Health, USA.

A.4.1.7. Employability of Doctors of Science
The contextual framework, primarily the economic situation in the Republic of Croatia, affects the low funding of approved projects of scientifically productive leading researchers, which in turn makes it difficult to recruit an adequate number of young researchers on top-rated projects. This also affects the lack of funds to procure equipment and conduct research. There are also insufficient initiatives to send postdoctoral fellows to compulsory residency at internationally respected institutions.

The described situation also affects the employment of young scientists at the School. The School of Medicine, as a responsible scientific institution, is committed to recruitment of young scientists, stimulating interest in research and stay in Croatia, and the return of Croatian scientists from abroad. This is a prerequisite for improving scientific work in biomedicine, which can influence the better position of science and universities in society and contribute to improving Croatia's competitiveness.

Most PhD candidates are employed in healthcare full-time, which prevents them from studying full-time. This challenge can only be resolved by common agreement between the governing ministries responsible for science, higher education and health and subsequent changes in legislation. This would strengthen the high level of research collaboration between basic biomedical sciences and clinical research departments.

PhD candidates find employment in the healthcare system, in the scientific and academic sphere, at the University and the School of Medicine, in the pharmaceutical and biotechnology industry, in government agencies and bodies whose activities are in the field of health, biomedicine, science and technology.

A.4.2. DESCRIPTION OF THE METHOD OF PARTICIPATION BY DOCTORAL STUDENTS IN PROCEDURES OF EVALUATION OF THE PROGRAMME OF THE DOCTORAL STUDY

The mechanisms for quality control and monitoring of the PhD programme and mentoring are at the level of the University of Zagreb and at the School level. At the University level, PhD students are required to submit an Annual Doctoral Progress Report (university form DR.SC-04) each academic year, in which the PhD student evaluates not only the programme and teachers in the previous year but also the mentor. At the School level, an additional form of PhD programme evaluation has been established, consisting of exit surveys for completed PhDs. This survey is being conducted from the academic year 2018/2019.


PROCEDURES FOR EVALUATION AND SELF-EVALUATION

In order to establish and implement a quality system, the Faculty has selected a model based on the Standards and Guidelines for Quality Assurance in the European Higher Education Area (ESG).

The bodies responsible for ensuring the quality system at the leadership and decision-making levels are the Dean, the Dean’s Council and the Faculty Council. The bodies responsible for ensuring the quality system at the advisory level are the Boards and Committees of the School. Management and responsibility for quality assurance at the executive and performance levels is put on the heads of departments, course councils, programme coordinators and heads of the School’s administrative and professional services. The Quality Promotion Committee is a special body of the School and its members
are representatives of internal and external stakeholders. The responsibilities and tasks of the Committee include an advisory role and coordination in promoting the quality culture and quality assurance of the School, in collaboration with the Higher Education Agency, the Board and the Office of Quality of the University of Zagreb and international partners.

Several international and external evaluation processes have been carried out at the School of Medicine in recent years, which have included the evaluation of the PhD programme “Biomedicine and Health Sciences” as well:

- The "Peer" mission of the European Commission visited the School in 2007 as part of the negotiations for Croatia's accession to the European Union and in 2012 as part of monitoring Croatia before joining. Both missions evaluated all levels of education: graduate, postgraduate and specialist training.

- The National Council for Higher Education had initiated the School's external evaluation process at the end of 2008 and, on the basis of the Final Report, the School received a work permit in early 2009. The Final Report states the following (citation): “The evaluation of the School of Medicine at the University of Zagreb has shown that this higher education institution meets all the requirements and standards in the educational, scientific and professional field. The School of Medicine is a well-organized institution that is constantly improving its teaching activity, raising the quality of its programmes and investing in its scientific recognition.”

- Following the decision of the Agency for Science and Higher Education from 2011, the School of Medicine was selected as one of the three faculties of the University of Zagreb, where an internal and external evaluation of the quality assurance system was carried out according to the ESG guidelines. Based on the final report, in 2013, the School received the Agency’s certificate for an efficient, developed and functionally organized quality assurance system.

- The re-accreditation process of the School of Medicine was conducted in 2015. The Final Report states: “Each study program is defined in accordance with clearly defined learning outcomes and international standards. The institution of higher education has established mechanisms for approving, monitoring and improving its programs and qualifications. Rating: Fully implemented.”

According to the Regulations on PhD Programmes of the School of Medicine, the Council for Postgraduate Programmes, and its Board for Evaluation of Postgraduate Programmes are responsible for coordinating and harmonizing benchmarks in the postgraduate programme design and evaluation process. The Council and its boards keep records and oversee the PhD research activities and other study responsibilities of PhD candidates, assisted by the Board for PhD Theses and Scientific Degrees. In addition, the Council, with the assistance and support of the Board for PhD Theses and Scientific Degrees, monitors the mentors’ workload and performance. The monitoring criteria include the scientific production of teachers and PhD candidates, the relevance and quality of PhD programmes, indicators of study duration, the annual number of new PhDs in relation to the number of PhD candidates and the achieved international collaboration.

The Faculty has several mechanisms for continuous and periodic quality monitoring and assessment of the PhD programme.

**Annual report of mentors and PhD candidates**

In accordance to the decision of the Faculty Council of the School of Medicine of 24 September, 2013, and the Regulations on PhD Programmes, University of Zagreb, submission of annual reports on the work of mentors and PhD candidates is a condition for enrolment in the subsequent year of the PhD programme.
The PhD candidates submit the report on the work through the online database of PhD candidates - OBAD to the University of Zagreb, at: http://doktorski.unizg.hr/obad via the form DR.SC.-04.

The mentors submit their work report via the form DR.SC.-05, but not through OBAD. The mentor submits the signed report in writing to the Department for Postgraduate Programmes prior to enrolment in the next year.

Assessment of the PhD candidate's scientific activity

During the programme, candidates are required to accumulate a certain number of ECTS points related to their scientific activity. From the academic year 2016/2017 a new on-line scoring system was introduced in which students input their publications and track their scientific activities, and PhD Programme Coordination Committee oversees and evaluates their scientific activity through this system. Between October 2017 and February 2019, the scientific activity of 94 PhD candidates was evaluated, 9 of which were evaluated negatively.

School survey on teaching quality

After each course, the quality evaluation is conducted electronically through the survey available at https://tinyurl.com/y7agh69x. This internal anonymous and voluntary survey is conducted sporadically, and the results show that PhD candidates rate teachers' quality and teaching performance very highly (described previously). At the end of the academic year, the results are communicated to the leaders of each individual course as well as to the members of the PhD Programme Coordination Committee.

Exit Survey

Evaluation of the entire programme based on an exit survey (attachment 2.3) is being conducted electronically for the purpose of the PhD programme evaluation from the academic year 2018/2019.

PhD Day

Since 2012, the School of Medicine in Zagreb has been organizing a PhD Day every year as a compulsory part of the PhD Programme Biomedicine and Health Sciences. The aim of this event is to adapt the programme to European standards as much as possible. The purpose of holding a day like this is to improve the accessibility of the public to PhD programmes, facilitate and encourage the exchange of research experiences of PhD candidates and mentors, and insight into the quality of work of PhD candidates for all interested parties. The gathering is attended by representatives of the University of Zagreb Rectorate, guests from other faculties and universities, and sometimes by distinguished representatives of the Croatian Academy of Sciences and Arts and the Ministry of Science and Education.

It is a one-day public presentation of preliminary research results within PhD theses of the second and third year of study in the form of displayed poster presentations and abstracts published in a special publication. In addition, the programme coordinators select some of the best abstracts for oral presentation. Preparation and participation in the PhD Day grants 4 ECTS credits to each active participant. It is also an excellent opportunity to evaluate research activity of the programme and an occasion to evaluate the quality of the programme itself. At the same time, it is also a transferable skills workshop: poster design, presentation and public defence of work in front of colleagues, teachers and guests as well as overview and analysis of peer research.
A.5. LIST OF COURSES/MODULES

ORDINAL NUMBER: 1

TITLE OF COURSE/MODULE: Medical image analysis

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Assist. Prof. Stanko Težak

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Margareta Dobrenić
Darko Grošev
Maja Hrabak Paar
Sanja Kusačić Kuna
Mario Medvedec
Andrea Mutvar
Ratimir Petrović
Frano Poljak
Stanko Težak

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 30

OUTLINE OF COURSE/MODULE CONTENT

Technical and clinical aspects of use of computers in medical diagnosis. Fields in which computers contributed to the extraction of quantitative and qualitative data from the imaging patient studies and enabled extraction of information about physiological and metabolic processes. Pathophysiological and pharmacological foundation, instrumentation, i.e. systems for acquisition of image and other relevant data and quality control. Presentation of acquisition protocols and image and data analysis. Algorithms for reconstruction, analysis and data enhancement, i.e. images, as well as clinical results obtained by these procedures. Criteria that differentiate normal from pathological findings, possible problems and mistakes during image and data interpretation. Fields of use: 2d static and dynamic scintigraphy of various organs of human body. ECG synchronized cardiac studies. Digital image filtration methods. Functional and parametric images. Computerized transmission (CT) tomography and emission tomography (SPECT). Principles and methods of nuclear magnetic resonance imaging. Measurement of whole body radioactivity as well as analysis of these data as pertained to internal dosimetry and radiation protection. Computer techniques in medical and accidental dosimetry. Computer analysis of complex energy spectra – gamma spectroscopy. Methods for radionuclide blood flow measurement. Radiology data analysis. Computers in radiotherapy. Osteodensitometry. Computer analysis in cytology. Digital analysis of echograms. Quality control of instrumentation, of diagnostic procedures and software packages. Inter-laboratory quality control.

READING LIST (MANDATORY AND RECOMMENDED)

- Cherry SR, Sorenson JA, Phelps ME. Physics in Nuclear Medicine, Saunders, Philadelphia 2003
- Bushberg JT, Seibert JA, Leidholdt EM, Boone JM. The Essential Physics of Medical Imaging. Williams & Wilkins, Philadelphia 2001

DESCRIPTION OF INSTRUCTION METHODS: lectures

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written and oral exam
DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 4,5
ORDINAL NUMBER: 2

TITLE OF COURSE MODULE: Biochemical methods in biomedical research

STATUS OF COURSE MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE MODULE TEACHER: Professor Jasna Lovrić, PhD; Associate Professor Dunja Rogić, PhD

NAMES OF COURSE MODULE TEACHER ASSOCIATE TEACHER:

Drago Batinić
Tamara Božina
Danijela Čvijanović
Vladimir Damjanović
Sanja Davidović Mrsić
Ivančica Delaš
Ksenija Fumić
Marija Gamulin
Lovorka Grgurević
Ivana Karmelić
Ana Kozmar
Vesna Kušec
 Jasna Lovrić
Miľa Lovrić
Daria Pašalić
Slavica Potočki
Dunja Rogić
Jadranka Sertić
Dragana Šegulja
Željka Vogrinc

LANGUAGE OF INSTRUCTION IN COURSE MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 35

OUTLINE OF COURSE MODULE CONTENT

The goal of the course is to teach student about the application and possibilities of analytical methods used in biomedical research (methods of chromatography, mass spectrometry, electrophoretic methods, enzyme immunoassay, protein and lipoprotein phenotyping, immunoblot, cancer cytogenetics, application of proteomics in biomedicine) as well as the ways of scientific evaluation in biochemical and molecular research. Knowledge gained on the course will help students in the selection of appropriate methods for doctoral thesis as well as to critically follow the literature in biochemistry and clinical chemistry. The aim is to introduce to students the possibilities of contemporary medical biochemistry laboratory - from the blood test to molecular diagnostics as well as its application in translational research.

READING LIST (MANDATORY AND RECOMMENDED)

- Biochemical methods in biomedical research, manual, 2015 Medicinska naklada, in press

DESCRIPTION OF INSTRUCTION METHODS: Lecture, seminar, practical

DESCRIPTION OF COURSE MODULE REQUIREMENTS: Final written exam
DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 5
ORDINAL NUMBER: 3

TITLE OF COURSE/MODULE: Disorders of adrenal gland

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Associate Professor Darko Kaštelan, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Tina Dušek
Darko Kaštelan

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 15

OUTLINE OF COURSE/MODULE CONTENT
The course covers basic knowledge about hormonal tests for diagnosing adrenal gland disorders, adrenal tumors including adrenocortical carcinoma, hypertension caused by oversecretion of adrenal gland hormones, congenital adrenal hyperplasia and adrenal insufficiency. Furthermore, special attention will be paid on adrenal incidentalomas as improvements in imaging techniques and advances in their availability increased detection of these tumors in the population making their management an extremely important aspect of health care. Within the practical work sessions students will be encouraged to discuss diagnostic and treatment plan for selected patients with adrenal gland disorders.

READING LIST (MANDATORY AND RECOMMENDED)
- D. G. Gardner, D. Shoback. Greenspan’s Basic & Clinical Endocrinology
- D. Longo, A. Fauci, D. Kasper, S. Hauser, J. Jameson, J. Loscalzo, Harrison’s Principles of Internal Medicine

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Oral exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2
ORDINAL NUMBER: 4

TITLE OF COURSE/MODULE: Gene targeting in mammals

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Srećko Gajović, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Marija Ćurlin
Srećko Gajović
Dinko Mitrečić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 10

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)


DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars and practicals

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 1,5
ORDINAL NUMBER: 5

TITLE OF COURSE/MODULE: Diabetes and pregnancy

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Josip Đelmiš, MD, PhD, Prof. Marina Ivanišević, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Josip Đelmiš
Mislav Herman
Marina Horvatiček
Marina Ivanišević
Josip Juras
Emilja Juretić
Ivana Pavlić Renar
Vito Starčević

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 19

OUTLINE OF COURSE/MODULE CONTENT

READING LIST (MANDATORY AND RECOMMENDED)

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars and practicals

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Oral and writing exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
ORDINAL NUMBER: 6

TITLE OF COURSE/MODULE: Diagnostic and treatment of female urinary incontinence

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Slavko Orešković, MD, PhD

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Držislav Kalafatić
Slavko Orešković
Marina Šprem Goldštajn
Tomislav Župić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 15

OUTLINE OF COURSE/MODULE CONTENT

READING LIST (MANDATORY AND RECOMMENDED)

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
ORDINAL NUMBER: 7

TITLE OF COURSE/MODULE: Experimental oncology: malignant diseases as persistent oxidative stress

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Neven Zarkovic, PhD, research advisor

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER: Neven Žarković

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

Basic research in oncology, relevance and applicability. Experimental carcinogenesis - basic terms and principles of in vitro and in vivo models. The role of iron in cell growth control and carcinogenesis. UV-irradiation. Molecular basis of malignant transformation, the roles of (proto)oncogenes, suppressor genes and regulatory cytokines - similarities and differences of signal transduction between normal and malignant cells. Oxidative stress in carcinogenesis, diagnostics and therapy of cancer - growth modulation by the lipid peroxidation products with special attention given to the role of "second messengers of free radicals" such as 4-hydroxynonenal (HNE). Malignant diseases as systemic disorders, metabolic changes caused by cancer. Inflammation and cancer, possible roles of granulocytes in carcinogenesis and defense against cancer. Interactions between regenerating tissue and tumors, induction of tumor cells differentiation, phenomenon of reversion and spontaneous regression of cancer. Yeast as a model for the animal cell growth regulation under stress. Alternative and complementary approaches to cancer therapy. New diagnostic and therapeutic possibilities in oncology. Preparation of active form of 4-hydroxynonenal (HNE), mediator of oxidative stress and its' toxic effects in vitro.

READING LIST (MANDATORY AND RECOMMENDED)

- Anne Negre-Salvayre et al. PATHOLOGICAL ASPECTS OF LIPID PEROXIDATION. Free Radical Research, 2010, 44:1125-1171
- Lidija Milkovic, Ana Cipak Gasparovic, Neven Zarkovic OVERVIEW ON MAJOR LIPID PEROXIDATION BIOACTIVE FACTOR 4-HYDROXYNONENAL AS PLURIPOTENT GROWTH REGULATING FACTOR. Free Radical Research, 2015, 49: 850-860
• Višnja Stepanić, Ana Ćipak Gašparović, Koraljka Gall Trošelj, Dragan Amić,
• Neven Žarković SELECTED ATTRIBUTES OF POLYPHENOLS IN TARGETING OXIDATIVE STRESS IN CANCER. Current Topics in Medicinal Chemistry, 2015,15: 496-509
• Bauer, G., Zarkovic, N. REVEALING MECHANISMS OF SELECTIVE, CONCENTRATION-DEPENDENT POTENTIALS OF 4-HYDROXY-2-NONENAL TO INDUCE APOPTOSIS IN CANCER CELLS THROUGH INACTIVATION OF MEMBRANE-ASSOCIATED CATALASE. Free Radical Biology and Medicine, 2015, 81:128-144

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical courses
DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Activities during the course, short written seminar

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
**Ordinal Number:** 8

**Title of Course/Module:** Electrophysiological techniques in medical research

**Status of Course/Module (Required/Elective):** elective

**Name of Course/Module Teacher:** Assoc. Prof. Diana Delić-Brkljačić, MD, PhD, Assoc. Prof. Aleksandra Dugandžić, MD, PhD

**Names of Course/Module Teacher/Associate Teacher:**
- Jakov Ajduk
- Vanja Bašić Kes
- Vladimir Bedeković
- Mario Cifrek
- Krsto Dawidowsky
- Diana Delić Brkljačić
- Aleksandra Dugandžić
- Božidar Ferek Petrić
- Ana Branka Jerbić
- Magdalena Krbot-Skorić
- Šime Manola
- Davor Puljević
- Mihael Ries

**Language of Instruction in Course/Module:** Croatian or English, as required

**Number of Instruction Hours:** 28

**Outline of Course/Module Content**

Basic principles of neuroscience and introduction in physiology and electrophysiology, clinical electromyography, surface electromyography, evoked potentials, brain computer interface, otoneurophysiology of evoked potentials of cochlea, electrophysiological mechanism of hearing, electrophysiological examination of the heart, invasive electrophysiology of the heart.

**Reading List (Mandatory and Recommended)**


DESCRIPTION OF INSTRUCTION METHODS: Lectures, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 4
ORDINAL NUMBER: 9

TITLE OF COURSE/MODULE: Endocrine tumors of gastrointestinal tract and pancreas

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Assist. Prof. Maja Cigrovski Berković, MD, PhD; Prof. Vanja Zjačić-Rotkvić, MD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Nikola Bulj
Maja Cigrovski Berković
Sanja Kapitanović
Božo Krušlin
Vanja Zjačić-Rotkvić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 12

OUTLINE OF COURSE/MODULE CONTENT

Lectures: Neuroendocrine tumors of the digestive system and pancreas (GEP-NET). Differential diagnosis of hypoglycemic conditions and diarrhea. Biology GEP-NETs. Genetics of neuroendocrine tumors of the gastrointestinal tract and pancreas-personalized medicine in oncology. Classification of GEP-NETs. Diagnostic methods in GEP-NETs- application of radionuclides in the diagnosis of neuroendocrine tumors. Treatment options for symptomatic GEP-NETs. Treatment options for non-functional GEP-NETs. In the two sessions working in a small group discussed will be cases from clinical practice. Suggested topics will change over time, and it will be possible, with respect to group’s special interest to include a topic of choice. Participants will be given a specific literature when discussing the cases. The course will end with journal club reflecting the controversies in the diagnosis and treatment of GEP-NETs.

READING LIST (MANDATORY AND RECOMMENDED)


Fitzgerald TL, Dennis SO, Kachare SD, Vohra NA, Zervos EE. Increasing incidence of duodenal neuroendocrine tumors: Incidental discovery of indolent disease?


**DESCRIPTION OF INSTRUCTION METHODS:** Recent reviews and scientific publications from the field selected by lecturers

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Lectures, seminars and Journal club (practical work)

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 1,5
ORDINAL NUMBER: 10

TITLE OF COURSE/MODULE: Epidemiologic methods in research

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): ELECTIVE

NAME OF COURSE/MODULE TEACHER: Assoc. Prof. Nataša Antoljak, MD, PhD, Prof. Zvonko Šošić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Nataša Antoljak
Marijan Erceg
Mario Šekerija
Zvonko Šošić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 32

OUTLINE OF COURSE/MODULE CONTENT

Introduction to epidemiology and its application in public health, clinical work, pharmacological research, as well as the understanding of evidence-based medicine. The general epidemiological principles. Epidemiology and natural history of disease. Epidemiological concept in medicine. Epidemiological variables. Scientific epidemiological terminology. The incidence and prevalence of the disease. Measures of the frequency and extent-general, specific, standardized. Meaning, value and accuracy of incidence and prevalence measures. Using the incidence and prevalence measures. Related behavior and statistical, causal, connection criteria, measures of connectivity. The concept of risk and causation. The absolute, relative and attributable risk, the OR-odds ratio. Descriptive and analytical epidemiological methods: a description of the case, the description of the series (lower) cases, the incidence and prevalence studies, prospective and retrospective studies, transversal and longitudinal studies, "case-control" and cohort studies. Experimental methods-randomized controlled clinical trial, controlled field experiments. A systematic literature review and meta-analysis. Selecting an appropriate study design. Errors, sources of error (random, systematic bias, confounding). Survey of epidemiological studies and methods for improving security response. Sources of public health data for epidemiological research and work in public health institutions. The use of registries and other sources of epidemiological, public health data bases, and other data related to health. Analysis and explanation of study results and decision making. Strategies to solve complex problems. Diagnostic tests and timely diagnosis. The early diagnosis. Interpretation of diagnostic data. Early treatment and compliance of patients. Methods of ensuring the population responds to a mass screening procedure or research. Ethical issues in research and the use of public health and personal medical information, informed consent, ways of informing.

READING LIST (MANDATORY AND RECOMMENDED)

- Rothman KJ and Greenland S [Eds.]: "Modern Epidemiology, 2nd Ed." Lippincott Williams & Wilkins, 1998

**Description of Instruction Methods:** lectures, seminars, practical work, group work

**Description of Course/Module Requirements:** Written presentation of one research study (epidemiologic or clinical), oral presentation and defence of work.

**Description of Monitoring of Teaching Quality**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**Appointed ECTS:** 4
ORDINAL NUMBER: 11

TITLE OF COURSE/MODULE: Epigenetics

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Maja Vlahović, MD, PhD, Assist. Prof. Nino Sinčić

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Floriana Bulić Jakuš
Ana Katušić Bojanac
Tamara Nikuševa Martić
Frane Paić
Nino Sinčić
Maja Vlahović

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 17

OUTLINE OF COURSE/MODULE CONTENT

READING LIST (MANDATORY AND RECOMMENDED)

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical, journal club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam (essay), Oral exam (discussion)

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x
APPOINTED ECTS: 2,5
ORDINAL NUMBER: 12

TITLE OF COURSE/MODULE: Pharmacogenomics

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Associate Professor Nada Božina, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Ana Alfirević
Nada Božina
Tamara Božina
Silvija Čuković Čavka
Mila Lovrić
Nikica Mirošević Skvrce
Martina Rojnić Kuzman

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT
Pharmacogenetics - pharmacogenomics; Polymorphism of metabolic enzymes phase I. - cytochrome P450 (CYP) and their role in the variability of pharmacokinetic parameters, the effectiveness and side effects: drugs with a narrow therapeutic window (CYP2C9, CYP2C19, CYP2D6). The metabolic phenotype and therapeutic drug monitoring - optimization of therapy: efficacy and toxicity of the drug. The individualization of therapy according to genotype: choosing the right drug and dose; Estimation of drug-drug interactions according to pharmacogenetic polymorphisms; The activation of prodrug: CYP2D6 and side effects of codeine/morphine, CYP2C19 and clopidogrel, interaction with proton pump inhibitors. Polymorphism of metabolic enzymes of phase II. (NAT2, TPMT, UGT, SULT); Pharmacogenomics in oncology: CYP2D6 and tamoxifen, DYPD and toxicity of 5-FU, irinotecan and UGT1A1; TPMT and thiopurine drugs, inhibitors of tyrosine kinase, the B-RAF, K-ras as predictors of efficiency. The role of the genetic variability of the ABC and SLC transporter proteins in the pathogenesis and the effectiveness of pharmacotherapies: ABC transporters and variability of pharmacokinetic / efficacy / side effect (e.g., methotrexate, tyrosine kinase inhibitor). The polymorphism of the serotonin transporter and efficacy / side-effects of serotonin reuptake inhibitors. Polymorphisms of dopamine and serotonine receptors and variability of therapy with psychotropic medication; The pharmacogenetics of coumarin anticoagulants: the importance of polymorphism of CYP2C9 and VKORC1; The pharmacogenetics of statins: polymorphisms of SLCO1A1, ABCG2 and side effects (myotoxicity-rhabdomyolysis/hepatotoxicity); Pharmacogenetics of antihypertensives: polymorphism of the renin-angiotensin system (ACE, AT1R); Hypersensitivity reactions and HLA system. Pharmacogenetics and interactions: examples of interactions with immunosuppressive agents, psychotropic drugs, antiepileptics; Pharmacogenetics and pharmacovigilance; Pharmacogenetics as a molecular autopsy; Interpretation of pharmacogenetic analyses; Critical analysis of scientific articles in the field of pharmacogenetics, and adverse drug reactions (journal club).

READING LIST (MANDATORY AND RECOMMENDED)


**DESCRIPTION OF INSTRUCTION METHODS:** lectures, seminars and practical work

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** written exam

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 3
ORDINAL NUMBER: 13

TITLE OF COURSE/MODULE: Physiology and biochemistry of the uterus in pregnancy and labor

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Marina Ivanišević, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Josip Đelmiš
Marina Horvatiček
Marina Ivanišević
Josip Juras
Saša Kralik
Vito Starčević

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 19

OUTLINE OF COURSE/MODULE CONTENT
Receptor of pregnant uterus, regulation of uterine circulation, laboratory methods of hormone level determination during pregnancy and labor, biochemistry of cervical ripening, endocrine regulation of the cervical functions during pregnancy and delivery, pharmacological aspects of inhibition and stimulation of uterine contractions, premature rupture of membrane, Biological samples collection

READING LIST (MANDATORY AND RECOMMENDED)
• Fetalna medicina i opstetricija. Đelmiš J, Orešković S. Medicinska naklada naklada 2014. (Sveučilišni udžbenik).

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practicals

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Oral, written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 14

TITLE OF COURSE/MODULE: Genomic approaches in biomedical and translational research

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Associate Professor Fran Borovečki, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Ana Borovečki
Fran Borovečki
Tomislav Domazet Lošo
Koraljka Gall Trošelj
Kristina Gotovac Jerčić
Silva Katušić Hećimović
Rajko Kušec
Nela Pivac
Jadranka Sertić
Kristian Vlahoviček

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 25

OUTLINE OF COURSE/MODULE CONTENT

Significant advances in the genomic field, achieved since the end of the Human Genome Project and complete decoding of the human genome, provided unprecedented insight into intricate mechanisms involved in genome regulation. Achievement and widespread use of advanced genomic technologies, such as sequencing of the new generation, which has led to increased use of new discoveries in the clinical environment. The advancement of new methods for fast sequencing of the long genome will facilitate the spread of genomic research and will introduce a new spectrum of affordable and fast genomic aberration analysis to a wide range of scientists. During the basic concepts relating to the human genome, the application of modern genomic methodology, as well as basic concepts of bioinformatics will be covered. Special emphasis will be given to the use of various genomic tools ranging from SNP analysis, profiling expression, epigenetics, copying variance number analysis, next generation sequencing, and new DNA sequencing methods. Practical work will include demonstrations and limited individual laboratory work in genomic contents, with emphasis on microarray and sequencing of the new generation, as well as clarification of basic bioinformatics methods in genomic research.

READING LIST (MANDATORY AND RECOMMENDED)

DESCRIPTION OF INSTRUCTION METHODS: Lectures, Seminars, Practicals

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written, oral exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 4
ORDINAL NUMBER: 15

TITLE OF COURSE/MODULE: Genotoxicological research of exposure to physical and chemical mutagens in working and living environment

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Aleksandra Fučić, MD, PhD, research advisor

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER: Aleksandra Fučić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 12

OUTLINE OF COURSE/MODULE CONTENT

Basic knowledge of effects of ionizing and non-ionizing radiation on mammalian genome. Definition of chemical mutagens according to their chemical composition and effect on the genome. Clastogens and aneugens. Methods in genotoxicology: chromosomal aberrations and in situ hybridization, in vivo and in vitro micronucleus assay, comet assay. Biodosimetry. Genotoxicological methods in assessing of the cancer risk. Application of genotoxicology in case of nuclear or chemical accidents. The interaction of physical and chemical mutagens. The phenomenon of synergism. The influence of age and sex on genome damage caused by living environment (radon, indoor emissions from building materials) and living style. Exposure to physical and chemical mutagens in the workplace. Examples of the results of biomonitoring of workers exposed to chemical mutagens such as a vinyl chloride monomer, radioisotopes and antineoplastoc drugs. The interindividual difference in response to the action of mutagens. Genomic instability as a result of ionizing radiation. Developmental genotoxicology. The impact of xenoestrogens on genome damage. Genotoxicological research in future. Closing seminar: critical analysis of a scientific paper related to the course content ("journal club").

READING LIST (MANDATORY AND RECOMMENDED)

- Hoffman GR, Sayer AM, Joiner EE, McFee AF, Littlefiled LG, Analyses by FISH of the spectrum of chromosome aberrations induced by X rays in G0 human lymphocytes and their fate through mitotic divisions in culture, Environ Mol Mutagen, 1999, 33, 94-110

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Oral exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x
APPOINTED ECTS: 1,5
ORDINAL NUMBER: 16

TITLE OF COURSE/MODULE: Human reproduction

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Dinka Pavičić Baldani, MD, PhD; Prof. Davor Ježek, MD, PhD; Tarek El-Toukhy, MBBCh, MSc, MD, MRCOG

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Maja Banović
Tarek El-Toukhy
Dusko Ilic
Davor Ježek
Yakoub Khalaf
Dinka Pavičić Baldani
Lana Škrgatić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 16

OUTLINE OF COURSE/MODULE CONTENT
Understanding of the physiology of reproduction; fertilisation, implantation and early embryonic development; the underlying causes of infertility; and the indications for assisted conception; their range of use, current limitations and future potential. Practical and clinical aspects of assisted conception: embryo selection and freezing; complications of assisted conception; success of assisted conception: predictors, quality management and regulation and the evidence-based approach to assisted conception. Principles of pre-implantation genetic diagnosis (PGD); conditions tested for; limitations and factors affecting the success rate and the evolving human embryonic stem cell technologies. Ethical and regulatory framework relating to Assisted Conception (AC) and PGD. Critical analysis of a recently published scientific paper in the field of human reproduction (JOURNAL CLUB).

READING LIST (MANDATORY AND RECOMMENDED)

- Fertility problems: assessment and treatment - nice.org.uk
  www.nice.org.uk/guidance/cg156?unlid=7513599262015620175213
• An Atlas of PGD: Verlinsky and Kuliev, 2000 Parthenon
• Kehoe, Chitty and Homfray. Reproductive Genetics, RCOG Press. 1st edition, 2009

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical work in the IVF laboratory

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
ORDINAL NUMBER: 17

TITLE OF COURSE/MODULE: Immunocytokines

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Assist. Prof. Alenka Gagro, MD, PhD, research advisor; Assist. Prof. Tomislav Kelava, MD, PhD, research associate

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Alenka Gagro
Tomislav Kelava
Alan Šućur

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 16

OUTLINE OF COURSE/MODULE CONTENT

Definition, general properties and mechanisms of action of cytokines and chemokines. Division and biological effects of immunocytokines. Receptors for cytokines and intracellular transmission of signals. Control of cytokines' secretion by transcription factors. The methods of determination of concentration of cytokines in cells and body fluids. Basic structure and function of chemokines. The synthesis, secretion and biological effects of inflammatory cytokines (IL-1, TNF-alpha, IL-6) and chemokines. The synthesis, secretion and biological effects of immunostimulatory cytokines (IL-2, IL-4, IL-12, IFN-gamma). The synthesis, secretion and biological effects of immunoregulatory (suppressive) cytokines (TGF-beta, IL-10). Subsets of Th cells (Th1, Th2, Th3, Tr1, Th9, Th17, Th22) and transcription factors important for Th-differentiation and polarization. Inhibitors of function of cytokines (anti-immunocytokines). Role of immunocytokines in pathogenic mechanisms and potential use of cytokines or their antagonists of treatment of sepsis, autoimmune, autoinflammatory and other diseases. Practicals: students will acquire the necessary knowledge of methods we use to measure cytokines (ELISA, flow cytometry, PCR, cytokine bead array), including their advantages and disadvantages. Journal club/seminar: analysis of cutting edge scientific paper published in high-ranked biomedical journal describing significant advances in an area of immunocytokines.

READING LIST (MANDATORY AND RECOMMENDED)

• Handbook „Immunocytokines“ (ed. F. Čulo, A. Gagro) (updated each year)
• The most relevant review articles in the field of immunocytokines published in Current Opinion in Immunology, Immunity, Trends in Immunology, Immunological Reviews, Nature Reviews Immunology, Annual Reviews of Immunology, etc.

DESCRIPTION OF INSTRUCTION METHODS: Lectures, practicals, seminar/journal club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
ORDINAL NUMBER: 18

TITLE OF COURSE/MODULE: Immunological recognition

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Drago Batinić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Mariastefania Antica
Drago Batinić
Danka Grčević
Zorana Grubić
Dora Višnjić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 18

OUTLINE OF COURSE/MODULE CONTENT

READING LIST (MANDATORY AND RECOMMENDED)
- Recent scientific articles related to specific topics in immunology will be used in seminars („journal club”). Students will be requested to select the article and present it during journal club;
- http://www.immunologylink.com/
- http://www.nature.com/nri/index.html

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars and „journal club”

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Article presentation during „journal club“ (50%) and participation in final discussion (50%).

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
ORDINAL NUMBER: 19

TITLE OF COURSE/MODULE: Biomaterial infections

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Jasmina Vranes, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Ana Budimir
Rok Ćivljak
Ozren Gamulin
Smilja Kalenić
Alemka Markotić
Snježana Škrablin Kučić
Jasmina Vraneš

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 18

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)


**DESCRIPTION OF INSTRUCTION METHODS:** Lectures, seminars and Journal Club.

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** written exam

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 2,5
ORDINAL NUMBER: 20

TITLE OF COURSE/MODULE: Isotransplantation of mammalian organ primordia

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Gordana Jurić-Lekić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Floriana Bulić Jakuš
Gordana Jurić Lekić
Maja Vlahović

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 17

OUTLINE OF COURSE/MODULE CONTENT
Specific isotransplantation models used in the mammalian developmental biology will be presented and such experimental approaches will be discussed in respect to their benefit for the development of regenerative medicine, tissue engineering or long-term strategy of organ bank establishment. Students will acquire basic theoretical and practical knowledge necessary for the experimentation with various mammalian organ primordia.

New experimental models such as isotransplants of the fetal epiglottis or mandible together with old models such as isotransplants of mouse and rat eyes or isolated neural retina will be presented in the practical. Stability of differentiation in these models at the light microscopy (classical histology, immunohistochemistry) and electron microscopy level will be analyzed. In a concluding seminar (journal club) a recent scientific article dealing with this topic will be critically analyzed.

READING LIST (MANDATORY AND RECOMMENDED)


DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical demonstration, journal club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written and oral exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
**ORDINAL NUMBER:** 21

**TITLE OF COURSE/MODULE:** How to become a neuron?

**STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE):** elective

**NAME OF COURSE/MODULE TEACHER:** Professor Srećko Gajović, MD, PhD

**NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:**
Marija Ćurlin
Srećko Gajović
Marija Heffer
Dinko Mitrečić
Marina Radmilović

**LANGUAGE OF INSTRUCTION IN COURSE/MODULE:** Croatian or English, as required

**NUMBER OF INSTRUCTION HOURS:** 21

**OUTLINE OF COURSE/MODULE CONTENT**
The aim of the subject is understanding mechanisms of nervous system development, and the basis of birth defects. Importance of neural stem cells in developing and adult brain would be clarified. The mechanisms of spatial patterning and cell identity determination during nervous system development will be introduced. Students would get insight in experimental applications used for investigating the genetical basis and morphogentic mechanisms of nervous system development. Specific emphasis will be given to the therapeutic potentials of neural stem cells.

**READING LIST (MANDATORY AND RECOMMENDED)**

**DESCRIPTION OF INSTRUCTION METHODS:** seminars and practicals

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** written exam

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 3
ORDINAL NUMBER: 22

TITLE OF COURSE/MODULE: Hand surgery

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Assoc. Prof. Rado Žic, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Stjepan Barišin
Dubravka Bobek
Boris Brkljačić
Srećko Budi
Krešimir Bulić
Gordana Ivanac
Krešimir Martić
Franjo Rudman
Zlatko Vlajčić
Rado Žic

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 25

OUTLINE OF COURSE/MODULE CONTENT
Participants will be informed through lectures, seminars and practical work about hand surgery historical overview, clinical anatomy and biomechanics, diagnostic methods, regional and general anesthesia in hand surgery, hand surgery of congenital malformations, tumors and infections of the hand, tendon injuries, fractures and dislocations of the carpus bones and phalanges, complex hand injuries, reconstruction and replantation, compresive neuropathies, Dupuytrens contracture, osteoarthritis, rheumatoid arthritis, vascular changes, systemic diseases affecting the hand, regional pain syndromes and reflex sympathetic dystrophy (RSD), hand therapy and rehabilitation.

READING LIST (MANDATORY AND RECOMMENDED)
- Smith P. Lister’s The Hand Diagnosis and Indications-fourth edition.London-Toronto: Churchill Livingstone 2002
- Journal of Hand Surgery, official publication of the American Society for Surgery of the Hand
- Stanec Z. i suradnici. Handouts Hand Surgery I and II, University Hospital «Dubrava» Zagreb, 1997 revised in 2003

DESCRIPTION OF INSTRUCTION METHODS: lectures, seminars, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Oral (journal club), Written (30 MCQs)

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7aghf69x

APPOINTED ECTS: 3,5
ORDINAL NUMBER: 23

TITLE OF COURSE/MODULE: Surgical therapy of pituitary tumors

STATUS OF COURSE/MODULE (REQUERIED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Darko Kaštelan, MD, PhD; Tomislav Sajko, MD, PhD, senior research associate

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Tina Dušek
Darko Kaštelan
Hrvoje Ivan Pećina
Tomislav Sajko

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 15

OUTLINE OF COURSE/MODULE CONTENT

Current methods of diagnosis, research and treatment of pituitary tumors. Pathogenesis of the pituitary adenoma and other tumors of the sellar region and classification of the pituitary tumors according to the WHO. Biogical markers of pituitary tumors. Neuroradiological (CT and MR) evaluation of the tumor and surrounding anatomical structures. Overview of the current therapeutical options and trends: surgical minimally invasive concept, irradiation especially “gamma knife” therapy, drug therapy, gene therapy. Development and current trends in surgical treatment with the accent on “minimally invasive” concept. Transsphenoidal microsurgical approach to sellar region tumors as a method of choice. Role and position of endoscope in surgery of the sellar region tumors. Intraoperative visual, radiological, biochemical, and pathohystological monitoring. Clinical and molecular indicators of the pituitary tumors invasiveness. Postoperative clinical, biochemical, and neuroradiological follow-up of patients with surgically removed pituitary tumors. Choice of therapy in case of proven residue or recurrent pituitary tumor. Final seminar for which students are to find international literature on their own, titled: “Latest international consensus on therapy method of choice and standardization of therapy results. Planned practical work will be held in the operating room, and the seminars will be accompanied with video presentations and other audio-visual aids.

READING LIST (MANDATORY AND RECOMMENDED)


DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, "journal club", practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2
ORDINAL NUMBER: 24

TITLE OF COURSE/MODULE: Clinical neuropharmacology

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Maja Relja, MD, PhD

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Fran Borovečki
Ivana Jurjević
Nataša Klepac
Zdravko Lacković
Alma Mihaljević Peleš
Vladimir Miletić
Maja Relja
Melita Šalković Petrišić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 30

OUTLINE OF COURSE/MODULE CONTENT
Introduction to clinical neuropharmacology, pharmacodynamics, neurotransmitters and receptors, good clinical practice, movement disorders: specific therapy, neuropharmacology in pregnancy, quantification of neurologic symptoms: rating scales, therapy of neurodegenerative disorders: cognition and movement disorders, vascular dementia, MCI, neuromuscular disorders - motoneuron disease, Botulinum toxin in neurology: current therapy, pain and headache-new therapeutic approach, Botulinum toxin in clinical therapy, metabolic disorders, hepatolenticular degeneration, sleep disorders/RLS, hypo and hyperkinesia (Parkinson's disease, ET, HC, dystonia). New approach to therapy of neurodegenerative disorders: Duodopa pump, Apomorphine pump, DBS, 'stem cells'

READING LIST (MANDATORY AND RECOMMENDED)
- Laković Z Neurotransmitori u zdravlju i bolesti Medicinski fakultet 1997
- Noseworthy JH (ed) Neurological Therapeutics Principle and Practice, Martin Duniz London NY 2013
- Scientific Journals: Clinical Neuropharmacology, Neurology, Lancet

DESCRIPTION OF INSTRUCTION METHODS: Lecture, seminar, video seminars, workshop, discussion group, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 4,5
ORDINAL NUMBER: 25

TITLE OF COURSE/MODULE: Clinical nutrition

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Sanja Kolaček, MD, PhD, Iva Hojsak, MD, PhD, senior research associate

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Iva Hojsak
Oleg Jadrešin
Sanja Kolaček
Željko Krznarić
Zrinjka Mišak
Tena Niseteo
Darija Vranešić Bender

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 32

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)


**DESCRIPTION OF INSTRUCTION METHODS:** Lectures, seminars, practical work, critical analysis of selected scientific paper related to the subject ("journal club").

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** written exam - with different types of questions (3 questions from every subject presented)

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 5
ORDINAL NUMBER: 26

TITLE OF COURSE/MODULE: Clinical psychopharmacology

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Miro Jakovljević MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Dražen Begić
Igor Filipčić
Miro Jakovljević
Zdravko Lacković
Darko Marčinko
Vesna Medved
Alma Mihaljević Peleš
Marina Šagud

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 25

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)

- Kaplan&Sadock ‘s: Comprehensive textbook of psychiatry, nineth ed., 2009
- Jakovljević M. Schizophrenia in theory and practice Pro mente 2011
- Jakovljević M. Serotonin and depression, myths and facts. Pro mente 2013

DESCRIPTION OF INSTRUCTION METHODS: lectures, seminars, practical work, journal club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: seminar work and written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3,5
ORDINAL NUMBER: 27

TITLE OF COURSE/MODULE: Clinical laboratory diagnostics of malignant melanoma with special reference to molecular-biological diagnosis assessment

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Mirna Šitum, MD, PhD

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Nikola Đaković
Sonja Levanat
Liborija Lugović Mihić
Ivan Šamija
Mirna Šitum

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 12

OUTLINE OF COURSE/MODULE CONTENT
Basic characteristics of malignant melanoma (MM): risk factors for MM development (sun exposure and skin reaction, phenotype, familial melanoma, melanocytic nevi, occupation and social status, gender and hormonal factors) and measures of prevention. Tumorigenesis, tumor progression, apoptosis and pathogenesis, genetics – signal pathways in family melanoma (our researches). Precursor lesions and types of MM (superficial spreading melanoma, acral melanoma, lentigo maligna melanoma, nodular melanoma). Clinical detection of melanoma (ABCDE rule). The role of dermatoscopy in diagnostics. Molecular diagnostics of early dissemination of melanoma. Value of PET – CT method in metastasis detection. Follow-up and evaluation in MM patients according to the most recent protocols (experience of the Referral Centre for Melanoma MZS - RH. Review of current knowledge and articles with critical analysis

READING LIST (MANDATORY AND RECOMMENDED)


**Description of Instruction Methods:** lectures

**Description of Course/Module Requirements:** oral exam

**Description of Monitoring of Teaching Quality**
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**Appointed ECTS:** 2
ORDINAL NUMBER: 28

TITLE OF COURSE/MODULE: Bone morphogenetic proteins in regeneration of bone and cartilage

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Slobodan Vukičević, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Dragan Đurđević
Igor Erjavec
Mislav Jelić
Snježana Martinović
Ruđer Novak
Martina Pauk
Mihaela Perić
Slobodan Vukičević

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 14

OUTLINE OF COURSE/MODULE CONTENT

READING LIST (MANDATORY AND RECOMMENDED)


**DESCRIPTION OF INSTRUCTION METHODS:** Lectures, seminars, practical work

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Oral exam

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 2
ORDINAL NUMBER: 29

TITLE OF COURSE/MODULE: Laboratory animals in biomedical research

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Ranko Stojković, DVM, PhD, research advisor

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Srećko Gajović
Siniša Ivanković
Darko Marković
Ranko Stojković

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

Lectures: Introduction to Laboratory Animal Science; Importance of Animal Models in Biomedical Research and Ethic of Use of Laboratory Animals; Commonly Used Laboratory Animals and Their Biological Characteristics; Genetically Defined, Microbiologically Defined and Physiologically Deficient Laboratory Animals and Their Use in Biomedical Research; Transgenic Laboratory Animals and Their Use in Biomedical Research; Look up throughout positive law regulations of RH and EU linked to breeding, housing and use of laboratory animals in biomedical research; Laboratory animals in Biomedical Research - in Pharmaceutical Industry; Pharmacodynamics, Pharmacokinetics and Toxicological Preclinical Studies in the Process of R&D of the New Drugs. Seminars/JC: The Design and analysis of in vivo experimental protocol; Alternatives to Use of Laboratory Animals throughout critical analysis of scientific article in the field of LAS (Journal club). Practical work: Guided Tour to Rudjer Bošković Laboratory Animal Unit and practical work with laboratory animals (tagging of animals, sex recognition, administration of drugs (ip, sc, ig, iv) overview of different techniques of blood sampling in laboratory animals, analgesia, anesthesia and euthanasia of laboratory animals)

READING LIST (MANDATORY AND RECOMMENDED)

- Collection of positive law regulations of RH and EU linked to breeding, housing and use of laboratory animals in biomedical research
- Jukes N, Chiuia M. (2003) From guinea pig to computer mouse : InterNiche (GB)
- Working with the laboratory dog, AALAS 2005

DESCRIPTION OF INSTRUCTION METHODS: lectures, seminars, exercises
DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 30

TITLE OF COURSE/MODULE: Laboratory approach to transplantation of haematopoietic stem cells

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Drago Batinić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Drago Batinić  
Nataša Beader  
Ines Bojanić  
Sanja Davidović Mrsić  
Branka Golubić Ćepulić  
Mila Lovrić  
Ivana Mareković  
Dragana Šegulja  
Renata Zadro

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 24

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)

- http://www.esh.org/online-training/handbook/  
Recent scientific articles related to specific topics (selected by professors)
• Recent scientific articles related to specific topics in clinical transplantation; students will be requested to select the articles and present them in seminar ("journal club");
related links:
• https://www.tts.org/
• http://www.asbmt.org/

**DESCRIPTION OF INSTRUCTION METHODS:** Lectures, seminars/"journal club“ and practicals

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Article presentation during "journal club“ (50%) and participation in final discussion (50%).

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 3,5
ORDINAL NUMBER: 31

TITLE OF COURSE/MODULE: Medical anthropology

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Academician Pavao Rudan MD, PhD, Assist. Prof. Natalija Novokmet, PhD

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Natalija Novokmet
Pavao Rudan

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

The Course consists of the following themes: Historical development of the field and its theoretical perspectives. Population structure. Molecular-biological analysis of human migrations. Examples from genetic epidemiology. Interactive processes of genetical and/or ecological in the formation of complex characteristics, with examples from different populations and different levels of analysis. Possibilities of contemporary anthropological scientific research of the population level, based upon up-to-date knowledge of population genetics, demography, human epidemiology and ecology, as well as based on individual analyses. Estimations of inter-population distances as well as presentation of analyses (in both manifested and latent space) of poly- and mono-genetically determined characteristics (both continued and discontinued). Application of holistic approach in analysis of diseases, health care systems and in theories of disease and treatment. The influence of adaptation and selection upon the physiological and pathological characteristics of humans. The influences of environmental changes and ecosystems on health and sickness. Theoretical directions of medical anthropology and its applicability in solving global health problems. On the path of reconstructing the Stamparian model. Between the population and individual/a new paradigm of anthropological-epidemiological investigations. Final seminar: Critic analysis of the science article (themed) (journal club).

READING LIST (MANDATORY AND RECOMMENDED)


DESCRIPTION OF INSTRUCTION METHODS: lectures and seminars

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 32

TITLE OF COURSE/MODULE: Evidence based medicine

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Ratko Matijević, MD, PhD, Prof. Zarko Alfirević, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Željko Alfirević
Ana Borovečki
Mirjana Huć
Robert Likić
Lovela Machala Poplašen
Ratko Matijević
Dunja Rogić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

Basic explanation of the concept "Evidence based medicine" including basic terms. History and methods of EBM. Relationship between theory and practical implementation. Benefits in clinical practice. Meta analysis. Database and access to information. Data search, analysis and assessment together with implementation of the research data in clinical practice. The adjustments of clinical practice based on EBM on the concept Management of change. Clinical governance based and assessed on the benefits of EBM. EBM in quality control process and assessment of medical technologies. Cochrane collaboration mission, Presentation of basic principles of its work and understanding of the basic terms. Data analysis and access to relevant information. Practical preparation of clinical EBM project and preparation of the changes based on the results obtained from EBM process. Practical presentation. Practical work with Cochrane databases and other bases available on the internet.

READING LIST (MANDATORY AND RECOMMENDED)

- Woodcock JD, Greenely S, Barton S. Doctors knowledge about evidence based medicine terminology. BMJ 2002;324:929-30

DESCRIPTION OF INSTRUCTION METHODS: Lectures seminars and practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam
DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 33

TITLE OF COURSE/MODULE: Medical statistics 2.1: statistical tools for medical data analysis in planned experimental study design

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): required

NAME OF COURSE/MODULE TEACHER: Professor Mirjana Kujundžić Tiljak, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Davor Ivanković
Anamarija Jazbec
Mirjana Kujundžić Tiljak
Zdenko Sonicki
Slavica Sović
Diana Šimić
Vladimir Trkulja

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 16

OUTLINE OF COURSE/MODULE CONTENT
Checking the selected analytical procedures given the planned experimental study design. Depending on the characteristic of the resulting variable, or whether it is a numerical outcome, a binary outcome, rate or survival time, it is necessary to choose an appropriate analytical method for data presentation, estimation of the intervention effect and the appropriate adjustment to the experimental conditions. Review and selection of available appropriate computer statistical tools to perform the selected analytical procedures. Practical work with the selected computer tools.

READING LIST (MANDATORY AND RECOMMENDED)
- Online manuals for R, [http://www.r-project.org/](http://www.r-project.org/)


DESCRIPTION OF INSTRUCTION METHODS: Seminars and Practicals.

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Insight into practical work.

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2
ORDINAL NUMBER: 34

TITLE OF COURSE/MODULE: Medical statistics 2.2: statistical tools for medical data analysis in quasi-experimental study design

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): required

NAME OF COURSE/MODULE TEACHER: Professor Mirjana Kujundžić Tiljak, MD, PhD

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Davor Ivanković
Anamarija Jazbec
Mirjana Kujundžić Tiljak
Zdenko Sonicki
Slavica Sović
Diana Šimić
Vladimir Trkulja

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 16

OUTLINE OF COURSE/MODULE CONTENT

Checking the selected analytical procedures given quasi-experimental design of the study as well as studies for the evaluation of interventions. Depending on the characteristics of the resulting variable, or whether it is a numerical outcome, a binary outcome, rate or survival time, it is necessary to choose an appropriate method for presenting data, estimating the intervention effect, and possibly adjusting to the initial conditions of the study. Particular attention will be given to the assessment of specific experimental design conditions that make it quasi-experimental, such as the effects of changes in time, and consequently the adjustment of analytical procedures (the disproportion of hazards, etc.), different therapies of different subgroups (interaction analysis, etc.) and other deviations from the experimental study design. In the case of quasi-experimental study design as well as in the studies for evaluation of interventions that evaluate the relationship between post-intervention, control-intervention, acceptance-non-acceptance of interventions, comparing with the classical study design, appropriate data analysis procedures will be selected and an appropriate computer statistical tool available. Practical work with the selected computer tools.

READING LIST (MANDATORY AND RECOMMENDED)

- Online manuals for R, http://www.r-project.org/

DESCRIPTION OF INSTRUCTION METHODS: Seminars and Practicals

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Insight into the practical work.

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2
ORDINAL NUMBER: 35

TITLE OF COURSE/MODULE: Medical statistics 2.3: statistical tools for medical data analysis in observational study design with large samples

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): required

NAME OF COURSE/MODULE TEACHER: Associate professor Zdenko Sonicki, MD, PhD
Professor Davor Ivanković, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Davor Ivanković
Anamarija Jazbec
Mirjana Kujundžić Tiljak
Zdenko Sonicki
Slavica Sović
Diana Šimić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 16

OUTLINE OF COURSE/MODULE CONTENT

Checking the selected analytical procedures given the observational study design with epidemiological and clinical-epidemiological characteristics. Depending on the characteristics of the resulting variable, or whether it is a numerical outcome, a binary outcome, rate, or survival time, and the type of exposure that can be binary, categorical, ordinal or numerical, it is necessary to choose an appropriate analytical method that matches the design of the study. Choosing an appropriate procedure regarding to the confounding and modifying variables. Choosing an appropriate procedure due to the sampling of the control group (random selection, frequency matching, individual matching, individual multi-matching). Review and selection of available appropriate computer statistical tools to perform the selected analytical procedures. Practical work with the selected computer tools.

READING LIST (MANDATORY AND RECOMMENDED)

- Online manuals for R, http://www.r-project.org/

DESCRIPTION OF INSTRUCTION METHODS: Seminars and practicals.

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Insight into the practical work.

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2
ORDINAL NUMBER: 36

TITLE OF COURSE/MODULE: Medical statistics 2.4: Statistical tools for medical data analysis in observational study design with small samples

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): required

NAME OF COURSE/MODULE TEACHER: Associate professor Zdenko Sonicki, MD, PhD, Professor Davor Ivanković, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Davor Ivanković
Anamarija Jazbec
Mirjana Kujundžić Tiljak
Zdenko Sonicki
Slavica Sović
Diana Šimić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 16

OUTLINE OF COURSE/MODULE CONTENT
Checking the selected analytical procedures given the observational study design with clinical and epidemiological-clinical characteristics of small samples. Depending on the characteristics of the resulting variable, or whether it is a numerical outcome, a binary outcome, rate, or survival time, and the type of exposure that can be binary, categorical, ordinal or numerical, it is necessary to choose an appropriate analytical method that matches the design of the study. Choosing an appropriate procedure regarding to the confounding and modifying variables. Choosing an appropriate procedure due to the sampling of the control group (random selection, frequency matching, individual matching, individual multi-matching). Special attention is focused on the problems of small sample analysis of unknown distribution (robust statistics, and compute intensive methods - resampling methods). Review and selection of available appropriate computer statistical tools to perform the selected analytical procedures. Practical work with the selected computer statistical tools.

READING LIST (MANDATORY AND RECOMMENDED)
- Online manuals for R, http://www.r-project.org/

DESCRIPTION OF INSTRUCTION METHODS: Seminars and practicals.

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Insight into the practical work.

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2
ORDINAL NUMBER: 37

TITLE OF COURSE/MODULE: Methods of medical informatics

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Assist. Prof. Kristina Fišter, MD, PhD, Prof. Jadranka Božikov, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Jadranka Božikov
Kristina Fišter
Magdalena Krbot-Skorić
Zdenko Sonicki

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT
Designing an electronic medical / health record (with respect to parsimonious principles, examples of practice records and research). Database formatting (use database management software on personal computers). Using publicly available databases, downloading data from them, potential and limitations of "big data" (with practical work with such data eg with HCUP databases). Predictability and classification support systems (inductive generation of rules and creation of "medical knowledge", application of decision theory, artificial neural network, examples from medicine, work on a personal computer). Evaluation of the prediction and classification support system. The role of model in understanding problem and communication, model types, methods and techniques of simulation modeling, model validation, application, potential and limitations, and examples of use in medicine and healthcare. Work with programs for designing simulation models on a personal computer (Stella and MedModel graphical user interface software). Biomedical signals and images (detection, registration, processing and screening of biomedical signals and images).

READING LIST (MANDATORY AND RECOMMENDED)
• Gamberger D. i sur. Osnovna stranica DMS projekta, Dostupno na: http://dms.irb.hr

Publications from selected scientific journals:
• Artificial Intelligence in Medicine, Computer Methods and Programs in Biomedicine, Computer and Biomedical Research, International Journal of Medical Informatics, Journal of Medical
Systems, Medical Decision Making, Medical Informatics and Internet in Medicine, Journal of the American Medical Informatics Association, Methods of Information in Medicine, Simulation Modeling Practice and Theory, EUROSIM News - Simulation News Europe, Simulation, System Dynamics Review i drugih, te zbornici radova s medicinsko-informatičkih skupova

- Manuals and instructions for using different programs and databases, such as the database of HCUP projects (Healthcare Cost and Utilization Project), available at https://www.hcup-us.ahrq.gov/nisoverview.jsp

**DESCRIPTION OF INSTRUCTION METHODS:** lectures and practical work

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** test, practice and oral exam; each student must develop an example from the area of his or her scientific interest or practice in which the learned knowledge and skills are applied and presented in the form of seminar work, and preferably published thereafter.

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 3
ORDINAL NUMBER: 38

TITLE OF COURSE/MODULE: Mechanisms of allergic reactions

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Assist. Prof. Alenka Gagro, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Krešo Bendelja
Alenka Gagro
Alemka Markotić
Nives Pustišek
Asja Stipić Marković

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 18

OUTLINE OF COURSE/MODULE CONTENT

Historical background, Coombs and Gell’s classification of allergic reactions, characteristics of immunologic diseases. Type I reactions: Anaphylaxis: active, passive, generalised, local, in vitro. Allergens. Antibodies: 1. IgE: structure and biological properties, control of synthesis, IgE receptors (FcepsilonRI, CD23), total IgE levels in health and disease; 2. other cytotoxic antibodies: IgG4. Mast cells of mucosa and connective tissue, characteristics of different types; basophils, platelets and eosinophils; mediators of type I reactions and control of mediators release. Atopy: mechanisms, immunodiagnosis and immunotherapy. Type II reactions: Mechanisms, antigens, antibodies (IgG, IgM, IgA), Fc receptors, complement, effector cells (neutrophils, monocytes/macrophages, platelets). alloimmunoreactions (post-transfusion, haemolytic disease of the newborn, transplantation); autoimmune reactions (haemolytic anaemia, organ-specific); reactions to heterologous antigens (drug hypersensitivity, cross-reactivity to pathogens); detection; immunotherapy. Type III reactions: antigens, characteristics of immune complexes (IC); physiologic role of IC, activation of effector mechanisms; experimental models and diseases (Arthus reaction, serum sickness), methods for detection of IC; immunotherapy. Type IV reactions: antigens, antigen presenting cells, effector cells (CD4, CD8, macrophages); regulation of Th1/Th2 reactions, Th17 (cytokines, neuroendocrine mediators); manifestation (contact, tuberculin, granulomatous hypersensitivity reactions); detection of delayed hypersensitivity: in vivo and in vitro; immunotherapy.

READING LIST (MANDATORY AND RECOMMENDED)

- The most relevant review articles in the field of immunocytokines published in Current Opinion in Immunology, Immunity, Trends in Immunology, Immunological Reviews, Nature Reviews Immunology, Nature Medicine, Journal of Allergy and Clinical Immunology, Annual Reviews of Immunology, etc.

DESCRIPTION OF INSTRUCTION METHODS: Lectures, practicals, seminar/journal club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam
DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
ORDINAL NUMBER: 39

TITLE OF COURSE/MODULE: Metabolic syndrome

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Lea Smirčić Duvnjak, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Miro Šimun Alebić
Tomislav Bulum
Marko Duvnjak
Martina Lovrić Benčić
Lea Smirčić Duvnjak
Dragica Soldo Jureša

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 13

OUTLINE OF COURSE/MODULE CONTENT

The class format will include lectures and seminars (with final session-journal club type discussion)
Lectures will provide a basic introduction to the field-summarize current knowledge about the prevalence, pathophysiology, diagnosis and definitions of the metabolic syndrome
For seminars, participants will be encouraged to discuss their opinion on various topics and provide a critical review of assigned reading material. Topics include, but are not limited to: metabolic syndrome and type 1 and type 2 diabetes, lipid disorders, cardiovascular disease, NASH and PCO syndrome, therapeutic approach.

READING LIST (MANDATORY AND RECOMMENDED)

- Francis W. B. Sanders, and Julian L. Griffin, “De novo lipogenesis in the liver in health and disease: more than just a shunting yard for glucose,” Biological Reviews, 2015


• Ye Liu, Rui Wei, Tian-Pei Hong. Potential roles of glucagon-like peptide-1-based therapies in treating non-alcoholic fatty liver disease. World J Gastroenterol 2014 July 21; 20(27): 9090-909

**DESCRIPTION OF INSTRUCTION METHODS:** Lectures, seminars and workshop

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** oral and written exam

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 2
**Ordinal Number:** 40

**Title of Course/Module:** Research methods of psychological functions and behavior

**Status of Course/Module (Required/Elective):** elective

**Name of Course/Module Teacher:** Professor Rudolf Gregurek, MD, PhD, Professor Alma Mihaljević-Peleš, MD, PhD

**Names of Course/Module Teacher/Associate Teacher:**
- Fran Borovečki
- Nada Božina
- Darko Chudy
- Rudolf Gregurek
- Mario Habek
- Alma Mihaljević Peleš
- Ljiljana Pačić Turk
- Maja Relja
- Marina Šagud

**Language of Instruction in Course/Module:** Croatian or English, as required

**Number of Instruction Hours:** 16

**Outline of Course/Module Content**


**Reading List (Mandatory and Recommended)**

- Course manual
- Mihaljević-Peleš A. i Šagud M. Antipsihotici u kliničkoj praksi, Medicinska naklada, Zagreb, 2012

**DESCRIPTION OF INSTRUCTION METHODS:** lectures and practicals

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Written exam

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 2
ORDINAL NUMBER: 41

TITLE OF COURSE/MODULE: Research and evaluation methods of health interventions

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Stjepan Orešković, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Stjepan Orešković
George Rutherford

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)

• Donabedian A. The definition of quality and approaches to its assessment. Ann Arbor: Health Administration Press; 1980.
• de Bruin A, Picavet HSJ, Nossikov A, editors. Health interview surveys. Towards international harmonization of methods and instruments. Copenhagen: World Health Organization, Regional Office for Europe; 1996. (WHO Regional Publications. European Series; n.o 58)

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, autonomous and team research, discussion practical

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: oral exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
TITLE OF COURSE/MODULE: Methods of investigation in vivo and in vitro

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Drago Batinić, MD, PhD; Prof. Dora Višnjić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Drago Batinić
Floriana Bulić Jakuš
Srečko Gajović
Nataša Jovanov Milošević
Gordana Jurić Lekić
Svjetlana Kalanj Bognar
Vedran Katavić
Ana Katušić Bojanac
Marijan Klarica
Ana Knezović
Rajko Kušec
Ivana Mareković
Ivica Matak
Jelena Osmanović Barilar
Nino Sinčić
Patrik Stanić
Melita Šalković Petrišić
Dora Višnjić
Maja Vlahović
Željka Vukelić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)


Useful web-pages:
• animal care: http://dels.nas.edu/ilar
• flow cytometry: http://www.cyto.purdue.edu/
• bioinformatics & in vitro protocols: http://archive.is/www.molecularstation.com
• cell culture: http://www.protocol-online.org/prot/Cell_Biology/Cell_Culture/

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars and practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 43

TITLE OF COURSE/MODULE: Methods in molecular oncology

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Sonja Levanat, PhD; Assist. Prof. Vesna Musani, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Sonja Levanat
Vesna Musani
Petar Ozretić
Maja Sabol
Diana Trnäki

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 26

OUTLINE OF COURSE/MODULE CONTENT

Lectures: The central dogma of molecular biology, a summary of the laboratory methods used to study RNA, DNA and proteins. Experimental laboratory work is most part of the course: in several terms is working in small groups, students will become familiar with the basic experimental laboratory methods used in molecular oncology. From the isolation of nucleic acids and proteins, to the methods of studying changes in nucleic acids (polymerase chain reaction - PCR, single-strand DNA sequence analysis - SSCP, melting curve analysis, nucleotide sequencing, fragmentary analysis - "gene scan"), the use of computer base database (search sequences, gene maps, databases SNPs, database specialized for particular genes, primer design, computer processing data obtained by sequencing and fragmentation analysis), quantitative real-time PCR, immunohistochemistry methods, the cell cycle analysis by flow cytometry – FACS and basic brief overview of biostatistical methods.

READING LIST (MANDATORY AND RECOMMENDED)

- Students are expected to supplement sources, the selection of scientific work by self-interest

DESCRIPTION OF INSTRUCTION METHODS: Lectures, practical work, seminars
DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Closing seminar: critical analysis of a selected scientific paper related to the course content ("journal club").

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 4
ORDINAL NUMBER: 44

TITLE OF COURSE/MODULE: Methods of molecular biology in medicine

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Floriana Bulić-Jakuš MD, PhD, Professor Jadranka Sertić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Drago Batinić
Fran Borovečki
Zrinka Bošnjak
Nada Božina
Tamara Božina
Ana Budimir
Floriana Bulić Jakuš
Nina Canki Klain
Sanja Davidović Mrsić
Klara Dubravčić
Aleksandra Fučić
Ksenija Fumić
Ivana Furač
Mirna Golemović
Lovorka Grgurević
Alan Ivković
Davor Ježek
Ana Katušić Bojanac
Jasna Lovrić
Hana Ljubić
Sanja Mazić
Ana Merkler
Dinko Mitrečić
Tamara Nikuševa Martić
Frane Paić
Margareta Radić Antolić
Jadranka Sertić
Nino Sinčić
Feodora Stipoljev
Ljiljana Šerman
Mirjana Šimić
Maja Vlahović
Renata Zadro

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 38

OUTLINE OF COURSE/MODULE CONTENT


**READING LIST (MANDATORY AND RECOMMENDED)**

- Scientific articles

**DESCRIPTION OF INSTRUCTION METHODS:** Lectures, seminars and exercises

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Test examination

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 5
ORDINAL NUMBER: 45

TITLE OF COURSE/MODULE: Microvascular tissue transfer

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Associate Professor Rado Žic MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Srećko Budi
Krešimir Martić
Igor Rudež
Franjo Rudman
Rado Žic

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 25

OUTLINE OF COURSE/MODULE CONTENT

Participants will be informed through lectures, seminars and practical work about experimental research on free tissue transfer, the anatomy and use of flaps in clinical practice. Complex and functional reconstruction with composite flaps, haemodynamics of the microvascular anastomosis, and prevention of thrombosis is important part of programme. On the end complications of free flap transfer and donor area morbidity, postoperative free flap monitoring, and insight into experimental use of new techniques for microvascular anastomosis.

READING LIST (MANDATORY AND RECOMMENDED)

- Khouri RK, Upton J, Shaw WW. Principles of flap prefabrication.
- Heller L1, Levin LS. Lower extremity microsurgical reconstruction.
- Plast Reconstr Surg. 2001 Sep 15;108(4)
- Taghinia AH, Pribaz JJ. Complex nasal reconstruction. Plast Reconstr Surg. 2008 Feb;121(2)
- New articles associated to Course curriculum

DESCRIPTION OF INSTRUCTION METHODS: lectures, seminars, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Oral (journal club), Written (30 MCQs)

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3.5
ORDINAL NUMBER: 46

TITLE OF COURSE/MODULE: Molecular genetics of aging and carcinogenesis

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Associate professor Ivica Rubelj, PhD

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER: Ivica Rubelj

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

The aim of the course is to introduce students to the latest knowledge in the field of biology of aging. Course is about molecular mechanisms that control cell growth, which normally ends with cellular aging, but also the phenomenon of carcinogenesis resulting from the changes of the same molecular structures. Students will get an overview of modern approaches and techniques to this research from the cellular level to the organism and population level. Special attention will be paid to molecular mechanisms of tissue aging and mechanisms of aging in transgenic model organisms, the beginning and development of diseases associated with the aging process etc.

Topics include: introduction to Molecular biology of aging. Definitions, origins of research on molecular mechanisms of cellular aging, overview of modern ideas and techniques of aging research from cell to organism. Cellular aging. Hayflick experiment, a model of human and mouse fibroblasts, endothelial and epithelial cells, the morphological and physiological changes in senescent cells. Molecular basis of (patho)physiology of cellular aging, mechanisms of genetic control of cellular aging: the role of telomeres, structure and mechanisms of their shortening, the role of cell cycle control in aging and telomere shortening. Subtelomeric sequences, their structure and impact on telomeres, types of subtelomeric sequences in several model organism (mammals, yeast, Drosophila, nematodes). Telomeric proteins and their interactions with telomeres; shelterin, recombinant proteins at telomeres, mutations of telomeric proteins associated with genetic diseases. Telomerase; structure of their genes and nucleoprotein, 3D structure, mechanisms of action, interactions with telomeres. Molecular basis of (patho)physiology of aging of tissues and organs, genetic and epigenetic mechanisms of aging control in mice (knock out experiments, histological analysis), the skin as a model: aging of fibroblasts, melanocytes, keratinocytes, endothelial cells, microvasculature. Aging at the organismal level, accumulation of senescent cells, their effect on the surrounding tissue, changes in extracellular matrix and signal molecules - physiological profile of inflammation. Population studies of aging, survival, morbidity and mortality, telomeres as a predictive factor for the individual and population aging, population dynamics of aging in Croatia. Free radicals, their formation, propagation and neutralization, the cell damage theory and energy metabolism, oxidative stress in cell senescence: hyper or hypoxia, telomeres and oxidative stress, the role of mitochondria in cell damage and cellular aging, the role of antioxidants and stress - response mechanisms in cell aging. Tissue damage related to aging, protein modifications, antioxidant mechanisms and protection from damage (enzymes, small molecules - vitamins, minerals). Caloric restriction, model organisms (mouse, rat, monkey, Drosophila), a longitudinal study of calorie restriction in monkeys (Macaca mulatta) for > 25 years, the impact of diet on aging and mortality. Carcinogenesis, M1/M2 mechanism, cell crisis and immortalization, effect of SV40 large T antigen (Tg), the role of p53 and pRb; ALT - alternatively lengthening of
telomeres in carcinogenesis and metabolism of unicellular organisms, impact on the stability of telomeres.

Evolutionary theories of aging and relationship of aging with carcinogenesis. Comparative biology of aging describe specifics of some groups of organisms (higher mammals, primates, birds, reptiles, insects, aquatic organisms), the role of telomeres and telomerase in aging of various organisms, absence or neglected aging in some organisms. Aging of non-regenerative organs and tissues (brain and nervous system, myocardium) and their resistance to stress, the molecular mechanisms of some degenerative diseases associated with aging; Alzheimer's, Werner's syndrome, Hutchinson -Gilford syndrome progeria).

READING LIST (MANDATORY AND RECOMMENDED)

- Oncogene, vol. 21, No. 4 (2002), 493-697. selection of review articles

DESCRIPTION OF INSTRUCTION METHODS: Lectures with PP presentation

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Final seminar: Critical analysis of a scientific article related to the course.

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 47

TITLE OF COURSE/MODULE: Molecular hematology

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Associate Professor Rajko Kušec MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Rajko Kušec
Marko Lucijanić
Tajana Štoos Veić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 26

OUTLINE OF COURSE/MODULE CONTENT

Students will be introduced to the topics of a) molecular and genetic basis of hematopoietic stem cell damage and molecular leukemo- and lymphomagenesis, they will be presented with the b) basic principles of molecular techniques and logics of selecting the appropriate molecular tests in hematology and hemostaseology. Further, (c) molecular aspects of minimal residual disease will be presented, d) molecular redefinition of leukemia and lymphoma categories by gene expression profiling and use of SNP array analysis will be discussed. e) Principles of molecular hematopathology and recent achievements in the field, f) collecting biological samples, isolation of nucleic acids and planning of molecular tests g) mechanisms of actions of new, molecularly targeted therapeutics in hematology, h) and molecular cytogenetics in hematology will also be the topics. Closing seminar: critical analysis of a selected scientific paper relevant to the course. Principles of aggressive chemotherapy and radiotherapy. Scientific facts and controversy in success evaluation regarding chemoradiotherapy and targeted therapy for hematopoietic neoplasms.

READING LIST (MANDATORY AND RECOMMENDED)

- Godley LA. Profiles in leukemia. NEJM 2012; 366:1152-1153
- Steensma D. The Beginning of the End of the Beginning in Cancer Genomics. NEJM 2013; DOI: 10.1056/NEJMe1303816
- Bauer K. Targeted Anti-Anticoagulants.NEJM 2015;373: 569-570
- Lander ES. Brave New Genome.NEJM 2015;373:5-8

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical molecular laboratory work
DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam, oral

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3,5
ORDINAL NUMBER: 48

TITLE OF COURSE/MODULE: Molecular oncology – insight into new technologies

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Assoc. Prof. Korajlja Gall Trošelj, MD, PhD, Research Advisor

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Koraljka Gall - Trošelj
Renata Novak Kujundžić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 17

OUTLINE OF COURSE/MODULE CONTENT
Cancer genetics and epigenetics; DNA methylation; genomic imprinting and multilevel roles of the CTCF protein; promoter polymorphism in relation to gene activity; histone modifications; chromatin immunoprecipitation; malignant cell transcriptome and application of the –omics methods in molecular oncology; micro-RNA and their modeling; tools for searching the Gene Bank and other databases; cellular metabolism and carcinogenesis; seminars: analyses of research articles dealing with aspects of oncology (clinical and molecular) relevant for students. Written exam – test.

READING LIST (MANDATORY AND RECOMMENDED)


DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam - test

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS (IF ANY):** 2.5
ORDINAL NUMBER: 49

TITLE OF COURSE/MODULE: Molecular aspect of lymphocyte development

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Mariastefania Antica, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER: Mariastefania Antica

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 21

OUTLINE OF COURSE/MODULE CONTENT

The topic Molecular aspects of lymphocyte differentiation will provide skills for a critical interpretation of published literature in the field of molecular biology of lymphocyte development. Also a practical approach and the laboratory skills will include knowledge of methods like DNA and RNA isolation from lymphatic tissues, reverse transcription and polymerase chain reaction (PCR), electrophoresis of DNA fragments, gene expression by protein detection, apoptosis by flow cytometry.

READING LIST (MANDATORY AND RECOMMENDED)

- Immunobiology. The immune system in health and disease, Janeway Travers
- Molecular Cell Biology, by Lodish Berk, Matsudaira, Kaiser, Krieger, Scott, Zipursky, Darnell,

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written/oral test

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 50

TITLE OF COURSE/MODULE: Molecular and biochemical approach to genetic disorders

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Jadranka Sertić, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Tamara Božina
Jasna Lovrić
Hana Ljubić
Ana Merkler
Maja Relja
Jadranka Sertić
Feodora Stipoljev
Željka Vogrinc

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 15

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)

- www.personalgenomes.ca
- www.europgentest.org
- www.ptc.bio.com/ataluren

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars and exercises; closing seminar: critical analysis of selected scientific papers
DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Test, oral examination

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
ORDINAL NUMBER: 51

TITLE OF COURSE/MODULE: Molecular genetics and pharmacogenetics of gastrointestinal tumors

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Sanja Kapitanović, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Maja Cigrovski Berković
Tamara Čačev
Sanja Kapitanović
Marijana Popović Hadžija
Maja Sirotković Skerlev

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

Introduction to the principles involved in cancer development and progression, based on the model of gastrointestinal tumors. Review of molecular changings in oncogenes, tumor supressor genes and mismatch repair genes relating to illnesses of the gastrointestinal tract will be given. The role of microbiome and chronic inflammation in the colon cancer tumorigenesis. Course topics include the genetics of hereditary and sporadic colon cancer, familial adenomatous polyposis (FAP) and human nonpolyposis colon cancer (HNPCC, Lynch syndrome) as well as the genetics of family cancer. The gastric carcinoma is second most frequent gastrointestinal tumor in patients with HNPCC and the lectures will include the genetics of hereditary and sporadic gastric cancer. Course topics will be also the most recent findings in: molecular genetics of esophageal cancer, molecular genetics of inflammatory bowel disease (IBD) (ulcerative colitis, Crohn’s disease), molecular genetics of pancreatitis and pancreatic adenocarcinoma as well as molecular genetics of GEP-NET tumors. Chemoprevention is another approach to decrease the incidence of colorectal cancer in the general population. One of the topics of this course will be the role of COX-2 in the tumorigenesis and as a new molecular target in chemoprevention and treatment of gastrointestinal tumors. Pharmacogenomics and pharmacogenetics of gastrointestinal tumors, importance of SNPs and mutations in genes for drug metabolism, response to therapy, toxicity and resistance to therapy. Seminar topics will include: molecular diagnostics of hereditary gastrointestinal tumors, presymptomatic diagnostics, pharmacogenetics, interpretation of the results of molecular-genetics analysis (mutation detection and "linkage" analysis).

READING LIST (MANDATORY AND RECOMMENDED)
- Recent reviews and scientific publications from the field selected by lecturers

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: oral exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 52

TITLE OF COURSE/MODULE: Morphological research methods in biomedical sciences

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Srećko Gajović, MD, PhD, Prof. Boris Brkljačić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Boris Brkljačić
Srećko Gajović
Gordana Ivanac
Nataša Jovanov Milošević
Dinko Mitrečić
Sven Seiwerth
Siniša Škokić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 23

OUTLINE OF COURSE/MODULE CONTENT

The course gives an overview of various morphological methods which enable the imaging of molecules, cells, tissues, organs and organ systems of human. Basic and clinical approaches are interconnected in microscopy and radiology. The students would get knowledge of different ways of microscopy, in particular in the principles of light and electron microscopy. Theory and practice of methods to image major macromolecules of the living organism, gene activity and protein localization would be provided. Students would get insight in the practical knowledge of the applications of light (fluorescent and confocal) and transmission electron microscopy. The attendees would acquire an overview of knowledge regarding applications of modern imaging methods in depicting morphology of various organs and organ systems. Physical basis will be presented of conventional X-ray methods, ultrasound, computerized tomography, digital subtraction angiography and magnetic resonance imaging, as well as application of these methods in imaging of normal morphology of all organs and organ-systems. The significance of application of various contrast media will be emphasized. Critical analysis will be presented of various imaging methods in biomedical research, their advantages and shortcomings will be discussed, as well as algorithms of their utilization of different methods aimed to visualize from molecule to specific organ systems.

READING LIST (MANDATORY AND RECOMMENDED)


DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars and practicals

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written test

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7ag69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 53

TITLE OF COURSE/MODULE: Multiresistant bacteria associated with nosocomial infections

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Branka Bedenić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Nataša Beader
Branka Bedenić
Karmen Godič - Torkar
Ines Jajić
Sanda Sardelić
Jasmina Vraneš

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 25

OUTLINE OF COURSE/MODULE CONTENT

Enterobacteriaceae producing extended-spectrum β-lactamases

Since plasmid-mediated extended-spectrum β-lactamases (ESBLs) were first detected in Klebsiella oxytoca isolate in 1983 in Germany, they have been increasingly reported worldwide. Production of ESBLs is the major mechanism of resistance to oxymino-cephalosporins and aztreonam in Gram-negative bacteria. ESBLs are predominantly derivatives of plasmid-mediated TEM or SHV β-lactamases and arise through mutations that alter the configuration of the active site, thereby expanding the hydrolytic spectrum of the enzyme. The CTX-M family of β-lactamases groups evolutionary related ESBLs with a much higher level of activity against cefotaxime than ceftazidime; and their similarity to some species-specific β-lactamases, like those of Klebsiella oxytoca and Citrobacter diversus, has been known for years. The recent finding of 99% homology between the CTX-M-2 enzyme and the β-lactamase of Klyuvera ascorbata has indicated the origins of at least a fraction of the CTM-variants. In contrast to TEM and SHV ESBLs which rely on point mutations in blaTEM and blaSHV genes to expand their substrate profiles, CTX-Ms have an intrinsic extended-spectrum profile. Whereas only three enzymes of this family (CTX-M-1, MEN-1, CTX-M-2, and Toho-1) were described between 1990 and 1995, in recent years the list has been increasing very quickly. In some countries CTX-M-β-lactamases are the most prevalent types of ESBLs, for instance in Switzerland, Russia, Greece, Spain, Japan, Taiwan, China and Argentina. Production of CTX-M β-lactamases can be associated with plasmid-mediated resistance to fluoroquinolones due to qnr genes which encode proteins protecting bacterial topoisomerase. In contrast to SHV and TEM ESBLs they are usually associated with community isolates. Non-fermentative bacteria such as Pseudomonas and Acinetobacter can also harbour ESBLs but they are less frequent than in Enterobacteriaceae and predominantly belong to rare families like PER, VEB and IBC. Laboratory detection is based on double disk synergy test or combined disk test with clavulanic acid. Detection of ESBL in non-fermentative bacteria or the species of Enterobacteriaceae which possess chromosomal AmpC beta-lactamases pose a challenge because chromosomal ampC beta-lactamase can antagonize the synergism with clavulanic acid and lead to false negative results. Addition of cloxacillin which inhibits ampC beta-lactamases in the medium is recommended. Carbapenems are the antibiotics of choice for the treatment of infections caused by ESBL positive Enterobacteriaceae. Urinary tract infections caused by ESBL producing Enterobacteriaceae can be treated with fluoroquinolones or beta-lactam combinations with inhibitors if in vitro testing shows susceptibility.
AmpC beta-lactamases

Plasmid-mediated AmpC beta-lactamases are derived from the chromosomal beta-lactamases of the bacteria belonging to the genus Enterobacter, Citrobacter, Serratia, Pseudomonas and Acinetobacter by escape of the chromosomal gene to the plasmid. Plasmid mediated AmpC beta-lactamases are found in the species of Enterobacteriaceae without chromosomal ampC gene such as Klebsiella spp, Proteus mirabilis or Salmonella or with low level expression of chromosomal ampC gene such as E. coli. Plasmid-mediated AmpC beta-lactamases confer resistance to third generation cephalosporins and cephapirins and unlike ESBLs are not inhibited by clavulanic acid, sulbactam or tazobactam. Fourth generation cephalosporins are spared. They belong to CMY, DHA, FOX, MOX, LAT, BIL, ATC and other families. Laboratory detection is based on combined disk test with phenylboronic acid as inhibitor of AmpC beta-lactamases.

Carbapenemases in Enterobacteriaceae

Acquired resistance to carbapenems in uncommon in Enterobacteriaceae although extended-spectrum β-lactamase resistance in these organisms is well established. However, β-lactamase mediated resistance to carbapenems has been reported in Klebsiella pneumoniae and other Enterobacteriaceae mostly due to the expression of class A KPC β-lactamases susceptible to the inhibition by clavulanic acid, class B metallo-β-lactamases (IMP, VIM or NDM) or OXA-48 β-lactamase belonging to the class D β-lactamases. Furthermore, carbapenem resistance can be mediated by hyperproduction of ESBLs or plasmid-mediated AmpC β-lactamases combined with porin loss. Modification of outer membrane (ompK35 and ompK36) proteins usually develops during therapy with carbapenems. Enterobacteriaceae isolates with reduced susceptibility to carbapenems were recently reported in USA, France, Greece, Turkey, Israel, Austria, Sweden, UK, Spain, Switzerland, Germany, Belgium, Italy, China, and Taiwan, and many other countries of the world. In Croatia, the first carbapenemase described in Enterobacteriaceae was NDM-1. The first group A carbapenemase reported in our country was KPC-2 found in K. pneumoniae isolate. Simultaneous production of KPC and MBLs has also been reported in Germany and China. The laboratory detection of carbapenemases in the laboratory is based on modified Hodge test. Inhibitor based tests with EDTA and phenylboronic acid are used to detect metallo-beta-lactamases (MBLs) and KPC beta-lactamases, respectively.

Non-fermentative bacteria producing carbapenemases

The Gram-negative Acinetobacter baumannii is one of the most relevant nosocomial pathogen occurring in intensive care (ICU) as well as burn therapy units. The most frequent health-care-associated infections are urinary tract infections, bacteremia, surgical site infections and ventilator associated pneumonia. One of the reasons of the success of A. baumannii within the hospitals is related to the impressive ability of this bacterium to express innate and acquired antibiotic resistance determinants, making last resort antibiotics for the treatment of multidrug-resistant (MDR) strain, like broad-spectrum cephalosporins, carbapenems, and to a lesser extent colistin, frequently ineffective. Carbapenems have a potent activity against Acinetobacter and Pseudomonas and are often used as last resort for the treatment of infections due to multiresistant Acinetobacter baumannii isolates. However, Acinetobacters may develop resistance to carbapenems through various combined mechanisms including decreased permeability, altered penicillin binding proteins (PBPs) and, rarely, efflux pump overexpression. However, the most frequent mechanism of resistance is though the production of carbapenemases such as class B IMP type and VIM type metallo β-lactamases (MBLs) and class D OXA type carbapenemases.
Carbapenemases may be defined as β-lactamases that significantly hydrolyse at least imipenem or/and meropenem. The most clinically significant carbapenemases belong to class B. They are the acquired or transferable metallo-enzymes which require zinc as a cofactor and include the following most common families: IMP, VIM, SPM, GIM, NDM and SIM. The VIM-type enzymes appear to be the most prevalent in Europe and Far East, and at least 34 different variants have been identified (http://www.lahey.org/Studies). The worldwide spread of acquired metallo-β-lactamas (MBLs) in gram-negative bacilli has become a great concern. MBLs possess a broad hydrolysis profile that includes carbapenemases and almost all extended-spectrum β-lactams except of aztreonam. Genes encoding MBLs are usually located in integrons which contain gene cassettes encoding resistance to aminoglycosides and fluoroquinolones. MBLs have zinc in their active site and are inhibited by metal chelators such as EDTA, mercaptopropionic and mercaptosulphuric acid. Group D includes carbapenem-hydrolyzing oxacillinases which are usually produced by A. baumannii. OXA-51 family are intrinsic chromosomally encoded beta-lactamas of the species A. baumannii. They cause carbapenem-resistance only if they are associated with ISAba1 insertion sequence upstream of the blaOXA-51 gene. OXA-23-like, OXA-24/40-like, OXA-58-like and OXA-143-like are acquired oxacillinases associated with high level of resistance to carbapenem. They are usually plasmid-mediated and thus transferable. Isolates producing acquired oxacillinases are frequently multidrug resistant. OXA-23 is the most widespread family of CHDL and is reported all over the world. OXA-24/40 was found in North America, Spain, Portugal, Brasil, China and recently in Croatia. OXA-58 was reported in Germany, France, UK, Turkey and Greece. It is often preceded by ISAba3 insertion sequence which is important for the mobilization of the blaOXA-58 gene and increased the expression of the gene and the level of carbapenem-resistance. OXA-143 was identified only in Germany. Changes of outer membrane proteins (CarO) or upregulation of efflux pumps can contributed to carbapenem-resistance.

Pseudomonas aeruginosa belongs to bacteria with a variety of intrinsic and acquired resistance mechanisms including the production of antibiotic modifying enzymes like beta-lactamas and aminoglycoside modifying enzymes, impermeability of the cell wall, mutation of receptor molecules or upregulated efflux pumps. Pseudomonas aeruginosa develops resistance to carbapenem due production of metallo-beta-lactamas belonging to class B, KPC beta-lactamas belonging to class A, loss of OprD protein or upregulation of efflux pumps. In Croatia, VIM-2 metallo-beta-lactamase was reported in University Hospital Split and Zagreb. It was encoded in a class1 integron which contained resistance genes for aminoglycosides and blaOXA-1 gene. Resistance to expanded-spectrum cephalosporins in Acinetobacter spp and Pseudomonas spp can be due to overexpression of class C chromosomal beta-lactamas or acquisition of extended-spectrum beta-lactamas, mostly of VEB, PER and IBC family, but rarely TEM-116, SHV-12, and CTX-M-2 were reported. Resistance to ampicillin/sulbactam in Acinetobacter spp is mediated by hyperproduction of TEM-1 beta-lactamase.

Resistance to fluoroquinolones in Enterobacteriaceae is mediated by mutations of chromosomal gyrA and parC genes or plasmid-mediated qnr genes which encode qnr proteins to protect topoisomerase. Qnr genes are often encoded on the same plasmids which contain blaESBL or blaCARB genes.
Resistance to fluoroquinolones in non-fermentative bacteria is gyrase or topoisomerase subunit. Aminoglycoside modifying enzymes such as adenylases, phosphorilases or acetylases are the major resistance mechanisms to aminoglycosides in Pseudomonas spp and Acinetobacter spp. Recently, resistance to colistin was reported in A. baumannii due to the modification of lipid A component of the lipopolisaccharide of the bacterial cell wall.

Meticillin-resistant Staphylococcus aureus (MRSA) emerged very soon after introduction of meticillin in the treatment of staphylococcal infections in the early 60-ies of XX century.

Currently 30 to 50% of S. aureus and more than 50% of coagulase negative staphylococci are resistant to semisynthetic penicillins. Resistance occurs as the results of acquisition of mecA gene, that encodes a novel penicillin binding protein PBP2', as well as mec a new variant recently reported in France. Expression of PB2' renders the bacteria resistant to all β-lactam antibiotics (including cephalosporins and carbapenems). Until recently, the one antibiotic that has remained uniformly active against staphylococci has been vankomycin, the current antibiotic of choice for treating staphylococci resistant to oxacillin. However, it is less efficient than izoxazolil penicillins. Other therapies are available nowadays such as linezolid, daptomycin and ceftaroline. Furthermore, it is more toxic than β-lactam antibiotics. MRSA has all properties of staphylococci: it is easily spread from ill/colonized patient to other patients via hands of staff or fomites and causes infections like MSSA (wound infections, sepsis, endocarditis, pneumonias and osteomyelitis). Prevalence of MRSA in Croatia is 3 to 50%. There are reports of MRSA as community acquired pathogen.

Enterococci are part of the normal flora in digestive and urogenital tract of humans and animals. They cause opportunistic urinary tract infections, wound infections, intraabdominal abscess and sepsis. Enterococci have intrinsic naturally occurring resistance to many antibiotics such as cephalosporins and klindamycin. In order to achieve bactericidal effect, it is necessary to combine penicillins or glycopeptides with aminoglycosides. The most important problem is development of high level resistance to aminoglycosides, penicillins and lately also to vankomycin. The first VRE was described in Europe in 1988 and in USA in 1989. The prevalence of vankomycin resistance in Europe is 2% whereas in USA it is much higher (10%). Infections due to VRE are difficult to treat. Furthermore, genes responsible for vankomycin resistance could be transferred to other Gram-positive bacteria such as staphylococci resulting in vankomycin-intermediate or vankomycin-resistance S. aureus (VISA or VRSA, respectively) as well as to other Gram-positive bacteria such as streptococci and listeria.

Recently, nursing homes have been reported to be important reservoir of multiresistant bacteria particularly MRSA or Acinetobacter baumannii. The residents of long-term care facilities are usually chronically ill and debilitated and often have prolonged stays in the hospitals where they can get colonized with multiresistant strains.

The practices will enable the students to learn the methods for antimicrobial susceptibility testing, phenotypic tests for detection of extended-spectrum and plasmid-mediated ampC beta-lactamases and carbapenemases and molecular methods for detection of resistance genes. Moreover, they will be able to to practice methods for genotyping of multiresistant bacteria such as PFGE and MLST. Extraction of plasmids will be done with commercial kit according to the manufacturer’s instruction. The plasmid-based replicon typing will be done according to Caratolli et al.

JOURNAL CLUB. The topics related to MRSA, VRE and ESBL and carbapenemase positive bacteria will be discussed at the journal club.

READING LIST (MANDATORY AND RECOMMENDED)


DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practicals

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written examination

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3,5
Ordinal Number: 54

Title of Course/Module: Advanced ultrasonography in gastroenterology and hepatology

Status of Course/Module (Required/Elective): Elective

Name of Course/Module Teacher: Associate Professor Ivica Grgurević, MD, PhD, Professor Boris Brkljačić, MD, PhD

Names of Course/Module Teacher/Associate Teacher:
- Tomislav Bokun
- Boris Brkljačić
- Ivica Grgurević
- Gordana Ivanac
- Nadan Rustemović
- Tajana Štoos Veić

Language of Instruction in Course/Module: Croatian or English, as required

Number of Instruction Hours: 20

Outline of Course/Module Content


Reading List (Mandatory and Recommended)

- Duvnjak Marko (ur.): Ultrazvuk abdomena, Medicinska naklada, Zagreb, 2015.
- Brkljačić Boris. VASKULARNI ULTRAZVUK. Medicinska naklada, Zagreb 2010.
• Brkljačić B. DOPLER KRVNIH ŽILA. Medicinska naklada, Zagreb 2000; 238 str.(udžbenik Sveučilišta u Zagrebu)

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
ORDINAL NUMBER: 55

TITLE OF COURSE/MODULE: Genomic instability

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): ELECTIVE

NAME OF COURSE/MODULE TEACHER: Professor Nives Pećina-Šlaus, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Anja Bukovac
Anja Kafka
Nives Pećina Šlaus
Tomislav Vladušić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 15

OUTLINE OF COURSE/MODULE CONTENT

The course deals with the genetic basis tumorigenesis. Genomic changes that are the basis of malignant transformation and progression are described. The emphasis of the course is given on the genomic instability of tumor cells caused by defective DNA repair mechanisms. Therefore, scientific topics of mutations and DNA repair are also represented. Specific type of DNA postreplication repair the so called mismatch repair is extensively covered. Moreover, genetic organization, basic mechanisms of gene regulation and function as well as signal transduction pathways involved in tumor formation and progression are also included in the course. The genomic characteristics of brain tumors is introduced to the students too, since it represents the main scientific research in the Laboratory for neuro-oncology. The emphasis is on Wnt signaling and gene mutations responsible for specific histopathological brain tumor initiation and development. New research in this scientific field is brought to students’ attention.

Practical work enables students to discover genetic changes in human tumors. Specific topics of the course include: Genomic instability in tumor cells; Mechanisms of mutation and DNA repair; Control of gene expression; Genes and signal transduction pathways involved in tumorigenesis; Wnt signaling in brain tumors. Seminars focus on novel scientific papers on genomic instability and tumors genome landscapes. Journal club discussion on selected scientific papers and essays are also part of seminars. Practical work includes following: Screening for microsatellite instability in cancer, the analysis of microsatellite gene markers; Loss of heterozygosity detection; Electrophoresis; Mutation detection method Heteroduplex; Immunohistochemistry and novel techniques of mutation search through High resolution melting on Light Cycler PCR instrument are also included.

READING LIST (MANDATORY AND RECOMMENDED)

• Pećina-Šlaus i suradnici: Odabrane metode molekularne biologije, Medicinska naklada, Zagreb, 2009.

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical work
DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Essay from novel scientific literature and written exam.
DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x
APPOINTED ECTS: 2,5
ORDINAL NUMBER: 56

TITLE OF COURSE/MODULE: Neurobiology of aging

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Goran Šimić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Mirjana Babić Leko
Nataša Jovanov Milošević
Željka Krsnik
Goran Šimić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

The goal of this course is to present neuropathological, molecular and genetic features of brain diseases related to aging, features of aging of neuronal cells, as well as experimental models for studying cellular aging. The course is divided into following topics: Experimental models of aging (in Saccharomyces cerevisiae, Caenorhabditis elegans, Drosophila melanogaster and Mus musculus); Evolutionary theories and theoretical models of aging; Neurobiological basis of human progeroid syndromes: Werner syndrome, Hutchinson-Gilford syndrome, Down and Cockayne syndrom, and ataxia telangiectasia; Neuropathology of Alzheimer’s disease; Sporadic and familial Alzheimer’s disease; Biomarkers of Alzheimer’s disease; Genetic and molecular features of primary tauopathies, including PART (primary age-related tauopathy); Neurobiological basis of the vascular dementia spectrum; Neurobiological basis of frontotemporal dementia (primarily due to frontotemporal lobar degeneration FTLD-Tau and FTLD-TDP); Neurobiological basis of Lewy body disease (the group of synucleinopathies that include Parkinson’s disease and Lewy body disease); Molecular-biological diagnostics and neuropathological picture of Creutzfeldt-Jacobs disease and human spongiform encephalopathy; Neurobiological basis of age-related diseases of the motor system with special emphasis on amyotrophic lateral sclerosis and C9ORF72 mutation; Shortening of telomeres, proteins interacting with telomeres and mechanisms of cell-cycle control associated with telomeres; Morphological, physiological and genetic changes of cells and tissues during aging and relationship between individual aging of cells and tissue aging; Neurodifferentiation and therapeutical use of neural stem cells for degenerative brain diseases; Methods for detection of different modes of neuronal cell death. Practical demonstrations include histochemistry, immunocytochemistry and immunofluorescence of beta-amyloid, alpha-synuclein, tau and other proteins implicated in pathogenesis of brain diseases related to aging; electrophoresis and Western blot of tau proteins; ISEL and TUNEL methods for detection of oligonucleosomal DNA fragments, and electron-microscopical analysis of neuronal cell death.

READING LIST (MANDATORY AND RECOMMENDED)


- Additional new publications related to the course themes; publications for the work in the small groups (seminars and journal clubs) will be updated before every lecture. Attendees are expected to add publications and change themes according to self-interest.

**DESCRIPTION OF INSTRUCTION METHODS:** Closing seminar: critical analysis of a selected scientific paper related to the course content ("journal club").

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Completion of group work – a written report/assay/presentation.

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 3
ORDINAL NUMBER: 57

TITLE OF COURSE/MODULE: Fetal and neonatal neurorphysiology, fetal behavior

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Aida Salihagić Kadić, MD, PhD, Professor Vlatka Mejaški Bošnjak, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
- Dubravko Habek
- Ivica Kostović
- Vlatka Mejaški Bošnjak
- Berivoj Mišković
- Zdravko Petanjek
- Aida Salihagić Kadić
- Milan Stanojević

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 23

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)
- Mejaški Bošnjak V. Duranović V. Ultrazvuk u dijagnostici ranog oštećenja mozga, skripta uz tećaj SMU Medicinskog fakulteta u Zagrebu, 2015.
- Salihagić Kadić A, Predojević M. What We have Learned from Fetal Neurophysiology? Donald School Journal of Ultrasound in Obstetrics & Gynecology 2012; 6(2) :179-188.

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam (essay) and oral exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 58

TITLE OF COURSE/MODULE: Movement disorders

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Maja Relja MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Fran Borovečki
Ivana Jurjević
Nataša Klepac
Zdravko Lacković
Vladimir Miletić
Maja Relja
Jadranka Sertić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 25

OUTLINE OF COURSE/MODULE CONTENT
Pathophysiology and pathogenesis of movement disorders, clinical presentation and differential diagnosis of movement disorders with video seminars, new diagnostic tools and therapy in movement disorders.

READING LIST (MANDATORY AND RECOMMENDED)
• Lacković Z Neurotransmitori u zdravlju i bolesti Medicinski fakultet 1997
• Scientific Journals (Movement Disorders, Parkinsonis anf Related Disorders)

DESCRIPTION OF INSTRUCTION METHODS: Lecture, seminar, video seminars, workshop,discussion group, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written test (essay)

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3,5
ORDINAL NUMBER: 59

TITLE OF COURSE/MODULE: Selected chapters of epileptology of developmental age

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Nina Barišić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Ivo Barić
Nina Barišić
Fran Borovečki
Nada Božina
Romana Gjergja Juraški
Goran Pavliša
Zdravko Petanjek
Jadranka Sertić
Goran Šimić
Goran Tešović
Vladimir Trkulja

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 32

OUTLINE OF COURSE/MODULE CONTENT


Practical work includes independent analysis of electroencephalographic graphoelements in EEG dependent on maturation and age related in specific epileptic syndromes and epileptic encephalopathies, analysis of semiology of specific epileptic syndromes and encephalopathies based on different seizure types video recordings, analysis of REM and non REM phase in specific epileptic syndromes. Practical training include also analysis of structural MRI brain abnormalities including focal cortical dysplasias, strokes, inflammatory and autoimmune brain disorders causing epileptic seizures.
In Journal club the participants individually prepare their presentations based on scientific literature relevant to the course and critically analyse the methodology, discussion and conclusions with other attendees.

**READING LIST (MANDATORY AND RECOMMENDED)**

- Handout: Selected chapters of epileptology of developmental age, ED. Barišić N.
- BarišićN.: Pedijatrijska neurologija, Medicinska naklada, Zagreb 2009
- Niedermeyer’s Electroencephalography: Basic Principles, Clinical Applications, and Related Fields, Donald L. Schomer MD (Editor), Fernando Lopes da Silva MD PhD (Editor) Wolters Kluwer /Lippincot William&Wilkins, 2012; free download (app) at www.amazon
- Helbig I. New technologies in molecular genetics: the impact on epilepsy research. Prog Brain Res. 2014;213:253-78. Doi
- Abdijadid S1, Mathern GW, Levine MS, Cepeda C. Basic mechanisms of epileptogenesis in pediatric cortical dysplasia. CNS Neurosci Ther. 2015 Feb;21(2):92-103.

**DESCRIPTION OF INSTRUCTION METHODS:** Lectures, seminars, practical, journal club

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Written and oral, and ppt presentation of the article related to subject

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 4,5
ORDINAL NUMBER: 60

TITLE OF COURSE/MODULE: Selected topics in transplantation immunology

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Danka Grčević, MD, PhD, Assoc. Prof. Nataša Kovačić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Danka Grčević
Tomislav Kelava
Nataša Kovačić
Alan Šućur

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 19

OUTLINE OF COURSE/MODULE CONTENT

Course will include 2 lectures, 2 seminars with paper discussion („journal club“), 2 practicals, and final (round table) discussion.

Lectures (2x90 minutes) will introduce students to basic concepts of molecular and cellular immunology related to experimental and clinical tissue- and organ-transplantation, topics (total 2): 1. Regulation of the immune response and immunological tolerance, 2. Transplantation rejection and graft versus host reaction.

Seminars (2x90 minutes) will include small student groups in the form of „journal club“. Students will present relevant and recent publications related to selected fields of transplantation immunology including discussion of methods, results and conclusions, topics (total 2): 1. Transplantation of solid non-lymphoid organs, and 2. Transplantation of lymphoid tissues. Students’ presentation will be evaluated to present 50% percent of total score.

Practicals (2x135 minutes) will consist of individual lab work to introduce students to practical procedures related to methods commonly used in the field of transplantation immunology, topics (total 2): 1. Lymphocyte proliferation after polyclonal stimulation – a) preparation of cell suspensions and plating, b) cell labeling and colorimetric measurement of proliferation; 2. Surface phenotyping of murine hematopoietic stem cells and mature hematopoietic lineages – a) preparation of cell suspensions and antibody labeling, b) multicolor flow cytometry analysis (FACS). At the end of the practicals, students need to describe used methods in a form of laboratory protocol, which will be evaluated to present 25% percent of total score.

Subject will conclude with the final critical discussion („round table“) regarding the acquired knowledge and skills, and their possible implementation in research and clinical work in accord to the principles of evidence based medicine. Student participation will be evaluated to present 25% percent of total score.

READING LIST (MANDATORY AND RECOMMENDED)
University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“

- Recent scientific articles related to the chosen topics in transplantation immunology will be used in seminars („journal club“). Students will be requested to select the article and present it during journal club, after consultation and approval of lecturers.

**DESCRIPTION OF INSTRUCTION METHODS:** Lectures, seminars („journal club“and „round table discussion“), practicals.

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Article presentation „journal club“ (50%), drafting of research protocol (25%), participation in final discussion (25%).

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 3
ORDINAL NUMBER: 61

TITLE OF COURSE/MODULE: Selected animal models of psychiatric disorders

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Nela Pivac, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Gordana Nedić Erjavec
Matea Nikolac Perković
Nela Pivac

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 12

OUTLINE OF COURSE/MODULE CONTENT

Introductory lecture about animal models; animal models of anxiety, fear and depression; Animal models of schizophrenia and mania; Animal models of PTSD and ADHD; Practical work; Forced swimming test; rotarot test; Animal models of alcoholism and neurodegeneration; Presentation of biochemical and genetic methods used to determine markers from biological materials; statistical analysis of the results; Presentation of the scientific articles from the field of animal models of neuropsychiatric disorders

READING LIST (MANDATORY AND RECOMMENDED)

- Donaldson ZR, Hen R. From psychiatric disorders to animal models: a bidirectional and dimensional approach. Biol Psychiatry. 2015; 77:15-21
University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“


**DESCRIPTION OF INSTRUCTION METHODS:** Lectures, practical work, seminars

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Written test

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 1.5
ORDINAL NUMBER: 62

TITLE OF COURSE/MODULE: Characteristics of clinical medical research

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Associate Professor Robert Likić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Ana Borovečki
Viktorija Erdeljić Turk
Robert Likić
Ksenija Makar Aušperger
Ingrid Prkačin
Matea Radačić Aumiler

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

By its content, the course includes important parts of the characteristics of clinical medical research in the form of lectures, seminars and exercises. It is attempted to illustrate these topics to attendants through concrete examples of clinical trials and the experiences of clinical pharmacologists. The course consists of the following topics: Controlled clinical trials as the only scientific evidence of the value of therapy, Ethics of clinical trials, Trials of comparative efficacy in medicine, The choice of diagnostic procedure in the example of kidney tumor, Statistics in clinical trials: friend or foe, Clinical medical trials in clinical pharmacology, Difference between interventional and non-interventional trials, Examples of randomized clinical trials, International scientific collaboration, writing of projects and securing grants, Phase IV clinical trials, Comparisons of cost-efficacy: examples of pharmacoeconomic analyses. The course ends by written exam.

READING LIST (MANDATORY AND RECOMMENDED)

- Newest scientific reviews related to the content of the course.

DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars and practical work.

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam with 45 questions.
DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2
ORDINAL NUMBER: 63

TITLE OF COURSE/MODULE: Knowledge discovery in medical domains

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Dragan Gamberger, MD, PhD, research advisor; Prof. Zdenko Sonicki, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Dragan Gamberger
Zdenko Sonicki

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 30

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)

- Gamberger D. Data Mining for Knowledge Discovery. Handbook for researchers and students (in Croatian)
- http://lis.irb.hr/Prirucnik/prirucnik-otkrivanje-znanja.pdf
- Data mining and knowledge discovery. Springer (journal).
- Intelligent data analysis. IOS Press (journal).

DESCRIPTION OF INSTRUCTION METHODS
Lectures and seminars teaching all relevant parts of the data preparation process, data analysis, and interpretation of the obtained results. For illustration real medical data are used. In the practical part the lectures help students to repeat relevant data analysis steps. It is recommended that student use data that they have collected themselves during their PhD study.

DESCRIPTION OF COURSE/MODULE REQUIREMENTS
Preparation of a report (research paper) in which the student demonstrates how he solved all parts of the data analysis process on a real medical domain. It is recommended that data are related to topic of the student’s PhD thesis. In the oral part of the examination the results of the report are analysed and general understanding of basic knowledge discovery concepts is evaluated.

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 4,5
ORDINAL NUMBER: 64

TITLE OF COURSE/MODULE: Pathophysiology of the brain and the CSF

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Marijan Klarica, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Silvio Bašić
Ivana Jurjević
Marijan Klarica
Jurica Maraković
Darko Orešković
Milan Radoš
Anton Vladić
Miroslav Vukić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

Brain barrier system, regulation of the brain blood circulation, measurement of the brain blood flow, regulation of the CSF volume - classical and new hypothesis, biochemical dynamics and diagnostic significance of the CSF, increased intracranial pressure, clinical approach to the intracranial hypertension, hydrocephalus, brain, ischemia, infarction, oedema, practice in regulation of the intracranial pressure, diagnostic imaging of the brain and CSF, discussion about the pathophysiology of the brain and CSF

READING LIST (MANDATORY AND RECOMMENDED)


DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practice, final seminar: critical analysis of the chosen scientific papers from the field

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written examination (test)

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7ag69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 65

TITLE OF COURSE/MODULE: Pathogenesis of Infective diseases

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Jasmina Vraneš, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Nataša Beader
Branka Bedenić
Rok Ćivljak
Alenka Gagro
Smilja Kalenić
Sunčanica Ljubin Sternak
Alemlka Markotić
Jasmina Vraneš

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 30

OUTLINE OF COURSE/MODULE CONTENT
General principles: microbial pathogenicity, virulence factors, pathogenicity islands, vertical and horizontal transmission of infection, exogenous infections, endogenous infections, normal microbial flora of the human host, probiotics, nonimmunologic host defenses. Adherence: ubiquitous receptors, bacterial adhesions, viral adhesion and invasion, parasitic attachment, tissue tropism, species specificity. Invasion: invasive and noninvasive microorganisms, enteroinvasive pathogens and the membranous cell gateway. Intracellular motility of microbial pathogens: passive and active actin modification. Subepithelial invasion and spread through the body: infection of distant target organs, serum resistance. Cell and tissue damage induced by bacteria, viruses and parasites and their products: exotoxins, endotoxin, membrane-disrupting toxins, superantigens, enzymes, apoptosis, virus-induced cytopathic effects. The immune response to infection. How microorganisms escape host defense: surviving the phagocyte and complement attack, surviving within phagocytes, antigenic and phase variations, tolerance, immunosuppression induced by microbial infection, microbial presence in bodily sites inaccessible to the immune response. Recovery from infection. Failure to eliminate microbe: latency, persistent infections. Effect of antibiotics on bacterial virulence factors. Methods: determination and quantification of bacterial adhesins, determination of the adherence to polystyrene measured by spectrophotometric assay, measurement of hemolytic activity by use of the microtiter hemolysin assay, detection of bacterial enzymes, serum sensitivity testing and genetic methods of bacterial virulence factors detection. Detection of virus-induced cytopathic effects and cytoplasmic and intranuclear inclusion bodies in different cell lines. Serology: specific and nonspecific serologic methods, determination and/or titration of IgM, IgG and IgA antibodies, determination of specific IgG avidity by use of the adapted enzyme-linked immunosorbent assay. Critical analysis of selected paper from scientific literature related to the course subject.

READING LIST (MANDATORY AND RECOMMENDED)

- Selected scientific papers.

**DESCRIPTION OF INSTRUCTION METHODS:** Four sessions: lectures, seminars (group work), practices and journal club.

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Questionnaire (single choice and multiple choices)

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 4,5
ORDINAL NUMBER: 66

TITLE OF COURSE/MODULE: Use of doppler ultrasound in research and diagnosis of diseases of blood vessels

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Boris Brkljačić, MD, PhD, Assist. Prof. Gordana Ivanac, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Boris Brkljačić
Diana Delić Brkljačić
Renata Huzjan Korunič
Gordana Ivanac

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

Physical basis of Doppler, 2 h lectures; Basic hemodynamics and interpretation of Doppler spectra, 2 h L; Areas of application of Doppler in modern medicine, 3h L; 8 h seminars in practical aspects of Doppler of peripheral arteries, veins, carotid, vertebral and cerebral arteries and visceral vessels. 5h of practicals in which different results will be analyzed in scientific research related to Doppler, using examples of diagnosis of ovarian cancer, liver and kidney tumors, diagnosis of rheumatoid arthritis, in echocardiography, and in other areas.

READING LIST (MANDATORY AND RECOMMENDED)

- The latest scientific reviews related to the content of the course
DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written examination: critical analysis of one published scientific paper in the area of the course (as determined during the „journal club”)

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 67

TITLE OF COURSE/MODULE: Proteomics in biomedical research

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Lovorka Grgurević, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
- Darko Božić
- Igor Erjavec
- Ivica Grgurević
- Lovorka Grgurević
- Dinko Mitrečić
- Ruđer Novak
- Vladimir Trkulja

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

Proteomics represents one of the key and fast-growing branches of molecular biology and medicine with capability to provide quantitative and qualitative analysis of proteins in cells, tissues and organism. Aim of this subject is general introduction to basic principles and methods of proteomics, specifically those based on mass spectrometry. Lectures will shortly describe history of proteomics and its basic strategies (protein electrophoresis, immunohistochemistry and Western-blot); mass spectrometry in global protein identification and quantification processes, as well as specific application in basic biomedical research. Participants will learn how to prepare the sample for analysis and will have opportunity to work with sophisticated proteomic machines (mass spectrometry, HPLC) and learn processing of results utilizing bioinformatics.

READING LIST (MANDATORY AND RECOMMENDED)


DESCRIPTION OF INSTRUCTION METHODS: Lectures, seminars, practical work
DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 68

TITLE OF COURSE/MODULE: Understanding bone metabolism – basic science in clinical practice

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Vesna Kušec, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Darko Antičević
Danka Grčević
Vedran Katavić
Dalibor Krpan
Rajko Kušec
Vesna Kušec
Slobodanka Ostojić Kolonić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 17

OUTLINE OF COURSE/MODULE CONTENT

Current knowledge on the structure and function of skeletal tissues (bone cells and their origin, intercellular matrix, basic bone tissue functions); bone remodeling (systemic hormone, growth factors and other determinants); regulation of bone mass; potentials and limits of specific diagnostic methods in the assessment of bone status with regard to basic knowledge on the topic of bone cell actions (densitometry, histology, histomorphometry, biochemical parameters and bone markers, molecular biology, x-ray, computerised tomography, scintigraphy); explanation of etiology of most frequent disorders of bone metabolism (e.g. osteoporosis, renal osteodystrophy, bone involvement in malignant diseases, osteogenesis imperfecta, Mb. Paget), clarification of the results of diagnostic and monitoring methods, understanding treatment effects; the significance of research for comprehending bone metabolism, mechanisms of diseases and discovery of new treatment options (cell culture, experimental models, knock-out and overexpression of genes, comparison of phenotypes between experimental animals and human disorders). The course includes discussion on new osteoporosis therapy modalities and the role of bone system in energy metabolism. Seminars and practice – problem and case oriented teaching, discussions of clinical and laboratory results on typical examples of skeletal disorders, evidence based medicine on the topic of metabolic bone disorders (critical analysis of clinically relevant literature, recommendations, reviews, meta-analyses).

READING LIST (MANDATORY AND RECOMMENDED)

- recommended during the course
- current reviews on regulation of bone remodeling, vitamin D metabolism, etiology of osteoporosis and therapy modalities
- reading for journal club discussions is provided during the course
- current literature recommended by other lecturers of the course

DESCRIPTION OF INSTRUCTION METHODS: lectures, seminars, journal club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written test (discussion of a research project in bone metabolism)

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS: 2,5**
ORDINAL NUMBER: 69

TITLE OF COURSE/MODULE: Human developmental neurobiology

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Ivica Kostović, MD, PhD, Prof. Miloš Judaš, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Sanja Darmopil
Nataša Jovanov Milošević
Miloš Judaš
Ivica Kostović
Željka Krsnik
Zdravko Petanjek

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 18

OUTLINE OF COURSE/MODULE CONTENT

Determination of basic spatio temporal parameters of neurogenesis in human, understanding of developmental lesions and plasticity, periods of genetic interactions and interactions with environment. Corelation of laminar development visible on histological material and MRI mages and neurogenetic events.

READING LIST (MANDATORY AND RECOMMENDED)


Cerebral cortex development: From progenitors patterning to neocortical size during evolution. Dev Growth Differ 51, 325-342.


DESCRIPTION OF INSTRUCTION METHODS: Lectures, Seminars, Practicals

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Journal Club, Essay

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
ORDINAL NUMBER: 70

TITLE OF COURSE/MODULE: Reproduction and workplace

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Assistant professor Milan Milošević, MD, PhD, Professor Jadranka Mustajbegović, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Jagoda Doko Jelinić
Davor Ježek
Milan Milošević
Jadranka Mustajbegović
Oliver Vasilj
Mirza Žižak

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 14

OUTLINE OF COURSE/MODULE CONTENT

Contents: Population under risk. Assessment of environmental pollutants exposure and their effects on reproduction and development: scientific methods and results. The importance of determining the levels of pollutants in the professional exposure in order to maintain the same biologically acceptable level to protect the workers' health. Recent knowledge on genetic monitoring, on the importance of recognition and identification of reproductive toxins. Recent knowledge on endocrine disruptors in human environment with emphasis on the potential of toxic metals (primarily cadmium) as endocrine disrupting chemicals. Own experience from research work in the field of reproductive toxicology of metals with examples of research protocols, interpretation of results and setting up conclusions. Physiology of reproduction. Vulnerable periods of organ and reproductive cells’ development, vulnerable periods of embryonal and fetal development, neonatal and lactation period. Methods used in diagnostics of occupational diseases, with the special emphasis on their reproductive impact. Final session: journal-club type discussion on the article related to the course subjects.

READING LIST (MANDATORY AND RECOMMENDED)

• Handouts from lectures

**DESCRIPTION OF INSTRUCTION METHODS:** Lectures and seminars

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Competition of group work – a written report, Questionnaire

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 2
ORDINAL NUMBER: 71

TITLE OF COURSE/MODULE: Synaptic plasticity and mind disorders

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Ivica Kostović, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Miloš Judaš
Ivica Kostović
Zdravko Petanjek
Milan Radoš
Mario Vukšić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 14

OUTLINE OF COURSE/MODULE CONTENT


READING LIST (MANDATORY AND RECOMMENDED)

• Kostovic I, Vasung L. (2009) Insights from in vitro fetal magnetic resonance imaging of cerebral development, Semin Perinatol. 33:220-33

DESCRIPTION OF INSTRUCTION METHODS: Lectures, Seminars, Practicals

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written and Oral exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2
ORDINAL NUMBER: 72

TITLE OF COURSE/MODULE: Statistical analysis of medical data 1

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): required

NAME OF COURSE/MODULE TEACHER: Associate professor Zdenko Sonicki, MD, PhD, Professor Davor Ivanković, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Davor Ivanković
Anamarija Jazbec
Mirjana Kujundžić Tiljak
Zdenko Sonicki
Slavica Sović
Diana Šimić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 38

OUTLINE OF COURSE/MODULE CONTENT


Journal Club: Critical appraisal of applied statistical procedures in selected publications.

READING LIST (MANDATORY AND RECOMMENDED)
- Available sources on Internet

DESCRIPTION OF INSTRUCTION METHODS: Lectures, Seminars, Practicals, and Journal Club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written and oral presentation (Critical appraisal of applied statistical methods in selected publications)

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS: 5**
ORDINAL NUMBER: 73

TITLE OF COURSE/MODULE: Structure, methodology and functioning of scientific work

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): required

NAME OF COURSE/MODULE TEACHER: Professor Zdravko Lacković MD, PhD, Professor Jelka Petrak, PhD, Associate Professor Ana Borovečki, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Ana Borovečki
Jadranka Božikov
Boris Brkljačić
Vladiana Criljen
Zdravko Lacković
Helena Markulin
Jelka Petrak
Marijan Šember
Lea Škorić
Vladimir Trkulja
Dina Vrkić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 28

OUTLINE OF COURSE/MODULE CONTENT

The study of science and peculiarities of medical science. Organization of scientific work in the Republic of Croatia. Scientific career in medicine. Complexities of the medical information system in science and ways of finding scientific data. How to save and process scientific data.

Module: Responsible conduct of research (Assoc. Prof. Ana Borovečki) Basic ethical problems in scientific research and publication of research results. Overview of national and international laws and regulations. Problem solving.

Module: Scientific publications - searching and evaluating (Prof. Jelka Petrak) Scientific publications in general. Scientific medical journals: characteristics, access to full texts, representation in databases, assessment of significance impact (abstracting&indexationindexing services, impact factor and Eigenfactor metrics); Bibliographic databases: Medline, SCOPUS, Current Contents; Citation databases: Science Citation Index, SCOPUS, Google Scholar; EBM databases; Bibliometric indicators, open access, social networks and altmetrics in assessment of scientific contribution.

READING LIST (MANDATORY AND RECOMMENDED)

- Borovečki A, Lacković Z (eds.): Responsible conduct of research, selected international and Croatian documents, Medicinska naklada, Zagreb 2015.
- R. Merton: Sociology of Science, University of Chicago Press 1973
- collection of national and international normative regulatory documents for scientific advancement, patents, ethics
DESCRIPTION OF INSTRUCTION METHODS: lectures, seminars, practical work, round table discussions, journal club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 4
ORDINAL NUMBER: 74

TITLE OF COURSE/MODULE: Structure, methodology and functioning of scientific work 2

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): required

NAME OF COURSE/MODULE TEACHER:
Jadranka Božikov
Sanja Brangan
Božidar Ferek Petrić
Igor Gliha
Mario Habek
Zdravko Lacković
Lovela Machala Poplašen
Vladimir Trkulja
Gordana Turkalj
Donatella Verbanac
Smiljka Vikić-Topić

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 38

OUTLINE OF COURSE/MODULE CONTENT
The course consists of two modules, the aim of which is to introduce students to the process of intellectual property protection and ways of realizing the rights derived from intellectual property, and to enable them to independently search and solve basic issues related to the protection of the invention in the field of biomedicine. The second module elaborates in more detail the issue of evaluation of the value of scientific work that started in the subject "Structure, Methodology and Functioning of Scientific Work 1" and a hierarchy of evidence of the practical value of diagnostic, prognostic and therapeutic procedures in medicine. In accordance with this, it endeavors to instruct students to understand the appropriate procedures for analyzing and interpreting their own results, as well as their presentation in the form of text or oral presentations.

READING LIST (MANDATORY AND RECOMMENDED)
- State Intellectual Property Office of the Republic of Croatia – educational material available at: http://www.dziv.hr/hr/intelektualno-vlasnistvo/
- Protect your ideas - An introduction to patents for students of natural sciences, engineering, medicine and business administration; educational material available at: www.epo.org/patents/learning/e-learning.html

DESCRIPTION OF INSTRUCTION METHODS: lectures, seminars, practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written test exam
DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 5
ORDINAL NUMBER: 75

TITLE OF COURSE/MODULE: Structure, methodology and functioning of scientific work 3: research projects

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): required

NAME OF COURSE/MODULE TEACHER: Associate Professor Fran Borovečki, MD, PhD, Professor Srećko Gajović, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Fran Borovečki
Srećko Gajović
Donatella Verbanac
Smiljka Vikić-Topić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 12

OUTLINE OF COURSE/MODULE CONTENT
Introduction to the research funding sources in Croatia, EU and USA. Common characteristics and specificities of theirs calls for proposals. Structure of project proposals, goals, time and financial activity planning logical framework matrix, outcomes and results, impact, exploitation of results. Fellowships. Project management, importance of good planning, risks and their mitigation. Structure of reports - scientific and financial.

READING LIST (MANDATORY AND RECOMMENDED)
- Blaženka Divjak (ed.): Projects in research and development, European programs, FOI, UniZg, Varaždin, 2009.
- http://ec.europa.eu/research/participants/portal/page/funding
- Various Calls for proposals, guidelines for proposals writing
- Peter A. Lawrence:. Real Lives and White Lies in the Funding of Scientific Research. Plos Biology, September 2009, Volume 7, 1-4,
- Donatella Verbanac: Postanite evaluator projekata u sklopu FP7 programa, mef.hr, prosinac 2012 (o evaluaciji EU projekata)

DESCRIPTION OF INSTRUCTION METHODS: Lectures, Seminars, Practical work, Round table discussion, work in small groups at project proposal’s writing and evaluations, preparation of project application, discussion and evaluation of the project proposals in groups

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Preparation and evaluation of project proposal

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2
Ordinal number: 76

Title of course/module: Liaison and consultative psychiatry

Status of course/module (required/elective): elective

Name of course/module teacher: Professor Rudolf Gregurek, MD, PhD

Names of course/module teacher/associate teacher: Vedran Bilić; Rudolf Gregurek

Language of instruction in course/module: Croatian or English, as required

Number of instruction hours: 30

Outline of course/module content


Reading list (mandatory and recommended)


Description of instruction methods: Lectures, practical, seminars

Description of course/module requirements: written exam (multiple choice questions)

Description of monitoring of teaching quality

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

Appointed ECTS: 4,5
ORDINAL NUMBER: 77

TITLE OF COURSE/MODULE: Telemedicine

STATUS OF COURSE/MODULE (REQUARED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Davor Miličić, MD, PhD, Assistant Professor Mirza Žižak, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Igor Filipčić
Miroslav Hanževački
Ivica Klapan
Ljerka Luić
Davor Miličić
Jelka Petrak
Sanja Poduje
Mario Ravić
Mario Starešinić
Krešimir Štambuk
Zoran Zorica
Mirza Žižak

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 20

OUTLINE OF COURSE/MODULE CONTENT

Health care service represents one of the pillars of every civilized society. It is implemented through the existing network of medical institutions on primary, secondary and third level. The quality of entire health system, among other things, depends on availability and timeliness of health care in rural areas where distance separates the patients from modern medical centers and therefore jeopardizes those patients additionally. By usage of modern telemedicine systems doctors on geographically dispersed locations, or within the same location, are able to communicate directly with patient and to consult mutually which enables them to share important medical information in any form.

We would like to demonstrate all basic characteristics important for developing as well as for understanding of modern telemedicine, such as: a) EU-CPME-Standing Committee of European Doctors) guidance for developing and application of telemedicine, b) application of a methodological approach to evaluate telemedicine programs and its effectiveness c) the problem of standardization and evaluation of telemedicine applications, d) the use of telemedicine technologies in online databases e) the creation of web sites for e-education in medicine, f) telemedicine education: a national interactive center of medical education, g) role of telemedicine in public health, h) guidelines for strategic planning of eHealth development, i) examples of business intelligence in telemedicine using IT simulation scenarios (demonstrations / exercises), j) the evidence-based effectiveness and efficiency of telemedicine implementation and examples economic justifiability and cost-effectiveness of telemedicine investments, k) business and scientific aspects of ICT in medicine and telemedicine, as well as the l) application of modern telemedicine in Croatian and world clinical practice of the 21st century: Telecardiology, Teledermatology, Teleorthopedics-computer assisted preoperative planning, Telesurgery with 3D-CAS support (preoperative planning, intraoperative guidance and postoperative analysis, tele-3D-virtual-
endoscopy and tele-virtual-surgery), m) presentation of tele-neurology-application software-Neuronet, n) Telemedicine as a diagnostic tool in the primary health care, o) Telemedicine project University Clinical Hospital Osijek: Tele-3D-Computer Assisted Surgery.

During practical exercises, each student will work independently on the computer (all computers are networked and connected to the Internet).

**READING LIST (MANDATORY AND RECOMMENDED)**


**DESCRIPTION OF INSTRUCTION METHODS:** Lectures, seminars, discussion groups, tele-video-conferences, practical work

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Test

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 3
ORDINAL NUMBER: 78

TITLE OF COURSE/MODULE: Translational medicine – from disease to gene

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Oliver Vugrek, PhD, senior research advisor

NAME OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Jelena Knežević
Oliver Vugrek

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 10

OUTLINE OF COURSE/MODULE CONTENT

Lecture: S-Adenosylhomocysteine hydrolase (AHCY) deficiency – example for Translational Medicine; Introduction to methods and techniques relying on the use of genetic information to determine the function of molecules encoded by the genome, a approach defined as «functional genomics». For a better understanding of the use of molecular methods in scientific research, S-Adenosylhomocysteine hydrolase deficiency (KBC Rebro, Zagreb) will be presented to demonstrate the effectiveness of Translational Medicine. Next-generation sequencing (NGS) technology, with its high-throughput capacity and low cost, has developed rapidly in recent years and become an important analytical tool for many genomics researchers. NGS continues to be deployed in clinical laboratories, and recently at Ruđer Boskovic Institute, enabling rapid transformations in genomic medicine. These technologies have reduced the cost of large-scale sequencing by several orders of magnitude, and continuous advances are being made. It is now feasible to analyze an individual's near-complete exome or genome to assist in the diagnosis of a wide array of clinical scenarios. Next-generation sequencing technologies are also facilitating further advances in therapeutic decision making and disease prediction for at-risk patients. During our course we will allow valuable insights into these new technologies.

Lecture: Molecular methods in the 'omic's' era: Introduction to omic's methods such as Genomics, Proteomics, Cellomics, Metabolomics etc

Practice: NGS technology for DNA and RNA analysis – sample preparation from different sources (parafin, blood biopsies etc).

Practice: Recombinant proteins, Benefits of recombinant DNA technology, heterologous gene expression, purification of recombinant proteins and their functional analysis.

Seminar- round table: NGS - Next generation sequencing in diagnostics; DNA chips, Application of chip technology in disease diagnosis

Journal Club: Discussion of most recent achievements in the field of NGS technology in oncology.

READING LIST (MANDATORY AND RECOMMENDED)


Honzik T; Magner M; Krijt J; Sokolova J; Vugrek O; Beluzic R; Baric I; Hansikova H; Elleder M; Vesela K; Bauerova L; Ondruskova N; Jesina P; Zeman J; Kozich V: Clinical picture of S-adenosylhomocysteine hydrolase deficiency resembles phosphomannomutase 2 deficiency. Molecular Genetics and Metabolism (2012); 107 (3), 611–613.


DESCRIPTION OF INSTRUCTION METHODS: Lectures, practice, seminar-group work; Journal Club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written exam with 10 questions

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 1,5
ORDINAL NUMBER: 79

TITLE OF COURSE/MODULE: Kidney transplantation

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Ivica Mokos, MD, PhD, senior scientist

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Nikolina Bašić Jukić
Marijana Ćorić
Tvrtko Hudolin
Petar Kes
Ivica Mokos

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 30

OUTLINE OF COURSE/MODULE CONTENT

The subject consists of the following themes: Legal, organizational and ethical problems of renal transplantation, The role of Eurotransplant, Updates in pathophysiology and treatment of acute kidney injury, Updates in dialysis: emerging risk factors and markers, Peritoneal transport characteristics, peritoneal dialysis and perspectives, Risk factors for nonimmunological complications of transplantation, Variables during care of donors that can influence outcome of kidney transplantation, Immunological aspects of transplantation, Predictive factors for graft survival during evaluation of patient on waiting list, Pretransplant operative procedures - possible impact on graft function, Outcomes following renal transplantation after multiorgan retrieval versus kidney-only retrieval in donation, The role of perfusion solutions and pulsatile machine vs.cold organ storage, Characteristics of kidney transplantation and retransplantation, Risk factors for surgical complications and their management, Percutaneous and endoscopic procedures in transplanted patients - impact on graft survival, Comparison of immunosuppressive protocols, complement-inhibitors, proteasome inhibitors, Future challenges to promote growth in children with renal failure, Specificity of "Senior program" in kidney transplantation, Updates in infections evaluation and management after kidney transplantation, Cellular mechanisms of immunosuppressive action and strategies for prevention of complications of immunosuppressive therapy, Updates in immunology of kidney rejection, New markers and meaning of graft biopsy result, Oncogenesis after kidney transplantation, The transplant initiative, preemptive transplantation, ABO incompatible transplantations, transplantation in children, A critical analysis of scientific papers, Final discussion.

READING LIST (MANDATORY AND RECOMMENDED)

- New scientific papers about kidney transplantation
DESCRIPTION OF INSTRUCTION METHODS: lectures, seminars, practicals, journal club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: test with 90 multiple choice questions

DESCRIPTION OF MONITORING OF TEACHING QUALITY

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 4,5
ORDINAL NUMBER: 80

TITLE OF COURSE/MODULE: Liver transplantation

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Asisstant Professor Tajana Filipec Kanižaj, MD, PHD, Professor Leonardo Patrlj, MD, PHD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:

Tajana Filipec Kanižaj
Slavko Gašparov
Leonardo Patrlj
Nikola Sobočan

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 22

OUTLINE OF COURSE/MODULE CONTENT

The Republic of Croatia for many years is the country with largest number of liver transplants per million population. Exceptional results of the transplant program are comparable with most developed countries. The signing of the cooperation with Eurotransplant in 2006 created the preconditions for cooperation and exchange of knowledge with the respectable scientists and clinicians from leading clinics in the European Union. After the course the participants will be able to critically follow literature in this field focusing on problems of organ donation, indications and contraindications for liver transplantation, surgical techniques, specific diseases treatment (viral, autoimmune, cholestatic and malignant diseases, alcoholic liver cirrhosis, acute liver failure, nonalcoholic statohepatits and rare liver diseases), immunosuppressive therapy, patohistological analysis of transplanted liver as well as peri- and post-operative complications.

The most current research in the filed of liver transplantation is directed towards the treatment of malignant diseases, discovery of new immunosuppressive protocols and prevention of viral hepatitis recurrence. The postgraduate course will introduce students with the knowledge on the latest developments in the filed of these topics. Problems related to organ shortage and the risk of malignant disease recurrence after transplantation accentuate the importance of the proper patient selection. Evaluation for neoadjuvant therapy eligibility, risk factors related to the disease recurrence after transplantation and molecular markers associated with the prediction of therapeutic response are the most active fields of research. Last five years hepatitis B and C therapy is an extremely active research area. In light of the discovery of new drugs, the application of a complete oral therapy in pre- and post-transplant period fundamentally changed the approach and the outcome of the transplant patients infected with these viruses. Calcineurin inhibitors in 80s revolutionized the survival outcome in the filed of liver transplantation. The use of these drugs on the other hand is associated with many detrimental side effects. Therefore, the current research is directed towards the discovery of new immunosuppressive drugs, the optimal immunosuppressive protocols based on individual patient characteristics, and the development of immune tolerance.

The curriculum is chronically divided into following subjects: Indications and contraindication for orthotopic liver transplantation (OLT); Indications for urgent liver transplantation; Artificial liver support for liver insufficiency; Advantages and disadvantages of Model of End Stage Liver Disease (MELD) score; Cadaveric and living donor liver transplantations, split liver transplantations; Surgical techniques and complications; Specific problems regarding underlying liver disease: cholestatic liver
disease: primary biliary cirrhosis, primary sclerosing cholangitis; viral diseases: chronic hepatitis C, chronic hepatitis B, hepatitis B and C co-infection and HIV infection, live tumors: hepatocellular carcinoma and cholangiocellular carcinoma, alcoholic liver disease and non alcoholic steatohepatitis; Immunosuppressive therapy: standard, specific protocols, mechanisms of action and side effects as well as new research in this field; Immunological and non-immunological complications after OLT. Pathohistological aspects of liver transplantation. This course should enable transplantation to progress further, while at the same time attracts young doctors and researchers resulting in multidisciplinary and intriguing research.

READING LIST (MANDATORY AND RECOMMENDED)

- Roche B, Samuel D. Prevention of hepatitis B virus reinfection in liver transplant recipients. Intervirology. 2014;57(3-4):196-201
- Parikh ND, Waljee AK, Singal AG. Downstaging hepatocellular carcinoma: A systematic review and pooled analysis. Liver Transpl. 2015 May
- Busuttil RW, Kintmalm GK. Transplantation of the Liver, Second Edition,
- Fung J at al Surgery of the liver and Biliary tract Saunders 2003.

DESCRIPTION OF INSTRUCTION METHODS: lectures, seminars, practical work
DESCRIPTION OF COURSE/MODULE REQUIREMENTS: written examination with multiple choices
DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x
APPOINTED ECTS: 3
ORDINAL NUMBER: 81

TITLE OF COURSE/MODULE: Liver transplantation in children

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Jurica Vuković, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Mirna Natalija Aničić
Marijana Ćorić
Tomislav Luetić
Vesna Medved
Lana Omerza
Ivica Sjekavica
Jurica Vuković

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 18

OUTLINE OF COURSE/MODULE CONTENT
Development of specific skills and critical analysis in pediatric liver transplantation. Following topics in pediatric liver transplantation will be covered – indications, surgical techniques and problems, cadaveric or living donor, rejection, immunosuppression, quality of life, ethics, coordination.

READING LIST (MANDATORY AND RECOMMENDED)

DESCRIPTION OF INSTRUCTION METHODS: lectures, seminar, practical lessons

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: practical assignment, oral

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 3
ORDINAL NUMBER: 82

TITLE OF COURSE/MODULE: The role of immunogenetics in transplantation

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Assistant Professor Renata Žunec, MD, PHD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Katarina Štingl Janković
Renata Žunec

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 22

OUTLINE OF COURSE/MODULE CONTENT

Historical discovery of MHC, evolution, animal model. Major Histocompatibility Complex in man - HLA (historical overview of discovery, experimental studies and nomenclature; localization, organization). Biological role of HLA (trimolecular complex; antigen processing and presentation). Structure of HLA Class I and Classs II genes and molecules. Update on HLA Nomenclature.


The role of HLA antibodies in organ transplantation (pre- and post- transplantation monitoring of donor specific antibodies DSA; cross-match, virtual cross match; % PRA, vPRA; highly sensitised patients). Posttransplantational monitoring of organ survival (hyperacute, acute and chronic rejection; chimerism follow-up; international project: «Collaborative Transplant Study»).

READING LIST (MANDATORY AND RECOMMENDED)

- Transplantation Immunology: Methods and Protocols (ur. AA Zachary, MS Leffell), Humana Press 2013, drugo izdanje
- Immunogenetics: Methods and Applications in Clinical Practice (ur FT Christiansen, BD. Tait), Humana Press, 2012
- Scientific papers: Clinical Transplantation, American Journal of Transplantation, Bone Marrow Transplantation, Tissue Antigens, Human Immunology, Immunogenetics, Genes & Immunity

DESCRIPTION OF INSTRUCTION METHODS: Lecture, Seminar, Practical work, journal club

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: oral exam

DESCRIPTION OF MONITORING OF TEACHING QUALITY
Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS: 3**
ORDINAL NUMBER: 83

TITLE OF COURSE/MODULE: Mental health service management

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Rudolf Gregurek, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Rudolf Gregurek
Neven Henigsberg

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 16

OUTLINE OF COURSE/MODULE CONTENT

Peculiarities of managing large institutions for mental health. Reorganization of Mental Health.

READING LIST (MANDATORY AND RECOMMENDED)

- Eurohealth: Health and Environment; Vol. 6 No 5, 2000/2001
- McKee M, Berman P. Health targets in Europe: learning from experience. Eur J Publ Health 2000: 10
- McKee M. An agenda for public health research in Europe. Eur J Publ Health 1998;8: 3-7

DESCRIPTION OF INSTRUCTION METHODS: Lectures, Seminars, Practical work

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Written exam (multiple choice questions)

DESCRIPTION OF MONITORING OF TEACHING QUALITY

anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
ORDINAL NUMBER: 84

TITLE OF COURSE/MODULE: Health and public health risks management in crisis situations

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Associate Prof. Iskra Alexandra Nola, Prof. Stjepan Orešković

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Ana Borovečki
Iskra Alexandra Nola
Stjepan Orešković
Ksenija Vitale

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 25

OUTLINE OF COURSE/MODULE CONTENT

Through this course, students will acquire basic and advanced knowledge on the concept of health/public health risks in emergency situations. It will be understood basic concepts such as crisis situations, accidents, disasters, alternative standards of care, responsibility, related to the different systems in Europe. Students will gain insight into the types of risks that are associated with different categories of emergencies, and will be able to apply the acquired knowledge to the depictions of specific cases (3 case studies - earthquake, terrorism, epidemics). The definition of risk in a crisis situation, the risk of treatment in a crisis situation, the responsibility of the involved persons and the services, ethics in health care and public health terms, the complexity of the concepts of utilitarianism and deontology applied in crisis action. The concept and definition of security of the personnel, the individual patient and the population. Sociological understanding of importance for preparedness and awareness for the prevention of health and public health risks in crisis situations. Rapid assessment of risks, availability of information and information management in crisis situations. Overview of international organizations, experiences and standards of the EU.

READING LIST (MANDATORY AND RECOMMENDED)

- Donal O'Mathuna, Bert Gordijn, Mike Clarke (eds.): Disaster Bioethics: Normative Issues When Nothing is Normal (selected chapters), Springer, 2014. ISBN: 978-94-007-3863-8 (Print) 978-94-007-3864-5 (Online)
- WHO. Environmental Health in Emergencies and Disasters. Wisner B, Adams J. (eds)
- Latest scientific reviews related to the course content
- The material prepared for the case studies.

DESCRIPTION OF INSTRUCTION METHODS: Lectures, Seminars, Practical work, Workshops

DESCRIPTION OF COURSE/MODULE REQUIREMENTS: Essay – Case study problem solving

DESCRIPTION OF MONITORING OF TEACHING QUALITY

anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 4
ORDINAL NUMBER: 85

TITLE OF COURSE/MODULE: Viral hepatitis

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Professor Marko Duvnjak, MD, PhD; Professor Adriana Vince, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Neven Baršić
Alma Demirović
Davorka Dušek
Marko Duvnjak
Tajana Filipec Kanižaj
Ivana Kurelac
Neven Papić
Tajana Pavić
Adriana Vince
Lucija Virović Jukić
Snježana Židovec Lepej

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 25

OUTLINE OF COURSE/MODULE CONTENT

READING LIST (MANDATORY AND RECOMMENDED)


• Selected scientific papers relevant to the topics.

**DESCRIPTION OF INSTRUCTION METHODS:** Lectures and seminars

**DESCRIPTION OF COURSE/MODULE REQUIREMENTS:** Written and oral

**DESCRIPTION OF MONITORING OF TEACHING QUALITY**

Anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

**APPOINTED ECTS:** 3,5
ORDINAL NUMBER: 86

TITLE OF COURSE/MODULE: Scientific approach to transfusion treatment

STATUS OF COURSE/MODULE (REQUIRED/ELECTIVE): elective

NAME OF COURSE/MODULE TEACHER: Prof. Jasna Mesarić, MD, PhD

NAMES OF COURSE/MODULE TEACHER/ASSOCIATE TEACHER:
Jasna Mesarić
Slobodanka Ostojić Kolonić

LANGUAGE OF INSTRUCTION IN COURSE/MODULE: Croatian or English, as required

NUMBER OF INSTRUCTION HOURS: 16

OUTLINE OF COURSE/MODULE CONTENT

The role of scientific evidence in transfusion treatment. Researches that have changed therapeutic viewpoints: model of acceptable transfusion threshold; and model of hemodilution. Clinical decision on transfusion therapy and volume replacement based on scientific evidence, with special reference to specific entities in surgery, internal medicine, paediatrics, oncology and gynaecology. Methodology of assessing transfusion therapy efficacy and justifiability as a scientific task in the process of improvement of transfusion treatment quality and safety. Transfusion treatment side effects (vein-to-vein haemovigilance). Alternative modalities of transfusion treatment.

The topics proposed will be adjusted to the group of students; an additional topic can also be introduced, depending on the specific interests of the students.

Final seminar: critical analysis of a scientific article on the topic (journal club).

READING LIST (MANDATORY AND RECOMMENDED)

- Szczepiorkowski ZM, Dunbar NM, Transfusion guidelines: when to transfuse. Hematology 2013; 2013:638-644
- Roback JD Evidence-Based Guidelines for Blood Transfusion. Infusion Nurses Society, 2012; 35: 187-190.2
- Databases (Ovid): EBM Reviews – ACP Journal Club and Cochrane bases: Controlled Trials Register, Database of Systematic Reviews, Database of Abstracts of Reviews of Effectiveness
DESCRIPTON OF INSTRUCTION METHODS: Lectures and seminars

DESCRIPTON OF COURSE/MODULE REQUIREMENTS: Oral exam

DESCRIPTON OF MONITORING OF TEACHING QUALITY

anonymous online questionnaire available at: https://tinyurl.com/y7agh69x

APPOINTED ECTS: 2,5
A.6. TEACHING AND RESEARCH CONDITIONS FOR IMPLEMENTATION OF THE DOCTORAL STUDY

A.6.1. LIST OF TEACHERS AND POTENTIAL SUPERVISORS

ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. Prof. Jakov Ajduk

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University hospital center Sestre milosrdnice, University of Medicine, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Elektrofiziološke metode u medicinskim istraživanjima

BIOGRAPHY

ENT specialist, ear surgeon and subspecialist of audiology, Department of ENT Head and Neck Surgery, University Hospital Center “Sestre Milosrdnice”, Zagreb, Croatia.

- 2017. ass. prof. at the School of Medicine, University of Zagreb.

Vice chairman of the Croatian Society of otology and neurotology.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Hyperbaric Oxygen Therapy as Salvage Therapy for Sudden Sensorineural Hearing Loss.
   Ajduk J, Ries M, Trotić R, Marinac I, Vlatka K, Bedeković V.

2. Significance of intraoperative findings in revision tympanomastoidectomy.


5. Nasopharyngeal bacterial flora in healthy preschool children during winter-spring months.
   Ries M, Kostić M, Zadravec D, Drvis P, Ajduk J, Trotić R.


8. Long-term functional outcomes after 10 years of bilateral cochlear implant use.


10. Clinical and pathophysiological patterns of otitis externa and overview of problematic cases.


Gagro A, Aberle N, Rabatić S, Ajduk J, Jelacić J, Dekaris D.

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

1. Hyperbaric Oxygen Therapy as Salvage Therapy for Sudden Sensorineural Hearing Loss.
Ajduk J, Ries M, Trotić R, Marinac I, Vlatka K, Bedeković V.

2. Significance of intraoperative findings in revision tympanomastoidectomy.


5. Nasopharyngeal bacterial flora in healthy preschool children during winter-spring months.
Ries M, Kostić M, Zadravec D, Drvis P, Ajduk J, Trotić R.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Cochlear implantation prognostic factors in very young children
Prognostic value of proteomic profile head and neck melanoma tissue grade i and ii
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Prognostic value of proteomic profile head and neck melanoma tissue grade I and II

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Miro Šimun Alebić, M.D., Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Maternity hospital and outpatient clinic Podobnik

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Metabolic Syndrome

BIOGRAPHY

EDUCATION:
- 1990-1996. Medical school, University of Zagreb
- 1998-1999. Medical internship, University Hospital Merkur, Zagreb
- 2000-2004. Obstetrics and gynecology specialisation, KB Merkur, Zagreb
- 2007-2009. Gynecological endocrinology and human reproduction subspecialisation, University hospital Vuk Vrhovac, Zagreb; Gynecology and Obstetrics Clinic, Zagreb

2014. Thesis defended „The associations between intermenstrual range and the metabolic characteristics in non-hyperandrogenic women with polycistic ovarian morphology“ at Medical school, University of Osijek

WORKING EXPERIENCE:
- 2004-2006. Policlinic Nemetova, Zagreb
- 2007-2010. University hospital Vuk Vrhovac, Zagreb
- 2010-2014. University hospital Merkur, Zagreb
- 2015- Maternity hospital and outpatient clinic Podobnik

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: /

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Dewailly D, Alebić MŠ, Duhamel A, Stojanović N. Using cluster analysis to identify a homogeneous subpopulation of women with polycystic ovarian morphology in a population of non-hyperandrogenic


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

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LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

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NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ana Alfirević, MD,PhD, Senior Lecturer

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: The Wolfson Centre for Personalised Medicine, Department of Molecular and Clinical Pharmacology, The Institute of Translational Medicine, Liverpool, UK

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pharmacogenomics

BIOGRAPHY

Born in Zagreb, Education: 2015 Postgraduate Certificate (PG Cert) in Teaching and Learning in Higher Education (Merit), 2005 PhD in Pharmacogenetics, 1997, MSc in Pharmacology, 1986 Dr Med (University of Zagreb, Croatia); Employment record: 2016- Current Reader in Pharmacogenomics, University of Liverpool, 2012-2016 Senior Lecturer in Pharmacogenomics, University of Liverpool, 2008-2012 Lecturer in Pharmacogenomics, University of Liverpool, 1998-2008 Research Associate at the University of Liverpool, 1991-1997, Career break following maternity leave, 1990-1991 Visiting Doctor, Nuclear Medicine Department, Royal Liverpool University Hospital, UK, 1986-1990 Specialist trainee in Oncology and Nuclear Medicine, Zagreb, Croatia; Leadership, professional and collegial experiences: British Pharmacological Society Australasian visitor 2015 award, Chair of the Steering Committee of the European Pharmacogenomics Research and Implementation Network (since 2014), Member of the International Society for the Study of Xenobiotics (ISSX), Editorial Board Journal of Personalised Medicine, MRCG/HRB Joint Funding Scheme, Joint Selection Committee member 2016, Dublin, Ireland, European Commission Health, Demographic Change and Wellbeing’ challenge under Horizon 2020 ‘Personalised Medicine’ (H2020-SC1-2016-2017) committee member 2016 Invited Expert on good pharmacogenomic practice and ICH E18 guideline (London, 2016),


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. *2013-2016 £636k, EU FP7 PREDICTION-ADR (Euro 3 mil), Personalisation of treatment in cardiovascular disease through next generation sequencing in adverse drug reactions (PI workpackage).

3. 2013-2015 £354k i4i NIHR, A biomarker panel to predict, diagnose and prevent HLA-mediated serious adverse drug reactions;

4. *2011-2013 £98k ERUK, Genetic markers for carbamazepine-induced hypersensitivity syndrome (PI);

5. 2010-2013 £350k EU FP7 Marie Curie Initial Training Network, Fighting Drug Failure.

6. *2012-13 $27k Gynuity Health Projects, Misoprostol induced hyperpyrexia (PI);

7. 2008-12 £399k EU FP7 framework, EURIPIDES - European Research initiative to develop Imaging Probes for early In-vivo Diagnosis and Evaluation of response to therapeutic Substances

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


2. *2013-2016 £636k, EU FP7 PREDICTION-ADR (Euro 3 mil), Personalisation of treatment in cardiovascular disease through next generation sequencing in adverse drug reactions (PI workpackage);


4. 2013-2015 £354k i4i NIHR, A biomarker panel to predict, diagnose and prevent HLA-mediated serious adverse drug reactions.

5. *2011-2013 £98k ERUK, Genetic markers for carbamazepine-induced hypersensitivity syndrome (PI)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Profesor Zarko Alfirevic

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Liverpool

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Evidence-based medicine

BIOGRAPHY

Specialist gynecologist and obstetrician, born 1959. in Zagreb.
Graduated at Zagreb University, school of Medicine 1989.
Since 1989 work ad gynecologist in UK. From 2003 Professor at Liverpool University, School of Medicine 2010.head of University department of obstetrics and gynecology and pediatrics, Liverpool University, 2014 i Director Harris-Wellbeing Centre.

Author of more than 200 scientific papers, principal investigator in many scientific projects and well as randomized controlled trials. Editor Cochrane Pregnancy Childbirth Group, 2013 president of Academic board Royal College of Obstetricians and Gynecologists.

Special interest highrisk pregnancy, fetal medicine, translation medicine and Evidence Based Medicine.

PROFESSOR OF FETAL AND MATERNAL MEDICINE/ HONORARY CONSULTANT OBSTETRICIAN, University of Liverpool and Liverpool Women’s Hospital

Head of Women’s and Children’s Health, Institute of Translational Medicine, University of Liverpool.

Director of Fetal Medicine Unit, Liverpool Women’s Hospital

Director of Harris Wellbeing Preterm Birth Research Centre

Research

My research interest is in fetal medicine, high risk obstetrics, methodology of randomised controlled trials, meta-analysis and Cochrane systematic reviews.

Membership of International and National Committees and Boards

- Royal College of Obstetricians and Gynaecologists – Chair of Academic Committee and Council Member (2013-2017)
- Cochrane Pregnancy and Childbirth Group – Joint Co-ordinating Editor (2007-date)
- NIHR HTA Commissioning Board Member (2013-2017)
- Cheshire and Merseyside NIHR Comprehensive Research Network – Clinical Lead for Reproductive Medicine, Children and Genetics (2014 -2018)

Keynote and plenary lectures

I gave more than 60 plenary lectures at international conferences including RCOG World Congress, World Congress in Fetal Medicine, European Congress in Perinatal Medicine and ISUOG.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2003

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


57: van ’t Hooft J, Duffy JM, Daly M, Williamson PR, Meher S, Thom E, Saade GR, Alfirevic Z, Mol BW, Khan KS; Global Obstetrics Network (GONet). A Core Outcome Set for Evaluation of Interventions to Prevent


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- Core support for UK based Cochrane Collaborative Review Groups: Pregnancy and Childbirth. DEPARTMENT OF HEALTH (UK); 01-APR-15 - 31-MAR-20 £1,015 310 (Principal Investigator)
- Harris Wow Centre for Preterm Birth Research WELLBEING OF WOMEN 01-APR-15 - 31-MAR-20 £993,820 (Principal Investigator)
- A Randomized Controlled Trial Of Sildenafil Therapy In Dismal Prognosis Early-Onset Intrauterine Growth Restriction (STRIDER) DEPARTMENT OF HEALTH (UK) 104937 01-MAR-14 28-FEB-19 £1,082,898 (Principal Investigator)
- Personalised medicine for pregnant women: novel metabolomic and proteomic biomarkers to detect pre-eclampsia and improve outcome. (IMproved Pregnancy Outcomes by Early Detection) IMPROvED EUROPEAN COMMISSION 104157 01-NOV-12 31-OCT-18 £213,560 (Co-applicant)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- Core support for UK based Cochrane Collaborative Review Groups: Pregnancy and Childbirth. DEPARTMENT OF HEALTH (UK); 01-APR-15 - 31-MAR-20 £1,015 310 (Principal Investigator)
- Harris Wow Centre for Preterm Birth Research WELLBEING OF WOMEN 01-APR-15 - 31-MAR-20 £993,820 (Principal Investigator)
- A Randomized Controlled Trial Of Sildenafil Therapy In Dismal Prognosis Early-Onset Intrauterine Growth Restriction (STRIDER) DEPARTMENT OF HEALTH (UK) 104937 01-MAR-14 28-FEB-19 £1,082,898 (Principal Investigator)
- Personalised medicine for pregnant women: novel metabolomic and proteomic biomarkers to detect pre-eclampsia and improve outcome. (IMproved Pregnancy Outcomes by Early Detection) IMPROvED EUROPEAN COMMISSION 104157 01-NOV-12 31-OCT-18 £213,560 (Co-applicant)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mirna Natalija Aničić, MD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine, University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liver transplantation in children

BIOGRAPHY


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Vuković, Jurica; Anićić, Mirna; Omerza, Lana; Senečić-Čala, Irena, Tješić-Drinković, Duška. Kronični hepatitis C-tražiti, opservirati ili liječiti. (Pedijatrija Danas: Novosti i perspektive)/ Tješić-Drinković, Duška; Vuković, Jurica; Barišić, Nina (ur.). Zagreb : Medicinska naklada, 2015.

Senečić-Čala, Irena; Tješić-Drinković, Duška; Vuković, Jurica; Omerza, Lana; Anićić Mirna. Biološka terapija i bioslični lijekovi u pedijatriji. (Pedijatrija Danas: Novosti i perspektive)/Tješić-Drinković, Duška; Vuković, Jurica; Barišić, Nina (ur.). Zagreb : Medicinska naklada, 2015.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Vuković, J; Bunić, M; Ille, V; Aničić, M; Omerza, L; Batinica S. Program transplantacije jetre u djece u Republici Hrvatskoj. Paediatr Croat. 2014;58 (Suppl 2): 8-12

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

225
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Mariastefania Antica, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY:

Molecular features of lymphocyte development, Immunological recognition

BIOGRAPHY


M. Antica’s current work concerns transcription factors that regulate lymphocyte development and their impairment in leukemia (M. Antica, et al 2008. Blood 111 3296 – 3297) and research on stem cells from the adult human thymus (partner on the FP7 Health project: Thymistem).

Research experience M. Antica has been working in the area of cellular and molecular biology, adult stem cells, transcription factors in lymphocyte and leukemia development and cancer medicine.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 5th June 2018.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


44. M. Antica (1997) Razvoj limfocita u kulturama fetalnih timusa (Lymphocyte development in fetal organ thymic cultures) in: Protočna citometrija u kliničkokeraterijskoj praksi (Flow cytometry in clinical applications), A. Stavljenić Rukavina, D. Batinić, L. Bilić-Zulle (Eds) Medical university of Zagreb, Zagreb, Croatia


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


2. L. Horvat , M.Antica and M. Matulić (2018) Effect of Notch and PARP Pathways’ Inhibition in Leukemic Cells. Cells, 7(6), 58,


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH SHE PARTICIPATED IN THE LAST FIVE YEARS

2013-2017. EU FP7- Health Innovation 2013.1.4-1 Funded from the European Union’s Seventh Programme for research, technological development and demonstration, „Development of Stem Cell Based Therapy for Thymic Regeneration, Thymistem“

2014-2016. Bilateral internationally project with Tsinghua University School of Medicine Kina Antica, M.i Wu L: “The function of transcription factors in the development of lymphocytes and dendritic cells”

2014 – 2018 Croatian Science Foundation IP-11-2013 „ Notch in hematopoietic stem cell differentiation and leukaemia development, NOBLE“

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Darko Antičević, professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Josip Juraj Strossmayer Osijek, School of dental medicine and health

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Understanding bone metabolism – basic science in clinical practice

BIOGRAPHY

Affiliation: Physician, Specialist-Consultant in Orthopaedics, Clinical Hospital Centre Zagreb, School of Medicine University of Zagreb

Education: 1973 Medical School, University of Zagreb

1979 Fellowship in Orthopaedics

1992-3 education Hospital for Joint Diseases, New York


Internal Clinic Zagreb,

Collaborator in 4 scientific projects, principal investigator “Genomic and proteomic analysis of biomarkers in rare skeletal disorders”

Teaching experience in undergraduate and postgraduate subjects.

Member of Editorial board Liječnički vjesnik, reviewer for Croatian Medical Journal, Pediatrica Croatica.

Member of Pediatric Orthopedic Society of North America (POSNA) and European Pediatric Orthopaedic Society (EPOS)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 11 September 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


POPIS IZABRANIH OBJAVLJENIH RADOVA U POSLJEDNJIH PET GODINA


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Associate in research projects of the Department of Orthopaedic Surgery:
1980. Frequency aseptically femoral head necrosis in a population with special emphasis on alcoholism;
1991.-1995. The study of deformations of the spine (scoliosis and kyphosis)
2007.-2009. Genomic and proteomic analysis of biomarkers in the blood in the rare bone disease (leader)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Nataša Antoljak, MD, PhD, associated professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Croatian Institute of Public Health and cumulatively at the Medical School, University of Zagreb.

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Epidemiological research methods

BIOGRAPHY

Working in the Department of Epidemiology of chronic mass diseases in the Croatian Institute of Public Health and cumulatively at the Medical School University of Zagreb. She graduated from the School of Medicine, University of Zagreb in 1987. and parallel at the Music Academy on the subject of professional piano on 1985. She also completed postgraduate studies at the Music Academy of the art training, followed by postgraduate study in Allergology and Clinical Immunology at the Medical School, University of Zagreb. After the defense master thesis on theme "Specific growth factor of liver and immune status in patients with liver disease," she successfully defended Ph.D. dissertation with theme: "Hepatocyte growth factor, endothelin, and antioxidant status in patients with alcoholic liver disease." She passed medical specialist exam in Epidemiology in 2007. She participates in the teaching of epidemiology at the undergraduate study (Croatian and English), postgraduate studies, doctoral studies, a co-leader a subject Clinical Toxicology With The Epidemiologic Methods at Pharmacy and Biochemistry Faculty, University of Zagreb. She was mentor for one student graduate thesis, and a member of the committee to review the work of two graduate and two choices for the scientific title. Professional activities is related to the area of epidemiology of chronic mass diseases, particularly the implementation of programs for early diagnosis of colorectal cancer, accidents, diabetes and cardiovascular disease, and the second part of the research application of new biochemical parameters in hepatology and gastroenterology, and other diseases (osteoporosis, diabetes, acute renal failure). She was author of 17 original scientific and expert papers, 78 conference reports, and two chapters in the manual for post-graduate studies, School of Medicine in Zagreb. She was a collaborator and co-author of the European guidelines for quality assurance in the screening for colorectal cancer, coauthor of the translation of medical English-Croatian dictionaries and proofreader of English-Croatian part of the dental bilingual dictionaries. She is an associate in several publications of the Croatian Institute of Public Health, and author and editor of several articles intended for the public at the website www.zdravlje.hr. She is a member of the team on project: "Glutathione S-transferase and superoxide dismutase in the etiopathogenesis of the disease" and "Risks of multiple accidents among the injured being treated in hospitals." She is a President of Commission for the implementation of the Croatian national program for early diagnose of colorectal cancer at the Ministry of Health and Welfare and a member of the expert committee for the same program.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: associate professor and higher scientific degree 2013.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


25. Antoljak N. Utjecaj majčinog pušenja i izloženosti duhanskom dimu iz okoliša tijekom trudnoće na tjelesnu težinu novorođenčeta i na kakvoću mlijeka u laktaciji (rezultati dvaju istraživanja)HCJZ 2007; 11. /www.hcjz.hr/old/clanak.php?id=13457


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Molecular pathobiocchemistry of hepatocyte proliferation (code: 3-01-253), principal investigator: prof. dr. sc. Elizabeta Topić, on the project from 1991-1994 as a begginer scientist

2. Pathobiokemic processes in the liver and influence on other organs (code 134003), principal investigator: prof. dr. sc. Elizabeta Topić, on the project from 1994 to 1999 as a PhD

3. The holder of the incentive subproject funded by the Ministry of Science and Technology of the Republic of Croatia: "Endothelin, liver growth factor, and antioxidative status in patients with alcoholic liver disease"

4. Molecular Biochemical Disorders in Acute, Chronic and Degenerative Diseases (code: 134019) Principal Investigator: Prof. dr. sc. Elizabeta Topić, on the project from 1999-2003 as a PhD and postdoctoral research assistant

5. Glutathione S-transferase and superoxide dismutase in etiopathogenesis of the disease, project associate, Faculty of Pharmacy and Biochemistry (Principal Investigator, Prof. Irena Žuntar, No. 006-0061245-0010), as a member of team

6. Risks for multiple accidents among hospital injured patients, project associate (Principal Investigator Prof. A. Vorko-Jović, No. 108-1080315-0255), as a member of team

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. Risks for multiple accidents among hospital injured patients, project associate (Principal Investigator Prof. A. Vorko-Jović, No. 108-1080315-0255), as a member of team

(IF THE TEACHER IS AT THE SAME TIME A POTENTIAL SUPERVISOR)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

in process
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mirjana Babić Leko, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb Medical School

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Neurobiology of aging

BIOGRAPHY

Mirjana Babić Leko studied on Faculty of Science, University of Zagreb (molecular biology). She attended PhD study Molecular Biosciences, Josip Juraj Strossmayer University of Osijek from 2012.-2017. She worked on Croatian Institute for Brain Research, University of Zagreb Medical School since 2012. as project collaborator and since 2015. as assistant at the Department of Neuroscience. She was collaborator of 6 scientific projects. She was trained at Wolfson Centre for Inherited Neuromuscular Disease Oswestry, UK (2014.), Laboratory of Neurogenesis and Neuropoiesis, Monserrato (Cagliari), Italy (2013.), Hannover Biomedical Research School, Hannover, Germany (2011.). She published 17 scientific papers (9 cited in Current Contents), two book chapters and 29 conference abstracts. She was awarded with ADRIS scholarship for PhD students (2016.), award for best poster in basic sciences - Croatian Congress on Alzheimer’s Disease CROCAD-16, Tučepi 2016. and CROCAD-14, Brela 2014., scholarship of University of Zagreb for PhD students and assistants in 2015., HEP donation in 2014., FEBS Short-term fellowship – Oswestry, UK 2014., scholarship of Italian Government (2013.) and scholarship of COST CM1103 action (2013.).


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2017: Potpora Sveučilišta u Zagrebu BM82/2017 „Određivanje propusnosti krvno-moždane barijere u Alzheimerovoj bolesti” (project collaborator)

2016: Potpora Sveučilišta u Zagrebu BM112/2016 „Mehanizmi neurofibrilarne degeneracije in vitro i in vivo” (project collaborator)

2015: Potpora Sveučilišta u Zagrebu BM112/2015 „Biološki biljezi Alzheimerove bolesti u cerebrospinalnoj tekućini” (project collaborator)

2012-2014: Hrvatska zaklada za znanost: „Otkrivanje i praćenje bioloških biljega radi rane terapijske intervencije u sporadičnoj Alzheimerovoj bolesti” (project collaborator) http://alzbiotrack.hiim.hr/

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

http://alztauproject.hiim.hr/

http://alzbiotrack.hiim.hr/
Maja Banović, MD, PhD

University of Zagreb School of Medicine

PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences”

ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Maja Banović, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Human Reproduction

BIOGRAPHY

Education
2018. Human reproduction specialist, Clinical Hospital Centre Zagreb
2016 Ph.D. in Medical Sciences, School of Medicine, University of Zagreb
2010. Obstetrics and Gynaecology specialist, Clinical Hospital Centre Zagreb
2004. M. D. degree, School of Medicine, University of Zagreb

Position
Since 2016. Senior Assistant, University of Zagreb, School of Medicine, Zagreb, Croatia
Since 2010. Clinical Hospital Centre Zagreb

Scholarships
2018. Erasmus scholarship for University of Zagreb teaching staff – training at St Thomas’ and Guy’s Hospital HNS Foundation Trust – Assisted Conception Unit, London, UK.

Mentorships and teaching
Integrated Undergraduate and Graduate Program School of Medicine at University of Zagreb curriculums obstetrics and gynaecology (Croatian and English).
Specialist postgraduate studies of School medicine and Obstetrics and Gynaecology at the Medical School of the University of Zagreb
Mentorship of 2 students graduate thesis.

Administrative activities
Secretary of the Croatian Society of Human reproduction and Gynaecological endocrinology, Croatian Medical Chamber.

Awards
Rector’s Award University of Zagreb School of Medicine for best student paper 1999/2000.

Memberships in Professional Associations
Croatian Society of Human reproduction and Gynaecological endocrinology, Croatian Medical Chamber.
Member of the Croatian Society of Gynaecologists and Obstetricians, Croatian Medical Chamber
Member of the Croatian Menopausal Society, Croatian Medical Chamber

Publications
Original scientific papers in WoS-indexed and other scientific journals
Total citations excluding self-citations:
Congress communications (abstracts) in SCI/CC-indexed journals (2)
Book chapters and textbook chapters (1)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: July 2016.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018. MELAdetect: Early Detection of Skin, Mucosal and Ocular Melanoma: Interreg-IPA CBC Croatia-Bosnia and Herzegovina-Montenegro – međunarodni projekt o prevencije i liječenju


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018. MELAdetect: Early Detection of Skin, Mucosal and Ocular Melanoma: Interreg-IPA CBC Croatia-Bosnia and Herzegovina-Montenegro – međunarodni projekt o prevencije i liječenju


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Ivo Barić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Medicine & University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected chapters in epileptology in developmental age

BIOGRAPHY

DATE OF BIRTH : August 22, 1959

POSITION TITLE
1. Full Professor of Pediatrics, School of Medicine Zagreb, Croatia
2. Head of the Division for Medical Genetics and Metabolic Diseases, Department of Pediatrics, University Hospital Center Zagreb, Croatia (Referral Center for Medical Genetics and Metabolic Disease of Children of the Ministry of Health, Republic of Croatia)

TRAINING (Start with University degree)

1983- graduated at School of Medicine in Zagreb
1984-1985 Internship in the University Hospital “Mercy Sisters”, Zagreb (prolonged due to 1 year compulsory army service)
1986-1988 research fellow at the Department of Paediatrics, University Hospital “Mercy Sisters”, Zagreb (during fellowship completed four semesters postgraduate studies “Allergology and Clinical Immunology”).
1988-1992 residency in paediatrics at the University Hospital Center Zagreb, ended with achieving status-specialist in paediatrics (during residency completed two semesters postgraduate studies “Clinical Paediatrics”)
1991 Fellowship lasting 10 months in Heidelberg, Germany; dealing with molecular genetics of phenylketonuria as a member of the Research group of the University Childrens’ Hospital Heidelberg
1996-1997- Fellowship in University Children’s Hospital in Marburg, lasting 10 months, supported by Alexander von Humboldt Foundation; dealing with organic acidurias and selective screening for inherited metabolic diseases
After that, numerous international symposiums, congresses and courses in the field of genetics and inherited metabolic diseases
2003- gained status of “subspecialist in medical genetics”
2012- completed „Good Clinical Practice Guideline Course”

INSTITUTION AND LOCATION DEGREE (if applicable) YEAR(s) FIELD OF STUDY

School of Medicine Zagreb Medical doctor 1983, Medicine
School of Medicine Zagreb Ph.D.1992, Medicine, thesis related to molecular genetics of phenylketonuria
Ministry of Health, Republic of Croatia Specialist in pediatrics 1992 Pediatrics
Ministry of Health, Republic of Croatia Subspecialist in medical genetics 2003 Medical genetics
A. Positions and Honors (Chronological order)

Positions and Employment

1984-1985 Internship in the University Hospital “Mercy Sisters”, Zagreb (prolonged due to 1 year compulsory army service)

1986 General practitioner

1986-1988 Research fellow at the Department of Paediatrics, University Hospital “Mercy Sisters”, Zagreb

1988-1992 Resident in paediatrics at the University Hospital Center Zagreb

1992-2009 Specialist in paediatrics at Division of Genetics and Metabolism, Department of Paediatrics, University Hospital Center Zagreb. The division is Referral Center for Medical Genetics and Metabolic Diseases in Children of Republic of Croatia.

2009- Head of the Division of Metabolic Diseases, Department of Paediatrics, University Hospital Center Zagreb.

2017- Head of the Division of Medical Genetics and Metabolic Diseases, Department of Paediatrics, University Hospital Center Zagreb (Referral Center for Medical Genetics and Metabolic Diseases in Children of Republic of Croatia, member of the European reference network for metabolic diseases “MetabERN”).

Since 1995 teaching paediatrics at Zagreb School of Medicine, from year 2008 as full professor of paediatrics.

Member of the Society for Study of Inborn Errors of Metabolism (Council member since 2013)

Member of the European Union Committee of Experts for Rare Diseases (EUCERD), after that member of the European Commission Expert Group on Rare Diseases

Member of the Advisory Board of the European Metabolic Group

Member of the Advisory Board of the Recordati Rare Diseases Foundation

Head of the Committee for Specialist Education in Pediatrics of the National Committee for Specialist Education of Medical Doctors of the Ministry of Health, Republic of Croatia

Head of the Committee for Newborn Screening of the Ministry of Health, Republic of Croatia

Honors and Awards

2005-2009 President of the Croatian Society of Human Genetics

Since 2009 Member of the Academy of Medical Sciences of Croatia

2005- “Award Ante Šercer” given by Academy of Medical Sciences of Croatia for the best article of Croatian authors in the field of medicine in year 2004 (Baric I, et al. S-adenosylhomocysteine hydrolase

2005 - Horst Bickel Award” for the discovery and further work on previously unknown inherited disorder of methionine metabolism- the S-adenosylhomocysteine hydrolase deficiency.

2010 - Award of the Croatian Paediatric Society for the best paper in the previous two years period (Barić I. Inherited disorders in the conversion of methionine to homocysteine. J Inherit Metab Dis 2009;32:459-71)

2012 - Award for best scientists at Zagreb School of Medicine for the last five year research period (2007-2011; was best ranked among paediatricians)

2016 - Member of the Court of Honour of the Croatian Medical Chamber


B. Selected peer-reviewed publications (see below in a separate part of this form)

Until April 2018, there were 80 publications in CC-journals, 84 in WoS Core Collection (SCI-EXP/SSCI), with in total 1683 citations and h-index 23. There are 150 publications in extenso, 20 chapters in textbooks and professional books and several dozen educational texts.

C. Editorial and other review activities

Communicating editor and now member of the Advisory Board in the Journal of Inherited Metabolic Disease.

Editor of the web-pages of the Croatian Paediatric Society.


Reviewer on two occasions of scientific projects for the agency of the Czech government and on few occasions for the Ministry of Science of the Republic of Croatia.Evaluator of a candidate for professor position at the University of Colorado, Denver, Colorado, USA.

D. Professional activities

Head of the Division of Medical genetics and Metabolic Diseases, Department of Paediatrics, University Hospital Center Zagreb.

Full professor of paediatrics at the University of Zagreb, School of Medicine.

Board member of the Croatian Pediatric Society.

President of the Section for Metabolic Diseases of the Croatian Pediatric Society.

Research activities: During entire carrier special research interest was for inborn errors of metabolism, since 2000 as principal investigator of the research project “Inherited metabolic and other monogenic
disorders of children”. The focus of interest is genotype-phenotype correlation in inborn errors of metabolism. In the last decade particular interest and efforts are directed to the S-adenosylhomocysteine hydrolase deficiency, a previously unknown inherited disorder of methionine metabolism, first reported by our group. This disease is a unique natural model for studying how disorders of methylation affect health and at the same time a poorly understood inherited muscle disease. We were involved in diagnostic work-up of most patients described so far worldwide, all having congenital muscle disease, and try to clarify the pathogenesis of this disease, with belief that this mechanism is important not only for this disease but also for other more common pathological muscle conditions.

So far, co-ordinator for Croatia in four international research projects funded by EU: “European network focused on Congenital Disorders of Glycosylation” (program FP6), “European Registry and Network for Intoxication Type Metabolic Diseases” (program DG Sanco), “Inherited neurometabolic diseases information network” (program DG Sanco) and “The network and registry for homocystinurias and methylation defects” (program DG Sanco).

Principal investigator in two interventional clinical trials.

Organizer and co-organizer of numerous national and international professional meetings (among them main organizer of “Orphan Europe Academy” - “4th Inborn Errors in Neonatology Course” in 2010 in Dubrovnik, « Southeastern Europe Inherited Neurometabolic Disease Networking Meeting in 2015 in Zagreb, « 49th European Metabolic Group Conference » in 2017 in Zagreb).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 14APR 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


spectrum, disease mechanisms, and therapeutic concepts. J Inherit Metab Dis. 2015 Nov 5. [Epub ahead of print]


Žigman D, Petković-Ramadža D, Vukojević N, Rüfenacht V, Barić I. Hypogammaglobulinemia and imaging features in a patient with infantile free sialic acid storage disease (ISSD) and novel mutation in the SLC17A5 gene. J Pediatr Endocrinol Metab 2018;31:1155-1159

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

"Inherited metabolic and other monogenic inherited diseases in children", “European network focused on Congenital Disorders of Glycosylation”(program FP6), “European Registry and Network for Intoxication Type Metabolic Diseases” (program DG Sanco), „Inherited neurometabolic diseases information network”(program DG Sanco) and “The network and registry for homocystinurias and methylation defects”(program DG Sanco).

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
"Inherited metabolic and other monogenic inherited diseases in children", “European network focused on Congenital Disorders of Glycosylation” (program FP6), “European Registry and Network for Intoxication Type Metabolic Diseases” (program DG Sanco), “Inherited neurometabolic diseases information network” (program DG Sanco) and “The network and registry for homocystinurias and methylation defects” (program DG Sanco).

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: prof. Nina Barišić, MD PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Pediatrics University of Medical School

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected chapters in epileptology in developmental age

BIOGRAPHY

prof Barišić Nina is full time tenured professor since 2016 in cumulative employment at the Faculty of Medicine University of Zagreb. Head of Division of Child Neurology since 2003. Head of the Pediatrics at University of Zagreb Medical School in 2 mandates (from 2009-2015) and acting director executive (2016 – 2017). Leader for Neurology at the postgraduate study (PS) ‘Pediatrics’ at the Medical School (Faculty of Medicine), University of Zagreb

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


EuroEPINOMICS-RES Consortium; Epilepsy Phenome/Genome Project; Epi4K Consortium. De novo mutations in synaptic transmission genes including DNM1 cause epileptic encephalopathies. Am J Hum Genet. 2014 2;95:360-70.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

2006 to 2011 "The role of subcortical structures in epileptogenesis", Ministry of Science and Technology of the Republic of Croatia, no. 108-1081870-1886 within the program of Academician Ivica Kostović "The Developmental Neurological Basis of Cognitive, Mental and Neurological Diseases"

2006 to 2011 "Changing the wall of telencephalon in the hydrocephalus" of the Ministry of Science and Technology of the Republic of Croatia, no. 3-01-267,

Since 2014, investigator and collaborator of the Euro-Epinomics International Consortium for Molecular Genetic Research of Epileptic Syndromes

since 2016. main investigator collaborator for Croatia for Epi 25 international project for molecular genetic sequencing in epileptic syndromes, Broad Institute MAAssachusetts USA

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

Since 2014, investigator and collaborator of the Euro-Epinomics International Consortium for Molecular Genetic Research of Epileptic Syndromes

since 2016. main investigator collaborator for Croatia for Epi 25 international project for molecular genetic sequencing in epileptic syndromes, Broad Institute MAAssachusetts USA

Since 2014, a partner in the project "Application of Next Generation Sequencing Technologies to a Large Group of Patients Affected by Unexplained Limb-Girdle Muscular Weakness: MYO-SEQ Project" (New Castle, UK, Prof. V.Straub) and Head of Croatia

Since 2014, partner on InnerMed project (Italy)

Since 2015, Member of the International Consortium and Scientific Advisory Board for the "Development of Best Practice Guidelines for Pediatric Charcot-Marie-Tooth Disease"

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist Prof. Stjepan Barišin, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinic for Anesthesiology, Reanimatology and Intensive Medicine, UH Dubrava, Av. G.Šuška 6, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Hand surgery

BIOGRAPHY

Education

1993 finished Medical School, University of Zagreb - MD
1997 attended the biennial postgraduate study (first year - Clinical pharmacology with toxicology; second year - Biomedical sciences)
2004 finished postgraduate study with topic “Preoperative beta-blockade of heart and hemodynamic response during inotrope support” and received scientific degree MSc
2007 defended thesis "Prolonged hemodynamic effect, safety and cardioprotective effect of levosimendan on myocardial function during and after off-pump coronary artery bypass grafting" and received scientific degree PhD
1997 teacher on University of Applied Health Sciences, Zagreb
2010 promoted by the Ministry of Health to the position - Primarius
2010 elected to the scientific position – Research associate for the field of Biomedicine and health, the field of clinical medical sciences, Faculty of Medicine, University JJ Strossmayer of Osijek
2012 elected to the position - College professor on University of Applied Health Sciences, Zagreb
2012 elected to the title - Senior assistant for the scientific field of Biomedicine and health sciences, scientific field of Clinical medical sciences, scientific branch of Anesthesiology and Reanimation in the Department of Anesthesiology, Resuscitation and Intensive Care Medicine, Faculty of Medicine, University JJ Strossmayer of Osijek
2013 elected to the position of Acting Head of the Department of Anesthesiology, Resuscitation and Intensive Care on University of Applied Health Sciences, Zagreb
2014 elected to the title – Assistant Professor on Faculty of Medicine, University JJ Strossmayer of Osijek
2017 elected to the scientific position – Senior research associate for the field of Biomedicine and health, the field of Clinical medical sciences, Faculty of Medicine, University JJ Strossmayer of Osijek

Work experience

1995 internship in University hospital Merkur, Zagreb
1996 - 2000 worked as a resident of Anesthesiology, Reanimatology and Intensive care medicine on Dpt of Cardiac anesthesia and intensive care in UH Dubrava
2000 - 2016 worked as a specialist on Clinic of Anesthesiology, Reanimatology and Intensive Care Medicine, UH Dubrava
2017 founder of Referral Centre of the Ministry of Health for Hemodynamic Monitoring in Intensive Care of Surgical Patients, the first referral centre in Croatia from the field of anesthesiology and intensive medicine

2016 – 2018 Head of Clinic of Anesthesiology, Reanimatology and Intensive Care Medicine, UH Dubrava, Zagreb

Research activities

2003 - 2006 scientific project “Modulation of systemic inflammatory response in heart surgery”, No 0198019 (Ministry of Science)

2006 - 2012 scientific project “Predictive Models in Health Care” No 108-0982560-0257 (Ministry of Science)

2013 - 2014 scientific project “Evaluation of potential tumor markers in the diagnosis and prognosis of hepatocellular cancer” (University of Zagreb)

2018 - National Coordinator and Researcher at the multicenter study - "MET-REPAIR study" under the European Society of Anesthesiology (ESA)

Publications

As author and coauthor, published about 50 papers (11 in CC) and abstracts

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: October 27, 2014
Assistant Professor on Faculty of Medicine, University JJ Strossmayer, Osijek

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2013 - 2014 scientific project “Evaluation of potential tumor markers in the diagnosis and prognosis of hepatocellular cancer” (University of Zagreb)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Neven Baršić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Viral hepatitis

BIOGRAPHY

Working experience and positions
2017 – assistant professor at University of Zagreb School of medicine
2015 – 2017 fellowship in gastroenterology and hepatology
2012 – specialist at Department of gastroenterology and hepatology, 'Sestre milosrdnice' University hospital, Zagreb
2008 – 2012 residency in internal medicine at 'Sestre milosrdnice' University hospital, Zagreb
2005 – scientific novice / teaching assistant at Zagreb School of Medicine, Internal medicine department and 'Sestre milosrdnice' University hospital, Department of gastroenterology and hepatology
2004 – 2005 internship at Clinical hospital for infectious diseases 'dr. Fran Mihaljević', Zagreb

Education
2013 PhD degree
2006 - 2012 Postgraduate PhD programme 'Biomedicine and health sciences' at University of Zagreb School of Medicine
1998 - 2004 University of Zagreb School of Medicine, MD degree


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
Project of the Croatian Ministry of science and sport 'Research of non-alcoholic fatty liver disease as a part of metabolic syndrome' (2006-2012)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
/

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
/
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences”

ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Silvio Bašić, MD, Phd, research associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University hospital Dubrava

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pathophysiology of the brain and CSF

BIOGRAPHY

Silvio Basic was born in 1968 in Zagreb, Croatia. His current post is Head of the Department of Neurology at the University Hospital Dubrava in Zagreb, Head of the Referral Centre of Croatian Ministry of Health for preoperative assessment of patients with pharmacoresistant epilepsy, Professor of neurology at the University of Applied Health Sciences in Zagreb, Assistant Professor of neurology at the University of Osijek and at the University of Mostar (Bosnia and Herzegovina). He studied medicine at the University of Zagreb School of Medicine and trained in Neurology at the University Hospital Zagreb, followed by several training courses in epileptology and invasive EEG monitoring. He was awarded a PhD in 2008 for his thesis on the role of PGP in epilepsy pharmacoresistance. During his professional career, his primary mission was improvement of epilepsy management, not only in Croatia but also in the whole region. In 2001 his team, first in the region, started using vagus nerve stimulation. In the following years, his enthusiasm and constant wish for improvement resulted in the implementation of stereoelectroencephalography (SEEG) as a standard procedure in preoperative assessment of patients with pharmacoresistant epilepsy in Croatia in 2012. Since then, his Centre is the only centre which has been performing this procedure in Croatia and neighbouring countries, including SEEG-guided RF-thermocoagulation as a treatment technique in a selected population of patients from 2015. He is very active in education, and from the beginning of his teaching experience he has been trying to emphasize the importance of epilepsy to medical students, neurology residents, neurologists and other medical specialists, mainly psychiatrists, internal medicine specialists and general practitioners. He introduced the epileptology course at the Medical School in Osijek (Croatia), and at the Medical School in Mostar (Bosnia and Herzegovina), and has been continuously organizing numerous teaching courses on epilepsy. Likewise, he regularly contributes to teaching courses, conferences and lectures around Europe. He chairs the Master’s course in Neurology at the University of Osijek. He has been a board member of the Croatian League Against Epilepsy since 2002, and a board member of the Croatian Neurology Society since 2013. In 2016, he was elected the President of the Croatian League Against Epilepsy. He is also a member of the NATO STO Human Factors and Medicine Panel. He was the president of the Organizing committee of thirteen national and international neurology conferences, and the president of the Organizing committee of the 8th ILAE Migrating Course on epilepsy held in Dubrovnik in 2014. His main research interest is pathophysiology and management of pharmacoresistant epilepsy. He has supervised 8 PhD students and is currently the mentor of 6 neurology residents. He has published over 40 peer-reviewed articles, 6 book chapters and 1 book. Silvio Basic is married, and has three children.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2010

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


12: French JA, Baroldi P, Brittain ST, Johnson JK; PROSPER Investigators Study Group. Efficacy and safety of extended-release oxcarbazepine (Oxtellar XR™) as adjunctive therapy in patients with refractory partial-

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

The role of genetic markers in the development of cerebral atherosclerotic disease

Functional Diagnostics of Brain Circulation

Phosphorylation of Protein in Development and Alzheimer's Disease

Research of efficiency of functional neurosurgical procedures

The role of vascular risk factors in the pathogenesis of Alzheimer's disease

Influenza and the share of pharmacogenetics in the development and outcome of acute and chronic diseases

1H-MRS changes in prediction of therapeutic response, relapse and depression recovery

Determinants and early diagnosis of motor neuronal diseases in the Croatian population

Pathophysiology of Severe Brain Injury and Craniosporal Volumetry

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

The role of genetic markers in the development of cerebral atherosclerotic disease

Functional Diagnostics of Brain Circulation

Phosphorylation of Protein in Development and Alzheimer's Disease

Research of efficiency of functional neurosurgical procedures

The role of vascular risk factors in the pathogenesis of Alzheimer's disease

Influenza and the share of pharmacogenetics in the development and outcome of acute and chronic diseases

1H-MRS changes in prediction of therapeutic response, relapse and depression recovery

Determinants and early diagnosis of motor neuronal diseases in the Croatian population

Pathophysiology of Severe Brain Injury and Craniosporal Volumetry
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Nikolina Bašić-Jukić, Prof, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Faculty of medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Kidney transplantation

BIOGRAPHY

Date of birth: July 15, 1971

1989-1994. School of Medicine, University of Zagreb

1994-1998. Assistant at Department of Anatomy, School of Medicine, University of Zagreb

1998-2002. Internship in Internal medicine, University Hospital Centre Zagreb

2002- Working at Department of Nephrology, Arterial hypertension, Dialysis and Transplantation, University Hospital Centre Zagreb


Current working position: specialist in internal medicine – nephrologist - Department of Nephrology, arterial hypertension, dialysis and transplantation, University Hospital Zagreb, Head of Dept for renal transplantation

Married, mother of two children

AWARDS:

1994. Award “Drago Perovic” for the best student of School of Medicine in academic year 93/94

1995. Award for participation in the most successful project of the year (Creative BioMolecules, Hopkinton, MA, USA)

1998. Award “Borislav Nakic” from Croatian Academy of Medical Sciences for the best paper published by the young author

1999. Award Zonta International for the achievements in genetics


2006. Award “Almae Matris Alumni Croaticae”- United Kingdom Association of Alumni and Friends of Croatian Universities for achievements in scientific work

2013. Award of City of Podgorica, Montenegro, for establishment of the renal transplant program in Montenegro
SCIENTIFIC EXPERIENCE:
1994-1998. Laboratory for mineralized tissues at Dept. of Anatomy, familiar with most of the methods in molecular biology that employ DNA and RNA, cell culture work
Experienced in work with laboratory animals (mice, rats)
From 1998. Epidemiological investigations – nephrology, dialysis and transplantation
2002- Investigations in the field of nephrology – molecular biology of kidney diseases

Scientific projects
participated in numerous scientific projects from the beginning of career,
leader of a project « Risk factors for development of atherosclerosis after kidney transplantation » financed by Ministry of science and sports.

Participation in editorial boards
She is Deputy editor of Bantao Journal, member of Editorial board of Acta Medica Croatica, and editor of thematic issues on nephrology of Acta Medica Croatica.

Reviewer
She was also invited reviewer of the Chilean and Slovenian goverment – evaluation of scientific projects.

Invited lectures:
More than 100 invited lectures in Croatia and abroad.

Professional work:
Head of department of peritoneal dialysis
Clinical coordinator for renal transplantation
Consultant nephrologist of University hospital Montenegro, Podgorica

Academic profession:
1994. to 1998. Assistant at Department of Aantomy, School of Medicine, University of Zagreb
2004. Assistant at Department of internal medicine, School of medicine, Zagreb
2008. Assistant professor at Department of internal medicine, School of medicine, University of Osijek
2009. Assistant professor at Department of internal medicine, School of medicine, Zagreb
2013. Professor at Department of internal medicine, School of medicine, University of Osijek

Professional and scientific interests:
Renal transplantation – immunology, complications of immunosuppressive therapy, cardiovascular risk factors in patients with end-stage renal disease, infections, malignancies
Peritoneal dialysis, hemodialysis, chronic kidney disease stages 3 to 5
Complications of chronic kidney disease (anemia, secondary hyperparathyroidism)
Bone morphogenetic proteins
Renal nutrition

Membership in societies
a. Croatian medical association
b. Croatian society for nephrology, dialysis and transplantation – vice-president
c. Croatian society for mineralized tissues
d. European renal association (ERA-EDTA)
e. European society for transplantation (ESOT)
f. International society of nephrology (ISN)

Publications: 250 scientific and professional papers, 75 abstracts at international congresses
Citations: 1400
H-index: 18

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


135. Ratkovic M, Basic-Jukic N, Radunovic D. Possible Sirolimus-Induced Acute


MONITORING AND THERAPY OF CHRONIC KIDNEY DISEASE-METABOLIC BONE DISEASE IN PATIENTS WITH CHRONIC KIDNEY DISEASE]. Lijec Vjesn. 2016 May;138(5-6):107-120.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
HERIC project, TRANSFORM study

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
HERIC project, TRANSFORM study

(If the teacher is at the same time a potential supervisor)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
4
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Vanja Bašić Kes, prof.dr.sc.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Electrophysiological methods in medical research

BIOGRAPHY

Professor Vanja Bašić Kes, MD, PhD obtained her M.D. with thesis honours at the School of Medicine, University of Zagreb (Croatia). She specialized in Neurology and subsequently obtained a Masters and a Doctorate degree in Clinical Neurology (Ph.D.). Her professional training included Fellowship in Neurology at the King’s College Hospital in London, United Kingdom and at the Weill Cornell in Salzburg, Austria. Professor Bašić Kes holds her professional appointments at the University of Zagreb (School of Dental Sciences), and University of Osijek (School of Medicine), Croatia, where she has been engaged as Professor and Assistant Professor of Neurology, respectively. She carries out clinical work and research, and teaches at graduate and postgraduate levels, and serves as regular Member of the National Croatian Scientific Advisory Board. She is the principal investigator of several major international studies on multiple sclerosis, rare diseases in neurology and on safe implementation of stroke treatments in Eastern Europe. She is also a Senior Associate of the Faculty of the School of Medicine, University of Zagreb. Professor Bašić Kes has been appointed Head of University Department of Neurology and Lead of Neuroimmunology and Neurogenetics Unit, at the Sestre milosrdnice University Hospital Centre. Her professional highlight is the establishment of the Referent Centre for the Management of Acute and Chronic Pain, and the Referent Centre for Neuroimmunology and Neurogenetics, at the University Department of Neurology, both acknowledged by the Croatian Ministry of Health. Prof. Bašić Kes is the leading expert in the field of neuroimmunology and neurogenetics. Her current research interest focuses on the remyelination, recovery and novel treatment options in multiple sclerosis. She implemented the Croatian Guidelines for the Treatment of Multiple Sclerosis and launched the first international biannual Neuroimmunology and Neuroimmunology congress. Professor Bašić Kes serves as the President of the Croatian Society for Neurovascular Disorders, the President of the Croatian Neuroimmunology and Neurogenetics Society, the President of the Croatian Society for Pain and the President of the Croatian Society for Stroke. She is also an Honorary Member of numerous professional associations and advisory boards, both national and international. Prof. Bašić Kes has published more than 300 articles in scientific journals, authored or co-authored several books and edited a number of others. She is also a member of editorial and advisory board and deputy editor of the Acta Clinica Croatica journal.

Address: Professor Vanja Bašić Kes, MD, PhD; Head of the University Department of Neurology, Sestre milosrdnice University Hospital Centre, Vinogradska cesta 29, 10 000 Zagreb, Croatia;

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: October 22. New Full Professor, University of Zagreb School of Dental Medicine

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

CURRENT CONTENTS CONNECT (CC-RADOVI)


CORE COLLECTION - INDEKSI SCIE I SSCI (SCIE RADOVI)


INDEX MEDICUS


List of published work in the last five years


6. Šklebar, Ivan; Šklebar, Duška; Bašić Kes, Vanja. Chronic Neuropathic Nonodontogenic Orofacial Pain and Depression- impact on the Quality of Life // Abstract Book of the 15th World Congress on Pain (IASP), Buenos Aires, Argentina

Buenos Aires, Argentina: IASP, 2014. (poster, international peer-review, abstract, scientific)
9. Vukasović, Ines; Tešija Kuna, Andrea; Bašić Kes, Vanja; Lisak, Marijana; Vrkić, Nada. Intrathecal immunoglobulin g and MRZ reaction in demyelinating diseases of central nervous system // Clinical chemistry and laboratory medicine / Plebani, Mario (ur.). Berlin: Walter de Gruyter GmbH, 2014. str. S1358-S1358 (poster, international peer-review, abstract, scientific)

10. Badel, Tomislav; Savić Pavičin, Ivana; Bašić Kes, Vanja; Zavoreo, Iris; Zadravec, Dijana; Kern, Josipa. Comparison of patients with orofacial pain caused by trigeminal neuralgia and/or temporomandibular joint disorder // Swiss archives neurology and pschiatry / Annoni J-M (ur.). Muttenz: EMH Swiss Medical Publishers Ltd, 2013. (poster, international peer-review, abstract, scientific)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

SCIENTIFIC PROJECTS

I. Croatian Science Foundation: New oral anticoagulants: correlation between drug and anticoagulant effect (code 8208; Noac acronym LAB), scientific field: Medicine and Health.
http://www.hrzz.hr/default.aspx?id=78&pid=8208&rok=2016-06

II. Ministry of Scientific and Technological Development of Republic of Serbia number 175031 (certificate attached)

III. Ministry of Science, Education and Sports: 3D Ultrasound and functional TCD in the assessment of brain circulation (code 0134015), scientific field: Biomedical sciences.
http://zprojekti.mzos.hr/page.aspx?pid=6&lid=1


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Scientific meetings:

I. 2nd Multiple Sclerosis Academy, International Postgraduate Course Program, Dubrovnik (18-22. lipnja, 2018.)

II. Third Croatian Neuroimunological Congress with International Participation from 16 to 17 March 2017 at the Multimedia Hall of KBC Sestre milosrdnice Vinogradarska c. 29, Zagreb

III. 1st Multiple Sclerosis Academy, International Postgraduate Course Program, Dubrovnik (26.-30. lipnja, 2017.)

IV. VIII. Congress of the Croatian Society for Neurovascular Disorders of the Croatian Medical Association with international participation, at the Multimedia Hall of KBC Sestremilosrdnice Vinogradarska c. 29, Zagreb (May 19-20, 2016)

VI. II. Croatian Neuroimunological Congress with International Participation, at the Multimedia Hall of KBC Sestre milosrdnice Vinogradarska c. 29, Zagreb (7-8 May 2015)

VI. VII. Congress of the Croatian Society for Neurovascular Disorders of the Croatian Medical Association with international participation, at the Multimedia Hall of KBC Sestre milosrdnice Vinogradarska c. 29, Zagreb (May 22-24, 2014)

EDUCATION OF SCIENTIFIC OR PROFESSIONAL MASTERS:
Member of the editorial board of the ACTA CLINICA CROATICA (Indexed in the Web of Science / Index, Medicus / MEDLINE, Scopus, Excerpta Medica / EMBASE); http://actaclinica.eu/about-acc/editorial-board/

MEMBERSHIP AND FUNCTIONS IN SCIENTIFIC AND PROFESSIONAL SOCIETIES:
- President of the Croatian Society for Neurovascular Disorders, Croatian Medical Association (2011-2018)
- President of the Croatian Society for Neuroimunology and Neurogenetics (2011-2018)
- President of the Croatian Society for Pain Prevention (2011-2018)
- President of the Croatian Society for Stroke (2011-2018)
- President of the Expert Committee on Medical Issues of the Association of Multiple Sclerosis Societies of Croatia (2011-2018)
- Member of the Croatian Acupuncture Society (2011-2018)
- Member of the Croatian Society for Prevention of Cardiovascular Diseases in Patients with Atrial Fibrillation (2011-2018)

Scientific lectures were held at international and domestic scientific conferences (from 2013 to 2018):
- IX. Vanja Bašić Kes. Neuromyelitis optica; 2nd Multiple Sclerosis Academy, International Postgraduate Course Program, Dubrovnik (18-22. lipnja, 2018.)
- X. Vanja Bašić Kes. MS therapy 2018; 2nd Multiple Sclerosis Academy, International Postgraduate Course Program, Dubrovnik (18.-22. lipnja, 2018.)
- XI. Vanja Bašić Kes. Brain atrophy and cognitive impairment in MS patients; 1st Multiple Sclerosis Academy, International Postgraduate Course Program, Dubrovnik (26.-30. lipnja, 2017.)
- XII. Vanja Bašić Kes. Mavenclad; treating highly active multiple sclerosis relapses MIND & BRAIN - 58th International Neuropsychiatric Congress (25.-27. svibnja, 2018.)
- XVI. Vanja Bašić Kes. Tecfidera-novel in treating MS; II. Croatian Neuroimunological Congress with International Participation, Zagreb (May 7-8, 2015)
A REVIEWER OF THE INDEXED JOURNAL ACTA CLINICA CROATICA, INDEXED IN THE WEB OF SCIENCE / SCIENCE CITATION INDEX, INDEX MEDICUS / MEDLINE, SCOPUS, EXCERPTA MEDICA / EMBASE) FOR THE FOLLOWING PAPERS:

ACC-2016-118: Localizing pain with Direct Question or Schematic Evaluation;
ACC-2016-010: Manuscript: 2016-010: Complete atrioventricular block and asystole during epileptic seizure: a case report;
ACC-2015-055: Combined Treatment Multiple Aneurysm Rupture;
ACC-2015-114: Regression of asymmetric upper extremities tremor after liver transplantation in a patient with hepatic encephalopathy: case report;
ACC-2014-102: Trigeminal neuralgia: assessment of neurovascular conflict by CISS and 2D-TOF MRI sequences;
ACC-2014-111: Correlation between Expanded Disability Status Scale, Depression, Quality of Life and Age in Patients with Multiple Sclerosis;
ACC-2014-133: BMP-7 protein expression is downregulated in human diabetic nephropathy;
ACC-2013-099: Association between dental and skeletal maturation stages in Croatian subjects;
ACC-2013-068: Stress, coping strategies and quality of life in individuals with gastrointestinal cancer;
NC-0008-2014: Complementary and Alternative Medicine in Multiple Sclerosis: Is that evidence based medicine?

Author or coauthor of university textbooks:
I. VanjaBašić Kes et al. Pain. in issue; On June 12, 2018, the approved university textbook at the Faculty of Dental Medicine, University of Zagreb; 328 pages - graduate / postgraduate / elective courses.
II. Vanja Bašić Kes et al. Neuroimmunology. Zagreb. Medical Publishing, 2015; 442 pages; university textbook at the Faculty of Dentistry of the University of Zagreb - graduate / postgraduate studies / elective courses.
III. Vida Demarin, Vanja Bašić Kes and associates. Headaches and other painful conditions. Zagreb. Medical Publishing, 2011; 400 pages and (university textbook at the Faculty of Medicine of the University of Mostar) - graduate / postgraduate / elective courses.

(IF THE TEACHER IS AT THE SAME TIME A POTENTIAL SUPERVISOR)
NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Drago Batinić, MD, PhD, tenured professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Medical School University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY:

BIOGRAPHY

Prof. dr. sc. Drago Batinić, Department of Physiology and Immunology, University of Zagreb School of Medicine, Šalata 3, and University Clinical Center Zagreb, Department of Laboratory Immunology, Kišpatičeva 12, HR-10 000 Zagreb, Croatia (dbatin@@mef.hr)


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1) Experimental and clinical bone marrow transplantation (1983-1986), Rudjer Boskovic Institute, Zagreb, project leader Boranić M.


4. Allogeneic bone marrow transplantation, CMST/MZOŠ (2002-2006), project leader Labar B.

5. Effect of bone marrow stromal cells on leukemic blast cell differentiation in acute leukemia. CMST/MZOŠ (2003-2005), project leader Batinić D.


7. The role of PI3K/Akt and MAPK in regulation of leukemic cell chemoresistance. CMST/MZOŠ (2007-2012), project leader Batinić D.

8. Factors determining severity and activity of GVHD after allogeneic stem cell transplantation, UKF (2013-2015), project leaders Nemet D and Pavletic SZ.


10. Signaling mechanisms and metabolic changes in the differentiation of acute myelogenous leukemia cells. Croatian Science Foundation /HRZZ (2017-2021), project leader Višnjić D.

11. New biomarkers of chronic graft versus host disease. Croatian Science Foundation/HRZZ (2017-2021), project leader Pulanić D.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. Factors determining severity and activity of GVHD after allogeneic stem cell transplantation, UKF (2013-2015), project leaders Nemet D and Pavletic SZ.


3. Signaling mechanisms and metabolic changes in the differentiation of acute myelogenous leukemia cells. Croatian Foundation for Science/HRZZ (2017-2021), project leader Višnjić D.


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 6

1. Bedalov G. Comparison of effects of TURP and ELAP on postoperative immune status of patients with prostate adenoma. University of Zagreb School of Medicine, Zagreb, 2003.

2. Forempoher G. The clinical relevance of proliferative and antiproliferative parameters in human meningioma. University of Zagreb School of Medicine, Zagreb, 2005.

4. Bojanić I. Peripheral blood stem collection by large volume leukapheresis procedure. University of Zagreb School of Medicine, Zagreb, 2009.


6. Prijić S. P-glycoprotein and activated signaling pathways PI3K/Akt and MAPK in acute myeloid leukemia blasts. University of Zagreb School of Medicine, Zagreb, 2014.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assoc. Prof. Natasa Beader, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb; Clinical Medical Center Zagreb, Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pathogenesis of infectious diseases

BIography


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 09.04.2018., associate professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. “Genotypes and virulence factors of the bacteria causative agents of hospital infections”, Croatian Ministry of Science, Education and Sport, no. 108-1080114-0017,

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

University of Zagreb short-term research grants-COLLABORATOR

2014: “Postexposure effect of metal chelators on carbapenemase producing Gram-negative bacteria”

2015: “Multiresistant Gram-negative bacteria in long term care facilities”

2016: “Carbapenemases in hospitals, nursing homes and environment”

2017: “Mechanisms of spread of OXA-48 carbapenemase”

2018: “Mechanisms of colistin resistance in Gram-negative bacteria”

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: VLADIMIR BEDEKOVIĆ, MD, PhD, PROFESSOR

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: SCHOOL OF MEDICINE, UNIVERSITY OF ZAGREB

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: ELECTROPHYSIOLOGICAL METHODS IN MEDICAL RESEARCH

BIOGRAPHY

Name: VLADIMIR BEDEKOVIĆ
Permanent address: Department of ENT, Head and Neck Surgery
Sestre milosrdnice University Hospital Center
Vinogradarska cesta 29, HR-10000 Zagreb
Telephone/Fax: 01 37 87 360; 01 37 68 293
E-mail: vladimir.bedekovic@kbcsm.hr
Date and place of birth: October 23, 1956, Vrbovec
Title and present position: MD, PhD, Professor, Senior Research Scientist
Head of ENT Department, Sestre milosrdnice University Hospital Center, School of Medicine
Subspecialist in plastic and reconstructive head and neck surgery

Education, Professional Training, Professional Appointments:

1981 Graduated from the Zagreb School of Medicine, University of Zagreb
1986 Residency training in Otorhinolaryngology and Head and Neck Surgery, ENT Department, Sisters of Mercy University Medical Center, Zagreb
1990 Specialist exam in Otorhinolaryngology and Head and Neck Surgery, ENT Department, Sisters of Mercy University Medical Center, Zagreb
1989 M. S. Thesis, „Hormonal Treatment of Endemic Goiter in Adolescents“, Zagreb Medical School
1989 Registered as a scientific researcher under the number 161420
1990 Assistant, School of Dental Medicine, University of Zagreb
1992 Assistant, School of Medicine, University of Zagreb
1997 Ph. D. Thesis, „Elektronystagmographic follow-up of functional modifications in vestibular nuclei and reticular formation“, Zagreb School of Medicine
2001 Senior instructor, School of Medicine, University of Zagreb
2003 Subspecialist exam in plastic and reconstructive head and neck surgery
2004 Assistant Professor
2005 Member of the Board for Doctoral Dissertations and Scientific Appointments, School of Medicine, University of Zagreb
2006 Senior Research Scientist
2009 Associate Professor
2009 Head, Chair of Otorhinolaryngology with Audiology and Phoniatry, School of Medicine, University of Zagreb
2011 Head, Department of Otorhinolaryngology and Head and Neck Surgery, Sisters of Mercy University Hospital, Zagreb
2016 Full-time Professor

Teaching Experience:
Undergraduate Teaching, School of Medicine, University of Zagreb

1990 Assistant in Otorhinolaryngology, School of Dental Medicine, Zagreb
1992 Assistant in Otorhinolaryngology, School of Medicine, Zagreb
2001 Senior Instructor in Otorhinolaryngology, School of Medicine, Zagreb
2004 Assistant Professor, School of Medicine, Zagreb
2009 Associate Professor, School of Medicine, Zagreb
2016 Full-time Professor, School of Medicine, Zagreb

Postgraduate Teaching, School of Medicine, University of Zagreb

1992 - present Postgraduate Study „Otorhinolaryngology and Head and neck Surgery“ – head, lecturer
Postgraduate Study „Clinical Oncology – Tumors of the Head and Neck“ – lecturer

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: DECEMBER 13th, 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- Prognostic factors of cochlear implantation in very small children

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- Investigation of the malignant larynx and hypopharynx tumors spread
- Tumor diseases – promotion of the prevention of the tumor diagnostic and curing
- Pentadecapeptide BPC 157 – further investigations
- Prognostic factors of cochlear implantation in very small children
- Prognostic value of the proteomic profile of the head and neck skin melanoma tissue, stage I and II (leader of the project in process)

(IF THE TEACHER IS AT THE SAME TIME A POTENTIAL SUPERVISOR)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 5


Vedran Hostić: Utjecaj zakrivljenosti usnog nastavka na intubaciju tijekom videolaringoskopije, Zagreb, 2017. (komentor)

Andro Košec: Prognostička vrijednost proteomskog profila tkiva melanoma kože glave i vrata u stadijima I i II Zagreb, 2017. (komentor)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Branka Bedenić, full professor tenure, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb, University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Multiresistant bacteria-causative agents of hospital infections

BIOGRAPHY

PERSONAL INFORMATION

Branka Bedenić, full professor tenure, Department of Microbiology, School of Medicine, University Hospital Center Zagreb, tel. 01 23 67 304, fax: 01 23 67 393, e-mail: branka.bedenic@kbc-zagreb.hr, Personal scientific number: 178 926, CROSBI link: http://bib.irb.hr/lista radova_autor=178926,

EDUCATION

1988- graduated from Medical School, University of Zagreb
1993- master's degree- basic experimental pharmacology, Medical School, University of Zagreb,
1998-PhD degree, Medical School, University of Zagreb.

Employment

since 2017 full professor tenure (School of Medicine, University of Zagreb),
Previous employments
2007-Associate professor
2002-Assistant professor,
1999-senior assistant

Since 2001-clinical microbiologist at University Hospital Center Zagreb,
1995-assistant,
1989-intern

Education abroad: 1993- Department of experimental pharmacology, «Max von Pettenkofer» Institute, Munich, Germany, 1994- Institute of Pharmaceutical Microbiology, University of Bonn, Germany, 1996-United Medical and Dental School, St Thomas’s Hospital London, United Kingdom, 1998- University Hospital Maastricht, the Netherlands, 1999- Institute for Medical Microbiology, University of Zurich, 2000-University of Athens, Greece, 2001- Arndt & Keeser, Hamburg, Germany, 2002-Department of Biochemistry, University of Aquilla, Italy, Institute of Microbiology and Hygiene, Technical University of Dresden, Germany, 2005-Department of Pathology, Section for Microbiology, School of Medicine, University of Verona, Italy, 2006–Asklepios University Clinic, Gauting, Germany, 2009-Institute for Microbiology and Hygiene, School of Medicine, University of Cologne, Germany, 2011-University Roma Tre, Rome, Italy, 2012-School of Medicine, University of Verona, 2014- Institute for Hygiene, Microbiology and Environmental Medicine, University of Graz, Austria, 2015- Institute for Hygiene, Microbiology and Environmental Medicine, University of Graz, Austria

FELLOWSHIPS AND AWARDS

1. 1996 Scholarship from British Society for Antimicrobial Chemotherapy (BSAC)
2. 1998. Fellowship from International Society for Infectious Diseases (ISID)
3. 1997. ESCMID travel award for young European scientists (ESCMID)
4. 1999. Fellowship from Federation of European microbiological Societies (FEMS)
5. 1999. Fellowship from Greek State Scholarship Foundation
6. 2002. Fellowship for postdoctoral research from Italian Government
7. 2003. Fellowship from DAAD (German Academic Exchange Service)
8. 2012 - award for successful scientific project from Medical School, University of Zagreb

SUPERVISION OF GRADUATE/ DOCTORAL STUDENTS AND POSTDOCTORAL RESEARCHERS

1. Marija Tonkić: Molecular characterization of Escherichia coli strains producing extended-spectrum β-lactamases in children and adult population. School of Medicine, University of Split, 2006.
3. Ivana Goić-Barišić: Mechanisms of reduced susceptibility to carbapenems in clinical isolates of Acinetobacter baumannii. School of Medicine, University of Split, 2009.
4. Sanda Sardelić: Metallo-β-lactamases in clinical isolates of Pseudomonas aeruginosa, resistant to carbapenems. School of Medicine, University of Split, 2010.
5. Mirna Vranić-Ladavac: Molecular characterization of carbapenemes in invasive and non-invasive isolates of Acinetobacter baumannii. School of Medicine, University of Zagreb.
6. Ljiljana Mihaljević: Effect of S(+) ketamine of antibacterial activity of bupivacaine, levobupivacaine and ropivacaine. School of Medicine, University of Zagreb. 2012.
7. Vlasta Zujić-Atalić: Comparison of molecular characteristics of carbapenemes in clinical isolates of Enterobacteriaceae collected in multicenter study. School of Medicine, University of Osijek, 2013.

Hosting of postdoctoral students: Karmen Godič-Torkar; fellowship from Croatian Ministry of Science, Education and Sport for study on carbapenemes in Bacillus cereus

TEACHING ACTIVITIES

Lectures, practices and seminars in basic microbiology and parasitology and clinical microbiology,
Since 2012 leader of the postgraduate study course in medical microbiology
Since 2012 Leader of the subject “Multiresistant bacteria-causative agents of hospital infections” at the PhD programme “Biomedicine and health”
2017-2017 leader of the subject “Clinical Microbiology”
2010-2015-leader of the subject “Metods for characterization of antimicrobial agetns” at the Faculty for Health Sciences.
2009-2015-leader of the small elective subject: Multiresistant bacteria
Since 2016-coordinator of the mentorship programme of ESCMID (European society for clinical microbiology and infectious diseases
Since 2016-mentor of the foreign students in CROMSIC programme
ORGANISATION OF SCIENTIFIC MEETINGS

Educational course: Septicemia:

Educational course “Multiresistant non-fermentative bacteria, School of Medicine, University of Zagreb, 10th March, 2017, number of participants: 30

Educational course " Causative agents of infections in long-term care facilities, School of Medicine, University of Zagreb, number of participants: 40

ORGANISATIONAL RESPONSIBILITIES

1990-2001- member of the University board for classification examinations

since 2012-member of the postgraduate education board

MEMBERSHIPS

Croatian Medical Association, ISID (International Society for Infectious Diseases), ESCMID (European Society for Clinical Microbiology and Infectious Diseases) since 2015 member of ESGAR

MAJOR SCIENTIFIC COLLABORATIONS Dr. Annarita Mazzariol, Department for Pathology, Section of Microbiology, University of Verona, Italy; collaboration on characterization of carbapenemases in Enterobacteriaceae, Prof. Andrea Grisold, Institute for Hygiene, Microbiology and Environmental Medicine, University of Graz, Austria; Collaboration on characterization of extended-spectrum β-lactamases, Prof. Paolo Visca, Department for Biology, University Rome 3, Rome, Italy; characterization of carbapenemases in Acinetobacter baumannii, Ass Prof. Karmen Godič-Torkar, Department for Sanitary Engeenering, Faculty of Health Science, University of Ljubljana, Slovenija, characterization of carbapenemases in B. cereus, Dr. Ivan Barišić, Austrian Institute for Techonology –collaboration in development of new diagnostic method (H

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: February 14th, 2017: full professor tenure

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

PAPERS INDEXED IN CC


6. Bedenić B. Selection of Klebsiella pneumoniae mutants with high level cefotaxime resistance during growth in serum, containing therapeutic concentrations of cefotaxime. Chemotherapy 2002; 48:10-14, IF:0.96, cit 4


PAPERS INDEXED IN IMI EM


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. 2007-2013 leader of the project “Mechanisms of resistance to antibiotics in Gram-negative bacteria financed by Croatian Ministry for Science and Education

2. 2007-2013-collaborator of the project financed by Croatian Ministry for Science and Education, leader Prof. dr. sc. Jasmina Vraneš „Effect of antibiotics on biofilm infections”

3. 2008-2013 collaborator of the project financed by Bosnian Ministry of Science and Education „Meticillin-rezistentni Staphylococcus aureus (MRSA) and Gram-negative bacteria producing extended-spectrum β-lactamases (ESBL) as causative agents of surgical infections“ leader: Prof.dr.sc.Selma Uzunović-Kamberović (Zenica,BiH).

4. Since 2015 partner in FAPIC project financed by Horizon program

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Since 2015 partner in FAPIC project financed by Horizon program

University of Zagreb research grants:

2014: Postexposure effect of metal chelators on carbapenemase producing Gram-negative bacteria

2015: Multiresistant Gram-negative bacteria in long term care facilities

2016: Carbapenemases in hospitals, nursing homes and environment

2017: Mechanisms of spread of OXA-48 carbapenemase

2018: Mechanisms of colistin resistance in Gram-negative bacteria

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 8
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: associate professor Ivan Begovac, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine Zagreb and University Hospital Centre zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liaison and consultative psychiatry

BIOGRAPHY

He graduated from the Faculty of Medicine in Zagreb in 1990. In 1996 he specializes in psychiatry. Since 2011, he has been head of the Pediatric and Adolescent Psychiatric Institute and Psychotherapy Clinic for Psychological Medicine. In 2000 he obtained his MA degree and in 2004 he received his doctorate in the field of pediatric and adolescent psychiatry at the Faculty of Medicine of the University of Zagreb. In 2001 he became a subspecialist in pediatric and adolescent psychiatry. In 1993 he was on a three-month scholarship entitled: Diagnostic and therapeutic understanding of anxiety disorders, Grace, Austria, under the mentorship of Prof. H. Zapotoczky. In 1996/1997 he was a one-year DAAD scholarship entitled: Investigating Protective Factors - Therapeutic Work with Refugee Children and Adolescents and Their Families, Hamburg, Germany, under the mentorship of Prof. Peter Riedesser. He graduated from a scientific seminar in Camposampier, Italy, in 2002. He has active knowledge of computer work, actively uses English and German. Has participated so far in a number of scientific projects. He is currently head of the scientific project title: personality traits and family of patients with eating disorders after recovery. In 2010 and 2011 he was awarded the Erasmus scholarship for the study room at the Psychoanalytical Institute in Ulm (responsible: Dr. Christine Schwilk), Germany and at the Clinic for Psychotherapy and Psychosomatics in Ulm, Germany (responsible: Prof. Dr. Harald Guendel and Prof. Dr. Joern von Wietersheim).

Participates in graduate (Psychological Medicine, Psychiatry) and Postgraduate Teaching (subjects: Psychiatric Psychiatry, Psychotherapy) at the Faculty of Medicine. He is the head of the subject and is Assistant to the postgraduate study program from Pediatric and Adolescent Psychiatry at the Faculty of Medicine. The head is two elective undergraduate courses: Horvat goes to the doctor; and Child in Crisis Diagnostic Methods in Child and Adolescent Psychiatry. He co-operates with a number of eminent experts from abroad (Prof. Achenbach from USA, Prof. von Wietersheim from Germany).

He has published more than eighty papers, presenting works at several domestic and foreign professional conferences. Since 2006 he has been admitted to the associate professorship of Senior Assistant at the Department of Psychiatry and Psychological Medicine, University of Zagreb Medical School. Since 2007, she holds the title of Primary. Currently President of HD for Pediatric and Adolescent Psychiatry and Psychotherapy at HZ. Since 2010, she has been a docent at the Faculty of Medicine. In 2010 he became a group analyst at the Institute for Group Analysis in Zagreb. Since the year 2010, psychoanalysis education has started in the psychoanalytic study group in Zagreb.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


- Burt, SA (Burt, S. Alexandra)[ 1 ] ; Rescorla, LA (Rescorla, Leslie A.)[ 2 ] ; Achenbach, TM (Achenbach, Thomas M.)[ 3 ] ; Ivanova, MY (Ivanova, Masha Y.)[ 3 ] ; Almqvist, F (Almqvist, Fredrik)[ 4 ] ; Begovac, I (Begovac, Ivan)[ 5 ] ; Bilenger, N (Bilenger, Niels)[ 6 ] ; Bird, H (Bird, Hector)[ 7 ] ; Chahed, M (Chahed,


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


- **Project from University Zagreb:** Therapeutic alliance as predictor of psychotherapeutic therapy in adolescents with anxiety disorders. Academic year 2014/2015; Leader: Doc. dr. sc. Zorana Kušević; sIvan Begovac- collaborator.

- **Project from University Zagreb:** Predictive research of therapeutic alliance and emotional regulation during therapy of adolescents with emotional problems. Academic year: 2013/2014; Leader: Doc. dr. sc. Ivan Begovac;

- **Project of Ministry of scince:** Characteristics of personality and families of patients with eating disorders after recovery. (108-0000000-3625); leader: Doc. dr. sc. Ivan Begovac (former leader prof. Vesna Vidović). Duration until 1.1. 2015.;

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- **Project from University Zagreb:** Concept of adequacy for therapy and emotional regulation during inpatient therapy in adolescents with psychic disturbances. Academic year: 2018/2019; Leader: Prof. dr. sc. Ivan Begovac;

- **Project from University Zagreb:** Predictive research of therapeutic alliance and emotional regulation during inpatient therapy of adolescents with mental disorders. Academic year: 2016/2017; Leader: Prof. dr. sc. Ivan Begovac;
- Project from University Zagreb: Therapeutic alliance as a predictor of psychotherapeutic therapy in adolescents with eating disorders. Academic year: 2015/2016; Leader: Prof. dr. sc. Ivan Begovac; 

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE:** 2 (Trpimir Jakovina and Maja Batista).
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Krešo Bendelja, PhD, senior scientific associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Center for Research and Knowledge Transfer in Biotechnology, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Mechanisms of allergic reactions

BIOGRAPHY

Born 15 Aug 1971. in Zagreb. PhD: Faculty of Natural Sciences, 2009. Zagreb. Senior research associate: 2010. Medical School Zagreb. Current employment: head of Lab. of Immunology, CRKTB University of Zagreb. Teaching responsibility: undergraduate program (Experimental Immunology at Faculty of Natural Sciences and Immunology at Faculty of Biotechnology, University of Zagreb) and graduate program (Mechanisms of Innate Immunity at School of Medicine, Innate Immunology and Immunobiology of vaccines at Faculty of Natural Sciences, University of Zagreb). Mentorships: 7 M.Sc. and 7 Ph.D. Scientific interests: innate and adaptive immune mechanisms in viral and chronic diseases. Memberships: International Clinical Cytometry Society, International Society for Advancement of Cytometry, European Federation of Immunological Societies, European Society of Clinical Microbiology and Infectious Diseases, Croatian Immunological Society. Publications: 34 (21 in CC), number of citations: 411.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2010

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

06/2017-06/2018 Croatian Academy of Sciences and Arts Resource Grant
Role of mesenchymal stem cells in modulation of a RSV infection

06/2016-09/2017 PoC6-160, HAMAG BICRO
Bacterial polysaccharide vaccines using lipid immunogens
2014, Fulbright Postdoctoral Award
Role for IL-17-LTB4-BLT1 axis in acute respiratory syncytial virus infection

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
4
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Vedran Bilić, MD, PhD.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinic for Psychological Medicine, KBC Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liaison and consultative psychiatry

BIOGRAPHY

From 1991 to the end of the Homeland War organized and conducted psychiatric protection of members of MUP and ZNG for the area of Karlovac. In 1999, the Croatian Medical Association awarded him a diploma for a special contribution. The Association of Croatian Volunteers of the Homeland War – Dubrava awarded him in 2006. a Thank you note. Many years he has participated in organizing and conducting several international psychotherapy schools in the IUC Dubrovnik framework. He is a Member of several domestic professional societies in which he actively participates (Institute for group Analysis Zagreb, Croatian Society for Psychoanalyzes Psychotherapy, Croatian Society for Psychosomatic Medicine, Croatian Psychiatric Society, Croatian Medical Association, Croatian Society of Balint groups). He was a lecturer at national and International congresses. Participated as a researcher in several scientific projects. He was a mentor of one graduate thesis, and now he's a mentor to a doctoral thesis. Specialist psychiatrist, subspecialist from psychotherapy, for many years successfully expertly and scientifically operates in several areas of psychiatry, especially psychotherapy. He was the mentor of one defended graduate thesis, and he is the current mentor of one doctoral thesis. So far 5 papers have been published in the Current Contents database, 3 work in the database Science Citation Index Expanded which are quoted 20 times in the ISI Web of the Knowledge database. He also Published 5 papers in peer-reviewed journals indexed in other databases and eleven chapters in books, four of which are university textbooks. He Presented works at National and International Congresses. He is a Member of several professional associations and is involved in various psychotherapeutic education, as well as in working with students.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: May 2017., Collaborative title of postdoctoral School of Medicine, University of Zagreb

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


a) Radovi objavljeni u bazi podataka Current Contens
1 put citirano u WOS IF 0,611
8 puta citirano u WOS IF 0,614

b) radovi indeksirani u Scinece Citation Index-Expand


2. Marčinko D., Bilić V. Family Therapy as Addition to Individual Therapy and Psychopharmacotherapy in Late Adolescent Female Patients Suffering From Borderline Personality Disorder With Comorbidity and Positive Suicidal History. Psychiatria Danubina, 2010; Vol.22(, No. 2);, pp 257-260. 1 put citirano u WOS IF 0,554


c) Radovi u časopisima refereriranim u Index Medicus, Excerpta Medica, Biological Abstract, Chemical Abstract, Clin PCYC-PSYC

Radovi u Science Citation Index:


Radovi objavljeni u drugim katalogiziranim publikacijama


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

He was involved as a researcher in the projects of the Ministry of science, education, and Sports:

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER: 10

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ass. Prof. Dubravka Bobek MD PhD.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital "Dubrava" Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Hand Surgery

BIOGRAPHY

Head of the Department of Physical and Rehabilitation Medicine and Rheumatology, Clinical Hospital Dubrava, Zagreb, Croatia

- implementation of a new IT program into the work process, resulting in the improvement and informatization of business processes in the work of the Department Center (eNartifying, eUputnica, eNalaz and eHZZORačun, ePrijemPacijenata - self-contained device and application module for fully independent registration of patients upon arrival at the Department)

- established ultrasound diagnostic activity of musculoskeletal diseases (since 2009 in routine practice of diagnostic UZV examination of the musculo-skeletal system).

- established Daily Hospital of the Department

- established Osteoarthritis School of the Department

-leader of the 1st class course at the Faculty of Medicine in Zagreb called "News in the Treatment of Knee Osteoarthritis". The course has gathered 25 lecturers from all over the University of Croatia and 150 participants. Writing a book on osteoarthritis is underway. The course was held 4.10.2018.

2016. Assistant Professor
Libertas International University, Zagreb, (Croatia)

2016. Scientific associates
School of Medicine, University of Zagreb, Zagreb, (Croatia)

2011 – 2014 PhD School of Medicine, University of Zagreb, Zagreb, (Croatia)

Since 2017 a lecturer at the private university "Libertas", subjects: Rheumatology, Physiotherapy, Exercises II and III. Since 2016, the subject of Rheumatology for regular and extraordinary students of II year physiotherapy at the Zagreb University of Health Sciences.

Lecturer in biomedicine and health care, field of clinical medical science, rheumatology.

From 2012 until today she is a lecturer at the doctoral postgraduate study in biomedicine and health, MF Zagreb, "Surgery of the hand".


2010 selection for lecturers in the field of biomedicine and health, field of clinical medical science, branch of physical medicine and rehabilitation in Zagreb University of Health.

During the study as a demonstrator participated in work with students during the microbiology exercise at MF University in Zagreb. A total of 47 scientific and professional papers were published, of which 18 were the first authors.

Author and co-author of 16 original scientific papers published in CC indexed journals, in SCI-Expanded and 12 scientific papers in extenso in journals indexed in Index Medicus / Excerpta Medica.
Published summaries in the supplements of indexed journals, as well as summaries that are published as textbooks in worksheets.

Since 2013, a member of the editorial board of the journal "Physical and Rehabilitation Medicine", a journal of the Croatian Society for Physical and Rehabilitation Medicine.

**DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:**

**LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**


- Bobek D, Jelušić M. Značenje prirodene imunosti u juvenilnom idiopatskom artritisu. Reumatizam, 2014

• Jelušić-Dražić M, Kovačić N, Grčević D, Bobek D, Vidović Potočki M, Malčić I, Lukić IK. The role of high mobility group box-1 (HMGB-1), S100A12 and receptor for advanced glycation end-products (RAGE) in systemic juvenile idiopathic arthritis, 17th European Paediatric Rheumatology Congress (PRES), Clinic and Experiment Rheumatol 2011;29:451


• Lipozenčić J. Jakić-Razumović J. Ljubojević S. Bobek D. Immunophenotyping as useful diagnostic method for atopic dermatitis. 3. Kongres hrvatskih dermatovenerologa s međunarodnim sudjelovanjem.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ines Bojanić, MD, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre, Department of Transfusion Medicine and Transplantation Biology
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Laboratory approach to haematopoietic stem cells transplantation

BIOGRAPHY
Date and place of birth
27.7.1964. Karlovac

Education
1988. Medical Doctor, Zagreb University School of Medicine
1990. postgraduate study in Oncology, Zagreb School of Medicine
1992 postgraduate study Mother and Child Health Care (1992), Zagreb School of Medicine
1993-1996, specialization in transfusion medicine, UHC Zagreb

Work experience
1990-1991 General practitioner, Zagreb
1993-1996 residency in transfusion medicine, UHC Zagreb
Since 1996, specialist-in transfusion medicine,
Since 2001. Head of Apheresis Unit, Department of Transfusion Medicine and Transplantation Medicine, UHC Zagreb

Academic degrees
2009 PhD Thesis: Peripheral blood hematopoietic stem cell collection with large volume apheresis, Zagreb School of Medicine

Teaching
-since 2002. College professor, University of Applied Health Studies Zagreb
-since 2006. -postgraduate studies: Biomedicine and Health Sciences; Transfusion medicine, Internal medicine, Haematology, Abdominal surgery, Anaestiology, Zagreb Medical School.

Publications
-author or coauthor of 6 papers in journals indexed in Current Contents
-author or coauthor of 4 papers in journals indexed in SCI-EXP/SSCI
-author or coauthor of 16 papers in journals indexed in Index Medicus, Excerpta Medica
-author or coauthor of 11 chapters in books
-coauthor of 5 chapters in textbooks
- author or coauthor of 10 abstracts and congress presentations published in journals indexed in Current Contents
- author or coauthor of 159 congress meeting presentation

Research interest
- clinical transfusiology, transplantation medicine, tissue and cell banking, quality assurance in health care

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:
03.10.2011. research associate

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2007.  project  Lymphoproliferative diseases and HSC transplantation; No.108-1081872-2061 Ministry of Health of Republic of Croatia

2007.  project  Molecular markers in solid tumors – predictiveand prognostic characteristics ; Np. 108-1080058-0047 Ministry of Health of Republic of Croatia

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2013.  project  “Clinical and biological factors determining severity and activity of chronic graft- versus-host disease after allogeneic hematopoietic stem cell transplantation, Unity Through Knowledge Fund (UKF)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

/
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Tomislav Bokun, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Gastroenterology, hepatology and clinical nutrition; University Hospital Dubrava

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Advanced ultrasonography in gastroenterology and hepatology;

BIOGRAPHY

Tomislav Bokun, MD, PhD, internal medicine specialist and gastroenterologist, born in 1982 in Zagreb. He graduated medicine and defended his thesis at the University of Zagreb School of Medicine, and for one year he worked as a research assistant at Imperial College London. He is associate faculty for university course on Pathophysiology and Pathology at University of Zagreb Faculty of Pharmacy and Biochemistry and also teaches at Gastroenterology residency program at University of Zagreb School of Medicine. His professional and research interests are ultrasound methods in hepatology and diseases of pancreato-biliary tract diseases. He authored and co-authored a dozen of scientific publications, of which 13 in Current Contents, and has more than 500 independent citations. He organizes Adriatic ERCP Workshop, and since 2013. he is the president of Youth Section of Croatian Society of Gastroenterology.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Associate researcher on project of the Croatian Science Foundation „The role of the Wnt signaling pathway in the epithelial-mesenchymal transition” 2016-2018. WNT4EMT (6625);

2. European Union European Regional Development Fund, Operational Programme Competitiveness and Cohesion, grant agreement no. KK.01.1.1.01.0007, CoRE – Neuro".

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Associate Professor Ana Borovečki, MD, PhD, MPH

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Health and public health risks management in crisis situations; Evidence-based medicine; Structure, methodology and functioning of scientific work 1; Characteristics of clinical medical research; Genomic approaches in biomedical and translational research

BIOGRAPHY

Ana Borovečki, was born in Zagreb in 1973 where she has finished Classical Gimansium. In 1998 she graduated medicine from the School of Medicine, University of Zagreb. In 2000 she got bachelor degree in philosophy and comparative literature from the School of Philosophy, University of Zagreb. In 2004 she got European Master of Bioethics degree from the Catholic University of Leuven, Belgium. In 2007 she got PhD degree from Radboud University in Nijmegen, the Netherlands. The title of the thesis was Ethics Committees in Croatia”. She is specialist of clinical pharmacology and toxicology and Master of Public Health. She works at Andrija Štampar, School of Public Health, School of Medicine, University of Zagreb, as Associate Professor.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Allina ce for Life, Horizont 2020 projekt
Osteopro spine, Horizont 2020 projekt
VAL-DE-END HRZZ projekt IP-06-2016
COST Action Disaster Bioethics

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Allina ce for Life, Horizont 2020 projekt
Osteopro spine, Horizont 2020 projekt
VAL-DE-END HRZZ projekt IP-06-2016
COST Action Disaster Bioethics

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

3
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assoc. Professor Fran Borovečki, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY:
Structure, methodology and functioning of scientific work 3: Research Projects;
Genomic approaches in biomedical and translational research;
Clinical neuropharmacology;
Research methods of psychological functions and behaviour;
Movement disorders;
Selected chapters of epileptology of developmental age;
Methods of molecular biology in medicine;

BIOGRAPHY

Professor Fran Borovecki was born in 1975 in Zagreb, Croatia. He graduated from Zagreb Medical School in 1999 and attained his PhD from Zagreb Medical School in 2004. He was a visiting research scientist at Harvard Medical School on several occasions from 2003 to 2007 and was also a visiting research scientists at New York University. Since 2007 he has headed the Department for Functional Genomics at the Center for Translational and Clinical Research, University of Zagreb School of Medicine. Since 2012 he has been employed as a board certified neurologist at the Department of Neurology, University Hospital Center Zagreb. Prof. Borovecki was appointed the acting Director of the Center for Translation and Clinical Research, University of Zagreb School of Medicine and University Hospital Center Zagreb in 2015. Since 2017 he serves as the Head of the Division for Movement Disorders, at the Department of Neurology, University Hospital Center Zagreb. Prof. Borovecki’s area of scientific and clinical interest is genetics of neurological diseases. He has published 59 scientific papers indexed in CC and WoS databases which have been cited 1961 times according to the Scopus database, published 12 book chapters and has held more than 40 invited lectures at national and international scientific conferences. Prof. Borovecki is the recipient of the Award for Best PhD Thesis defended at Zagreb Medical School for year 2003/2004 and was awarded the National Science Foundation of Croatia Scholarship and the Fulbright Scholarship, as well as Michael J. Fox Foundation Rapid Response Innovation Award.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 18.06.2012.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

EU FP7 - „Integrating and Strengthening Genomic Research in South-Eastern Europe – INTEGERS” (01. 05. 2008. – 30. 04. 2010.) - Koordinator

Unity through Knowledge Fund (UKF) - „Location analysis of alpha-synuclein promoter binding in Parkinson’s disease“ (01. 09. 2008 – 31. 08. 2010.) - Voditelj

Michael J. Fox Foundation – Rapid Response Innovation Award „Deciphering the molecular effects of alpha-synuclein in the nucleus: DNA binding and transcriptional dysregulation“ (2010.-2011.) - Voditelj
Sveučilište u Zagrebu Fond za razvoj – program Svijet – „Internacionalni okvir za unapređenje genomskih kapaciteta u biomedicinskim istraživanjima” (2011.-2012.) – Voditelj

MZOŠ RH - „Genomska analiza transkriptoma i interaktoma u bolesnika s kompleksnim bolestima” (2007.-2013.) - Voditelj


Parkinson’s UK – “The role of glycosylation in Parkinson’s disease” – Voditelj (2012.-2013.)


DAAD - „The role of nuclear alpha-synuclein on transcriptional modulation in mouse models of Parkinson’s disease” – Voditelj (2015.-2017.)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


DAAD - „The role of lysosomal dysfunction on protein accumulation in Parkinson's disease” – Voditelj (2018.-2019.)


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

4
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist.prof.dr.med. Zrinka Bošnjak

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: MEF Zagreb, UHC Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of molecular biology in medicine

BIOGRAPHY

Zrinka Bošnjak was born on September 18, 1972 in Split, Croatia. Graduated from the Faculty of Medicine of the University of Zagreb in 1997. and obligated to practice at the Clinical Hospital "Sestre Milosrdnice" and in 1999 passed a state examination at the Ministry of Health. Since 2004 she has been working at the Clinical Hospital Center in Zagreb where she has been granted specialization in clinical microbiology. Specialist exam in 2008. In 2007, she spent a month at the Masstrich School at the University Clinic. A month of education is being conducted in 2009 at the University Clinic in Muenster. In 2009 she was appointed as Assistant Professor of Medical Microbiology Department of Parasitology. Degree younger assistant achieved in 2010. Scientific associate since 2010. Senior research associate since 2012. The Doctor of Medical Sciences at the Faculty of Medicine of the University of Zagreb became 2009 defending her dissertation under the title "Mechanisms of Resistance to Betalactamic Antibiotics in Clinical Isolate of Klebsiella pneumoniae", Faculty of Medicine, University of Zagreb.

She is a collaborator on a scientific project approved by the Ministry of Science, Education and Sports of the Republic of Croatia. Areas of active interest: hospital infections, molecular typing of microorganisms, clinical microbiology, bacterial resistance to antibiotics. Other areas of interest: education in medicine, circulation of multi-resistant pathogens from the chronic sector to acute (hospital). She has participated as a lecturer at several domestic and international congresses. It is active in English speaking language and script. Sovereign uses MS Office applications and the Internet. Participated in international courses and workshops.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 30.06.2014.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Suetens C; National Contact Points for the ECDC pilot point prevalence survey; Hospital Contact Points for the ECDC pilot point prevalence survey. Euro Surveill. 2012 Nov 15;17(46). pii: 20316.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

University Support "Molecular Detection of Resistance Gene to the Carbapenem Group of Antimicrobial Agents in Enterobacteria and Acinetobacter Isolates in Surgical Patients"

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

Supervisor

Dr. Branka Bogdanića - «Analiza uporabe antimikrobnih lijekova i mikrobioloških nalaza kao metoda praćenja prevalencije bolničkih infekcija u kliničkoj bolnici»

K Krešimir Bašić, dr.med.dent."Utjecaj pušenja na mikrobiološki sastav subgingivnog prostora mladih ljudi"
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Jadranka Božikov, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: retired

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Medical Informatics Methods; Structure, methodology and functioning of scientific work 1; Structure, methodology and functioning of scientific work 2

BIOGRAPHY

Born in Zagreb where she was educated. Graduated in mathematics from University of Zagreb Faculty of Science in 1977. At the School of Medicine University of Zagreb she completed postgraduate studies in Public Health (Management and Planning in Health Sciences track) and received both, Master in Medical Science (1988) and PhD degree (1997). In 1978 she has joined the Department of Medical Statistics, Epidemiology and Medical Informatics of the Andrija Štampar School of Public Health, School of Medicine, University of Zagreb, firstly as a professional associate and assistant, then advancing in the scientific-teaching professorships from an assistant professor (1998), associate professor (2004) and full professor (2010) to the permanent tenure full professor (2015).

She participated in several internationally supported projects intended for capacity building in public health and medical education, the first one was joint project of the Andrija Štampar School of Public Health and JICA - Japan International Cooperation Agency that already in mid-1980-ties established a Croatian network for continuing education for primary health care by the use of digital and video technology. Within the frame of this project Jadranka payed three-month study visit to Japan in 1985 and participated in the development of e-learning course wares. She served as Director of the Andrija Štampar School of Public Health from 2007 to 2016. She participated in public health projects in South East Europe, contributed to several European associations like ASPHER (Association of Schools of Public Health in the European Region), serves as a member of the editorial board of several scientific journals and reviewer of project proposals for national research funding agencies. Simulation modeling and its application in public health and biomedicine has been in focus of her scientific interest from the very beginning of her career.

For more than a decade she served as an assistant to the director of PhD program in Biomedicine and Health Sciences contributing to the establishemnt and development of this PhD program based on the Bologna process principles in 2003, including the organization of two European conferences on harmonization of PhD programs in biomedicine and health sciences held in Zagreb in 2004 and 2005 that led to the adoption of the Zagreb Declaration on PhD programs in Biomedicine and Health Sciences and the Standards for PhD Education in Biomedicine and Health Sciences in Europe. As a result of these conferences, the organization named ORPHEUS (Organization for PhD Education in Biomedicine and Health Sciences in the European System) was established.

Jadranka published several textbooks in the field of medical informatics and the use of information and communication technology in biomedicine, medical education, public health and health care, and she is participating regulrly at domestic and international scientific and professional meetings in the field of medical informatics and public health. She published some 200 scientific and professional papers in international and domestic medical journals, of which over 50 are indexed in the Web of Science Core Collection database with more than 400 citations (h-index = 12).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 14 April 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Book editor:


Book chapters:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
MEDINFO – Curriculum Development for Interdisciplinary Postgraduate Specialist Study in Medical Informatics. Project financed by EC IPA4 Europeaid/131254/M/ACT/HR within the call „Further development and implementation of the Croatian Qualifications Framework” . Project run by two constituent units of the University of Zagreb - Faculty of Organization and Informatics and School of Medicine - ANDrija Štampar School of Public Health 2013-2015.
PH-SEE - Programmes for Training and Research in Public Health in South Eastern Europe, project financed by the Stability Pact for South Eastern Europe since 2001 and later by DAAD 2001-2010.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

(IF THE TEACHER IS AT THE SAME TIME A POTENTIAL SUPERVISOR)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Nada Božina, assoc. prof.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb, University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pharmacogenomics, Research Methods of Psychological Functions and Behavior, Selected chapters in epileptology in developmental age; Methods of molecular biology in medicine

BIOGRAPHY

Born in 1953. Education: 1977 dr med, University of Zagreb, School of Medicine (MEF). 1980 MSc- MEF Zagreb, 2005.-PhD- MEF Zagreb. Work experience: 2011-Head of Clinical Unit for Pharmacogenomics and Individualization of Therapy, Department of Laboratory Diagnostics (KZLD), University Hospital Centre (KBC), 1997-2011 Head of the Laboratory for pharmacogenetics KZLD, KBC Zagreb, 1987-1997 Head of the Laboratory of Cell Culture, Centre for Biomedical Research Zagreb (CBI), 1983-1987 Laboratory of cell culture CBI, 1979-1983 Specialization in internal medicine KBC Zagreb, 1977-1979 Internship, KBC Zagreb. The main scientific area of interest is pharmacogenetics / pharmacogenomics, genetic predisposition testing efficacy / side effects of drugs; the study of polymorphisms of metabolic enzymes, transporter proteins and receptors and their role in the variability of pharmacotherapy. Published more than 90 scientific papers, of which 48 in CC, have more than 1000 CC and SCI citations. Won several awards at international congresses. Mentor of 9 doctoral dissertations. Croatian delegate at the European Medicines Agency (EMA), the working group IPN ENCePP (European Network of Centre for Pharmacoepidemiology and Pharmacovigilance), and in the Working group for pharmacogenomics (EMA Pharmacogenomics working party) London, United Kingdom.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2017- project leader, "The role of pharmacogenetics in interactions and side effects of opioid drugs". Support from the University of Zagreb

2014-University of Würzburg "Molecular Basis of Neuropsychiatric Disorders" : Molecular Mechanisms of Posttraumatic Stress Disorder” financiran od Deutscher Akademischer Austauschdienst (DAAD), Stability Pact for South Eastern Europe.

2012- project leader "Pharmacogenomics and Pharmacovigilance - Prevention of Side Effects in Individualization of Therapy", Collaborative Project of Clinical Hospital Center Zagreb, School of Medicine, University of Zagreb, and Agency for Medicinal Product and Medical Devices.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018. The role of genomic polymorphism of cytochrome P450 metabolic enzymes (CYP) as a hepatotoxicity factor, supported by the University of Zagreb (leader, T. Božina)


2009-2013 "Inflammatory bowel disease" (MZOS Croatia, leader B. Vucelić).

2011- Golden Helix Foundation: "Establishing a European Pharmacogenomics Map: Towards Rationalization of Medical Treatment".

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

9
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Tamara Božina, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pharmacogenomics; Biochemical methods in biomedical research; Molecular and biochemical approach to genetic disorders; Methods of molecular biology in medicine

BIOGRAPHY

Born in Rijeka, 1980. Education: Faculty of Food Technology and Biotechnology (2009), Doctor of Medical Science (2014), Postgraduate Specialist Study Public Health at the University of Zagreb (2016). Employment: a research assistant at the School of Medicine, Department of Medical Chemistry, Biochemistry and Clinical Chemistry since 2009. She participates in under- and postgraduate teaching at the University of Zagreb. She has published 16 scientific papers. She participated in the realization of several domestic scientific projects. For scientific work she has won two first prizes at international conferences. The main scientific interests of Tamara Božina relate to genetic predisposition of individuals for the development of phenotypic traits related to obesity, dyslipidemia, metabolic syndrome and related cerebrovascular disorders and genetic factors in the form of variability of metabolic enzymes and drug carriers associated with pharmacokinetic modulation, pharmacodynamics and overall efficacy/toxicity of pharmacotherapy.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2012. - „Lipoprotein-associated phospholipase A2 (Lp-PLA2), a risk factor and a possible therapeutic goal in cardiovascular diseases“, project leader Jasna Lovrić

2013. - „Genomics and Proteomics of Risk Factors of Atherosclerosis“, supported by the University of Zagreb, project leader Jadranka Sertić

2014. - „The role of genetic and biochemical markers in the development of early stroke“, supported by the University of Zagreb, project leader Jadranka Sertić

2015. - „The role of genetic and biochemical markers in the development of early stroke“, supported by the University of Zagreb, project leader Jadranka Sertić

2015. - „Biomarkers in Schizophrenia - Integration of complementary presence in the monitoring of persons with the first psychotic episode“, HRZZ, project leader Martina Rojnić Kuzman

2016. - „Interaction of Hp, CYP2C9, CYP2C19, and PPARγ in the development of cerebrovascular ischemic stroke“, supported by the University of Zagreb, project leader Jadranka Sertić

2018. - „The role of genetic polymorphism of metabolic enzymes P450 (CYP) as a factor for hepatotoxicity“, supported by the University of Zagreb, project leader Tamara Božina

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2014. - „The role of genetic and biochemical markers in the development of early stroke“, supported by the University of Zagreb, project leader Jadranka Sertić

2015. - „The role of genetic and biochemical markers in the development of early stroke“, supported by the University of Zagreb, project leader Jadranka Sertić

2015. - „Biomarkers in Schizophrenia - Integration of complementary presence in the monitoring of persons with the first psychotic episode“, HRZZ, project leader Martina Rojnić Kuzman

2016. - „Interaction of Hp, CYP2C9, CYP2C19, and PPARγ in the development of cerebrovascular ischemic stroke“, supported by the University of Zagreb, project leader Jadranka Sertić

2018. - „The role of genetic polymorphism of metabolic enzymes P450 (CYP) as a factor for hepatotoxicity“, supported by the University of Zagreb, project leader Tamara Božina
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Sanja Brangan, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, methodology and functioning of scientific work 2 (topic: Language and style of scientific writing)

BIOGRAPHY

Sanja Brangan is a research associate in interdisciplinary field of sciences (Biomedicine and Health Sciences - Public Health; Humanities - Philology); researcher ID: 264176 - Sanja Kušec. She graduated from the School of Humanities and Social Sciences in 1990 (English language and literature; Italian language and literature), and received her Master in Public Health degree in 2005 (thesis: Harmonization of professional and lay terminology in doctor-patient relationship) and her PhD degree in 2011 (thesis: Development of readability formulas for healthcare communication in Croatian language) from the School of Medicine, University of Zagreb. Her research focuses on linguistic aspects of healthcare communication, primarily on health literacy, readability formulas, language and style of scientific writing, and analysis of linguistic corpora in biomedicine. She has published 10 original research papers, 1 review paper, and 2 professional papers (total IF = 28.810; 99 citations), and has presented her research results at national and international conferences. Also, she has been involved in linguistic validation of patient questionnaires for over 20 years, and in translation and English language editing of scientific papers since 1993. She has been teaching Medical English to graduate medical students since 2000, and Language and Style of Scientific Writing to PhD biomedical students since 2002. Between 2004 and 2012, she was involved in teaching medical students at the School of Medicine in Zagreb with the topic on doctor-patient communication, and psychology students at the Osijek University with the topic on communication with patients and health literacy.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: N/A

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Kušec S. Scientific writing in English for PhD biomedical students. 15th Annual HUPE/IATEFL-TESOL Conference, Šibenik, 2007. (abstract)

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

'Scientific foundations of quality in health care' (principal investigator: Stjepan Orešković, PhD, School of Medicine, University of Zagreb), 2003-2006

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

'European Network for Alcohol Health Literacy' (COST Action - international 4-year project proposal, 2018)

'Figurative language in health communication' (principal investigator: Mario Brdar, PhD, Faculty of Humanities and Social Sciences, University of Osijek), 2018-2019

'Development of model and instrument for health literacy assessment in Croatia' (principal investigator: Miroslav Mastilica, PhD, School of Medicine, University of Zagreb), 2007-2013
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: prof.dr.sc. Boris Brkljačić

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Application of Doppler in research and diagnosis of diseases of blood vessels, Hand surgery; Morphological research methods in biomedical sciences; Advanced ultrasonography in gastroenterology and hepatology

BIOGRAPHY
Board certified radiologist, subspecialist of interventional radiology and ultrasound, full permanent professor, Cathedra of Radiology, chairman, Department of diagnostic and interventional radiology MEF UH „Dubrava“. Vice-dean for science, University of Zagreb School of Medicine and Chair of Radiology Cathedra.


Honorary member, Israel Radiological Association, Hungarian Radiology Society, Bulgarian Association of Radiology, Romanian Society of Imaging and Radiology, Belarus Association of Radiology, Slovenian Society for Ultrasound in Medicine

Education in Thomas Jefferson University, Philadelphia and Memorial Sloan Kettering Cancer Center, Cornell University, New York City.

Invited lectures at over 260 congresses, professional meetings and institutions in Croatia, USA, Australia, China, Korea, South Africa, Colombia, Israel, Egypt, Iran, Dubai, Qatar, Georgia, Kazakhstan, and over 20 European countries. Organized 32 congresses/professional meetings, president of joint congress of European Society of Urogenital Radiology and U.S. Society of Uroradiology in Dubrovnik 2011. Visiting professor, Department of Radiology, Memorial Sloan Kettering Cancer Center, New York City. Vice-president, European Congress of Radiology 2019. President European Congress of Radiology 2020.

Author of two monographic textbooks, 59 chapters in foreign and domestic books, 110 scientific and professional papers. 1.348 citations (SCOPUS); h-index 21. Editor-in-chief Journal of Ultrasound (SIUMB). Editorial Board member „Ultraschall in der Medizin“ (EFSUMB). Principal Investigator at three competed scientific projects of Ministry of Science of Croatia, PI of active investigative project of Croatian Science Foundation (2017-21).


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Principal investigator:

Application of Doppler in diagnosis of Kidney Diseases in Adults and Children (044-003) 1999-2002


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
IP-2997-16 CSF Sonoelastography and MRI in diagnosis of breast cancer 20.3.2017—19.3.2021
Life Science Alliance: Closing Researc and Innovation Divide in the EU H2020-SC1-2017-779303

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

12
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Srecko Budi, MD PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Dubrava
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Hand Surgery, Microvascular tissue transfer

BIOGRAPHY
Name: Srecko Budi, MD, PhD, Ass. Prof.
Occupation
- Specialist of Plastic, Reconstructive and Aesthetic surgery
- Specialist of General Surgery
Address /Work/
Dept. of Plastic, Reconstructive and Aesthetic Surgery
(accredited by EBOPRAS for educational exchange programmes)
University Hospital Dubrava
Avenija Gojka Suska 6
10 000 Zagreb
Croatia,
Certificates
- Medical Doctor (MD); Ministry of Health, Zagreb, Croatia, June 26, 1989 /BACHELOR OF MEDICINE/
(Graduation Thesis: Artificial Ligaments of the Knee)
- Medical Doctor /License/; Ministry of Health, Zagreb, Croatia, June 29, 1990
- General Surgeon; Ministry of Health, Zagreb, Croatia, June 25, 1996
- Master of Science (MSc); Postgraduate Study of Natural Sciences, Department of Biology, Division of Biomedicine, Zagreb, Croatia, July 10, 1998
(Master of Science Thesis: Experimental Model of Modified Basket-Like Plate in the Case of Patella Fractures)
- License for Independent Work, Republic of Croatia, Croatian Medical Chamber, Zagreb, December 20, 2002 (This license was issued for the period from December 20, 2002 to December 19, 2008)
- Doctor of Science (Ph. D.), University of Zagreb, Medical School, Zagreb, Croatia, September 15, 2003
(PhD Thesis: Mathematical-Anthropological Determination of NAC Position in Male)
- Plastic Surgeon; CSPRAS; Ministry of Health, Zagreb, Croatia, June 09, 2003
- License for Independent Work, Republic of Croatia, Croatian Medical Chamber, Zagreb, May 12, 2009 (This license was issued for the period from December 20, 2008 to December 19, 2014)
- Senior Research Associate in the Scientific Field of Biomedicine and Health – Field of Clinical Medical Science, Scientific Field Committee for the Field of Biomedicine and Health – Field of Basic
Medical Sciences, Clinical Medical Sciences, Public Health and Health Protection, Dental Medicine and Pharmacy, Zagreb, Croatia, September 18, 2006

- Assistant Professor, University of Zagreb, Medical School, Zagreb, Croatia, October 07, 2009
- Science Advisor in the Scientific Field of Biomedicine and Health – Field of Clinical Medical Science, Scientific Field Committee for the Field of Biomedicine and Health – Field of Basic Medical Sciences, Clinical Medical Sciences, Public Health and Health Protection, Dental Medicine and Pharmacy, Zagreb, Croatia, March 24, 2011
- License for Independent Work, Republic of Croatia, Croatian Medical Chamber, Zagreb, January 30, 2015 (This license was issued for the period from December 20, 2014 to December 20, 2020)
- Associate Professor, University of Zagreb, Medical School, Zagreb, Croatia, May 02, 2016

Previous Experiences (Fellowships)
- Plastic Surg., Division for Plastic, Reconstructive and Hand Surgery, University of Zürich, Medical School, Zürich, Switzerland, 1998/2000 /fellowship/
- Plastic Surg., Behandlungszentrum Vogtareuth, Germany, 2000 /visiting fellow/
- Plastic Surg., University Clinic for Plastic and Reconstructive Surgery, Innsbruck, Austria, 2001 /visiting fellow/
- Plastic, Reconstructive and Aesthetic Surgery, University Hospital Dubrava, Zagreb, Croatia, 2000/present

Fields of Special Scientific and Clinical Interests
- Plastic and Reconstructive Surgery (in general)
- Aesthetic surgery (in general with special interest in breast, eyelid, ear and facial surgery; VASER liposuction)
- Breast Reconstruction (autologous tissue and prosthesis/expanders)
- Non-surgical facial rejuvenation (Fillers, BotulinumToxin, Mesotrax)
- Microsurgery (free tissue transfer and replantation)
- Hand Surgery
- Refinements in Plastic Surgery

Innovations
- Tie-Over Refinement: Fixclip, Croatian Authors Agency, Zagreb, Croatia, December 19, 2002 /IN: 02-2436/
- Mathematical Determination of NAC Position in Male in the Case of Burns, Transsexual Patients and Gynecomastia – Software Program, Croatian Authors Agency, Zagreb, Croatia, November 2003

Appointments
- Lecturer of Plastic Surgery, University of Zagreb, Medical School,
Zagreb, 2000/present (students, postdoc. . .)

- President of Wound Management Section (Croatian Society for Plastic, Reconstructive and Aesthetic Surgery) 2008/present
- Official Trainer for HA Filler in the field of facial rejuvenation, Zagreb, Croatia, 2009/present
- Examination Commission (Member) for plastic surgery residents in Croatia (official license in plastic, reconstructive and aesthetic surgery) 2010/present
- Official Trainer for Mesotrax Lifting Threads in the field of facial and body rejuvenation, Zagreb, Croatia, 2014/present

Associations

- Croatian Society of Plastic, Reconstructive and Aesthetic Surgery (CSPRAS) (www.hdprek.hlz.hr, www.kbd.hr/cspras)
- Croatian Surgical Association
- Croatian Medical Association
- Croatian Medical Chamber
- ISAPS (International Society of Aesthetic Plastic Surgery)
- ESPRAS (European Society of Plastic, Reconstructive and Aesthetic Surgery)
- EBOPRAS (European Board of Plastic, Reconstructive and Aesthetic Surgery)
- EWMA (European Wound Management Association)
- ECAMS (European College of Aesthetic Medicine and Surgery)

Postgraduate Courses: 72
Last Course attended:

Postgraduate Congresses: 77
Last Congress attended:

Published Papers: 103 (Papers, abstracts)
Chapters in Books: 8
Manuals: 22

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: • Associate Professor, University of Zagreb, Medical School, Zagreb, Croatia, May 05, 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Journal of Engineering and Advanced Technology (IJET); ISSN.2249-8958 (Online), Vol 5, Issue 5, p. 21-24, June 2016


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ana Budimir, assoc. prof. MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of molecular biology in medicine; Biomaterial infections

BIOGRAPHY

Born in Livno, B&H, on 13th of March 1973. Married, mother of three children (21, 19 and 17 years of age). Since 2015 - Head of Unit for diagnostic, typing and surveillance of hospital-acquired infections - UHC Zagreb, Dept. of clinical and molecular microbiology. 2013 - associate professor - University of Zagreb, School of medicine, Department of Medical microbiology and parasitology. Doctoral thesis: Analysis of resistance and virulence genes in MRSA strains, defended in 2006. 73 published papers: 34 cited in CC, 10 papers cited in SCI expanded, 20 papers cited in Index Medicus, 7 in Excerpta Medica and 3 in non-indexed journals, 35 congress abstracts. 1022 citations according to SCI and SSCI, H index 14. Scientific advisor since 4th June 2013. Participated in numerous international and national educational courses, in some as Faculty member. Associated in national and international projects: FP7 and HRZZ. Since 2002 - participation in different courses - School of Medicine: “Medical microbiology and parasitology”, “Clinical microbiology”, “Medical microbiology” - medical studies - Medical Studies in English. Since 2011 - course coordinator of elective course. I was my hands from hospital infections. I teach courses at 6 different post-graduate programs in: Pulmology, Nephrology, Anaesthesiology, reanimatology and intensive medicine, Urology, Epidemiology. Participation in 3 different programs - Postgraduate studies: Biomedicine and health sciences. I was mentor to 17 graduate thesis and 4 doctoral theses, and 2 in progress. I am coordinator of multiple postgraduate and continuous education courses, active in Professional societies, and Boards of Medical School and UHC Zagreb. Member of Editorial board of ADMET & DMPK (ISSN 1848-7718) since 2012. Ad hoc reviewer for multiple journals in area of microbiology and infection control. Member of Executive committee Croatian society for Clinical Microbiology, Croatian medical association.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 23th of June 2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 4
ORDINAL NUMBER:


NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Genomic Instability

BIOGRAPHY

Anja Bukovac started working at the School of Medicine, University of Zagreb in 2016 as part of the Croatian science foundation (HRZZ) project which educates young PhD students. She is scientific novice and assistant at the Department of medical biology and Croatian institute for brain research. In 2012 she received her master degree at the Department of biology, Faculty of Science, University of Zagreb. At the same faculty she enrolled in doctoral program in biology in 2015. In 2016 she became a member of the HRZZ project called "The role of the Wnt signalling pathway in the Epithelium-Mesenchymal transition". As part of the project she attended a summer course in molecular biology which was held at the Laboratory of Support to Research in Molecular Medicine, Faculty of Medicine in Porto, Portugal. During her work at the School of Medicine, University of Zagreb, she became associate in two scientific projects (HRZZ and ZCI), co-author of six scientific publications and she actively participated in 15 scientific conferences. Her fields of research are cancer genetics, wnt signalling pathway, tumor suppressor genes, oncogenes, genetic basis of human brain tumors, genome instability and epithelium-mesenchymal transition with emphasis on primary brain tumors. She is a member of the European Association for Cancer Research (EACR), Croatian Association for Cancer Research (CACR) and Croatian Society for Neuroscience.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Associate on the Croatian science foundation (HRZZ) project "The role of the Wnt signalling pathway in the Epithelium-Mesenchymal transition" from 2016-2018. WNT4EMT (6625);

2. Associate at national Centre of Excellence – “Centre for basic, clinical and translational neuroscience”, European Union European Regional Development Fund, Operational Programme Competitiveness and Cohesion, grant agreement no. KK.01.1.1.01.0007, CoRE – Neuro".

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. Associate on the Croatian science foundation (HRZZ) project "The role of the Wnt signalling pathway in the Epithelium-Mesenchymal transition" from 2016-2018. WNT4EMT (6625);

2. Associate at national Centre of Excellence – “Centre for basic, clinical and translational neuroscience”, European Union European Regional Development Fund, Operational Programme Competitiveness and Cohesion, grant agreement no. KK.01.1.1.01.0007, CoRE – Neuro".
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant professor Krešimir Bulić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University hospital center Zagreb, School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Hand surgery

BIOGRAPHY

Date and Place of Birth: November 10, 1969, Split, Republic of Croatia

Nationality and Citizenship: Croatian, Croatian

Family: married, father of two sons

Knowledge of foreign languages: active knowledge of English and French

Education:

1988 matured at Newton North High School, Boston, USA

1993 graduated from the Faculty of Medicine, University of Zagreb, average 4.8

2003 Specialization in General Surgery, Clinical Hospital Center Zagreb

2008 subspecialization of Plastic, Aesthetic and Reconstructive Surgery, Clinical Hospital Center Zagreb

Employment (currently):

Head of Clinical Unit for Clinical Research, Clinic for Surgery KBC Zagreb

Head of Department of Plastic Reconstructive Surgery, Department of Plastic Surgery and Breast Surgery, Clinic for Surgery KBC Zagreb

Senior Assistant, Department of Surgery, Faculty of Medicine, University of Zagreb

Graduated Academic Degrees:

2003, Master of Science, "Vertebral Diligent Circulation Doppler Examination - Ultrasound After Cranial Neck Pain Injury", Mentor Prof. dr. sc. Slavko Davila, Faculty of Medicine, University of Zagreb,

Of 2010 Ph.D., "Autostatic growth hormone, E-cadherin and catenine in breast cancer patients" mentor prof. dr. sc. Jasmina Jakić Razumović, Faculty of Natural Sciences and Mathematics, University of Zagreb

Advancement and functions in the service:

1,993th to 1,994th doctor's internship, Clinical Hospital Center Zagreb

1994th to 1995th Associate Professor, Department of Anatomy, University of Zagreb, Faculty of Medicine

1995th to 1998th acting officer of the Croatian Army

1998th to 2003rd Specialization in General Surgery, Clinical Hospital Center Zagreb

2,003th to 2,004th Subspecialization from Plastic, Aesthetic and Reconstructive Surgery, Queen Victoria Hospital, United Kingdom (12 months)

2004th to 2006th Sectional Physician at the Department of Plastic Surgery and Breast Surgery, Clinical Hospital Center Zagreb

2006th to 2008th subspecialization from plastic, aesthetic and reconstructive surgery,

Clinical Hospital Center Zagreb
2007th to 2008th subspecialization from plastic, aesthetic and reconstructive surgery, Queen Victoria Hospital, United Kingdom (12 months)

2008th to 2010th Sectional Physician at the Department of Plastic Surgery and Breast Surgery, Clinical Hospital Center Zagreb

2008th to 2011th assistant, Department of Surgery, University of Zagreb, Faculty of Medicine

2010.- Head of Department of Plastic Surgery, Department of Plastic Surgery and Breast Surgery, Clinical Hospital Center Zagreb

2011.- Senior Assistant, Department of Surgery, University of Zagreb, Faculty of Medicine

2012. - Head of Clinical Unit for Clinical Research, Surgery Clinic, Clinical Hospital Center Zagreb

Scientific and professional training

1994th to 1995th Postgraduate Study: Ultrasound in Clinical Medicine, Medical School, University of Zagreb

2000 Salzburg-Cornell Osteopathic Surgery Seminar, Salzburg, Austria


2002. HDPREK microchip course, Zagreb

2,003th to 2,004th Senior Registrar, Plastic and Reconstructive Surgery, Queen Victoria Hospital, United Kingdom (12 months)

2004. Canniesburn flap course, Glasgow, Scotland

2007th to 2008th Senior Registrar, Plastic and Reconstructive Surgery, Queen Victoria Hospital, United Kingdom (12 months)

2012. The Art of Medical Teaching, ŠNZ A. Štampar

Participation in the realization of scientific projects

Organization of professional meetings

2002 in the Organizing Committee of the 4th Croatian Congress of Plastic, Aesthetic and Reconstructive Surgery, Zagreb

2012 at the Organizing Committee of the 9th Croatian Congress of Plastic, Aesthetic and Reconstructive Surgery, Zagreb

Work in the committees and commissions of the faculty of medicine

1991-1993 a representative of students at the Medical School Council

2009 - 2013 Representative of Assistant at the Faculty Medical School

2013 - member of the Electoral Commission

Membership in scientific and professional societies
DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Matični broj zanrstvenika: 258756

1. Stresni odgovor želuca - Novi pristup u organoprotekciji - vanjski suradnik (student)
Šifra projekta: 3-01-032
Vrsta projekta: Ministarstvo znanosti, obrazovanja i športa
Voditelj projekta: prof.dr.sc. Predrag Sikirić
2. The role of extracellular matrix in cartilage and bone morphogenesis – vanjski suradnik
Šifra projekta: 3-01-007
Vrsta projekta: Ministarstvo znanosti, obrazovanja i športa
Voditelj projekta: prof.dr.sc. Slobodan Vukičević
3. Nove mogućnosti liječenja tumora dojke - istraživač
Šifra projekta: 0098107
Vrsta projekta: Ministarstvo znanosti, obrazovanja i športa
Voditelj projekta: prof.dr.sc. Josip Unušić
4. Karcinom dojke-molekularne, genetske i kliničke karakteristike - istraživač
Šifra projekta: 108-1080058-0046
Vrsta projekta: Ministarstvo znanosti, obrazovanja i športa
Voditelj projekta: Damir Vrbanec
5. Molecular genetic analysis of limb malformations – istraživač
University of California, San Francisco, Institute for Human Genetics
Voditelj projekta: Assistant professor Nadav Ahituv

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Floriana Bulić-Jakuš

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Epigenetics; Isotransplantation of Mammalian Organ Primordia; Methods of investigation in vivo and in vitro; Methods of molecular biology in medicine

BIOGRAPHY


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: Professor, tenure position 2012.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


- Bulic-Jakus, F. Epigenetika u reprodukciji i razvoju | [Epigenetics in reproduction and development]; Paediatr Croatica 2013, 57: 312-317.


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


-Bulic-Jakuš, F. Epigenetika u reprodukciji i razvoju | [Epigenetics in reproduction and development]; Paediatria Croatica 2013, 57: 312-317.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
from 1983.-2002 participation in projects: NIH, Bethesda, USA; WHO Geneva, Switzerland; Cancerfond; UNESCO, MZOŠ
2002-2006 PI "The experimental approach to reproductive health in mammals" MZOŠ,
2006-2013 "Experimental embryonal tumors and the development of mammals in vivo and in vitro" MZOŠ;
2014. Scientific Center of Excellence for reproductive and regenerative medicine, research unit for biomedical research reproduction and development (deputy head of RU); 2017.

- 2017-2021 collaborator in the project "Epigenetic Biomarkers in Blood and Ejaculate of Patients with Testicular Seminoma". School of Medicine, University of Zagreb financed by CSF.


- 2017-2022 PI of project element and associate on other elements "Reproductive and Regenerative Medicine - Exploring New Platforms and Potentials" The European Union through the European Regional Development Fund, Operational Programme Competitiveness and Cohesion, under grant agreement No. KK.01.1.1.01.0008, within the Center of Excellence for Reproductive and Regenerative Medicine (CERRM). School of Medicine, University of Zagreb.

- 2018-2023 consultant in the project "Epigenetic Biomarkers in Prostate Cancer". School of Medicine, University of Zagreb financed by CSF.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
- 2018-2023 consultant in the project "Epigenetic Biomarkers in Prostate Cancer". School of Medicine, University of Zagreb financed by CSF.

- 2017-2022 PI of project element and associate on other elements "Reproductive and Regenerative Medicine - Exploring New Platforms and Potentials" The European Union through the European Regional Development Fund, Operational Programme Competitiveness and Cohesion, under grant agreement No. KK.01.1.1.01.0008, within the Center of Excellence for Reproductive and Regenerative Medicine (CERRM). School of Medicine, University of Zagreb.
- 2017-2021 collaborator in the project "Epigenetic Biomarkers in Blood and Ejaculate of Patients with Testicular Seminoma". School of Medicine, University of Zagreb financed by CSF.
- 2014- to date Scientific Center of Excellence for Reproductive and Regenerative Medicine
- 2013-2018. PI: Projects UNIZG

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 6**


-Ana -Katušić Sveučilište u Zagrebu, Primjena 5-azacitidina tijekom gestacije štakora inducira apoptozu u fetalnom testisu. Prirodoslovno-matematički fakultet, doktorska disertacija 2010

-Nikola Sobočan, Utjecaj PBN-a (N-tert-butyl-α-fenilnitron) na razvoj placente i štakorskoga zametka tretiranih 5-azacitidinom in vivo i in vitro. Prirodoslovno-matematički fakultet, doktorska disertacija 2011


-Vedrana Mužić Utjecaj promjena temperature i epigenetskih lijekova na razvoj pupoljaka udova štakora ex vivo, Doktorska disertacija, Medicinski fakultet Sveučiliša u Zagebu, 2015.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: TOMISLAV BULUM, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Medical School University of Zagreb, Croatia; Vuk Vrhovac Clinic for Diabetes, University Hospital Merkur, Zagreb, Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Metabolic syndrome

BIOGRAPHY

Professional positions held: Since 2005 he is employed at the Vuk Vrhovac University Clinic for Diabetes, University Hospital Merkur, where he currently holds a position of a specialist in internal medicine and subspecialist in endocrinology and diabetology in Department of diabetes. Since 2016 he is also employed as a postdoctoral researcher at the Medical School University of Zagreb.

Education: Graduated medicine at the School of Medicine, University of Split in 2002. Ph.D. degree received in 2010 at the Faculty of Science, University of Zagreb (doctoral thesis “Relationship between insulin resistance, thyroid function and serum lipid profile in euthyroid patients with type 1 diabetes”). On 1 March 2012 he passed the specialist exam in internal medicine and gained the name of a specialist in internal medicine. In November 2015 he finished subspecialist training in endocrinology and diabetology and gained the name of a subspecialist in endocrinology and diabetology.

Teaching: He is a lecturer at the undergraduate courses and also at postgraduate doctoral studies in Biomedicine and Health Sciences at Medical School University of Zagreb (courses Clinical propedeutics, Internal medicine, Based medical skills, Metabolic syndrome and Arterial hypertension and diabetes mellitus).

Scientific projects: Since 2012 he is a researcher on the scientific project «Metabolic syndrome in type 1 diabetes", no. 045-1080230-0516, funded by the Croatian Ministry of Science, Education and Sports (CMSES), completed by the end of 2013. Since 2015 he is a researcher on the scientific project “Relationship between endothelial dysfunction driven by adipocitokines and the development and progression of microvascular complications in patients with type 1 and type 2 diabetes”, funded by the Croatian Science Foundation.

Professional and scientific activities: He is an author over 70 scientific papers published in Web of Science, Scopus and Index Medicus indexed journals (in 34 papers as a first or corresponding author), and an over 90 scientific and professional abstracts. He is a Reviewer in 17 Current Contents indexed journals (Diabetologia, Diabetes Research and Clinical Practice, Diabetes Obesity and Metabolism, Diabetes/Metabolism Research and Reviews, Endocrine, Lipids, Heart, Hormone and Metabolic Research, British Journal of Nutrition, Global Health Action, Renal Failure, Clinical Epidemiology, Canadian Journal of Physiology and Pharmacology, International Journal of Artificial Organs, European Journal of Clinical Investigations, Archives of Medical Research and World Journal of Gastroenterology). Since 2016 he is a Senior scientific associate at the Medical School University of Zagreb. He is an Editorial Board member of journals Plos One and Archives of Clinical Nephrology.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 6/2016- Senior scientific associate

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


35. V. Roso, T. Bulum, L. Duvnjak. Glucagon-like peptide-1 receptor agonists decrease total and LDL-cholesterol in obese type 2 diabetic patients. Diabetologia Croatica 2016; 45:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
Since 2012 he is a researcher on the scientific project «Metabolic syndrome in type 1 diabetes”, no. 045-1080230-0516, funded by the Croatian Ministry of Science, Education and Sports (CMSES), completed by the end of 2013. Since 2015 he is a researcher on the scientific project “Relationship between endothelial dysfunction driven by adipocitokines and the development and progression of microvascular complications in patients with type 1 and type 2 diabetes”, funded by the Croatian Science Foundation.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Since 2012 he is a researcher on the scientific project «Metabolic syndrome in type 1 diabetes”, no. 045-1080230-0516, funded by the Croatian Ministry of Science, Education and Sports (CMSES), completed by the end of 2013. Since 2015 he is a researcher on the scientific project “Relationship between endothelial dysfunction driven by adipocitokines and the development and progression of microvascular complications in patients with type 1 and type 2 diabetes”, funded by the Croatian Science Foundation.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant Professor NIKOLA BULJ, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: UNIVERSITY HOSPITAL CENTRE "SISTERS OF MERCY", UNIVERSITY OF ZAGREB, ZAGREB SCHOOL OF MEDICINE

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: ENDOCRINE TUMORS OF GASTROINTERSTINAL SYSTEM AND PANCREAS

BIOGRAPHY

PERSONAL INFORMATION Nikola Bulj
Franje Wolfla 4, Zagreb (Croatia)
(+385) 1 3787 626
nikolabulj@gmail.com
Date of birth 26/01/1976

WORK EXPERIENCE
2015–Present Head of Department of echocardiography and non-invasive diagnostics, Cardiovascular Center, Sisters of Charity University Hospital Centre and School of Medicine University of Zagreb, Zagreb, Croatia
2012–2015 Cardiologist at the Department of Cardiology, Sisters of Charity University Hospital Centre, Zagreb, Croatia
2008–2012 Specialist of internal medicine at the Department of Cardiology, Sisters of Charity University Hospital Centre, Zagreb, Croatia
2004–2008 Internal medicine resident, Sisters of Charity University Hospital, Zagreb, Croatia
2002–2004 Scientific associate, Zagreb School of medicine, Sisters of Charity University Hospital, Zagreb, Croatia

EDUCATION AND TRAINING
2017–Present Assistant Professor of Medicine, School of Medicine, University of Zagreb, Croatia
2016 Course in deformation imaging and 3D/4D echocardiography (Berlin, Germany)
2015 Member – Working group for echocardiography – Croatian Cardiac Society
2014 Member – Working group for valvular heart disease – Croatian Cardiac Society
2013 PhD degree, School of Medicine, University of Zagreb, Croatia
2012 Subspecialist in the field of cardiology
2010 Vascular ultrasound – professional advanced training course,
Curriculum vitae Nikola Bulj

2008 Specialist of internal medicine

2006 European Association of Echocardiography - Teaching Course (Vienna, Austria)

2006 Texas Heart Institute, St. Luke's Episcopal Hospital, Houston, USA, Training in Cardiology

2001–2002 Internship, Clinic for infectious disease "Fran Mihaljević", Zagreb, Croatia

1994–2000 School of Medicine, University of Zagreb

**DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:** 11/2016

**LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Metabolic syndrome, Oxidative stress and acute myocardial infarction

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
CV

Professor Nina Canki – Klain, M.D.Ph.D.
ZAGREB UNIVERSITY SCHOOL OF MEDICINE
Chair of Medical Biology &
Croatian Institute for Brain Research
Šalata 12, 10 000 ZAGREB, Croatia
FAX: + 385 1 45 96 942
Tel. + 385 1 45 96 851; +385 98 470 136
Mobile: +385 98 470 136
E-mail: nina.canki.klain@mef.hr

Pediatrician, clinical geneticist, full professor of medical genetics at Zagreb University Medical School, the founder (2000) and actual President of Clinical Genetic Society of Croatia, retired in October 2014. Since my retairement I ‘m continuing to teach at Medical School of Zagreb under the contract. My approach to any problem is holistic. In everyday practice I have been interested in clinical features of disease, its cause either at the level of chromosome or gene, in patient’s family till his/her population. I do not separate routine work from research. Thanks to such approach I was lucky to be with dr. B. Dutrillaux and dr. I. Tivadar, the first to publish the location of the gene causing Duchenne muscular dystrophy (Canki N et al. Ann Génét.1979) that was the prerequisite for further gene’s identification. Except involvement in genetic causes of neuromuscular disorders I was engaged in clinical cytogenetics, male and female sterility and infertility, bone’s disease, rare forms of malformations and cystic fibrosis. I was a reporter from Yugoslavia of Working Committee for Genetic Counseling- European Society of Human Genetics (1978), a reporter for WHO review of some community genetics services in Europe (1986), member of Steering Committee for Central and Eastern Europe, European Community concerted action for cystic fibrosis (coordinator J. J. Cassiman) (1996-99), and European Community Concerted Action for the Coordination of Cystic Fibrosis Research and Therapy (coordinator M. Goossens) (1993-97) that has permitted me to have experience in European collaboration. As a President of Organizing Committee of 3rd Congress of Yugoslav Geneticists with International Participation (Ljubljana 1987), the organizer of International Summer School of Prenatal Medicine: “Clinical biology of the fetus” (Dubrovnik, 1991), president of Organizing and Scientific Committee of First Eastern European CF Conference “What’s New in the Diagnosis, Treatment and Prevention of Cystic Fibrosis”, Zagreb, (2008), I have skills of good communicator between national and international (European) scientific community in the field of medical genetics. My actual main activities include: Teaching medical and Ph.D. students (Genetic basis and new diagnostic approaches to monogenic, especially neuromuscular disease; Ethics in clinical genetics; Positional cloning; Cytogenetics in clinical practice and research); Clinical work: Examination of selected patients from whole Croatia (children, adolescents and adults (no infants) with muscular and neurological disorders presumed to be monogenic in origin; Research work: basic research into the origins and molecular spectrum of some monogenic disorders with emphasis on epidemiological situation in Croatia. Special emphasis is on LGMD2A and B, OPMD and AS. Clinician by vocation, performing implemented research with strong interest in education and disseminating knowledge obtained from great teachers and numerous excellent colleagues and friends I have been privileged to have, I’m happy to transmit to my students and other colleagues.

My education and work experience: MD (University of Zagreb), Certificat de cytogénétique humaine (Univ. of Paris); M.Sc. in experimental biology (Univ. of Zagreb), D.Sc (Univ. of Ljubljana), Specialist diploma in pediatrics (Univ. of Ljubljana). Postgraduate training in cytogenetics (Professor J. Lejeune) and
clinical genetics at Hôpital des Enfants Malades, Paris, genetic counseling (Professor J-J Robert, Hôtel-Dieu, Lyon), prenatal diagnosis (Professor A. and Dr. J. Boué, INSERM U73 – Paris); molecular genetics (Professor J-C Kaplan, Hôpital Cochin, Paris); myology (Professor M. Fardeau, Hôpital Pitié-Salpêtrière, Paris). I have spent one year as Fulbright scholar at Columbia Univ. College of Physicians & Surgeons, Dept. of Genetics and Development (prof. D. Warburton), New York, USA. University career have started as an assistant at Institute of Anatomy, Zagreb Univ. School of Medicine; was foreign assistant (Service de génétique) at University Claude Bernard in Lyon; an assistant professor then associated professor in medical genetics field, Univ. of Ljubljana Medical School and professor of clinical genetics at University of Zagreb Medical School. I was head of Cytogenetic Laboratory at Department of Gynecology and Obstetrics University Clinical Center of Ljubljana. Under my direction this laboratory was transformed in Division of medical genetics and then to Unit of medical genetics the biggest medical genetics centre in Slovenia.

Upon return to native Zagreb (.1996) I founded Division of Neurogenetics at Dept. of Neurology, University Medical Centre in Zagreb and Laboratory of clinical neurogenetics and muscular disorders at Croatian Institute of Brain Research. My professional membership includes European Society of Human Genetics (ESHG), European Cytogeneticists Association (member of advisory council since 1998), World Muscle Society, member of Neuromediterranean board of Neuromediterrane, Croatian Academy of Medical Science (full member), Clinical Genetics Society of Croatia (president), Croatian Society for Neuroscience, Croatian Medical Association, Club de Conseil Génétique de Langue Française – previously named Club Européen de Conseil Génétique (member of Administrative Committee since 1978 till its end in 2005) and Slovenian Genetics Society (President 1983-88; 1994-96).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

March 10, 2006

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Canki N, Dutrillaux B. Two cases of familial Paracentric Inversion in Man Associated with Sex Chromosome Anomaly: 47, XXX, inv (5) (q21q32) and 45, X, inv (7) (q11.3q22.3). Hum Genet 1979; 47: 261-8.


Canki-Klain N, Beroud C., Clarke NF, Kovac I, Chambert S, Guicheney, P. The adult phenotype of congenital muscular dystrophy (MDC1A) due to mutation of LAMA2. Neuromuscular Disorders 2009; 19: 574


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Canki-Klain N et al.: Genetika, priroda i epidemiologija značajnih živčanih i mišićnih bolesti (ŽMB) Genetics, natural history and epidemiology of major neurological and muscular diseases (108-0000000-3435/2007)

ECO NET 2004/05: Approche multiparamétrique pour la connaissance de l'histoire naturelle des calpainopathies visant à déterminer l'efficacité de thérapies potentielles Génethon, UMR8115 ,CNRS, Evry, France (Dr.Isabelle Richard)
COGITO 2003/04: Correlation phénotype-génotype dans les dystrophies musculaires de l’enfant et de l’adulte. INSERM, U 582, Paris, France (Dr. Pascale GUICHENEY)

Canki – Klain et al. Genetsko i epidemiološko istraživanje mišicnih distrofija u Hrvatskoj” Genetic and epidemiological study of muscular dystrophies in Croatia. Ministry of Science and technology No 0108052/2002


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 6
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. Prof. Darko Chudy, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine, University Hospital Dubrava

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research Methods of Psychological Functions and Behavior;

BIOGRAPHY

Name: Darko Chudy

Address: Department of Neurosurgery, Clinical Hospital Dubrava, Av. G. Šuška 6, 10000 Zagreb, Croatia; e-mail: darko.chudy@gmail.com

Personal Data: born on February 8, 1962 in Zagreb, Croatia; married, father of four children

Professional education, training and activities:
1988.: M. D. degree, School of Medicine, University of Zagreb,
1989.: intern at the University Clinical Hospital Center Zagreb - Rebro, Zagreb, Croatia
1992-1997. Resident of neurosurgery,
1997- 2007: Neurosurgeon at the Department of Neurosurgery, University Clinical Hospital Centar Zagreb,
2007- present: Head of Department of neurosurgery Clinical Hospital Dubrava, Zagreb
1994.: Visiting physician at the Cologne University, Department of Stereotactic and Functional Neurosurgery, under supervision of Professor Volker Sturm (three months)
1996.: Visiting physician at the Stockholm, Sophiahemmet Hospital, under supervision of Professor Lauri Laitinen, and Department of Neurosurgery, University of Umea, under supervision of Professor Marwan Hariz (three months).
2001. : Visiting physician at the Ankara University, Department of Neurosurgery, under supervision of Professor Yucel Kanpolat (two months)
2004.: Visiting pyhsician at the La Timone Hospital, Marseille, Department of Stereotactic Neurosurgery and Radiosurgery, under supervision of Professor Jean Regis (one month)
2009-present lecturer for functional neurosurgery at Medical School University of Maribor,
2011.: Associated affiliated professor at Medical School Washington University Seattle USA,

Positions, research activities and achievements:
1984.-1988.: Research Associate, Department of Anatomy, School of Medicine, University of Zagreb;
1988.-1992.: Assistant in Anatomy, Section of Neuroanatomy, School of Medicine, University of Zagreb;
1993-1995.: postgraduate course in neurobiology,
2000.: received Ph. D. degree at the School of Medicine, University of Zagreb (thesis title: "The clinical study of possibilities and usefulness of the new stereoadapter in computer tomography and magnetic resonance brain imaging").
2013. Associated professor at Medical School University of Zagreb
2015. Associated professor at Medical School University of Zagreb in University Hospital Dubrava
Main professional and scientific achievements and interests:
- the main interest is stereotactic and functional neurosurgery for movement disorders, pain surgery and epilepsy surgery.
- 1995: successfully introduced stereotactic biopsy at the Department of Neurosurgery, School of Medicine, University of Zagreb;
- clinical and research collaboration with Department of Neurosurgery at the University of Umeo, Sweeden
- 2004. introduced of gamma knife radiosurgery at the Department of Neurosurgery, School of Medicine, University of Zagreb.
- 2010. associate on technological project: Robotic in neurosurgery and in 2017., in cooperation with the Faculty of Mechanical Engineering and Naval Architecture and INETEC company, with the support of EU funds project NERO (Robotic Stereotactic Framework), in which today 27 researchers participate.
- in 2015., together with neurologist of University Hospital Dubrava establishes a Reference Center of the Ministry of Health, Republic of Croatia for Functional and Stereotactic Neurosurgery,
- Appointed for the proctor in the deep brain stimulation of Medtronic Company and participates in the introduction of DBS in Albania,
- Organizes the first Regional DBS Meeting in Zadar 2015 and the second in 2017 with the participation of a neurologist and neurosurgeon from Queen Square Hospital in London,

Awards:
2004. Award of the Medical School University of Zagreb
2018. Award of Croatian Medical Chamber

Membership in professional societies:
1987- present: member of the Croatian Medical Association (CMA),
1991-present: member of Croatian Neurosurgical Association (CNA),
1994-present: member of European Association of Neurosurgeons (EANS),
1994-present: member of World Neurosurgical Society (WNS),
2009-present: member of the European Society for Stereotactic and Functional Neurosurgery

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Mario Cifrek, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, Faculty of Electrical Engineering and Computing

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Electrophysiological Methods in Medical Research

BIOGRAPHY

Born on March 24th 1964 in Varazdin. Graduated in 1987, MSc 1992, Ph.D. 1997 at the Faculty of Electrical Engineering and Computing in Zagreb. Since 1987 employed in FER. Scientific and professional work in the field of sensors, electronic instrumentation and biomedical engineering, with special emphasis on the measurement and analysis of biomedical signals. Teaching activity. FER undergraduate: Computer Aided Design of Electronic Systems, Technology in Medicine; FER-graduate studies: Biomedical Informatics, Biomedical Signals and Systems, Electronic Equipment Power Supplies, Multisensor Systems and Locomotion, Programmging Industrial Embedded Systems, Sensor Technology; FER-postgraduate studies: Biomonitoring Systems, Systems for Measurement Nonelectrical Values; MEF Medical Studies in English: Measurement and analysis of human locomotion; MEF-postgraduate studies: Electrophysiological Methods in Medical Research. He participated in eight scientific and many professional projects. He led two Proof of Concept Grant Fund for Researchers – PoC Public projects (HAMAG BICRO) and two projects of bilateral cooperation with China. Currently he is leading one research and innovation project (strengthening capacity for research, development and innovation – IRI) and participating in Centre of Research Excellence for Data Science and Cooperative Systems – DATACROSS. He is editor of two scientific books and co-author of the nine chapters in scientific books, 31 journal papers, 20 of them CC with more than 350 citations (Wos), and more than 150 conference papers. He was a mentor of a six defended doctoral dissertation at the Faculty of Electrical Engineering and Computing and one at the School of Dental Medicine. Mentor of four PhD students. Member of the Institute of Electrical and Electronics Engineers, International Federation for Medical and Biological Engineering, European Society for Engineering and Medicine, International Federation for Automatic Control, Croatian Medical and Biological Engineering Society, Croatian Society for Communications, Computing, Electronics, Measurement and Control, and a member of the Croatian Academy of Engineering. He was awarded the silver medal "Josip Loncar" for significant and successful master’s work, and for the successful doctoral dissertation. He also awarded Annual award of the City of Zagreb in 2014, and Annual Award “Rikard Podhorsky” of the Croatian Academy of Engineering.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Book chapters:


Journal papers:


Kresimir Friganović, Davor Kukolja, Alan Jović, Mario Cifrek, Goran Krstačić: Optimizing the detection of characteristic waves in ECG based on processing methods combinations. IEEE Access, Volume 6, 2018, 50609-50626


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Book chapters:

Alan Jović, Kresimir Jozić, Davor Kukolja, Kresimir Friganović, Mario Cifrek: Challenges in Designing Software Architectures for Web Based Biomedical Signal Analysis. In „Medical Big Data and Internet of


Journal papers:


Kresimir Friganović, Davor Kukolja, Alan Jović, Mario Cifrek, Goran Krstačić: Optimizing the detection of characteristic waves in ECG based on processing methods combinations. IEEE Access, Volume 6, 2018, 50609-50626


Domagoj Prebeg, Božidar Pavić, Mario Cifrek, Slobodan Milošević, Igor Krois, S. Šegović, Marina Katunar, Milan Kordić: Analysis of electric field and emission spectrum in the glow discharge of therapeutic plasma electrode. Automatika, 58(1), 2017, 1-10.


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

Research and development of the system for driver drowsiness and distraction identification – DFDM, 1. 10. 2018 – 30. 09. 2021, Coordinator XYLON d.o.o. Strengthening capacity for research, development and innovation (IRI).

Young researchers’ career development project – training of doctoral students, Croatian Science Foundation. October, 2016 – October 2020. PhD student mentor (Krešimir Friganović), topic „Computer Based Detection of Atrial Fibrillation in Multi-channel Electrocardiogram“.


Uninvasive Measurement and Technologies in Biomedicine (principal investigator Prof. Stanko Tonković, PhD), 2002 – 2007, Ministry of Science and Technology project RH 0036007. Project associate.


New Bioimpedance Methods for Measurement of Biological Parameters (principal investigator Prof. Ante Šantić, PhD), 1990 –1 996, Ministry of science and Technology project RH 2-07-259. Project associate.


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

Research and development of the system for driver drowsiness and distraction identification – DFDM, 1. 10. 2018 – 30. 09. 2021, Coordinator XYLON d.o.o. Strengthening capacity for research, development and innovation (IRI).

Body area networks for health applications based on intrabody communication. 2017-2019. Fuzhou University, College of Physics and Information Engineering, Fujian Province, P.R. China. Croatian-Chinese Scientific and Technological Cooperation, project leader Asst. Prof. Željka Lučev Vasić, PhD. Project associate.


Young researchers’ career development project – training of doctoral students, Croatian Science Foundation. October, 2016 – October 2020. Doctoral student (Krešimir Friganović) co-mentor with asst.
prof. Alan Jović, topic „Computer Based Detection of Atrial Fibrillation in Multi-channel Electrocardiogram“.  

Intrabody Communication as a Key Technology for Internet of Things in Health Applications. 2015-2017. Fuzhou University, College of Physics and Information Engineering, Fujian Province, P.R. China. Croatian-Chinese Scientific and Technological Cooperation. Project leader.


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: Seven (7)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Maja Cigrovski Berković, MD, PhD, Assistant professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Sestre milosrdnice

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular genetics of gastrointestinal tumors, Endocrine tumors of gastrointestinal tract and the pancreas

BIOGRAPHY
Assistant professor Maja Cigrovski Berković, MD, PhD
Identification number of the scientist: 314071
Department for Endocrinology, Diabetes and Metabolism UHC Sestre milosrdnice, Vinogradska 29, 10000 Zagreb, Croatia, email: maja.cigrovskiberkovic@gmail.com

EDUCATION
2013, subspecialist in Endocrinology and Diabetes
2009, PhD obtained at Medical School University of Zagreb, Croatia
2008, specialist in internal medicine
2000, MD, Medical School University of Zagreb

WORK EXPERIENCE
2013- present, subspecialist in Endocrinology and Diabetes at UHC Sestre milosrdnice, Zagreb, Croatia
2016- Assistant professor Faculty of Kinesiology University of Zagreb, Croatia
2008-2013, specialist in internal medicine UHC Sestre milosrdnice, Zagreb, Croatia
2004-2008, intern in internal medicine UHC Sestre milosrdnice, Zagreb, Croatia
2001-2004, young scientific researcher, Department of Endocrinology, Diabetes and Metabolism, Clinic of Internal medicine UHC Sestre milosrdnice, Zagreb, Croatia
2000-2001, MD, UHC Sestre milosrdnice, Zagreb, Croatia

RESEARCH AND SCIENTIFIC PROJECTS/GRANTS
2001-2004, young scientific researcher, project financed by Ministry of Science Neuroendocrine tumors of gastrointestinal tract and pancreas
2002, scientific associate, project by Veterinary School University of Zagreb, Measurement of glycogen in human blood
2004-2010, scientific associate, project financed by Ministry of Science, Neuroendocrine tumors of gastrointestinal tract and pancreas
2013, PI and national coordinator of multicentric and multinational noninterventional research of hypoglycemia in insulin treated type 1 and type 2 diabetes patients (HAT-Hypoglycemia Assesment Tool)
2010-2014, PI, project financed by Ministry of Science Neuroendocrine tumors of gastrointestinal tract and pancreas

AWARDS
2014. Etzwiler international scholarship for IDC and Mayo Clinic, MN, USA
2015 - present lecturer; Course: Molecular genetics of gastrointestinal tumors Doctoral Study in Biomedicine and Health Sciences School of Medicine, University of Zagreb
2015-present lecturer; Course Pancreatic Diseases, Doctoral Study in Biomedicine and Health Sciences School of Medicine, University of Zagreb

2015-present lecturer; Course Fundamentals of Medical Skills, School of Medicine, University of Zagreb, Croatia

2015- associate lecturer at School of Kinesiology University of Zagreb

2010 – present Course leader: Endocrine tumors of gastrointestinal tract and Pancreas, Doctoral Study in Biomedicine and Health Sciences School of Medicine, University of Zagreb

2004-2005, lecturer; Courses Rational use of medications and Medical Emergencies, School of Medicine, University of Zagreb, Croatia

2001-2009-lecturer; Course: Scientific approach to hypoglycemia, Doctoral study, School of Medicine University of Zagreb, Croatia

TEACHING ACTIVITIES


assistant professor; 13.12.2011. senior research associate

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2010-2014, PI scientific project financed by Ministry of Science Neuroendocrine tumors of gastrointestinal tract and pancreas

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2010-2014, PI scientific project financed by Ministry of Science Neuroendocrine tumors of gastrointestinal tract and pancreas

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Vladiana Crljen, assist. prof.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, methodology and functioning of scientific work 1

BIOGRAPHY


Appointments: 2006. – Present - Assistant Professor of Physiology and Basics of Neurosciences, School of Medicine, University of Zagreb; 1996. - Senior Research Assistant (Senior Instructor), Physiology and Basics of Neuroscience, School of Medicine, University of Zagreb, 1995. – 1996. Postdoctoral training INSERM U356, France; 1988.-1993. Research Assistant (Instructor) School of Medicine, University of Zagreb; 1987.-1988. Junior Researcher, School of Medicine, University of Zagreb; 1987. Intern, DZ Novi Zagreb

Professional, research, academic experience and achievements - Associate investigator in research projects: 2018. - The function of uroguanylin, a new protein in the brain, from the cell physiology to human health FURNACE (IP-2018-01-7416, prof. dr. sc. Aleksandra Sindrić); 2018. - Role of inositol pyrophosphates in regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2017. - Role of inositol pyrophosphates in regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2016. - Role of inositol pyrophosphates in regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2015. - Role of inositol pyrophosphates in regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2014. - Role of phosphatidyl-inositol 3-kinases in leukaemia cells differentiation (supported by University of Zagreb, prof. dr.sc. Dora Višnjić); 2013. - Signalling pathways in the regulation of leukaemia cells proliferation and differentiation, (Support I) University of Zagreb (D. Višnjić); 2007 – The role of phosphatidylinositol 3-kinaseC2β in cell nuclei (10810347, MZOS, H. Banfić); 2002 – 2007 Inositol lipid second messengers in cell nuclei (0108-015, MZOS, H. Banfić); 1996-2001 Phospholipid second messengers (108013, MZOS, H. Banfić); 1995-1996 Activation of PLD by angiotensin II in freshly isolated rat renal cortical tubules (INSERM, France); 1994-1996 Second messengers and mechanisms of transport in cells (MZOS, Banfić)

Academic experience: over 300 hours of teaching in graduate study programme of Physiology, Basics of neuroscience, elective Stress and Brain, Medical Ethics, Postgraduate PhD programme study – Structure, methods and functioning of scientific work, Postgraduate professional study Urology - Selected topics from physiology of urogenital system; Other activities: Vice President of Animal welfare committee

Publications in CC indexed journals: 8 Citations: 130

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Other work

2. Crljen V. "Životinja u temeljnim biomedicinskih istraživanjima" ("Animals in basic biomedical research"). Mef.hr 2010; 2: 16-17

Abstracts
1. Marolt Banek I, Šućur A, Kelava T, Crljen V. Blood glucose in rat influenced by simple rat restrain procedure or standard anaesthesia during samplig blood from tail vein. 2nd Regional Congress of the Physiological Societies and 4th Congress of Croatian Physiological Society, 2017; 63


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Abstracts
1. Marolt Banek I, Šućur A, Kelava T, Crljen V. Blood glucose in rat influenced by simple rat restrain procedure or standard anaesthesia during sampling blood from tail vein. 2nd Regional Congress of the Physiological Societies and 4th Congress of Croatian Physiological Society, 2017; 63


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
2018. - The function of uroguanylin, a new protein in the brain, from the cell physiology to human health FURNACE (IP-2018-01-7416, prof. dr. sc. Aleksandra Sindić); 2018. - Role of inositol pyrophosphates regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2017. - Role of inositol pyrophosphates in regulation of cellular growth (supported by University of Zagreb, prof. dr.sc.
Hrvoje Banfić); 2016. - Role of inositol pyrophosphates in regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2015. - Role of inositol pyrophosphates in regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2014. - Role of phosphatidyl-inositol 3-kinases in leukaemia cells differentiation (supported by University of Zagreb, prof. dr.sc. Dora Višnjić); 2013. - Signalling pathways in the regulation of leukaemia cells proliferation and differentiation, (Support I) University of Zagreb (D. Višnjić); 2007 – The role of phosphatidyl-inositol 3-kinaseC2β in cell nuclei (108-1081347-0173, MZOS, H. Banfić); 2002 – 2007 Inositol lipid second messengers in cell nuclei (0108-015, MZOS, H. Banfić), 1996-2001 Phospholipid second messengers (108013, MZOS, H. Banfić); 1995-1996 Activation of PLD by angiotensin II in freshly isolated rat renal cortical tubules (INSEERM, France); 1994-1996 Second messengers and mechanisms of transport in cells (MZOS, Banfić)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
2018. - The function of uroguanylin, a new protein in the brain, from the cell physiology to human health FURNACE (IP-2018-01-7416, prof. dr. sc. Aleksandra Sindić); 2018. - Role of inositol pyrophosphates regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2017. - Role of inositol pyrophosphates in regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2016. - Role of inositol pyrophosphates in regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2015. - Role of inositol pyrophosphates in regulation of cellular growth (supported by University of Zagreb, prof. dr.sc. Hrvoje Banfić); 2014. - Role of phosphatidyl-inositol 3-kinases in leukaemia cells differentiation (supported by University of Zagreb, prof. dr.sc. Dora Višnjić);

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Danijela Cvijanović, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical methods in biomedical research

BIOGRAPHY

Personal data: born in Doboj (BiH), 1985. Education: 2009-2015 PhD in Chemistry, Faculty of Science, University of Zagreb. Work experience: 2015–present senior assistant, 2009–2015 assistant at Department of Medical Chemistry, Biochemistry and Clinical Chemistry, School of Medicine, University of Zagreb. Scientific projects: three. Publications: seven. Poster presentations: eight. Teaching: participation in various courses of integrated undergraduate and graduate study programmes (in both Croatian and English language) at School of Medicine and School of Dental Medicine, University of Zagreb. Member of Croatian Chemical Society.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2016–present Metallosupramolecular structures and inorganic-organic polyoxometalate hybrids (IP-2016-06-4221), Croatian Science Foundation, project leader: Prof. Višnja Vrdoljak, PhD (Faculty of Science, University of Zagreb)

2017–present Enaminones and their metal complexes as antibacterial agents, University of Zagreb, project leader: Prof. Jasna Lovrić, PhD (School of Medicine, University of Zagreb)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Tamara Čačev, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Rudjer Boskovic Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular genetics of gastrointestinal tumors

BIOGRAPHY

Tamara Čačev, PhD, MBZ: 231201
Senior Research Associate
Laboratory for personalized medicine, Division of Molecular Medicine, RBI, Bijenička c. 54, Zagreb, Croatia; e-mail: tcacev@irb.hr

Personal data: Born in Zagreb, Croatia, 1976.

Education:
2007. - PhD, Molecular and cellular biology, Faculty of Science, University of Zagreb
2003. - M.Sc., Molecular and cellular biology, Faculty of Science, University of Zagreb
1998. - B.Sc., Molecular biology, Faculty of Science, University of Zagreb

Work experience:
2013. - today, senior research associate, Division of molecular medicine, RBI
2008. - 2013., research associate, Division of molecular medicine, RBI
2007. - 2008., senior research assistant, Division of molecular medicine, RBI
1999. - 2007., research assistant, Division of molecular medicine, RBI

Languages:
English, Italian, French

Scientific publications:
32 (28 indexed in Current Contents, JCR Q1:10, Q2:13)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 15.2.2010.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


9. Čačev T, Jokić M Lončar B, Križanac Š, Kapitanović S. Interleukin-6 -174 G/C polymorphism is not associated with IL-6 expression and susceptibility to sporadic colon cancer. DNA and cell biology 2010;29:177-182.


19. Čačev T, Kapitanović S. Colon cancer: gone with the Wnt. Periodicum biologorum 2004;106:233-238


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2017.- today, collaborator on Croatian Science Foundation project „Microsatellite instability (MSI and EMAST) in molecular profiling of sporadic colon cancer”

2016.-2017., PI of bilateral project between Croatia and Serbia „The role of prothrombin in colorectal cancer”

2018. -2021., MC substitute in COST Action CA17118 „Identifying Biomarkers Through Translational Research for Prevention and Stratification of Colorectal cancer”

2014. – 2017., MC substitute in COST Action BM1206 „Cooperation Studies on Inherited Susceptibility to Colorectal Cancer”

2007.-2014., collaborator on MZOS project „Molecular genetics and pharmacogenetics of gastrointestinal tumors”

2002.-2007., scientific novice on MZOS project „Molecular genetics of gastrointestinal tumors”

1999.- 2002., scientific novice on MZOS project „Molecular genetic basis of metastasis”

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
2017.- today, collaborator on Croatian Science Foundation project „Microsatellite instability (MSI and EMAST) in molecular profiling of sporadic colon cancer”

2016.-2017., PI of bilateral project between Croatia and Serbia „The role of prothrombin in colorectal cancer”

2018. -2021., MC substitute in COST Action CA17118 „Identifying Biomarkers Through Translational Research for Prevention and Stratification of Colorectal cancer”

2014. – 2017., MC substitute in COST Action BM1206 „Cooperation Studies on Inherited Susceptibility to Colorectal Cancer”

2007.-2014., collaborator on MZOS project „Molecular genetics and pharmacogenetics of gastrointestinal tumors”.
ORDINAL NUMBER: 5

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. Prof. Rok Civljak, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Medicine; Dr. Fran Mihaljević University Hospital for Infectious Diseases, Zagreb, Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: “Pathogenesis of infectious diseases”, “Biomaterial infections”

BIOGRAPHY

PERSONAL INFORMATION: Address: Dr. Fran Mihaljević University Hospital for Infectious Diseases, Mirogojska 8, Zagreb; Department of Infectious Diseases, University of Zagreb School of Medicine, Šalata 3, Zagreb; Telephone: +385 91 4012547; Fax: +385 1 2826295; E-mail/Website: rok.civljak@bfm.hr; www.bfm.hr


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2016, assistant professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. New and neglected respiratory viruses in vulnerable groups of patients - Croatian Science Foundation IP-2016-06-7556 Project, collaborator

2. Intensive care unit patients with lower respiratory tract nosocomial infections: the ENIRRIs project - European network for ICU-related respiratory infections (ENIRRIs), collaborator

3. The risk of occupational exposure to blood-borne infections among hospital personnel in Croatian hospitals, - National Hospital Infection Control Advisory Committee, Ministry of Health of the Republic of Croatia


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. CONNECT: inCreasing cOmmunication, awareNEss and data sharing in a global approach against resisTance - Eighth Joint Transnational Call For Networks Within The Joint Programming Initiative On Antimicrobial Resistance “Building the Foundation of the JPIAMR Virtual Research Institute”,

2. 2017-2021 collaborator on Croatian Science Foundation Project titled: ”New and neglected respiratory viruses in vulnerable groups of patients” (grant: IP-2016-06-7556)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Silvija Čuković-Čavka, Assist. Prof.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb, University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pharmacogenomics

BIOGRAPHY

Born in Zagreb in 1963, Education: 1988 MD at the School of Medicine University of Zagreb; 1998 Specialist in Internal medicine, University Hospital Centre Zagreb, 2001 Subspecialist in Gastroenterology and Hepatology, 2003 MS degree in the field of hepatonoecology, School of Medicine University of Zagreb, 2008 PhD degree in the field of inflammatory bowel disease, School of Medicine University of Zagreb; Work experience: 1998 Division of Gastroenterology and Hepatology, Departmentof Medicine, University Hospital Centre Zagreb 2013 Assistant Professor of Internal Medicine, School of Medicine University of Zagreb, Other activities: Croatian national representative in European Crohn’s and Colitis Organization and an active member of the ECCO EpiCom group. Member of the Croatian Society of Gastroenterology, Croatian IBD group, Croatian Society of Human Genetics: President of Adult Celiac Disease group of Croatian Society of Gastroenterology, Co-president of Croatian Society for Celiac Disease. Publications: author or co-author of 51 publications of which 26 in CC, and 29 chapters in books in the field of gastroenterology and internal medicine.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

2002-2013 "Inflammatory bowel disease" (MZOS Croatia, principal investigator B. Vucelić)

2009-2015; 2016-2020 "EpiCom (European Crohn’s Colitis Organisation) project: "Is there an East-West gradient in IBD incidence in Europe caused by environmental factors and defensins?"; Principal Investigators Pia Munkhol, Johan Burisch, Copenhagen

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

2002-2013 "Inflammatory bowel disease" (MZOS Croatia, principal investigator B. Vucelić)

2009-2015 - EpiCom project (European Crohn’s Colitis Organisation): "Is there an East-West gradient in IBD incidence in Europe caused by environmental factors and defensins?" voditelj; Pia Munkholm, Copenhagen

2014-2018 - Project of HRZZ: Assessment of Microbiota, Inflammatory Markers, Nutritional and Endocrinological Status in IBD Patients (MINUTE for IBD), principal investigator, Donatella Verbanac
2016-2020, EpiCom project (European Crohn’s Colitis Organisation): "Is there an East-West gradient in IBD incidence in Europe caused by environmental factors and defensins?" (voditelj Johan Burisch, Copenhagen)

2017 - "The role of pharmacogenetics in interactions and side effects of opioid drugs". Support from the University of Zagreb (principal investigator, N. Božina)

2018 - "The role of genomic polymorphism of cytochrome P450 metabolic enzymes (CYP) as a hepatotoxicity factor", supported by the University of Zagreb (principal investigator, T. Božina)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Marijana Coric, assoc prof.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Medical School University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Kidney transplantation, Liver transplantation in children

BIOGRAPHY

WORK EXPERIENCE

1994 -1995 Childrens Clinical Hospital, Zagreb, Croatia
1996-2000 Zagreb, Clinical Hospital Center, Zagreb, Croatia
2000 – till now, Zagreb, Clinical Hospital Center, Zagreb and Medical School University of Zagreb, Croatia

Main activities and responsibilities: Liver pathology, nephropathology, uropathology and electron microscopy

EDUCATION

Date: 1987-1993 Medical School University of Zagreb, Croatia, 1993 graduated – M.D.
1994 -1995 Internship – Childrens Clinical Hospital, Zagreb, Croatia
1996-2000 Residency in pathology, Clinical Hospital Center, Zagreb, Croatia
1997-1998 Postgraduate study (Natural Science – Biomedicine); Medical Faculty University of Zagreb, Croatia
2000 Master of Science, Zagreb, Medical Faculty University of Zagreb, Croatia
2005 Ph.D. Zagreb, Medical Faculty University of Zagreb, Croatia

Title or qualification awarded: MD; PhD

TRAINING

Year 1998 and 1999., Postgraduate course in theoretical and diagnostic histopathology

Place of training Alexandroupulis, Greece

Name and type of organisation providing training: The Departments of Pathology, The Democritus University of Trace, and University of Ioannina in collaboration with The St Bartholomew’s and the Royal London School of Medicine and Dentistry, And the University of Sheffield Medical School, U.K.

Principal subjects/Occupational skills covered: General and surgical pathology

Year 2006, training period in Nephropathology, Basel, Switzerland, Institute for Pathology, University Hospital of Basel, 2011, training period in Nephropathology, Boston, USA, Brigham and Women’s Hospital and Harvard Medical School in Boston

Principal subjects/Occupational skills covered: nephropathology and electron microscopy, liver pathology, uropathology

Additional information: assistant in Pathology since 2000., senior assistant in Pathology since 2006, assistant professor in Pathology, since 2009, assoc. prof. since 2017.

2007.-2011. senior researcher of the scientific project “Hepatocellular tumors” (108-0532264-0048)
2007.-2011. researcher of the scientific project “Proteomic research of urinary biomarkers of idiopathic nephrotic syndrome” (108-0982464-0178)

since 2015. researcher of the HRZZ project: Genotype-Phenotype correlation in Alport’s syndrome and Thin Glomerular Basement Membrane Nephropathy

since 2017. researcher of the HRZZ project: Epigenetic biomarkers in blood and ejaculate of patients with seminoma of the testis.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 16.1.2017.g.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

HRZZ project: Genotype-Phenotype correlation in Alport’s syndrome and Thin Glomerular Basement Membrane Nephropathy

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

HRZZ project: Epigenetic biomarkers in blood and ejaculate of patients with seminoma of the testis.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Marija Ćurlin, Assist. Prof.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Morphological research methods in biomedical sciences; Gene targeting in mammals; How to become a neuron?

BIOGRAPHY

Date and place of birth: 17.08.1973, Varaždin, Croatia

Current positions:
School of Medicine, University of Zagreb
- Assistant Professor of Histology and Embryology
- Head of the Laboratory for Neurogenetics and Developmental Genetics
- Head of the Electron Microscopy Centre

Previous working experience:
2009. – 2013.g. Postdoctoral research assistant at Department of Histology and Embryology, School of Medicine, University of Zagreb
2000. – 2009.g. Ph.D. research assistant at Croatian Institute for Brain Research, School of Medicine, University of Zagreb
1997. – 2000.g. research fellow at Croatian Institute for Brain Research, School of Medicine, University of Zagreb

Academic degrees achievement:
2013. Assistant Professor at University of Zagreb, School of Medicine and School of Dentistry
2006. Ph.D. in biomedical and basic medical sciences, University of Zagreb, School of Medicine
2000. Master of biomedical and basic medical sciences, University of Zagreb, School of Medicine
1997. Bachelor of science, molecular biology, University of Zagreb, Faculty of Science

Trainings:
Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany (2011.)
International Centre for Genetic Engineering and Biotechnology, Trieste, Italy (2002.),
active participation at more than 20 international conferences, meetings and workshops

Fields of research
- the role of neurotransmitters in molecular regulation of the endocervical gland activity
- interactions of metal nanoparticles with cells in vitro and in vivo (nerve and glandular tissue)
- regulation of gene expression in human and mouse brain
- intracellular regulation of endocytosis in neural cells (intracellular localization and function of the members of ESCRT complex)
- embryology, mouse developmental genetics and neurogenetics (cloning and analysis of gene trapped genes)
development of human brain (appearance and morphological diversity of the NADPH-d reactive “subplate” neurons in the human foetal telencephalon)

Teaching experience

- lectures, seminars and practicals in Histology and Embriology and four electives to M.D. students at School of Medicine, University of Zagreb (in Croatian and English) and to students at School of Dentistry, University of Zagreb
- lectures, seminars and practicals in four electives to M.D. students at School of Medicine, University of Zagreb, and three electives to PhD students, School of Dentistry and School of Medicine, University of Zagreb
- mentor of 2 BSc, 2 PhD thesis, and a student research dean award

Member of the following professional associations:

Croatian Microscopy Society
Croatian Society for Neuroscience
Croatian Brain Council
Croatian Laboratory Animal Science Association
Natural Family Planning Centre

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 9/18/2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- EU FP7 project „GlowBrain - Combining Stem Cells and Biomaterials for Brain Repair - Unlocking the Potential of the Existing Brain Research through Innovative In Vivo Molecular Imaging” (principal investigator Srećko Gajović)
- MSE project „Uloga gena u diferencijaciji i plastičnosti središnjeg živčanog sustava miša” (principal investigator Srećko Gajović)
- UKF project „Regeneration and plasticity after ischemic brain damage studied on innovative transgenic mouse models” (principal investigator Srećko Gajović)
- MSE project “Poremećaji razvitka genetski promijenjenih miševa” (principal investigator: Lj. Kostović-Knežević)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- EU FP7 project „GlowBrain - Combining Stem Cells and Biomaterials for Brain Repair - Unlocking the Potential of the Existing Brain Research through Innovative In Vivo Molecular Imaging” (principal investigator Srećko Gajović)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Vladimir Damjanović, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Chemistry and Biochemistry, School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical methods in biomedical research

BIOGRAPHY

Vladimir Damjanović was born on August 28th 1985 in Rijeka where he finished elementary and high school. He graduated at the Department of Chemistry, Faculty of Science University of Zagreb in 2009. He was awarded the medal of the Department of Chemistry for his achievements in study. As of 2009 he is employed as a teaching assistant/PhD student and from 2015 as a senior teaching assistant/postdoctoral researcher at the Department of Chemistry and Biochemistry, School of Medicine in Zagreb. He obtained his PhD in natural sciences (chemistry) in 2015 with the doctoral dissertation titled “Synthesis and properties of biologically active α-, m- and p-isomers of N-substituted mono- and bis(pyridinium aldoximes) and their cyano complexes of iron(II)”. His main research interests are related to the chemistry of the complexes of biologically relevant metals with ligands having potential pharmacological application. He is the author and co-author of 7 original scientific papers in journals cited by CC database, 3 original professional papers and 9 congress reports at national and international conferences. He participates in teaching the courses for medicine and dentistry students enrolled in the Integrated undergraduate and graduate study programme at School of Medicine and School of Dental Medicine, University of Zagreb, respectively, as well as for doctoral students enrolled in the Postgraduate study programme Biomedicine and Health Sciences at School of Medicine, University of Zagreb.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: -

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

2017 – 2018: Project *Enaminones and their complexes as antibacterial agents*, funded by University of Zagreb (Project leader: Prof. Dr. Jasna Lovrić)

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

2017 – 2021: Project *Metallosupramolecular architectures and inorganic-organic polyoxometalate based hybrids*, funded by Croatian Science Foundation (Project leader: Prof. Dr. Višnja Vrdoljak)

2017 – 2018: Project *Enaminones and their complexes as antibacterial agents*, funded by University of Zagreb (Project leader: Prof. Dr. Jasna Lovrić)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Sanja Darmopil, assistant professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Medicine and Croatian studies

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Human developmental neurobiology

BIOGRAPHY

Personal information: Born in Zagreb, August 17th 1975

E-mail: sdarmopil@hiim.hr, sanja.darmopil@gmail.com

Education:
2004 - 2009 PhD in neuroscience, Faculty of medicine, Universidad Autónoma de Madrid
2000 – 2002 MSc in immunology and physiology, Faculty of Science, University of Zagreb
1993 - 1999 BS in molecular biology, Faculty of Science, University of Zagreb, Croatia

Appointments:
2014- Assistant professor at Department of psychology, Croatian studies, University of Zagreb
2009 – 2014 Assistant at Department of Anatomy, Croatian Institute for Brain Research, School of Medicine, University of Zagreb, Croatia
2004 – 2009 Assistant at Biological psychology, Croatian studies, University of Zagreb

Training:
Sept – Nov 2011 French government scholarship, Cellular and Molecular Neuroanatomy laboratory, INSERM unit U751 “Epilepsy & Cognition”, Universite de la Mediterranee, Faculte de medecine Timone, Marseille, France

Languages: Fluently speaking and writing English and Spanish, basic knowledge of French

Research and academic experience:

• Teaching experience in neuroanatomy for medical students, as well as biological psychcology, cell biology and genetics for psychology students.

• Laboratory competencies include histological techniques (immunohistochemistry and histochemistry, in situ hybridization), neuromorpfometric and stereological quantitive methods, Western blot, work with laboratory animals (mouse, rat); experimental stereotaxic surgery, behavioural testing and enriched environment housing.

• Author and co-author of 5 publications in CC, 4 SCI publications, 2 SCI abstracts, 477 citations. • Member of Croatian Society for Neuroscience

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2nd april 2014

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2007 - 2009 – “Role of dopaminergic receptors in the structural and synaptic plasticity of the striatal neurons in mice model of L-DOPA induced dyskinesias”; Principal investigator: R. Moratalla; Ministry of health and consumption, Spain.

2003 - 2006 – “Characterization of neuronal codes and dopaminergic receptors involved in dyskinesias and dystonia”; Principal investigator: R. Moratalla i C. Magariños, Spanish Fond for sanitary investigation.

2003-2006 – “Molecular bases of the interactions between dopaminergic and cannabiod system”. Principal investigator: R. Moratalla; Spanish ministry of education and science.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2015- National centre of Excellence – “Centre for basic, clinical and translational neuroscience” Core - Neuro

2015 – 2018 "Biomarkers in schizophrenia – integration of complementary methods in longitudinal follow up of first episode psychosis patients”; HRZZ project. Principal investigator: Martina Rojnić Kuzman.

2014 – 2018”Microcircuitry of higher cognitive functions”; projekt HRZZ; 5493. Principal investigator: Zdravko Petanjek
NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Sanja Davidović-Mrsić, MD.PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: KBC Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical Methods in Biomedical Research; Laboratory approach to transplantation of haematopoietic stem cells; Methods of molecular biology in medicine

BIOGRAPHY

Education: Graduated from the School of Medicine, University of Zagreb, study visit and education at Medical College of Wisconsin, Milwaukee, USA (1990-1992), postgraduate study of Medical Genetics (Sch of Med, Univ of Zagreb), postgraduate study of Oncology (Sch of Med, Univ of Zagreb), specialist exam in transfusion medicine. MSc in the field of medicine, PhD in the field of clinical medical sciences, head doctor’s position. Study visits to centers for hemato-oncological cytogenetics (University Hospital Center Ljubljana, Slovenia, Universitaire Ziekenhuizen, Amsterdam, Center for Human Genetics, University of Leuven, Belgium, Erasmus University, Dept. of Cell Biology and Genetics, Rotterdam, The Netherlands, Centre of Oncocytogenetics, Institute of Clinical Biochemistry and Laboratory Diagnostics and General Teaching Hospital, Prague, Czech Republic, Department of Hemato-Oncology, Faculty of Medicine and University Olomouc, Czech Republic).

An attendee and active participant in many continuous education courses in Croatia covering the fields of cytogenetics and molecular cytogenetics in hemato-oncology. An attendee and active participant (invited speaker, organizer) of a large number of symposia, scientific meetings, workshops, congresses in Croatia, and participant in many international congresses.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: KRSTO DAWIDOWSKY, MD Phd, ASSOCIATED PROFESSOR

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: MEDICAL SCHOOL UNIVERSITY OF ZAGREB

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: ELECTROPHYSIOLOGICAL METHODS IN SCIENTIFIC RESEARCH

BIOGRAPHY

Krsto Dawidowsky was born in Zagreb in 1968. Since 1998 he is employed at University clinic for Otorhinolaryngology and Head & Neck Surgery, presently at the position as chief of the department. His professional field of work is neurootology, otsurgery and audiology. Since 2008 he teaches at Medical School, University of Zagreb, from 2015 as an Associated Professor of otorhinolaryngology. He is fluent in English, speaks German and Italian. In 1994 he graduated at Medical School, University of Zagreb, where he received his master’s degree in 2006 and his PhD in 2011. He is author of five chapters in books, 16 articles published in ENT journals, and 50 congress presentations.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 15.12.2015.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Ivančica Delaš

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical methods in biochemical research

BIOGRAPHY

EDUCATION:
1999: PhD, Biomedicine and Health, School of Medicine, University of Zagreb, Croatia
1986: Master of sciences, Biochemistry, University of Zagreb, Zagreb, Croatia
1980: University degree in Biotechnology, Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia

Teaching activities
1986 – now
Integrated undergraduate and graduate study of medicine:
"Medical chemistry and biochemistry I", School of Medicine, University of Zagreb;
"Medical chemistry and biochemistry II", School of Medicine, University of Zagreb;
"Clinical biochemistry", School of Medicine, University of Zagreb;
Integrated undergraduate and graduate study of dental medicine:
"Biochemistry", School of Dental Medicine, University of Zagreb;

Postgraduate Specialist Programmes
2001 - "Selected topics in biochemistry of skin and subcutaneous lipids", Postgraduate studies of Dermatovenerology, School of Medicine, University of Zagreb;
"Principles of Nutrition", The Coach Training and Education Department, Social Sciences Polytechnics in Zagreb

Postgraduate PhD Study Programmes
2001 - "The role of nutrition in a healing process", Postgraduate PhD Study in Nutrition, Faculty of Food Technology and Biotechnology, University of Zagreb;
2002 - 2007. Coordinator and teacher for “Medical Chemistry and Biochemistry I”, “Medical Chemistry and Biochemistry II” i “Clinical Biochemistry”, Medical Studies in English, School of Medicine, University of Zagreb.
2001 - 2007 Course teacher "Diet therapy" for students of nutrition at the Faculty of Food Technology and Biotechnology, University of Zagreb;
2002 - Associate Faculty of Kinesiology, University of Zagreb on the "Recreation"; Associate Faculty of Kinesiology, University of Zagreb, postgraduate study, the subject of "Models of kinesiology program in recreation"
2006- 2009 Associate at the Health Polytechnic, Zagreb, on modules "Chemistry" and "Biochemistry" for students of sanitary engineering, medical laboratory diagnostics and radiological technology.
2012 - Associate at the elective course "Nutrition in Health and Disease - selected topics" at the School of Medicine, University of Zagreb
2012. - Lecturing on "Biochemical methods in biomedical research" on postgraduate studies in the field of medicine and health care at the Medical University of Zagreb.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

2012. Scientific advisor
2015. Full professor
LIST OF PUBLISHED WORK, WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME,
THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Educational materials

1. Božina, Tamara; Cvijanović, Danijela; Damjanovic, Vladimir; Delaš, Ivančica; Fabris, Dragana; Foretić, Blaženka; Kalanj Bognar, Svjetlana; Karmelić, Ivana; Lovrić, Jasna; Mlinac Jekrović, Kristina; Pašalić, Daria; Picek, Igor; Potočki, Slavica; Sertić, Jadranka; Vukelić, Željka. Priručnik za vježbe iz medicinske kemije i biokemije za studente medicine ; 3., obnovljeno i preuređeno izdanje / Lovrić, Jasna (ur.). Zagreb, Medicinska naklada, 2017.


3. Andrejašević, Mirna; Barič, Ivo; Čačić Hribljan, Melita; Delaš, Ivančica; Dujmović, Mihela; Knezić, Koraljka; Lasić, Mirna; Maretić Dumić, Mirjana; Martinis, Irena; Omerza, Lana; Pašalić, Daria; Pavić, Eva; Rahešić, Dario; Tišljar, Miroslav; Tješić Drinković, Dario; Uroić, Valentina. Prilog spoznajama o značenju prehrane u prevenciji i liječenju bolesti /Delaš, Ivančica ; Čačić Hribljan, Melita (ur.). Zagreb, Medicinska naklada, 2011.


5. Mesarić, Marko; Stavleniž-Rukavina, Ana; Kljašć, Ksenija; Burger, Nikoleta; Ondrušek, Vilko; Delaš, Ivančica; Jandrić, Zlatica; Lovrić, Jasna; Foretić, Blaženka; Vukelić, Željka; Pašalić, Daria; Ribar, Slavica. Laboratory Course in Medical Chemistry and Biochemistry /Mesarić, Marko (ur.). Zagreb, Medicinska naklada, 2004.

6. Stavleniž-Rukavina, Ana; Kljašć, Ksenija; Burger, Nicoletta; Mesarić, Marko; Lovrić, Jasna; Delaš, Ivančica; Foretić, Blaženka; Vukelić, Željka; Pašalić, Daria; Ribar, Slavica; Ondrušek, Vilko. Vježbe iz medicinske biokemije za studente stomatologije /Mesarić, Marko (ur.). Zagreb, Medicinska naklada; Medicinski fakultet Sveučilišta u Zagrebu, 2002.

Scientific papers

1. Barišić, Josip; Čož-Rakovac, Rozelinda; Delaš, Ivančica; Topić Popović, Natalija; Gavrilović, Ana; Jug-Dujaković, Jurica; Brailo, Marina; Hribljan, Dariana; Kulišić-Bilušić, Tea. Predictive modeling of European flat oyster (Ostrea edulis L.) fatty acid composition. // Aquaculture International. 25 (2017), 2; 805-825

2. Vranković, Lana; Delaš, Ivančica; Reljić, Slaven; Huber, Duro; Maltar-Strmečki, Nadica; Klobučar, Karla; Krivić, Gabriela; Stojević, Zvonko; Aladrović, Jasna. The Lipid Composition of Subcutaneous Adipose Tissue of Brown Bears (Ursus arctos) in Croatia. Physiological and biochemical zoology. 90 (2017), 3; 399-406.

3. Delaš, Ivančica; Kalinić, Dubravka; Mimica, Ninoslav; Beer Ljubić, Blanka; Mandelsamen Perica, Marina; Ćurić, Maja; Folnegović Grošič, Petra; Delaš, Ivančica. Oxidative status and the severity of clinical symptoms in patients with post-traumatic stress disorder: Annals of clinical biochemistry. 52 (2015), 1; 95-104.

5. Kalinić, Dubravka; Borovac Štefanović, Leda; Jerončić, Ana; Mimica, Ninoslav; Dodig, Goran; Delaš, Ivančica. Eicosapentaenoic acid in serum lipids could be inversely correlated with severity of clinical symptomatology in Croatian war veterans with posttraumatic stress disorder. Croatian medical journal. 55 (2014), 1; 27-37
6. Tudor Kalit, Milna; Kalit, Samir; Delaš, Ivančica; Kelava, Nikolina; Karolyi, Danijel; Kaić, Dubravka; Vrdoljak, Marija; Havranek, Jasmina. Changes in the composition and sensory properties of Croatian cheese in a lamb skin sack (Sir iz mišine) during ripening. International journal of dairy technology. 67 (2014), 2; 255-264.

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS
1. Barišić, Josip; Čož-Rakovac, Rozelinda; Delaš, Ivančica; Topić Popović, Natalija; Gavrilović, Ana; Jug-Dujaković, Jurica; Brailo, Marina; Sauerborn-Klobučar, Roberta; Babić, Sanja; Strunjak-Perović, Ivančica. Predictive modeling of European flat oyster (Ostrea edulis L.) fatty acid composition. Aquaculture International. 25 (2017), 2; 805-825
2. Vranković, Lana; Delaš, Ivančica; Reljić, Slaven; Huber, Đuro; Maltar-Strmečki, Nadica; Klobučar, Karla; Krivić, Gabriela; Stojević, Zvonko; Aladrović, Jasna. The Lipid Composition of Subcutaneous Adipose Tissue of Brown Bears (Ursus arctos) in Croatia. Physiological and biochemical zoology. 90 (2017), 3; 399-406
3. Jurić, Anita; Delaš, Ivančica; Vukušić, Tomislava; Milošević, Slobodan; Režek Jambrak, Anet; Herceg, Zoran. Influence of Gas Phase Plasma and High Power Ultrasound on Fatty Acids in Goat Milk. American journal of food technology. 11 (2016), 4; 125-133
4. Tudor Kalit, Milna; Buntić, Ivan; Morone, Giuseppe; Delaš, Ivančica; Kalit, Samir. The content of free fatty acids in relation to electronic nose sensors responses and sensory evaluation of cheese in a lamb skin sack (Sir iz mišine) throughout ripening. Miljekarstvo. 66 (2016), 1; 26-33
5. Borovac Štefanović, Leda; Kalinić, Dubravka; Mimica, Ninoslav; Beer Ljubić, Blanka; Aladrović, Jasna; Mandelsamen Perica, Marina; Ćurić, Maja; Folnegović Grošić, Petra; Delaš, Ivančica. Oxidative status and the severity of clinical symptoms in patients with post-traumatic stress disorder. Annals of clinical biochemistry. 52 (2015), 1; 95-104
7. Kalinić, Dubravka; Borovac Štefanović, Leda; Jerončić, Ana; Mimica, Ninoslav; Dodig, Goran; Delaš, Ivančica. Eicosapentaenoic acid in serum lipids could be inversely correlated with severity of clinical symptomatology in Croatian war veterans with posttraumatic stress disorder. Croatian medical journal. 55 (2014), 1; 27-37
8. Tudor Kalit, Milna; Kalit, Samir; Delaš, Ivančica; Kelava, Nikolina; Karolyi, Danijel; Kaić, Dubravka; Vrdoljak, Marija; Havranek, Jasmina. Changes in the composition and sensory properties of Croatian cheese in a lamb skin sack (Sir iz mišine) during ripening. International journal of dairy technology. 67 (2014), 2; 255-264.
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018. - Principal investigator „Specificity of lipid status in patients with endometriosis“,  
2015 - 2016 Collaborator „Composition and role of follicular fluid in the development of healthy and fertile egg cells“,  
2014 - 2015 Collaborator “Healthy sperm membrane as a prerequisite of fertile ability”  
2013. - Collaborator, „Application of electrical discharge plasma for preservation of liquid foods”, HRZZ, NTP01  
2009 - 2010. Principal investigator, scientific project "Relationship between lipid metabolism and the prevalence of PTSD", Croatian Academy of Sciences and Arts;  
2009 – 2010. Principal investigator; Scientific project "Relationship between lipid metabolism and the prevalence of PTSD", Croatian Academy of Sciences and Arts.  

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018. - Principal investigator „Specificity of lipid status in patients with endometriosis“,  
2015 - 2016 Collaborator „Composition and role of follicular fluid in the development of healthy and fertile egg cells“,  
2014 - 2015 Collaborator “Healthy sperm membrane as a prerequisite of fertile ability”  
2013. - Collaborator, „Application of electrical discharge plasma for preservation of liquid foods”, HRZZ, NTP01

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE  
5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Associate Professor Diana Delić-Brkljačić, MD, Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Electrophysiological methods in medical research, Application of Doppler in research and diagnosis of diseases of blood vessels

BIOGRAPHY

Work experience:
Since 10/2015 Chair, Department of Cardiology, University Hospital Center „Sisters of Mercy”
Since 2012 vice chair, Cathedra for Internal Medicine, University of Zagreb School of Medicine (UZSM)
Since 2012 vice president, Croatian Cardiac Society
11/2008-10/2015 chief doctor, Division of cardiac and blood vessel diseases, Internal medicine Department, Univ.Hospital Center „Sisters of Mercy“, Zagreb
9/2003-2009 assistant and higher assistant, Cathedra for Internal Medicine, UZSM
2009-2015 assist. Professor, since 20.7.2015. Associate professor of internal medicine, UZSM
Since 7/1996 board certified internist, UHC Sisters of Mercy
1992-1996 resident in internal medicine, UHC SM
1990-1992 scientific trainee, Internal Medicine Department, UH Sisters of Mercy

Education and training:
Elementary school and Mathematical Gymnasium, Zagreb
University of Zagreb School of Medicine, 1983-1988.; graduated on 15.7.1988., average mark 4.80;
Demonstrator, Department of Anatomy
1988-90. internship, UH Sisters of Mercy, Zagreb
13.4.1990. State competence exam
1990.-92. Postgraduate studies of natural sciences (Biomedicine), Natural-Mathematic Faculty, and University of Zagreb
1992.-1996. Resident in internal medicine
3.7.1996. Board certified internal medicine specialist
May and June 2000. – visiting fellowship Department of Cardiology, University Hospital of Hamburg-Eppendorf, transesophageal echocardiography training. Several times training in cardiac electro stimulation in Switzerland.
19.12.2007. PhD thesis «Influence of ATII blockers and calcium channel blockers on Doppler resistance index, acceleration time and acceleration index in intrarenal arteries of patients with essential hypertension, UZSM

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: Assist. Professor, since 20.7.2015. Associate professor of internal medicine, UZSM

LIST OF PUBLISHED WORK, WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Experience in scientific projects: Principal investigator in Ministry of Science project „Predictors of atrial fibrillation in patients with AV block and cardiac pacemaker (134-0362979-0119) “. Collaborator on project: „Application of Doppler and multislice CT in kidney and blood vessel diseases (108-1080232-0141) “ and on the University support project „Sjögren's syndrome – proteogenomics of neurotransmitters, autoimmunity and atherogenesis“ –2013-14
LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- 2007th to 13th Head of the MZOS scientific project "Atrial fibrillation predictors in patients with AV block and heart electrostimulator"

- 2007th to 13th - researcher at the scientific project "Application of Doppler and multilayer CT in kidney and blood vessels"

- 2008 - the author of the chapters in the textbook "Internal Medicine" of the Faculty of Medicine of the University of Zagreb

- 2009 - author of chapters in the textbook "Internal Medicine" of the Faculty of Dentistry of the University of Zagreb

- 2013 - 14 associates on the project / support "Sjögren's Syndrome - Neurotransmitters, Autoimmunity and Atherogenesis Proteogenomics" at the University of Zagreb

- co-author of 28 published scientific / professional papers in indexed journals; out of which 14 papers were published in CC-indexed journals and 14 in SCOPUS and MEDLINE

- Lecturer at several domestic and foreign scientific and professional conferences

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- 2007th to 13th Head of the MZOS scientific project "Atrial fibrillation predictors in patients with AV block and heart electrostimulator"

- 2007th to 13th Researcher at the scientific project "Application of Doppler and multilayer CT in kidney and blood vessels"

- 2013 - 14 Associates on the project / support "Sjögren's Syndrome - Neurotransmitters, Autoimmunity and Atherogenesis Proteogenomics" at the University of Zagreb

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 3
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: MD, PhD Alma Demirovic

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: UHC "Sestre milosrdnice"

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: "Viral hepatitis"

BIOGRAPHY

ALMA DEMIROVIĆ, MD, PhD
(birth last name Dubravić)
Dunjevac 15B
10000 Zagreb, Croatia
Phone: +385 1 24 45 450; +385 91 508 97 04
Email: alma.demirovic@kbsm.hr
demirovic.alma80@gmail.com
Work address University Hospital Centre “Sestre milosrdnice”
Vinogradska cesta 29
10000 Zagreb, Croatia
Phone: +385 1 37 87 465; Fax: +385 1 37 87 244
Date and place of birth June 12, 1980, Tuzla, Bosnia and Herzegovina
Citizenship Croatia
Education
1999-2005, School of Medicine, University of Zagreb
2005, September 22: MD degree, School of Medicine, University of Zagreb
2006, April 15: Research Assistant, University Department of Pathology, University Hospital Centre “Sestre milosrdnice”, Zagreb
2007, February 22: License for clinical practice in Croatia
2007, September 1: Residency, Anatomic Pathology
2006-2009. PhD study: Zagreb University School of Medicine, Zagreb, Croatia
2009: Postgraduate Study in Anatomic Pathology, Zagreb University School of Medicine, Zagreb, Croatia
2011, December 16: PhD degree, Zagreb University School of Medicine, Croatia
2013: Pathologist (Board Certified, Croatia)
Appointments
2006: Internship, Clinical Hospital Centre, Zagreb, Croatia
2006: Research Assistant, University Department of Pathology, University Hospital Centre “Sestre milosrdnice”, Zagreb
2007: Resident, University Department of Pathology, University Hospital Centre “Sestre milosrdnice”, Zagreb
2013: Staff Pathologist, Specialist, University Department of Pathology, University Hospital Centre “Sestre milosrdnice”, Zagreb
2014: Research associate (Biomedicine – clinical medical science)
Scientific interests
GI pathology
Molecular pathology of the tumors
Uropathology
Neuroendocrine tumors (GEP, Breast)
Language skills
English (C1)
German (B1)
IT skills
Office (Word, Excel, Power Point), Endnote
Organization skills
2006-2012 - Member of the Organizing Committee of „Ljudevit Jurak” International Symposium on Comparative Pathology, Zagreb, Croatia
2008 - Member of the Organizing Committee of 23rd Meeting of Adriatic Society of Pathology, Dubrovnik, Croatia
2012….. – Member of the Organizing Committee of the Round table at the Croatian Academy of Sciences and Arts “Apoptosis and tumors”

Awards
2012. University of Zagreb School of Medicine: Award as most productive PhD student
2012. University of Zagreb School of Medicine, Sergej Saltykow foundation: Award for the best doctoral dissertation
2013. Bursary from the European Society of Pathology (ESP) for participation on 25th European Congress of Pathology, Lisbon, 2013
2014. Bursary from the Sergej Saltykow foundation for the participation at “Basic molecular biology for pathologist”, Institute of Pathology, Medical University of Graz, March 31 - April 4, 2014
Seminars, education
2006 – Methodological Courses in Biology and Medicine – DNA and RNA (isolation of DNA, isolation of RNA, PCR, RT-PCR, Real-time PCR, Southern blot hybridization, dot blot hybridization, sequencing and genotyping using microsatellites), Ruđer Bošković Institute, Zagreb, Croatia
2006 – 1st Training and Proposal Building Meeting of the Medical Research Initiative South Eastern Europe, Maribor, Slovenia
2010 - European School of Pathology – Gastrointestinal Pathology, Zagreb, Croatia
2010 - British-Bosnian School of Pathology - Dermatopathology , Sarajevo, Bosnia and Herzegovina
2010 - Apoptosis, programmed cell-death - The Academy of Medical Sciences of Croatia (Board of Basic Medical Sciences) – Round table
2012 - European School of Pathology – Update in Dermatopathology, Zagreb, Croatia
2013 - The Open Medical Institute of American Austrian Foundation – Salzburg Cleveland Seminar in Pathology, Salzburg, Austria
2014 - Basic molecular biology for pathologist, Institute of Pathology; Medical University of Graz, Austria
2015 - European School of Pathology – Update in the Gastrointestinal Pathology, Zagreb, Croatia
2015 – Bryan Warren School of Pathology – Pancreatic and Liver Pathology, Sarajevo, Bosnia and Herzegovina
2016 - Apoptosis, programmed cell-death - The Academy of Medical Sciences of Croatia (Board of Basic Medical Sciences) – Round table
2016 - The Open Medical Institute of American Austrian Foundation – Salzburg Cleveland Seminar in Pathology, Salzburg, Austria
2016 - Bryan Warren School of Pathology – GI and Breast Pathology, Sarajevo, Bosnia and Herzegovina
2016 – Third Scientific Symposium: Gastrointestinal tumors: colorectal cancer. Croatian Academy of Sciences and Arts (invited speaker), 16th November, Zagreb, Croatia
2017 – 14th ENETS Conference – Post ENETS Webinar, April.
2017 – 6th E-congress „Cases from clinical practice in endocrinology and diabetology”, Department for endocrinology, University Hospital Center “Sestre milosrdnice”, April, Zagreb, Croatia (invited speaker)
2017 - Zagreb School of Endocrine Oncology, 13-17 March, University Hospital Center Sestre milosrdnice, Zagreb (invited speaker)
2017 - 2nd Meeting of the Pannonian Working Group of Gastrointestinal Pathology, Ljubljana, 7-8 April (invited speaker)
2018 – Zagreb School of Endocrine Oncology, 12-16 March, University Hospital Center Sestre milosrdnice, Zagreb (invited speaker)
2018 – Symposium: Collections in acute pancreatitis, 6 April, University Hospital Center Sestre milosrdnice, Zagreb
Memberships
ENETS (2016-)
ENGIP (2016-)
European Society of Pathology (ESP) (2013-)
European Association for Cancer Research (2011-)
Croatian Association for Cancer Research (Member of European Association for Cancer Research) (2011-)
Family status  Married, two children

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: /

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Od 2017 - Regenerativna i reproduktivna medicina –istraživanja novih platformi i potencijala (CERRM) - Europski strukturni i investicijski fondovi

2006-2009 - Organizacija i evaluacija patoanatomskog tumorskog registra i banke tumora – Ministarstvo znanosti, obrazovanja i športa

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Od 2017 - Regenerativna i reproduktivna medicina –istraživanja novih platformi i potencijala (CERRM) - Europski strukturni i investicijski fondovi

2006-2009 - Organizacija i evaluacija patoanatomskog tumorskog registra i banke tumora – Ministarstvo znanosti, obrazovanja i športa

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

/
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Margareta Dobrenić, MD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb, University hospital centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Analysis of medical images

BIOGRAPHY

Date of birth: 12/11/1980

Education:
1999-2005: School of medicine University of Zagreb
2005-2006: internship, General hospital Sisak, Sisak
2007-2011: nuclear medicine resident, Department of nuclear medicine and radiation protection, University hospital centre Zagreb, Zagreb, Croatia

Work experience:
01/2017 – present: assistant in education, Department of nuclear medicine, School of Medicine University of Zagreb
2016- present: nuclear medicine physician, Department of nuclear medicine and radiation protection – unit for PET/CT, University hospital centre Zagreb
2007-2011: nuclear medicine resident, Department of nuclear medicine and radiation protection, University hospital centre Zagreb, Zagreb, Croatia
2006-2007: general practice physician, Medical centre for railway workers, Sisak
2005-2006: internship, General hospital Sisak, Sisak

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

IAEA Coordinated Research Project Dosimetry in Radiopharmaceutical therapy for personalized patient treatment. Role: secondary chief scientific investigator

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

IAEA Coordinated Research Project Dosimetry in Radiopharmaceutical therapy for personalized patient treatment. Role: secondary chief scientific investigator
IAEA Coordinated Research Project *Dosimetry in Radiopharmaceutical therapy for personalized patient treatment*. Role: secondary chief scientific investigator
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Jagoda Doko Jelinić

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Reproduction and workplace

BIOGRAPHY


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: April 2018.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Associate Professor Tomislav Domazet-Lošo, Dr. rer. nat.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Genomic approaches in biomedical and translational research

BIOGRAPHY

Professor Domazet-Lošo was born in 1974 in Split, Croatia. He graduated biology from Faculty of Science, Zagreb, Croatia in 1997 and attained his doctorate in genetics from University of Cologne, Cologne, Germany in 2003. He was a postdoc at the Max-Planck Institute for Evolutionary Biology in Plön and visiting scientist at the University of Kiel between 2008 and 2011. Since 2011 he has been an independent group leader at Ruđer Bošković Institute, and since 2016 a professor at Catholic University of Croatia, Zagreb, Croatia. Prof. Domazet-Lošo’s area of scientific interest is evolutionary genomics, evolution of development, evolution of genetic diseases and cancer, and macroevolution. He has published 25 scientific papers which have been cited 4260 times according to the Google Scholar, and held more than 29 invited lectures at international scientific conferences. Prof. Domazet-Lošo is the recipient of twelve awards and distinctions including Order of the Croatian Morning Star for outstanding contributions to science (2012), Croatian State Award for Science (2012), and Postdoctoral Fellowship of the Max-Planck Society (2008-2010).


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Domazet-Lošo T, Tautz D (2010) Phylostratigraphic tracking of cancer genes suggests a link to the emergence of multicellularity in metazoans. BMC Biology 8:66 (Q1, IF5.2 - 2010)

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Croatian Science Foundation, Phylostratigraphy of gene gain and loss IP-2016-06-5924, principal investigator, 2017– 2021

Zaklada Adris, Phylo-transcriptomics of the sexual and asexual ontogeny in grapevine (Vitis vinifera L.); principal investigator, 2014 – 2016

Grad Zagreb, Evolutionary systems biology of the multicellularity behavior in bacteria; principal investigator, 2014 – 2017

Centar Izvrsnosti - Znanstveni centar izvrsnosti za znanost o podatcima i kooperativne sustave, MZOS, suradnik, https://across-datascience.zci.hr/zci , 2015 –


The University of Western Australia Research Collaboration Award, Building the vertebrate: evolutionary implications of DNA methylation in zebrafish body plan formation; member, 2014 – 2016

Deutschen Forschungsgemeinschaft, Molecular mechanisms of epithelial defense in the phylogenetically old metazoan Hydra; member, 2010 – 2014

Unity Knowledge Grant No.49, Phylostratigraphic analysis of disease genes expression in the context of life cycle; member, 2009 – 2010
Zaklada Adris, Start-up of the Genomic phylostratigraphy centre; member, 2008 – 2011
MZOŠ projekt 098–0982913–2832, Evolution and function of the fast evolving genome sequences; member, 2007 – 2012
MZOŠ projekt, Evolutionary dynamics of satellite DNA; 416,000 HRK, member, 2002 – 2006
Deutschen Forschungsgemeinschaft Project Ta99-17, Evolution of fast evolving genes in Drosophila;; 160,000 EUR; member, 1999 – 2001

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
Croatian Science Foundation, Phylostratigraphy of gene gain and loss IP-2016-06-5924, principal investigator, 2017– 2021
Zaklada Adris, Phylo-transcriptomics of the sexual and asexual ontogeny in grapevine (Vitis vinifera L.); principal investigator, 2014 – 2016
Grad Zagreb, Evolutionary systems biology of the multicellularity behavior in bacteria; principal investigator, 2014 – 2017

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Klara Dubravčić

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of molecular biology in medicine

BIOGRAPHY

Klara Dubravčić was born in Split on October 15, 1969. She graduated in medical biochemistry from the School of Pharmacy and Biochemistry, University of Zagreb. Currently she works as medical biochemistry specialist in Department of Laboratory Diagnostics, University Hospital Center Zagreb and participates in under- and postgraduate teaching.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/her FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2017-2021. Signalni mehanizmi i metaboličke promjene u diferencijaciji stanica akutne mijeloične leukemije. (Voditelj: prof dr. sc. Dora Višnjić)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: prof Aleksandra Dugandžić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Electrophysiological methods in medical research

BIOGRAPHY

WORK EXPERIENCE

2008-present School of medicine, University of Zagreb
2006-2007 Mayo Clinic, Physiology & Biomedical Engineering, Rochester, MN, USA
2005-2006 Case Western Reserve University, School of Medicine, Dept Physiol&Biophys, Cleveland, OH, USA
2000-2005 Med Klinik und Poliklinik D, Exp Nephrologie, Universitaetsklinikum Muenster, Germany
1996-1999 Department of Physiology School of Medicine, University of Zagreb, Croatia

EDUCATION

2000-2003 School of medicine, University of Zagreb, Ph.D.
1996-1999 School of Medicine, University of Zagreb, Department of Physiology, M.S.
1989-1996 School of Medicine, University of Zagreb, M.D.

TRAINING

May 2006 Washington D.C., USA, NIH, Single channels recordings

TEACHING

2008 – present

Undergraduate program Physiology and elective "Body fluids and oedema" for MD students (for Croatian and foreigner students) at Department of Physiology and Immunology, School of Medicine, University of Zagreb, Zagreb

Graduate curriculum:

Neuricience:
“Research of membrane proteins in different expression systems”
"Introduction to patch-clamp"
"Cellular neurophysiology"

Biomedicine and health sciences:
"Electrophysiological methods in medical research"

Physiology for students at Collage of Medicine, Zagreb
2006 Undergraduate program Physiology for MD students at Department of Physiology and Biophysics - Case Western Reserve University, Cleveland, OH, USA

1998-2000 physiology for students at Collage of Medicine, Zagreb

1996 – 1999 Physiology, Immunology, Neurophysiology and elective CURRICULUM (Body fluids and oedema) at Department of Physiology and Immunology, School of Medicine, University of Zagreb

1991-1995 teacher assistant at Department of Physiology and Immunology, School of Medicine, University of Zagreb

MENTORSHIP OF DEFENDED DOCTORAL DISSERTATIONS

Doctoral theses:
2018 Nikola Habek: „Expression and effects of uroguanylin in the mouse brain“, School of Medicine, University of Zagreb, Croatia
2016 Franjo Jurenec: Effects of thymoglobuline on the hypoxia-reoxygenation injury in HEK-293 cells in culture. Faculty of science, University of Zagreb, Croatia
2014 Katarina Špiranec. “The effects of natriuretic peptides on the bradykinin signaling pathway in primary culture of neurons” Faculty of Veterinary Medicine University of Zagreb, Croatia
2013 Marina Dobrivojević: “The effect of natriuretic peptides on the bradykinin signaling pathway after ischemic injury in the mouse brain” Medical school, University of Zagreb, Croatia

Diploma theses:
2013 Karolina Rubik: “Effects of guanylin peptides on bradykinin signaling pathway in HEK293 cell culture” Faculty of science, University of Zagreb, Croatia

AWARDS AND RECOGNITIONS

2017 Outstanding reviewer, Elsevier, Biomedicine & Pharmacotherapy
2003 WCN 2003 GfN/Deutsche Nierenstiftung TRAVEL GRANTS
1995 Rector’s Award of the School of Medicine University of Zagreb

ORGANIZATIONAL SKILLS AND COMPETENCES

2017 member of organizing committee of The 4th Congress of Croatian Physiological Society and 2nd Regional Congress of the Physiological Societies, 21st – 24th Sep 2017, Dubrovnik, Croatia, 150 participants

2016 member of organizing committee of The 11th Annual CPS Symposium with International Participation, 17th - 19th Sep 2016, Zagreb, Croatia, 50 participants
2013 member of organizing committee of The 3rd Congress of Croatian Physiological Society and 1st Regional Congress of the Physiological Societies, 13th – 15th Sep 2013, Rijeka, Croatia, 170 participants

2008 member of organizing committee of The 1st Eastern European CF Conference, 28th - 30th Nov 2008, Zagreb, Croatia, 150 participants

MEMBERSHIP IN SCIENCE ORGANIZATIONS AND BODIES

Croatian Physiological Society
Croatian Society for Neuroscience

OTHER RESEARCH ACTIVITIES

I attended 35 international and national conferences.

REVIEWER: Frontiers in Pharmacology, Frontiers in Physiology

ADDITIONAL INFORMATION AND NOTES

Invited Talks (selected):

Sindic A. Actions of guanylin peptides in mouse and human kidney. 2002
   Dept. Physiology, Emory University, School of Medicine, Atlanta;
   Dept Physiology & Biophysics, University of Alabama, Birmingham;
   Dept Cellular & Molecular Physiology, Yale Univ. School of Medicine, New Haven,


Sindic A. Effects of natriuretic peptides on Bradykinin signaling pathways: potential use in treatment of Angioedema?, University of Münster, Germany, 2010

2013 The 3rd Congress of Croatian Physiological Society and 1st Regional Congress of the Physiological Societies, 13th – 15th Sep 2013, Rijeka, Croatia

2013 Göttinger Transporttage, 23th – 24th Nov 2013, Göttingen, Germany

2015 7th International Conference on cGMP, 19th – 21st June 2015, Trier, Germany

2015 5th Croatian Neuroscience Congress, 17th - 19th September 2015., Split, Croatia

2016 The 11th Annual CPS Symposium with International Participation, 17th - 19th Sep 2016, Zagreb, Croatia

2017 The 4th Congress of Croatian Physiological Society and 2nd Regional Congress of the Physiological Societies, 21st – 24th Sep 2017, Dubrovnik, Croatia

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 26th march 2013
LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Chapters in books:

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2006-2008 Cystic fibrosis foundation (CFF) postdoctoral fellowship

2009 PI, Brain Gain – Homing Programme – Croatian Science Foundation

2008 – 2012 PI, research grant CardioPep GmbH, Hannover, Germany

2012 – collaborator at prof dr Srećka Gajovića grant EU FP7 GlowBrain

2014 – supported by University “Mechanism of action of guanylin peptides in the signalling pathway of bradykinin in the brain”

2015 – supported by University “Mechanism of action of guanylin peptides in the brain”

2015 – collaborator at asst prof Dinko Mitrečić grant "Development of Technology of Regenerative Medicine for Treatment of Brain Diseases" European Social Fund

2016 – supported by University “Expression and function of uroguanylin in the brain”

2017 – supported by University “Physiological role of uroguanylin and GC-C in the brain”

2017 – 2021 collaborator - grant of Svjetlane Kalanj Bognar „Molecular markers of vulnerability, adaptation and neuronal plasticity in acute and chronic brain injury"

2017. – 2022. collaborator - grant No. KK.01.1.1.01.0007, CoRE - Neuro at Centre of Excellence for basic, clinical and translational neuroscience, School of Medicine, University of Zagreb founded by European Union

2019. – 2023. PI – research grant „The function of uroguanylin, a new protein in the brain, from the cell physiology to human health” (IP-2018-01-7416)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2012 – collaborator at prof dr Srećka Gajovića grant EU FP7 GlowBrain

2014 – supported by University “Mechanism of action of guanylin peptides in the signalling pathway of bradykinin in the brain”

2015 – supported by University “Mechanism of action of guanylin peptides in the brain”

2015 – collaborator at asst prof Dinko Mitrečić grant "Development of Technology of Regenerative Medicine for Treatment of Brain Diseases" European Social Fund

2016 – supported by University “Expression and function of uroguanylin in the brain”

2017 – supported by University “Physiological role of uroguanylin and GC-C in the brain”

2017 – 2021 collaborator - grant of Svjetlane Kalanj Bognar „Molecular markers of vulnerability, adaptation and neuronal plasticity in acute and chronic brain injury"

2017. – 2022. collaborator - grant No. KK.01.1.1.01.0007, CoRE - Neuro at Centre of Excellence for basic, clinical and translational neuroscience, School of Medicine, University of Zagreb founded by European Union

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 4
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Davorka Dušek, MD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital for Infectious Diseases, School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: PhD Programme Biomedicine and Health Science - course "Viral hepatitis"

BIOGRAPHY: Davorka Dušek, born on 5th October 1980, following graduation from School of Medicine at the University of Zagreb in 2005, worked as a Research Fellow at the University Hospital for Infectious Diseases in Zagreb in the field of viral hepatitis and immunocompromised patients. She started Infectious Disease residency in 2007 that she finished in 2012; since then she is working as attending physician at Department for Viral Hepatitis in University Hospital for Infectious Diseases. During her residency, in 2009 she gained additional education in infections in immunocompromised patients at National Institutes of Health, NCI/ETIB, Bethesda, USA. Since 2015, she is involved in graduate training in the course of Infectious Diseases (Croatian and English studies), as well as postgraduate training (Viral Hepatitis Course). From 2012-2015 she has been Treasurer of the Trainee Association of European Society for Clinical Microbiology and Infectious Diseases. She is currently also working as Secretary and Treasurer of UEMS Infectious Diseases Section.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Research project “Molecular diagnostics of Epstein-Barr and CMV infection”
Research project “Imunopathogenesis of hepatitis B and C” – evaluation of predictors for response during treatment of chronic hepatitis C, evaluation of chemokine profile during HCV treatment
"Infectomics Study of Human Liver Non-parenchymal Cells in Chronic Hepatitis C” (HRZZ)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Collaborator in project “Clinical and biological factors determining severity and activity of chronic graft- versus-host disease after allogeneic hematopoietic stem cell transplantation” - ID consultant, research on viral infection (esp. herpesviridae) and fungal infection in correlation with cGVHD
"Infectomics Study of Human Liver Non-parenchymal Cells in Chronic Hepatitis C” (HRZZ), junior researcher
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Tina Dušek, MD PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Surgical treatment of pituitary tumors; Disorders of adrenal gland

BIOGRAPHY

Education

Position
Consultant endocrinologist at the Department of Endocrinology and Diabetes, University Hospital Zagreb. Head of the Croatian Referral Centre for neuroendocrinology

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 26 October 2014. Assist Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

ADIUVO (protocol NCT00777244) - “Efficacy of adjuvant mitotane treatment in prolonging recurrence-free survival in patients with adrenocortical carcinoma at low-intermediate risk of recurrence.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

ADIUVO (protocol NCT00777244) - “Efficacy of adjuvant mitotane treatment in prolonging recurrence-free survival in patients with adrenocortical carcinoma at low-intermediate risk of recurrence.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Marko Duvnjak, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Metabolic syndrome, Viral hepatitis

BIOGRAPHY

CURRICULUM VITAE

Prof. Marko Duvnjak, M.D., Ph.D.
Mob: +38598 98 38 930
E-mail: marko.duvnjak1@gmail.com

Personal:
Date of Birth: December 5, 1949
Place of Birth: Virovitica, Croatia
Marital Status: Married, two child
Citizenship: Croatian
Language: Croatian, English

Education:

1975. Medical Doctor Degree, University of Zagreb, Medical School
1984. Post-Graduate Program in Gastroenterology and Hepatology
2002. Postgraduate Course Health Services Financial Management

Employment:

1975. Internship, Sibenik General Hospital
1978-1982. Internal Medicine Residency, "Sveti Duh" General Hospital, Zagreb, Croatia
1982-1989. Dept of Gastroenterology "Sveti Duh" General Hospital, Department of Medicine, Zagreb, Croatia
1989-2017. Dept of Gastroenterology and Hepatology Clinical Hospital "Sestre milosrdnice", Zagreb, Croatia
1994-2017. Head, Department of Gastroenterology and Hepatology, Clinical Hospital "Sestre milosrdnice", Zagreb, Croatia
2003-2004. Head of Clinical Hospital Centre “Sestre milosrdnice”
2011-2018. Head of Department of internal medicine of Clinical hospital centre “Sestre milosrdnice”

**Academic Appointments**

1988. Scientific Assistant, Department of Medicine, Medical School, University of Zagreb
1991. Scientific Associate, Department of Medicine, Medical School, University of Zagreb
1993- present Instructor, Post-Graduate Course “Gastroenterologic endocrinology”, Medical School, University of Zagreb
1994 - 1998. Assistant Professor, Department of Internal Medicine, Medical School, University of Zagreb
1998 – 2007. Associate Professor, Department of Internal Medicine, Medical School, University of Zagreb
2003: Scientific Advisor
2007- 2012. Professor, Department of Medicine, Medical School, University of Zagreb
2012. Distinguished Professor, Department of Medicine, Medical School, University of Zagreb

**Certificates:**

1976 State Licence Exam
1982 Internal Medicine Licence Exam
1996 Subspeciality in Gastroenterology

**Activities:**

- President of Croatian Society of Ultrasound in Medicine and Biology (2005-present)
- Former President of Croatian Society of Gastroenterology (2001-2003)
- Member of the Editorial Board of World Journal of Gastroenterology (2004-)
- Member of American Gastroenterology Association (AGA)
- Member of European Association for the Study of the Liver (EASL)
- Member of American Society for Gastrointestinal Endoscopy (ASGE)
- Member of European Pancreatic Club (EPC)
- Member of International Association of Pancreatology (IAP)
- Assistant to the Editor of Experimental and Clinical Gastroenterology (1990. -1994.)
- President of the 3rd Congress of the Croatian Society of Gastroenterology with International Participation, Zagreb, September 23-26, 2001
- President of the 2nd Croatian-Austrian-Slovenian-Hungarian Gastroenterology Meeting, Dubrovnik, June 27-29, 2002

Scientific Projects Sponsored by Ministry of Science and Technology:

- "Transrectal Endosonography in Evaluation of Rectal Carcinoma" (1991-1996)
- "The Role of Hepatitis B Virus X Protein in the Development of Liver Carcinoma and Optimization of Gene therapy Approach for the Destruction of X Protein mRNA by Antisense Oligonucleotides" (1997-2002)
- “Nonalcoholic steatohepatitis in association with metabolic syndrome” (2007-present)

Mentorship

R. Troskot "Prognostička vrijednost ultrazvuka u akutnom pankreatitisu"
V. N. Šimičević "Učinak cink-sulfata u liječenju vrijedna dvanaesnika u štakora"

PHD: M. Skalicky "Istraživanje promjena papile Vateri u kolecistektomiranih osoba s proširenim glavnim žučovodom" (1999)

PHD L. Virović-Jukić: “Modifikacija ribavirina radi ciljane dostave hepatocitima u svrhu poboljšanja terapije virusnog hepatitis C”

PHD T. Pavic: “Utjecaj bilijarnje opstrukcije na koncentraciju greлина, kolecistokinina, humoralnih pokazatelja upale i nutritivni status”

PHD L. Neven Baršić: “Važnost povišenih vrijednosti gama glutamil transpeptidaze za otkrivanje I procjenu težine nealkoholnog steatohepatitisa.

PHD L. Marija Gomerčić Palčić: “Ekspresija I distribucija kaveolina -1 I transformirajućeg čimbenika rasta beta u hepatocitima bolesnika s nealkoholnom masnom bolesću jetara.”

Experience in clinical trials:

- Phase III study in viral hepatitis
- Phase III clinical trial in chemotherapy for colorectal cancer
- Phase III clinical study in GERD
- Phase III clinical study in bleeding peptic ulcers
- Phase II & III trials in Crohn’s disease
- Phase II clinical study in Ulcerative Colitis
- Phase III trial in Crohn’s disease
- Phase II trial in Ulcerative colitis

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Scientific Projects Sponsored by Ministry of Science and Technology:

- "The Role of Hepatitis B Virus X Protein in the Development of Liver Carcinoma and Optimization of Gene therapy Approach for the Destruction of X Protein mRNA by Antisense Oligonucleotides" (1997-2002)
- "Nonalcoholic steatohepatitis in association with metabolic syndrome" (2007.- 2014.)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Istraživanje sastavnica metaboličkog sindroma u procjeni rizika za razvoj malignoma GI sustava (2018.-)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Nikola Đaković, professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical laboratory diagnostics of malignant melanoma with special reference to molecular-biological diagnosis assessment

BIOGRAPHY

1985 – graduated at University of Zagreb, School of Medicine, MD degree
1985-1986 – internship, Institute of Public Health, Zagreb
1986-1988 – postgraduate studies in Epidemiology and Oncology, University of Zagreb, School of Medicine
1988-1991 – residency, Oncology and Radiotherapy, Clinical Hospital Centre Sestre Milosrdnice. Zagreb
1995 assistant professor, University of Zagreb, School of Medicine
2002 associate professor, University of Zagreb, School of Medicine
2008 full professor, University of Zagreb, School of Medicine
Head, Institute for Clinical Medical Research and Education, Sisters of Charity University Hospital Centre

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2014

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
- Interferon Therapy for Melanoma Patients, Ministry of Science and Education

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
- NRF2 at the intersection of epigenetic modeling, metabolism and proliferation of cancer cells, Croatian Science Foundation

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: prof. emeritus Josip Delmiš, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER:

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Physiology and biochemistry of the uterus in pregnancy and labor, Diabetes and pregnancy

BIOGRAPHY

Current position: Professor emeritus, University of Zagreb School of Medicine, Department of Obstetrics and Gynecology

Education:

1984. PhD in Biomedicine and Health Sciences, University of Zagreb School of Medicine
1980.-1982. Postgraduate study: Perinatology and neonatology, University of Zagreb School of Medicine
1980. Master postgraduate study, University of Zagreb School of Medicine
1977.-1979. Postgraduate study in Medical cytology, University of Zagreb School of Medicine
1971. Doctor of medicine (MD), University of Zagreb School of Medicine

Scholarships and courses:

1988-1989. Assistant and Collaborator at project on Brown University, Rhode Island USA

Employment:

2016-now: Professor emeritus
2012. Full Professor Tenure of Obstetrics and Gynecology (Undergraduate and Postgraduate study, University of Zagreb School of Medicine)
2009.-2015. Head of Department for perinatology (Women’s Clinical Hospital, University Hospital Centre Zagreb)
1994.-2009. Head of Unit for diabetes and fetal growth
1985.-2015 Cumulatively employed at the School of Medicine (Department Obstetrics and Gynecology) and University Hospital Centre Zagreb (Women’s Clinical Hospital)
1977.-2015. Specialist in obstetrics and gynecology, Women’s Clinical Hospital, University Hospital Centre Zagreb

Research projects:

Collaborator in projects of Support for scientific research (University of Zagreb):

2018. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes“, PI professor M. Ivanišević, PhD
2017. “Prevention of hypoglycemia in pregnant women and puerperas with diabetes type 1”, PI professor M. Ivanišević, PhD
2016. “The effect of diet on lipid content and adipokines concentration in placental tissue”, PI professor M. Ivanišević, PhD

2015. “The effect of diet on lipid content in placental tissue”, PI professor M. Ivanišević, PhD

Project leader in Croatian Ministry of Science, Education and Sports projects: Teaching activity and mentoring:

2007-2013: "Metabolic and endocrine changes in diabetic pregnant women

2002-2006: "Diabetes and pregnancy"

1997-2002: "Diabetes and pregnancy"


Collaborator in Croatian Ministry of Science, Education and Sports projects:

2009-2014: "Diabetes and metabolic syndrome after previous gestational diabetes" (PI: prof. M. Ivanišević, PhD)

2002-2006: “Hypertension and pregnancy” (PI: prof. M. Ivanišević, PhD)

Full Professor Tenure of Obstetrics and Gynecology at Undergraduate study (course OBGYN), and course leader of 2 Postgraduate’s courses University of Zagreb School of Medicine

1989.–2013. Mentor of PhD thesis:


Mentor of master thesis:

1. Šegregur J. Rast fetusa u trudnica s gestacijskim dijabetesom, Zagreb, 2005.


Memberships in professional associations:
- Croatian Medical Association
- Croatian society of obstetricians and gynecologists
- Croatian society of perinatal medicine
- Croatian diabetology Society
- European association for perinatal medicine (EAPM)
- International Society for Placenta
- American diabetes association (ADA)
- Diabetes Pregnancy Study Group of EASD

Head and lecturer in courses for continuous medical education.
- 2010.-now: Chief Editor of Journal “Gynaecologia et perinatatologia” of Croatian Medical Association
- 1999.-now: ordinary member of Diabetes Pregnancy Study Group of EASD

ORGANISATION OF SCIENTIFIC MEETINGS (conferences, congress, symposia):
- Head and lecturer in courses for continuous medical education: Improvements in Perinatology, Prostaglandins in gynecology, obstetrics and related areas, New insights into the placenta, Hypertension and pregnancy, Diabetes and pregnancy, Neurological diseases and pregnancy, Emergencies in obstetrics and gynecology, Ultrasound in obstetrics and fetal medicine as well as Ultrasound in fetal cardiology.

1. „Parinatalni dani – Ante Dražančić“ 2016., Zagreb (predsjednik skupa)
2. „Parinatalni dani – Ante Dražančić“ 2014., Zagreb (predsjednik skupa)
3. „Parinatalni dani – Ante Dražančić“ 2013., Osijek (predsjednik skupa)
4. „Alpe Adria Perinatal Medicine Meeting“ 2011., Zagreb (predsjednik skupa)
5. „Kongres ginekologa i opstetričara“ 2011., Split (član znanstvenog odbora)
6. „Parinatalni dani – Ante Dražančić“ 2010., Solin (član znanstvenog odbora)
7. „Diabetes Pregnancy Study Group – EASD” 2008., Cavtat (predsjednik skupa)
8. „Diabetes Pregnancy Study Group – EASD” 1999., Brijuni (predsjednik skupa)


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Author of books:


Đelmiš, Josip; Desoye, Gernot; Ivanšević, Marina (ur.). Diabetology of Pregnancy Basel : Karger, 2005 (priručnik).


Book chapters:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Collaborator in projects of Support for scientific research (University of Zagreb):

2018. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes”, PI professor M. Ivanišević, PhD

2017. “Prevention of hypoglycemia in pregnant women and puerperas with diabetes type 1”, PI professor M. Ivanišević, PhD

2016. “The effect of diet on lipid content and adipokines concentration in placental tissue”, PI professor M. Ivanišević, PhD

2015. “The effect of diet on lipid content in placental tissue”, PI professor M. Ivanišević, PhD

Project leader in Croatian Ministry of Science, Education and Sports projects: Teaching activity and mentoring:

2007-2013: "Metabolic and endocrine changes in diabetic pregnant women"
2002-2006: "Diabetes and pregnancy"
1997-2002: "Diabetes and pregnancy"

Collaborator in Croatian Ministry of Science, Education and Sports projects:
2009-2014: "Diabetes and metabolic syndrome after previous gestational diabetes" (PI: prof. M. Ivanišević, PhD)
2002-2006: “Hypertension and pregnancy” (PI: prof. M. Ivanišević, PhD)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
Collaborator in projects of Support for scientific research (University of Zagreb):
2018. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes”, PI professor M. Ivanišević, PhD
2017. “Prevention of hypoglycemia in pregnant women and puerperas with diabetes type 1”, PI professor M. Ivanišević, PhD
2016. “The effect of diet on lipid content and adipokines concentration in placental tissue”, PI professor M. Ivanišević, PhD
2015. “The effect of diet on lipid content in placental tissue”, PI professor M. Ivanišević, PhD

Project leader in Croatian Ministry of Science, Education and Sports projects: Teaching activity and mentoring:
2007-2013: "Metabolic and endocrine changes in diabetic pregnant women

Collaborator in Croatian Ministry of Science, Education and Sports projects:
2009-2014: "Diabetes and metabolic syndrome after previous gestational diabetes" (PI: prof. M. Ivanišević, PhD)
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Dragan Đurđević, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Traumatology Clinic, Clinical Hospital Center “Sestre Milosrdnice”
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Bone morphogenetic proteins in regeneration of bone and cartilage, Doctoral postgraduate study in the field of Biomedicine and public health

BIOGRAPHY
Born on July 6th 1960 in Sušak, Rijeka. After finishing elementary school and high school enrolled to the University of Zagreb School of Medicine from which I graduated in 1987. Since 1992 I have been an employee of the Zagreb Traumatology Clinic, which has since July 2010 been a part of the Clinical Hospital Center “Sestre Milosrdnice”. In 1997 I had my specialist exam in general surgery. My special area of interest is surgery of the pelvis and acetabulum, as well as of the shoulder. I have had training in the USA and France, and have actively participated in a great number of Croatian and international specialist conferences. In 2002 I obtained my master’s degree, and in April 2017 my PhD degree (title “Efficacy of bone morphogenetic protein BMP1-3 in bone healing”).
I am a member of the International Collegue of Surgeons, Croatian Surgical Society, Croatian Traumatology Society, Croatian Association of Orthopeadic and Trauma Surgeons, and Croatian Physicians Association. I am married, wife Marijana, daughter Nina and son Marin.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. "OSTEOGROW - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration" 2012 – 2017 (European Commission, FP7 HEALTH program, Grant Agreement No. 279239)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. "OSTEOGROW - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration" 2012 – 2017 (European Commission, FP7 HEALTH program, Grant Agreement No. 279239)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mr Tarek El-Toukhy

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Consultant and Senior Lecturer in Reproductive Medicine, King’s College London, UK

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Human reproduction

BIOGRAPHY

- **Qualifications:** MBBCh, USMLE, MSc, MD, MRCOG
- **Experience:** Subspecialty accreditation in Reproductive Medicine obtained in October 2007 and CCT in Obstetrics and Gynaecology obtained in February 2008
- **Special Skills Modules completed:** Level II laparoscopic surgery, Level II hysteroscopic surgery, Gynaecological Ultrasound, Urodynamics, Colposcopy and Medical Education
- **Special interests:** Reproductive Medicine and Minimal Access Surgery
- **Experience:** Over 80 publications in peer-reviewed journals and over 100 oral and poster presentations in national and international meetings
- **Research interests:** single embryo transfer, pre-implantation genetic diagnosis (PGD), frozen embryo replacement cycles, minimal access surgery and meta-analysis of randomised studies in the field of reproductive medicine
- **Completed the RCOG Special Skills Module in Medical Education**
- **Faculty member in a 6-monthly Laparoscopic Simulation Training course**
- **Faculty member in a 3-monthly course on advanced surgical techniques**
- **Faculty member in a 6-monthly MRCOG revision course**
- **Faculty member in the British Fertility Society Embryo Transfer Training Course**
- **Faculty member of a twice yearly Gynaecological Ultrasound Course**
- **Weekly teaching of medical students from King’s College London (KCL)**
- **Regular participation in the Reproductive and Sexual Health SSM at KCL**
- **Regular participation in year 4 medical students end of year OSCE examinations**
- **Regular supervision and mentoring of SSM and BSc students in preparing their projects**

Credentials and membership of societies:
Associate Professor of Obstetrics and Gynaecology, Cairo University, Egypt.
Member of the Royal College of Obstetricians and Gynaecologists, UK.
Member of the British Fertility Society, UK
Member of the European Society for Human Reproduction and Embryology, Belgium

Graduate Qualification
MBBCh, Grade Excellent with Honours, Faculty of Medicine, Cairo University, Egypt 1991

Post-graduate Qualifications
. USMLE - American National Board Examination, USA September 1993
. MSc - Obstetrics and Gynaecology, Cairo University, Egypt May 1996
. MRCOG - London September 1998
. MD - Obstetrics and Gynaecology, Cairo University, Egypt November 1998
. Completion of Subspecialty Training in Reproductive Medicine, UK 2007
. Certificate of Completion of Training (CCT) in Obstetrics and Gynaecology, UK 2007

Certificates
. Management Development Programme for SpRs, King’s College Hospital, London 2004
. Laparoscopy Level II certificate, RCOG, London 2005
. Hysteroscopy Level II certificate, RCOG, London 2005
. Ultrasound in Gynaecological Conditions, RCOG London 2005
. Embryo Transfer Accreditation, British Fertility Society, London 2005
. Colposcopy Accreditation, BSCCP/RCOG, London 2005

Prizes and Awards
. Numerous prizes during undergraduate education
. Best performance in the Master Degree (MSc) examination in Obstetrics and Gynaecology, Cairo University, Egypt, June 1996
. South East Gynaecological Society Annual prize for SpR presentations, Lewisham Hospital, London, November 2001
. Short-listed for the “Promising Young Clinician Award” by the European Society of Human Reproduction and Embryology (ESHRE), Vienna, Austria, July 2002
. Oral presentation prize, the Annual South Thames Postgraduate Conference, St. Thomas’ Hospital, London, September 2004
. First prize for poster presentations, 6th International RCOG Meeting, Cairo, September 2005
. Second prize for poster presentations, 6th International RCOG Meeting, Cairo, September 2005
. Oral presentation prize, the Annual South Thames Postgraduate Conference, St. Thomas’ Hospital, London, September 2006
. Hospital Doctor Award for “Best Innovative Team of the year”, London, November 2006
. Best Young Clinician Award from the Annual conference of the British Fertility Society, University of York, April 2007
. Fertility Society of Australia Prize for best judged presentation, Fertility UK 2007 meeting, April 2007
. Finalist for the Hospital Doctor Award for “Best Obstetrics and Gynaecology Team of the year”, London, November 2007
. Oral presentation prize, 7th International RCOG Meeting, Montreal, Canada, September 2008.

Present Appointment
Consultant Gynaecologist and sub-specialist in Reproductive Medicine and Surgery and PGD, Guy’s and St. Thomas’ Hospital NHS Foundation Trust, London.
Senior lecturer, King’s College London, University of London

Previous Appointments
Sub-specialty Registrar in Reproductive Medicine, Guy’s and St. Thomas’ Hospital NHS Foundation Trust, London (April 2006-December 2008)
The RCOG accredited subspecialty training programme in Reproductive Medicine at Guy’s and St. Thomas’ Hospital offers comprehensive experience in reproductive medicine, including advanced techniques of assisted conception, pre-implantation genetic diagnosis, embryology, genetics, endocrinology, andrology
and psychosexual medicine. This post has equipped me with the necessary skills to achieve my ambition of working as an NHS consultant in a tertiary-referral Reproductive Medicine centre offering specialized fertility care of the highest standard and producing high quality teaching and academic output.

Specialist Registrar, Benenden Hospital Trust and Maidstone and Tunbridge Wells Hospitals NHS Trust (October 2005 – April 2006) SpR to Mr M Hefni, FRCOG, Miss A E Davies, FRCOG and Mr M Mossa, FRCOG
Specialist Registrar, Queen Mary’s Sidcup Hospital NHS Trust (October 2004 – October 2005) SpR to Miss L Hanna, FRCOG and Mr A Seif, MRCOG
Specialist Registrar, Princess Royal University (Farnborough) Hospital, Bromley NHS Trust (October 2003 – October 2004) SpR to Mr J Erian, FRCOG and Mr N Hill, FRCOG
Fellow/ Registrar in Reproductive Medicine, Guy’s and St. Thomas’ Hospital NHS Trust, London (June 2000 – June 2003) Fellow to Professor P Braude, Miss A Taylor and Mr Y Khalaf
SHO in Gynaecology, Benenden Hospital, Kent, (August 1998 – February 2000) SHO to Mr M Hefni, FRCOG and Miss A E Davies, FRCOG
Senior Registrar and Lecturer in Obstetrics and Gynaecology, Cairo University Hospital, Egypt (December 1996 - August 1998)
Clinical Fellow, Al-Ebtessama Centre for Reproductive Medicine and Endocrinology, Cairo, Egypt (October 1996 - December 1996)
Registrar (Chief Resident) in Obstetrics and Gynaecology, Cairo University Hospital, Egypt (September 1993 - September 1996)
Registrar in General Surgery, Kasr El-Manial Hospital, Cairo, Egypt. (March 1993 - September 1993)
House officer in Urology, Cairo University Hospital, Egypt (January 1993 - March 1993)
House officer, Cairo University Hospital, Egypt. (March 1992 - December 1992)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2006
LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


“Viral screening before each ART treatment cycle is expensive and unnecessary: a survey of results from an inner city UK assisted conception unit” Pepas L, MacMahon E, El-Toukhy T, Khalaf Y, Braude P. Hum Fert 2011;14(4): 224-229.


b) Review articles, book chapters, opinion articles and letters


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

“The predictive value of mean sac diameter, fetal heart rate evaluation and serum B-HCG and CA-125 levels in the prognosis of first trimester threatened abortion” This was a two year project accepted for MD Degree in Obstetrics and Gynaecology at Cairo University.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 7
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Marijan Erceg, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Croatian Institute of Public Health

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Epidemiological research methods

BIOGRAPHY

Graduated in 1987 on the Faculty of Medicine of the University of Zagreb and gained the title of Doctor of Medicine. In 1994 he completed his postgraduate studies in Health Information Systems and defended his master’s thesis entitled "Model of information system for continuous epidemiological research based on the method of small area analysis". In 1996 he placed a specialist exam in epidemiology with a postgraduate study "Epidemiology". In 2012 he defended his dissertation titled "Five-year cumulative incidence of arterial hypertension in cohort of subjects with initially normal arterial pressure or prehypertension" at the Faculty of Medicine, University of Osijek, mentored by prof.dr.sc. Silvije Vuletić.

From 1989 to 1993 he worked as a general practitioner and head of the Information Center of the Community Health Centre in Split. Specialization in epidemiology started at the Public Health Institute of Split-Dalmatia County in 1993 and passed a specialist examination in 1996. From 1996 to 2002 he worked as epidemiologists at the County Institute of Public Health of the Split-Dalmatia County. Since 2002 he has been working at the Croatian Institute for Public Health. From 2002-2004 he was the Director of the Croatian Institute for Public Health. From 2005 to 2012 he worked as a head of department at the Department of Public Health. Since 2013 to 2017 he has been working as head of the Epidemiology Department. Since 2018 he has been working as head of the Department of Mortality Statistics at the Department of Epidemiology and Prevention of Chronic Diseases. Since 2016 he has been a scientific associate in the scientific field of biomedicine and healthcare - field of public health and health care.

He participated in the Croatia Health Survey 2003 and 2008 projects and the twining project "Improving the Quality of the National Cancer Screening Programs" (CRO SCREENING) during 2016-2017.

As an external associate he participated in the teaching of the subjects of Epidemiology at the Faculty of Medicine, University of Zagreb where he proved to be a responsible and successful teacher.

In performing the work of the epidemiologist at the Croatian Institute for Public Health, he has proved himself a conscientious and reliable collaborator in projects that require cooperation with domestic and foreign stakeholders.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


#### b) Radovi objavljeni u časopisima koji su zastupljeni u Science Citation Indexu – Expanded ili SSCI


#### c) Radovi objavljeni u drugim katalogiziranim publikacijama ili sažeci u indeksiranim časopisima


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


b) Radovi objavljeni u časopisima koji su zastupljeni u Science Citation Index – Expanded ili SSCI

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

The Croatian Adult Health Survey (CAHS) – 2003.
The Croatian Adult Healt Cohort Study (CroHort) – 2008.

“Improvement of quality of the National Cancer Screening Programmes implementation” (CRO SCREENING); Twinning Number: HR 14 IB SO 01; Contract number: TF/HR/P3-M2-O4-0101 2016-2017.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Viktorija Erdeljić Turk, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Characteristics of clinical medical research

BIOGRAPHY

Viktorija Erdeljić Turk, MD, PhD, qualified in medicine in 1999. During and following her medical training she participated in research programs conducted in cooperation with United Nations High Committee for Refugees (Health Surveillance Program), United Nations Children’s Fund (Nutrition and Health Status Improvement in War Affected Areas) and World Health Organization (Development of Information and Rehabilitation System for Crisis Situations; Land Mines: Protection, Epidemiology, Financial Analysis and Raising Awareness). Following graduation at Medical School Zagreb she worked for 3 years for a Contract Research Organization. After completing her training in clinical pharmacology she continued her work at the University Hospital Zagreb, further developing protocols for drug allergy testing and consultations following pregnancy drug exposure, in addition to pursuing her other professional interests in biostatistics and rational pharmacotherapy. She is also a consultant supervising antimicrobial prescribing at the hospital level. Dr Erdeljić Turk is strongly clinically oriented; she is seeing patients on the floor at the Division of Clinical Pharmacology, in the outpatient clinic as well as in the emergency room. She is a member of the Drug and Therapeutics Committee at the University Hospital Zagreb. She is instructor in Advanced Life Support of the Croatian Resuscitation Council. In addition, Dr Erdeljić Turk is involved in the training of medical students at the graduate and postgraduate level. She is a member of the National Committee for Medicines and Medicinal Products (Ministry of Health). Her other interests and hobbies include hiking, mountain climbing, mountain biking. She is a trainee of the Croatian Mountain Guides Association.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

beginning of the recovery phase as markers of increased risk for depressive episode recurrence under different duration of maintenance therapy and after it. Croat Med J. 2018;59:244-52.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Multimodal approach to treatment and follow od patients with depression up by MR imaging

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- Multimodal approach to treatment and follow od patients with depression up by MR imaging

Croatian Science Foundation, Postodotoral researcher

- Antibiotic Consumption and Bacterial Resistance

Research project supported by the Ministry of Science and Education

- Mental health in the community

Pilot project of the World Health Organization, in cooperation with the European Council and Office for Public Health of the City of Zagreb.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Igor Erjavec, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Bone morphogenetic proteins in regeneration of bone and cartilage; Proteomics in biomedical research

BIOGRAPHY

Igor Erjavec was born on 21.04.1982 in Zagreb, Croatia. He graduated molecular biology at Faculty of Science, University of Zagreb in 2007. He enrolled in „Biomedicine and Health“ PhD programme in 2009, while obtaining his PhD in 2014 with a dissertation „Effect of Serotoninemia on Bone Remodelling Metabolism“. He published 16 scientific papers with an $h$-index of 8 with 163 citations according to Scopus and 161 citations according to Web of Science database. In 2012 he was awarded with the „New investigator“ award by European Calcified Tissue Society (ECTS). In 2017 he was a postdoctoral fellow for one year at Center for excelenice in metabolomics and bioanalysis (Centro de excelenice en Metabolomica y Bioanalisis; CEMBIO), Sveučilište CEU San Pablo, Madrid. In 2019 he was promoted to research assistant at the Department of Anatomy.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

15.1.2019; research associate

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
- 2010.-2012. „Bone morphogenetic protein-1 isoforms in bone regeneration“ UKF project, project leader academician Slobodan Vukičević
- 2011.-2014. „Novel targeted therapy for treating osteoporosis: BONE6-BIS“, Croatian Science Foundation, project leader academician Slobodan Vukičević
- 2012.-2016. „OSTEOGROW“ - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration, FP7 HEALTH, project coordinator academician Slobodan Vukičević

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
- 2010.-2012. „Bone morphogenetic protein-1 isoforms in bone regeneration“ UKF project, project leader academician Slobodan Vukičević
- 2011.-2014. „Novel targeted therapy for treating osteoporosis: BONE6-BIS“, Croatian Science Foundation, project leader academician Slobodan Vukičević
- 2012.-2016. „OSTEOGROW“ - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration, FP7 HEALTH, project coordinator academician Slobodan Vukičević

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Dr.sc. Božidar Ferek-Petrić
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Medtronic Adriatic d.o.o. Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Electrophysiological methods in medical research, Structure, methodology and functioning of scientific work 2

BIOGRAPHY
Personal Data
Born May 30th 1955 in Zagreb. Father of the two daughters.

University degree
1974- 1979 University of Zagreb, Faculty of Electrical Engineering. MS electrical engineering
2005 University of Zagreb, Faculty of Electrical Engineering, PhD in technical science, electronic engineering

EMPLOYMENT
1980 – 1997 Clinic of Cardiac Surgery, University Hospital Rebro, clinical engineer
March 1997 – September 2013. Medtronic Adriatic d.o.o. Therapy Development Manager
Rujan 2013 - danas. Principal Medical Affairs Specialist, Medtronic Academia - Eastern Europe

AWARDS & CERTIFICATES
2009. god. Certified Cardiac Device Specialist (CCDS) at the International Board of Heart Rhythm Examiners of the Heart Rhythm Society of America.

FOREIGN LANGUAGES English (active), German (active), Russian (passive)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
http://bib.irb.hr/lista-radova?autor=124606
https://scholar.google.com/citations?user=MNnDojsAAAAJ&hl=en&oi=ao

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS
Malčić, Ivan; Kniewald, Hrvoje; Buljević, Bruno; Ferek-Petrić, Božidar; Boban, Marko; Hrabak Paar, Maja; Težak, Stanko; Strozzi, Maja; Dilber, Daniel.
Medicinski aspekti // Prirođene srčane greške od dječje do odrasle dobi – smjernice za liječenje odraslih s prirođenim srčanim greškama (OPSG) / Malčić, Ivan ; Šmalcelj, Anton ; Anić, Darko ; Planinc, Danijel (ur.). Zagreb : Medicinska naklada, 2017. Str. 23-111.
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018 g. Analiza strukture miokarda u zatajivanju srca fazno-kontrastnim oslikavanjem srca X-zrakama

2017. g. Liječenje uznapređenog zatajivanja srca kombinacijom mehaničke potpore lijevoj klijetci i naprednih oblika elektrostimulacije

2016. g. Novija saznanja o mehanici srca u procjeni kliničkih ishoda bolesnika liječenih resinkronizacijom srca

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018 g. Analiza strukture miokarda u zatajivanju srca fazno-kontrastnim oslikavanjem srca X-zrakama

2017. g. Liječenje uznapređenog zatajivanja srca kombinacijom mehaničke potpore lijevoj klijetci i naprednih oblika elektrostimulacije

2016. g. Novija saznanja o mehanici srca u procjeni kliničkih ishoda bolesnika liječenih resinkronizacijom srca

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Igor Filipčić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Psychiatric Hospital “Sveti Ivan”, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Telemedicine; Clinical psychopharmacology

BIOGRAPHY

Specialist psychiatrist and subspecialist of biological psychiatry. I am the Head manager of the Psychiatric Hospital "Sveti Ivan" and head of the integrative psychiatry program "PIPS" of Psychiatric Hospital "Sveti Ivan". 2008 year I defended my doctoral dissertation "The Depth of Depression and the Impact of treating depression on the quality of life of patients with chronic somatic diseases” and received the Croatian psychiatric society award for best doctoral dissertation from the psychiatry. From 2002 to 2008 I was an associate in the design, writing and implementation project "The program of reduction of stigma and discrimination of psychic patients”. Continually I am improving my professional competence in the field of biological psychiatry – education for Transcranial magnetic stimulation at the Boston University Hospital in neurology and psychiatry Harvard Medical School, in 2016 I get the qualification for the use deep transcranial magnetic stimulation “Certificate of Brainsway deep TMS operator” and in association with Harvard TH Chan, School of Public Health and Institute for Healthcare improvement I completed "The International Leadership Development for Physicians Program”. I am member and president number of organizational committees from psychiatric fields. Author and co-author in 8 books and 65 scientific papers (CC, SCI or SSCI). As a lecturer I participated in over 50 domestic and international conferences. I am an extraordinary professor at the Department of Psychiatry at the Department of Dental Medicine and Health at the University of Josip Juraj Strossmayer in Osijek - head of the Psychiatric Department. Also, I am head of the University undergraduate study for nursing in Čakovec and Pregrada the same Faculty of dental medicine and health at Josip Juraj Strossmayer University in Osijek, Croatia. Professor of high school of the Zagreb University Health Care Center - head of Department for Psychiatry. I am an extraordinary professor at the Department of Psychiatry and Psychological Medicine at the University of Zagreb Medical School. I have participated in several domestic and international projects, and I am an active member of the research team for clinical trials. I am Co-editor in the CURENT OPINION PSYCHIATRY magazine, as well, a member of the Editorial Board of the HPD Journal of Social Psychology and Journal of Alcoholism and Psychiatry Research. I am the President of the Croatian Society for Brain Neurostimulation at Croatian Medical Association. I am a member of the Bureau of Biomedicine and Health Sciences of the Agency for Science and Higher Education. Also, I am a deputy member of the High Court of the Croatian Medical Chamber and member of the Ethics Committee of the Institute for Anthropology.

DATE OF LAST APPOINTMENT TO A RESEARCH- AND TEACHING OR ART- AND TEACHING RANK: 05/28/2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


4. Ivana Todorić Laidlaw, Ninoslav Mimica, Berislav Momčilović, Jasna Jurasović, Sandra Caratan, Igor Filipčić, Sandra Vuk Pisk, Žarko Bajić, Stipe Drmić: Trace elements concentrations association with schizophrenia symptoms; a cross-sectional study in Croatia; Psychiatry Danubina, 2018; Vol. 30, No. 2, pp 164-171


7. Restek-Petrović, Branka; Majdančić, Ana; Molnar, Sven; Grah, Majda; Ivezić, Ena; Filipčić, Igor; Bogović, Anamaria; Grošić, Vladimir; Mayer, Nina; Kezlić, Slobodanka; Pavlović, Irena. Early intervention programme for patients with psychotic disorders in “Sveti Ivan” Psychiatric hospital (RIPEPP) - sociodemographic and baseline characteristics of the participants, Psychiatry Danubina (0353-5053) 29 (2017); 162-170.


16. Vuk Pisk, Sandra; Mihanović, Mate; Filipčić, Igor; Bogović, Anamaria; Ruljančić, Nedjeljka. The impact of obesity on suicidality among female patients suffering from bipolar affective disorder: the indirect role of body dissatisfaction. Alcoholism and Psychiatry Research (1849-8582) 53 (2017); 5-16


18. Vuk, Antonia MD; Baretic, Maja MD, PhD; Osstatic, Martina Matovinovic MD, PhD; Filipic, Igor MD, PhD; Jovanovic, Nikola MD, PhD; Kuzman, Martina Rojnic MD, PhD Treatment of Diabetic Ketoacidosis Associated With Antipsychotic Medication, Journal of Clinical Psychopharmacology (IF:2.891), August 2017, Volume 37, Issue 4

20. Matić, K., Šimunović Filipič, I., Bajić, Ž., Filipič, I. GERD is associated with the outcome of MDD treatment. April 2017 DOI: 10.1016/j.eurpsy.2017.01.559

21. Lučev, N., Vuk, A., Šimunović Filipič, I., Filipčić I. Comparison of ten-years risk of fatal cardiovascular events calculated by heartscore in diabetic patients with and without post-traumatic stress disorder (PTSD) comorbidity, April 2017

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


4. Ivana Todorić Laidlaw, Ninoslav Mimica, Berislav Momčilović, Jasna Jurasović, Sandra Caratan, Igor Filipčić, Sandra Vuk Pisk, Žarko Bajić, Stipe Drmić: Trace elements concentrations association with schizophrenia symptoms; a cross-sectional study in Croatia; Psychiatria Danubina, 2018; Vol. 30, No. 2, pp 164-171


7. Restek-Petrović, Branka; Majdančić, Ana; Molnar, Sven; Grah, Majda; Ivezić, Ena; Filipić, Igor; Bogović, Anamarija; Grošić, Vladimir; Mayer, Nina; Kezić, Slobodanka; Pavlović, Irena. Early intervention programme for patients with psychotic disorders in “Sveti Ivan” Psychiatric hospital (RIPEPP) - sociodemographic and baseline characteristics of the participants, Psychiatria Danubina (0353-5053) 29 (2017); 162-170.


16. Vuk Pisk, Sandra; Mihanović, Mate; Filipčić, Igor; Bogović, Anamarija; Ruljančić, Nedjeljka. The impact of obesity on suicidality among female patients suffering from bipolar affective disorder: the indirect role of body dissatisfaction. Alcoholism and Psychiatry Research (1849-8582) 53 (2017); 5-16


18. Vuk, Antonia MD; Baretic, Maja MD, PhD; Osvatic, Martina Matovinovic MD, PhD; Filipic, Igor MD, PhD; Jovanovic, Nikola MD, PhD; Kuzman, Martina Rojnic MD, PhD Treatment of Diabetic Ketoacidosis Associated With Antipsychotic Medication, Journal of Clinical Psychopharmacology (IF:2.891), August 2017, Volume 37, Issue 4


20. Matić, K., Šimunović Filipić, I., Bajić, Ž., Filipčić, I. GERD is associated with the outcome of MDD treatment. April 2017 DOI: 10.1016/j.eurpsy.2017.01.559

21. Lučev, N., Vuk, A., Šimunović Filipić, I., Filipčić I. Comparison of ten-years risk of fatal cardiovascular events calculated by heartscore in diabetic patients with and without post-traumatic stress disorder (PTSD) comorbidity, April 2017

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. 2002 - 2008 Associate in designing, writing and implementing the Project "The Program for the reduction of stigma and discrimination of psychiatric patients"

2. 2015 - ... Project associate at the University of Zagreb Medical School "Biomarkers in Schizophrenia - integration of complementary approaches in monitoring persons with the first psychotic episode ", project manager doc. dr. sc. Martina Rojnić Kuzman

3. 2015 - 2018. - Project associate at the University of Zagreb Medical School " Multimodal approach in treatment and long-term tracking process of depressive disorder by magnetic resonance method ",,project manager prof. dr. sc. Neven Henigsberg

4. 2016 year Project Manager of the Center for Integrative TMS Management Integration (CEKOM) Psychiatric Hospital "Sveti Ivan".

5. 2016 year associate in the interdisciplinary project "Influence biometeorological and climatic events on health"

6. 2017 year Project Manager of the Center for Integrative Psychiatry (CIP) Psychiatric Hospital "Sveti Ivan"

7. 2017 year project manager "Reducing depression and PTSD symptoms by treatment and innovative method - transcranial magnetic stimulation with HF-R TMS SH1 8 helmet"

8. 2018 year Associate in the project "Wave II of the International Prevalence and Treatment of Diabetes and Depression (INTERPRET-DD),
9. 2017 year associate in the implementation of the DENAMIC research project (Developmental neurotoxicity assessment of mixtures in children)
10. 2017 year associate in the implementation of the scientific-research project "Therapeutic potential of neurosteroids and neunotrophins in dementia (TePoNEDe)"

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. 2002 - 2008 Associate in designing, writing and Implementing the Project "The Program for the reduction of stigma and discrimination of psychiatric patients"
2. 2015 - ... Project associate at the University of Zagreb Medical School "Biomarkers in Schizophrenia - integration of complementary approaches in monitoring persons with the first psychotic episode ", project manager doc. dr. sc. Martina Rojnić Kuzman
3. 2015 - 2018. - Project associate at the University of Zagreb Medical School " Multimodal approach in treatment and long-term tracking process of depressive disorder by magnetic resonance method ", project manager prof. dr. sc. Neven Henigsberg
4. 2016 year Project Manager of the Center for Integrative TMS Management Integration (CEKOM) Psychiatric Hospital "Sveti Ivan".
5. 2016 year associate in the interdisciplinary project "Influence biometeorological and climatic events on health"
6. 2017 year Project Manager of the Center for Integrative Psychiatry (CIP) Psychiatric Hospital "Sveti Ivan"
7. 2017 year project manager "Reducing depression and PTSD symptoms by treatment and innovative method - transcranial magnetic stimulation with HF-R TMS SH1 8 helmet"
8. 2017 year Associate in the project "Wave II of the International Prevalence and Treatment of Diabetes and Depression (INTERPRET-DD),
9. 2017 year associate in the implementation of the DENAMIC research project (Developmental neurotoxicity assessment of mixtures in children)
10. 2017 year associate in the implementation of the scientific-research project "Therapeutic potential of neurosteroids and neunotrophins in dementia (TePoNEDe)"

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Tajana Filipec Kanižaj

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University hospital Merkur, School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liver Transplantation; Viral hepatitis;

BIOGRAPHY

Education:

High School MIOC, Zagreb.
1991-1997. study at the School of Medicine, University in Zagreb.

2001-5. specialist of internal medicine.

2008-10. subspecialist of gastroenterology.

2008 training in the field of hepatology at the Medizinische Hochschule, Hanover.

Scientific:

1999-2011. Research assistant

2011-2017. Assistant Professor

May 2017 - Associate Professor

Work experience:

In 1999 started working as a research assistant and resident in internal medicine at the Medical Faculty in Zagreb. Since 2017 associate professor at the School of Medicine, University of Zagreb. Now working as a specialist in internal medicine, subspecialist of gastroenterology, at the University Hospital Merkur, Department of Gastroenterology. From 1. July 2013 head of the Department of Gastroenterology, University hospital Merkur.

Research, teaching and mentoring activities:

Scientific and teaching career started in 1999. From 1.4.1999. research assistant on the project of the Ministry of Science and Technology and the School of Medicine, University of Zagreb; Project Leader: Prof. dr. Sc. Miroslav Katičić (project number 108-000000-3114: " Helicobacter pylori infection - the evolution of the disease and new therapeutic procedures ", formerly 0108126: " The evolution of the changes associated with Helicobacter pylori infection," 0108104 " Epidemiology, diagnosis and treatment Helicobacter pylori associated disease "). 29.11.2004. MSc thesis at the Faculty of Science, University of Zagreb (Field: Biology, Physiology and Immunology) entitled: " 'Western blot' and PCR reliability in the detection of cagA and vacA Helicobacter pylori virulence genes " (Mentor Prof. dr. Vladimir Presečki) 16.10.2009. PhD thesis at the Faculty of Medicine, University of Zagreb, entitled: "Role of Helicobacter pylori eradication therapy success and virulence antigens on dynamics of gastric mucosa premalignant changes." (Mentor: prof. dr. sc. Miroslava Katičić) Current scientific research is directed to research in liver transplantation and chronic liver diseases. Currently is actively participating as scientific associate on a projects:

1. "Infectomics study of human liver non-parenchymal cells in chronic hepatitis C (ILHNCHC)", financed by the Croatian Science Foundation, School of Medicine, University of Zagreb (guidance of Prof. Adriana Vince,)

2. "Genetic background of alcoholic liver disease", project financed of School of medicine, University of Zagreb (guidance prof. Vesna Medved)

3. "Genetic background of non-alcoholic fatty liver disease after liver transplantation", project financed by Medical School, University of Rijeka: (guidance assist.prof. Ivana Mikolašević).

The organiser or lecturer at:

1. 5 undergraduate courses (Internal Medicine, Internal medicine - English programme, Internal Propedeutics, Emergencies in medicine, Elective course - Liver transplantation)
2. 3 postgraduate courses on Medical School, University of Zagreb: Helicobacter pylori infection, Liver transplantation, Viral hepatitis

3. postgraduate studies for residents of gastroenterology, infectology, family medicine and pathology,

4. different courses of continuing medical education organized by Croatian gastroenterology association and School of Medicine, University of Zagreb.

The most important technical and scientific achievements: Author and co-author of many papers and book chapters in the field of research of Helicobacter pylori infection, hepatology and liver transplantation. Mentor of 5 students of PhD programme at School of Medicine, University of Zagreb, preparing PhD thesis. Mentor of 13 students in graduation thesis at the School of Medicine, University of Zagreb. Mentor of 10 residents undergoing specialist training in internal medicine and gastroenterology. Organiser of 6 international congresses and many domestic in field of hepatology and liver transplantation.


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. project financed by Ministry of science and School of Medicine, University of Zagreb number 108-0000000-3114: “Helicobacter pylori infection - the evolution of the disease and new therapeutic procedures”

2. project financed by Ministry of science and School of Medicine, University of Zagreb number 0108126: “The evolution of the changes associated with Helicobacter pylori infection

3. project financed by Ministry of science and School of Medicine, University of Zagreb number " 0108104 " Epidemiology, diagnosis and treatment Helicobacter pylori associated disease"
4. project financed of School of Medicine, University of Zagreb: Genetic background of alcoholic liver disease
5. project financed of School of medicine, University of Rijeka: Genetic background of non-alcoholic fatty liver disease after liver transplantation
6. project financed by the Croatian Science Foundation: Infectomics study of human liver non-parenchymal cells in chronic hepatitis C (ILHNCHC)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
1. project financed of School of Medicine, University of Zagreb: Genetic background of alcoholic liver disease
2. project financed of School of medicine, University of Rijeka: Genetic background of non-alcoholic fatty liver disease after liver transplantation
3. project financed by the Croatian Science Foundation: Infectomics study of human liver non-parenchymal cells in chronic hepatitis C (ILHNCHC)
4. project financed by Ministry of science and School of Medicine, University of Zagreb number "0108104" Epidemiology, diagnosis and treatment Helicobacter pylori associated disease"

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
5 in progress, 1 at finished and scheduled for dissertation defence
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Kristina Fišter (MD, MSc, DSc), Assistant Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine, Andrija Štampar School of Public Health

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Medical Informatics Methods

BIOGRAPHY

Kristina Fišter is Assistant Professor and Head of the Division for Medical Informatics at the University of Zagreb School of Medicine, Andrija Štampar School of Public Health, Department of Medical Statistics, Epidemiology and Medical Informatics in Zagreb, Croatia. She is a medical doctor and holds a master of science degree in information sciences as well as a doctorate of science in epidemiology. She leads biomedical informatics courses across graduate and postgraduate studies at the University of Zagreb School of Medicine, including medical, nursing, and PhD studies, as well as professional postgraduate studies for medical doctors specialising in family medicine, occupational medicine, school and adolescent medicine, and epidemiology. She is Associate editor for original research at the Canadian Medical Association Journal, and has previously served as editor at the British Medical Journal (2004-2018) and the Croatian Medical Journal (2002-2004). Assistant Professor Fišter is recipient of the Zagreb University Chancellor Award and Best Poster Award at the European Federation for Medical Informatics MIE2000 meeting in Hannover, Germany. She has co-authored four books, including two textbooks, as well as over 50 articles with more than 180 independent citations in the Web of Science. Assistant Professor Fišter is a member of the Executive Committee at the Croatian Society for Medical Informatics, and a member of the Committee for eHealth at the Croatian Academy for Medical Sciences.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:
1st December 2014 Assistant Professor at the University of Zagreb School of Medicine

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

Educational landscape of biomedical informatics in Croatia: opinions and attitudes of higher education teachers and congruence of syllabi and curricula with educational needs and international guidelines. Funded by: University of Zagreb. Principal investigator.

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Dr sc Aleksandra Fučić Sci adviser

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Institute for Medical Research and occupational Health

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Genotoxicological research of exposure to physical and chemical mutagens in the working and living environment; Methods of molecular biology in medicine

BIOGRAPHY

She has 30 years of research experience in genotoxicology and she is EU expert in biomonitoring. Her main scientific interests are carcinogenesis mechanisms in subjects with genome damage after exposure to chemical and physical agents. She has published over 100 original papers and several books. She is fellow of academia Collegium Ramazzini.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2005

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Druzhinin VG, Matskova LV, Fucic A. Induction and modulation of genotoxicity by the bacteriome in mammals. Mutat Res. 2018;776:70-77.


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


Druzhinin VG, Matskova LV, Fucic A. Induction and modulation of genotoxicity by the bacteriome in mammals. Mutat Res. 2018;776:70-77.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Human Micronucleus Collaborative Study, HUMN (koordinator M. Fenech, CSIRO, Australia 1995-
Cytogenetic Biomarkers and Human Cancer Risk” (koordinator H. Norppa, Finland European Commission, FP5) 2001-2004
Expert team to support biomonitoring in Europe (koordinator R. Joas, Germany, European Commission, FP6) 2006-2009
European Coordination action on human biomonitoring (koordinator R. Joas, Germany, European Commission, FP 7 ) 2009-2013
Demonstration of a study to coordinate and perform human biomonitoring on a European scale,( LIFE09 ENV) (koordinator R. Joas, Germany, European Commission) 2010-2013
Human biomonitoring for Europe, Horizon 2020, 2017-2021 (coordinator, M. Kolossa, UB, Germany), partner

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Human biomonitoring for Europe, Horizon 2020, 2017-2021 (coordinator, M. Kolossa, UB, Germany)
Scientific Center of Excellence for Reproductive and Regenerative Medicine, School of Medicine, University of Zagreb
The role of androgen and estrogen receptors in active stroma of oral cancer and their influence on patients’ survival (coordinator V. Boras Vučićević, School of Dentistry, University of Zagreb), 2015-2019
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ksenija Fumić, prof

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of molecular biology in medicine; Biochemical methods in biomedical research

BIOGRAPHY

Ksenija Fumić was born in Zagreb on January 14, 1961. She graduated in medical biochemistry from the School of Pharmacy and Biochemistry, University of Zagreb. She earned PhD degree in natural sciences at Karl-Franzens University, Graz, Austria. Currently she is Head of Division of Laboratory Diagnostics of Inborn Errors of Metabolism and Newborn Screening, Department of Laboratory Diagnostics, University Hospital Center Zagreb. She is a medical biochemistry specialist, senior research scientist, professor of Zagreb University School of Pharmacy and Biochemistry. She participates in under- and postgraduate teaching; her major scientific interest is diagnostics of inherited metabolic disorders. She is author of 40 CC-indexed papers, 4 chapters in university textbooks, she held 35 invited lectures at scientific meetings. Citation count: WoS: 434, Scopus: 502. In 2007, she received annual award for scientific achievement from Croatian Society of Medical Biochemistry and Laboratory Medicine.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2010

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


3. Ninković, Dorotea; Sarnavka, Vladimir; Bašnec, Anica; Ćuk, Mario; Ramadža, Danijela Petković; Fumić, Ksenija; Kušec, Vesna; Santer, René; Barić, Ivo. Hyperinsulinism-hyperammonemia syndrome : a de novo mutation of the GLUD1 gene in twins and a review of the literature // Journal of pediatric endocrinology & metabolism, 29 (2016), 9; 1083-1088.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2013.-2016. European project- The Inherited NeuroMeabolic Diseases Information Network (InNerMeD) (voditelja projekta prof.dr. Maurizio Scarpa)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ivana Furač, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of molecular biology in medicine

BIOGRAPHY

Born 19/5/1968 in Karlovac, Croatia. I hold Bachelor of Science in Chemistry and I earned PhD in Biochemistry at the Faculty of Science University of Zagreb. Since 1995, I work in the DNA Laboratory at the Department of Forensic Medicine and Criminology School of Medicine University of Zagreb. Before that I was in the Neurochemical Lab of the Department of Medical Chemistry, Biochemistry and Clinical Chemistry. I was trained at Neurogenetic Laboratory University of Antwerp (Belgium), Armed Forces DNA Identification Lab (USA), forensic DNA Laboratory University of Innsbruck and attended many specialized courses like FEBS Advanced Course: DNA Sequencing and Microinjection and FEBS Course "Techniques in Molecular Biology", The Analysis of Food Samples for the Presence of Genetically Modified Organisms by European Commission Joint Research Centre and WHO, EMBL Courses Gene Quantification by Real-Time qRT-PCR, SNP Genotyping and Haploblock Analysis EMBO Practical Course and Next Generation Sequencing. Besides my work in forensic DNA Laboratory I am involved in teaching medical students (graduate and postgraduate) at School of Medicine and chemistry students at Faculty of Science. Therefore, I attended workshop Innovations in Molecular Bioscience Education, Reading and writing for critical thinking and Computer based learning. I was on academic mobility programe in 2018 at Penn State University and Erasmus+ at University of Santiago de Compostela. Also, I am trainer of statistical methods in forensic genetics certified by EUROFORGEN. Fluent in English and Spanish, good in German, Greek and Latin. Published 20 articles in Current Contents. Main fields of interest: DNA analysis and its different application, molecular diagnostics and innovations in teaching methods.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

BIOMED 1 CT 92-1217 (EK)
Glycosphingolipids in brain development, ageing and neurodegeneration. (2002-2005, MSES)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Thioesterolytic and nuclease activity of some pyridinium oximes, 2015.
Thioesterolytic and nuclease reactivity of penacyano(pyridinium-aldoxime)ferrate(II) complexes, 2016.
Novel cyanometalic and supramolecular systems of esterolytically active pyridinium oximes, 2017.
Supramolecular complexes between derivatives of biologically active pyridinium-4-oximes and cyanometalates, 2018
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Asst. Prof. Alenka Gagro, MD, PhD, Research Adviser

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Children’s Hospital Zagreb, Department of Pediatrics, Department of Pulmonology, Allergology, Immunology and Rheumatology, School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Immunocytokines; Mechanisms of allergic reactions; Pathogenesis of infective diseases

BIOGRAPHY

Born in Ljubuški, Bosnia and Herzegovina, May 11, 1965.

Education: MD, Medical School University of Zagreb, 1989; Laboratory for Cell Biology and Histology, Sveučilište u Amsterdamu, Nizozemska, 1994.; PhD, Medical School University of Zagreb 1994; Department of Immunology, Medical School, University of Birmingham, UK, 1998-1999.; Pediatrician, 2008;

Professional Experience: University Hospital for Contagious Diseases “Dr. Fran Mihaljević”, Zagreb, 1989-1991.; Institute of Immunology 1991-1998; 1999-2008 Department of Immunology, Medical School, University of Birmingham, UK (postdoctoral fellowship) 1998-1999; Children’s Hospital Zagreb, 2009-;

Research Associate 1998; Senior Research Associate 2002; Research Adviser 2006 (re-election 2013); Department of Physiology and Immunology, Medical School, University of Osijek 2009- (Honorary Assistant Professor 2009). Principal investigator on 4 international projects (2 supported by The Wellcome Trust, UK, one Faculty Research Grant, University of Birmingham, one from MSD, USA) and 5 national projects supported by MOSES. Teaching and mentoring: Since 1998 participates in teaching at medical schools in Zagreb and Osijek, Faculty of Science and Faculty of Food Technology and Biotechnology, University of Zagreb. Mentor of 2 MSc and 6 PhD theses, 3 PhD theses in preparation.Main scientific interests: immunodeficiencies, allergic, autoimmune and autoinflammatory diseases in children. Principal investigator in 4 international and 5 national (MOSES) scientific projects. Member of Executive Board of the National Foundation for Science, Higher Education, and Technological Development of the Republic of Croatia, 2005-2010; Vice president of the Core Board of Croatian Ministry of Science, Education and Sports in the field of basic medical sciences, clinical medical sciences, public health, dental health and pharmacy, 2005-2009; Croatian Immunological Society (Secretary 1994-1998; Vice President 2002-2006; Member of Council 2006-; Vice-president October 2018-); Secretary of Croatian Pediatric Society, 2009- . Awards: National Science Award for 2008, 2009; “Ante Šercer” Award from Croatian Academy of Medical Sciences, 1996; Award from Croatian Academy of Sciences and Arts in the field of medical sciences, 1996; Publications: 65 (46 in CC/SCIE, 19 in other indexed databases), number of citations 1132 (Google Scholar).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: November 13, 2013 (permanent), Field: Basic medical sciences, branch: immunology

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

"Modulation of human regulatory T cell function", No. 072-1080229-0337 (Ministry of Science, Education and Sports, MOSES), 2006-2014., project leader

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

"Modulation of human regulatory T cell function", No. 072-1080229-0337 (Ministry of Science, Education and Sports, MOSES), 2006-2014., project leader

(NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

6
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Srecko Gajovic, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research methods in vivo and in vitro; Structure, methodology and functioning of scientific work 3: Research Projects; Morphological research methods in biomedical sciences; Gene targeting in mammals; How to become a neuron?; Laboratory animals in biomedical research

BIOGRAPHY

Professor Srečko Gajović is Head of Department of Histology and Embryology at Zagreb University School of Medicine, and Section for Neurogenetics, Medical Genetics, and Regenerative Neuroscience at Croatian Institute for Brain Research. He was Coordinator of EU-FP7 project “GlowBrain: Combining Stem Cells and Biomaterials for Brain Repair - Unlocking the Potential of the Existing Brain Research through Innovative In Vivo Molecular Imaging”, and established preclinical in vivo imaging platform (GlowLab) for magnetic resonance (7T) and optical imaging (bioluminescence and fluorescence). His major scientific interest is brain repair (in particular after stroke) and its relation to neuroinflammation and stem cell applications. He is one of the founder of Navigating Knowledge Landscapes international interdisciplinary network (http://knowledge-landscapes.hiim.hr), which deals how innovative knowledge is communicated in the digital society. He is former editor of the Croatian Medical Journal, the best general medical journal in Central-East Europe. He is a former president of the European COST Domain Committee for Biomedicine and Molecular Biosciences, former president of Croatian Microscopy Society, and now the president of the Croatian Association for Regenerative Medicine and Stem Cell Therapies. He is Advisory Board member of Doctors Against Forced Organ Harvesting (DAFOH), organization nominated in 2016 for the Nobel Peace Prize.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2017-2021 IP-06-2016-1892 Multimodal molecular imaging of the mouse brain repair after ischemic lesion (RepairStroke) (awarded by Croatian Science Foundation)

2016-2017 Mouse with bioluminescent neurons (awarded by HAMAG BICRO, Croatia)


2012-2016 EU-FP7-REGPOT–2012–CT2012–316120 GlowBrain: Combining Stem Cells and Biomaterials for Brain Repair - Unlocking the Potential of the Existing Brain Research through Innovative In Vivo Molecular Imaging (Project Coordinator; awarded by European Commission)

2012-2013 Regulation of FGFR1 trafficking in brain tumors and neural stem cells (bilateral project with Austria, awarded by Ministry of Science and Technology, Republic of Croatia)

2012-2013 Corticogenesis controlling genes in the brain repair and regeneration after ischemic lesion in the mouse (bilateral project with Germany, awarded by Ministry of Science and Technology, Republic of Croatia)

2009-2011 UKF 35/08 Regeneration and plasticity after ischemic brain damage studied on innovative transgenic mouse models (awarded by Unity through Knowledge Fund for cooperation with Laval University, Quebec, Canada)

2008-2010 The role of endosomes in excitotoxic neural damage - the implications in pathogenesis of amyotrophic lateral sclerosis (bilateral project with Serbia, awarded by Ministry of Science and Technology, Republic of Croatia)

2007-2009 Endosomes and the mouse nervous system: function of signal transducing adaptor molecule 2 (STAM2) (awarded by International Centre for Genetic Engineering and Biotechnology)

2006-2009 EU FP6 SSA Neuroimage (Third Party Participant)
2007-2014  Gene function in differentiation and plasticity of mouse central nervous system (awarded by Ministry of Science and Technology, Republic of Croatia)

2003-2006  Functional analysis of nucleolar protein 1 (Nol1) in mouse (awarded by Ministry of Science and Technology, Republic of Croatia)

2001-2004  Expression and function of nucleolar protein 1 (Nol1) in mouse (awarded by International Centre for Genetic Engineering and Biotechnology)

1996-2000  Expression of Nol1 gene in mouse (awarded as young investigator grant by Ministry of Science and Technology, Republic of Croatia)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


2017-2021  IP-06-2016-1892 Multimodal molecular imaging of the mouse brain repair after ischemic lesion (RepairStroke) (awarded by Croatian Science Foundation)

2016-2017  Mouse with bioluminescent neurons (awarded by HAMAG BICRO, Croatia)


2012-2016  EU-FP7-REGPOT-2012-CT2012-316120 GlowBrain: Combining Stem Cells and Biomaterials for Brain Repair - Unlocking the Potential of the Existing Brain Research through Innovative In Vivo Molecular Imaging (Project Coordinator; awarded by European Commission)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

9
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assoc. Prof. Koraljka Gall Trošelj, MD, Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Rudjer Boskovic Institute, Zagreb, Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular oncology – insight into new technologies; Genomic approaches in biomedical and translational research

BIOGRAPHY

Koraljka Gall Trošelj (Gall - maiden name)
Kuslanova 5A
HR-10000 Zagreb, Croatia

Education
March 2000. Ph.D. degree in Biomedicine – Molecular Oncology, University of Zagreb, School of Medicine, Zagreb, Croatia
January 1995. M.Sc. degree in Biomedicine, University of Zagreb, Faculty of Natural Sciences, Zagreb, Croatia
June 1989. - MD degree, School of Medicine, University of Zagreb, Croatia

B) Employment/Positions held:

Current: Head, Laboratory for Epigenomics, Division of Molecular Medicine, Rudjer Boskovic Institute, Zagreb Croatia
2017: Senior Scientist: first election; Rudjer Boskovic Institute, Zagreb Croatia
2016: Associate Professor (re-elected): Josip Juraj Strossmayer University of Osijek, Dept. for Biology
2012 (January – June) – Head, Division of Molecular Medicine, Rudjer Boskovic Institute, Zagreb Croatia
2010 – 2015 Associate Professor – Department of Biotechnology, University of Rijeka, Rijeka, Croatia
2008 (September) – present. Head, Laboratory of Epigenomics, Division of Molecular Medicine, Rudjer Boskovic Institute, Zagreb Croatia
2007-2008. (July) Visiting Fellow, Weill Medical College, Cornell University, New York, USA
2006-2007. Fulbright Scholar, Weill Medical College, Cornell University, New York, USA
2006-2017 Senior Research Associate - Rudjer Boskovic Institute, Zagreb, Croatia
2001 – 2006 Head, Laboratory of Molecular Pathology, Division of Molecular Medicine, Rudjer Boskovic Institute, Zagreb Croatia
2001-2006 Research Associate – Rudjer Boskovic Institute, Zagreb, Croatia
1995 - Cancer Research Scientist, Division of Molecular Medicine, Ruder Bošković Institute, Zagreb Croatia
1991-1995. Fellow, Croatian Academy of Sciences and Arts, Zagreb, Croatia
1991 (January-August) MD - General Practice, Orahovica, Croatia
1989-1990 MD – General Practice, Medical Centre, Našice, Croatia

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

Research: 11.7.2017, Senior Scientist;
Teaching: 15.09.2016, Associated Professor (re-election), Josip Juraj Strossmayer University of Osijek

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Ministry of Science, Education and Sports RH (098-0982464-2511) Gall Trošelj, K (Project Leader)  

2. Ministry of Science, Education and Sports of Croatia (108-0000000-0028) Žarkovic, N (Project Manager)  

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Croatian Science Foundation Gall Trošelj, K (Principal Investigator). NRF2 at the intersection of epigenetic remodeling, metabolism and proliferation of cancer cells. Project manager
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Dragan Gamberger, dr. sc.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: -

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Knowledge discovery in medical domains

BIOGRAPHY

Dragan Gamberger obtained PhD from University of Zagreb, Faculty of electrical engineering and computing, in the year 1986. He has been working at Rudjer Boskovic Institute since year 1975 till 2016. His last position has been senior scientist. He has been head of Laboratory for Information Systems for 17 years.

His scientific interests include machine learning, intelligent data analysis, knowledge discovery, knowledge representation by ontologies, reasoning for decision support, and applications of these techniques in medicine, biology, chemistry, social sciences, economics, and manufacturing.

According to WOS, Dragan Gamberger has 58 publications that have been cited in total 423 times. His h-index is 11. He is co-author of the authored book “Foundations of Rule Learning” (Springer, 2012) that presents most of his long-term research results in the field of machine learning. He is author of the handbook for students and scientists “Data Mining for Knowledge Discovery” (in Croatian). He is main author of the public service “Data Mining Server” that is already for more than 10 years available at http://dms.irb.hr/. The service integrates the rule learning algorithms developed at Rudjer Boskovic Institute with a very simple user interface appropriate for teaching and data analysis tasks. Recently he developed the web services for exploratory clustering and predictive induction (http://rr.irb.hr/). In year 2018 he served as evaluator for EU Marie Curie projects.


scientific advisor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

EU project "HEARTFAID: A knowledge based platform of services for supporting medical-clinical management of heart failure withing elderly population", workpackage leader


Croatian national project "Machine Learning Algorithms and their Applications", project leader

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

HRZZ project: "Machine learning algorithms for insightful analysis of complex data structures", project leader

http://lis.irb.hr/MLCS/index.html

EU project "MAESTRA: learning from massive, incompletely annotated, and structured data", researcher

http://maestra-project.eu/
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Marija Gamulin, MD, PhD, research advisor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb, Department of Oncology, Kispaticeva 12, 10 000 Zagreb, Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical methods in biomedical research

BIOGRAPHY

Date of birth, November 8, 1963.

Education in Croatia: Medical School, University of Zagreb (1983-1990); PhD Thesis, “The estimate of mutagenic effects of radiotherapy on lymphocytes from peripheral blood in patients treated for solid tumors” (2006); Specialization in radiotherapy and oncology (Clinical Oncology), Zagreb, Croatia (1996-2000). Most important education abroad: Training on prostate and testicular cancer Maastro Clinic, Maastricht, Netherlands (October 2010, May 2011); Training on testicular, prostate, kidney and bladder tumors Indiana University, School of Medicine, Hematology Oncology Division, Indiana, USA (November/December 2011). Present position: Urogenital Unit at the Division of Medical Oncology, Clinical Hospital Centre Zagreb, Zagreb – (since May/2003), Functions: Head of Urogenital Unit at the Division of Medical Oncology, Clinical Hospital Centre Zagreb – (since 4/2015); Head of Referral Centre for the Treatment of Germ Cell Tumors and Extragonadal Germ Cell Tumors in the Republic of Croatia (since October/2013), Deputy of Referral Centre for Uro-Oncology in the Republic of Croatia (since July/2016), Head of Croatian Society for Uro-Oncology Croatian Medical Association (since July/2017), Head of the Multidisciplinary Uro-Oncological Team at the UHC Zagreb (since June/2015).

Area of interest in daily work: treatment of the kidney, adrenal gland, bladder, prostate, testicular and penile cancer. Over the last 5 years I have especially been interested in immunotherapy in genitourinary cancers.

Main Scientific projects: co-investigator in the consortium “Genome-Wide Association Study of Common Cancers ”Prostate cancer- PRostate cancer Association group To Investigate Cancer Associated alterations in the genome (PRACTICAL), The Institute of Cancer Research, London, UK (since February 2014-ongoing); co-investigator in the project with Institute of Human Genetics, University Medical Center Hamburg-Eppendorf, Germany, (Germ cell tumors), (since 2010-ongoing); National Presenter - PI of the 1553-SPECTA EORTC Study (European Organisation for Research and Treatment of Cancer), (uro-oncology), (since January 2019-ongoing).

Collaboration in Scientific Center for the reproductive and regenerative Medicine with a Project “Reproductive and regenerative medicine” – scientific investigation of the new platforms and potential with financial by European Union Fondation with agreement KK.01.1.1.01.0008, Principal investigator is Prof Davora Ježek, MD, Ph.D., “Characterisation epigenetic changes Leydigs cells in the disorders in male fertility” and the element “Epi-genetic of the embryonal testicular germ cells tumors”; Assist. prof. Nino Sinčić, MD, PHD, investigation “Identification epi-genec biomarkers with translation potential from the testicular non-seminoma germ cell tumors in patients blood and ejaculate” Croatian Scientific Assotiation IP-06-2016 “Epi-genec biomarkers with translation potential from the testicular non-seminoma germ cell tumors in patients blood and ejaculate” – “epi_Sem” principal investigator Prof Davora Ježek, MD, Ph.D.
Over last 20 years my area of research have been the mechanisms of carcinogenesis and genome damage through chemotherapy and radiotherapy and genetics in urooncology. Last 5 years I my special interest is immunour-oncology.

I am a lecturer to undergraduates and postgraduates studies, a mentor for post study students for PhD at the Medical School, University of Zagreb and PI of the clinical urooncological studies at the UHC Zagreb.

Publications: book chapters: 16 published in oncological books; more than 50 abstracts; 53 articles (30 CC).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 14/07/2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**


2. co-investigator «Biomarkers genome cells damage in cytogenetic investigations» (No. 0022020) 2002.- 2006.


4.investigator «Moleculat genetic and pharmacogenetic in the gastointestinal tumors» which is included in the programme «Integrative genomic and proteomic during the cancer investigation» (No. 098-0982464-2508) 2006.-2010.


7. co-investigator in the consortium “Genome-Wide Association Study of Common Cancers ”Prostate cancer- PRostate cancer AssoCiation group To Investigate Cancer Associated aLterations in the genome (PRACTICAL), The Institute of Cancer Research, London, UK (since February 2014-ongoing);

8. co-investigator in the project with Institute of Human Genetics, University Medical Center Hamburg-Eppendorf, Germany, (Germ cell tumors), (since 2010-ongoing);


10. Collaborator in Scientific Center for the reproductive and regenerative Medicine with a Project “Reproductive and regenerative medicine” – scientific investigation of the new platforms and potential with financial by European Union Fondation with agreement KK.01.1.1.01.0008. , Principal investigator is Prof Davora Ježek, MD, Ph.D., “Characterisation epigenetic changes Leydigs cells in the disorders in male fertility” and the element “Epi-genetic of the embrional testicular germ cells tumors”;
11. Colaborator with Assist. prof. Nino Sinčić, MD, PHD, investigation “Identification epi-genec biomarkers with translation potential from the testicular non-seminoma germ cell tumors in patients blood and ejaculate” Croatian Scientific Association IP-06-2016 “Epi-genec biomarkers with translation potential from the testicular non-seminoma germ cell tumors in patients blood and ejaculate” – “epi_Sem” principal investigator Prof Davora Ježek, MD, Ph.D.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. co-investigator in the consortium “Genome-Wide Association Study of Common Cancers “Prostate cancer- PROstate cancer AssoCiation group To Investigate Cancer Associated alterations in the genome (PRACTICAL), The Institute of Cancer Research, London, UK (since February 2014-ongoing);
2. co-investigator in the project with Institute of Human Genetics, University Medical Center Hamburg-Eppendorf, Germany, (Germ cell tumors), (since 2010-ongoing);
4. Colaborator in Scientific Center for the reproductive and regenerative Medicine with a Project “Reproductive and regenerative medicine” – scientific investigation of the new platforms and potential with finantial by European Union Fondation with agreement KK.01.1.01.0008., Principal investigator is Prof Davora Ježek, MD, Ph.D., “Characterisation epigenetic changes Leydigs cells in the disorders in male fertility” and the element “Epi-geneticc of the embrional testicular germ cells tumors”;
5. Colaborator with Assist. prof. Nino Sinčić, MD, PHD, investigation “Identification epi-genec biomarkers with translation potential from the testicular non-seminoma germ cell tumors in patients blood and ejaculate” Croatian Scientific Association IP-06-2016 “Epi-genec biomarkers with translation potential from the testicular non-seminoma germ cell tumors in patients blood and ejaculate” – “epi_Sem” principal investigator Prof Davora Ježek, MD, Ph.D.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assoc. Prof. Ozren Gamulin, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: “Biomaterial Infections”.

BIOGRAPHY


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2019, associate professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Gamulin O., Serec K., Bilić V., Balarin M., Kosović M., Drmić D., Brčić L., Seiwerth S., Sikirić P.; Monitoring the healing process of rat bones using Raman spectroscopy; JOURNAL OF MOLECULAR STRUCTURE; 2013; Volume:1044; Issue:Page:308-313; Q3; IF 1.599; ISSN: 00222860; DOI: 10.1016/j.molstruc.2013.01.049;
3. Tijanić Z., Ristić D., Ivanda M., Bogdanović-Radović I., Marcuš M., Ristić M., Gamulin O., Musić S., Furić K., Chiasera A., Ferrari M., Righini GC.; Low Temperature Deposition of SiNx Thin Films by the LPCVD Method; CROATICA CHEMICA ACTA; 2012; Volume:85; Issue:1; Page:97-100; ISSN: 00111643;
5. Balarin M., Gamulin O., Ivanda M., Kosović M., Ristić D., Ristić M., Musić S., Furić K., Krilov D.; Optical properties of porous silicon on an insulator layer; JOURNAL OF MOLECULAR STRUCTURE; 2011; Volume:993; Issue:1-3; Page:208-213; Q3; IF 1.634;
7. Gamulin O., Ivanda M., Mitsa V., Balarin M., Kosović M.; Monitoring structural phase transition of (Ge2S3)x(As2S3)1-x chalcogenide glass with Raman spectroscopy; JOURNAL OF MOLECULAR STRUCTURE; 2011; Volume:993; Issue:1-5; Page:264-268; Q3; IF 1.634; ISSN: 00222860; DOI: 10.1016/j.molstruc.2011.01.059; Citati 3/WOS 4/Scopus
8. Krilov D., Kosović M., Balarin M., Gamulin O., Brnjas-Kraljević J.; Interaction of High Density Lipoprotein with Nicotine - an IR and Raman Study; CROATICA CHEMICA ACTA; 2010; Volume:83; Issue:4; Page:387-393; Q3; IF 0.713; ISSN: 0011-1643; Citati 2/WOS 2/Scopus
9. Buljan M., Bogdanović-Radović I., Karlušić M., Desnica UV., Radić N., Skukan N., Dražić G., Ivanda M., Gamulin O., Matej Z., Vales V., Grenzer J., Cornelius TW., Metzger HT., Holy V.; Generation of an ordered Ge quantum dot array in an amorphous silica matrix by ion beam irradiation: Modeling and structural characterization; PHYSICAL REVIEW B; 2010; Volume:81; Issue:8; Page:--; Q1; IF 3.774; ISSN:10980121; DOI: 10.1103/PhysRevB.81.085321; Citati 16/WOS 16/Scopus

10. Krilov D., Balarin M., Kosović M., Gamulin O., Brnjas-Kraljević J.; FT-IR spectroscopy of lipoproteins-A comparative study; SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY; 2009; Volume:73; Issue:4; Page:701-706; Q2; IF 1.566; ISSN: 13861425; Citati 24/WOS 27/

11. Balarin M., Gamulin O., Ivanda M., Kosović M., Ristić D., Ristić M., Musić S., Furić K., Krilov D., Brnjas-Kraljević J.; Structural, optical and electrical characterization of porous silicon prepared on thin silicon epitaxial layer; JOURNAL OF MOLECULAR STRUCTURE; 2002; Volume:924; Issue:9; Page:; Q3; IF 1.551; ISSN: 00222860; DOI: 10.1016/j.molstruc.2008.10.045; Citati 2/WOS 5/Scopus

12. Gebavi H., Milanese D., Liao GH., Chen QP., Ferraris M., Ivanda M., Gamulin O., Taccheo S.; Spectroscopic investigation and optical characterization of novel highly thulium doped tellurite glasses; JOURNAL OF NON-CRYSTALLINE SOLIDS; 2009; Volume:355; Issue:9; Page:548-555; Q1; IF 1.252; ISSN: 00222303; DOI: 10.1016/j.jnoncrysol.2009.01.016; Citati 30/WOS 31/Scopus

13. Buljan M., Radović IB., Desnica UV., Ivanda M., Jakišić M., Saguš C., Kalish R., Djerđi I., Tonejc A., Gamulin O.; Implantation conditions for diamond nanocrystal formation in amorphous silica; JOURNAL OF APPLIED PHYSICS; 2008; Volume:104; Issue:3; Page:--; Q1; IF 2.201; ISSN: 00218979; DOI: 10.1063/1.2968204; Citati 7/WOS 2/Scopus


16. Barcot O., Balarin M., Gamulin O., Jezeck D., Romac P., Brnjas-Kraljević J.; Investigation of spermatozoa and seminal plasma by Fourier transform infrared spectroscopy; APPLIED SPECTROSCOPY; 2007; Volume:61; Issue:3; Page:309-313; Q1; IF 1.902; ISSN: 00037028; DOI: 10.1366/0003702807s200780200804; Citati 12/WOS 16/

17. Gamulin O., Ivanda M., Mitsa V., Pasić S., Balarin M.; Spectroscopy studies of structural phase transitions of chalcogenide glass thin films (Ge2S2)10(A5S2)x at coordination number 2.67; SOLID STATE COMMUNICATIONS; 2005; Volume:135; Issue:11-12; Page:753-758; Q2; IF 1.480; ISSN: 00381098; DOI: 10.1016/j.ssc.2005.05.006; Citati 6/WOS 6/Scopus

18. Pasić S., Uroić M., Tocilj Z., Majer M., Gamulin O., Bokulić T., Ilakovac K.; Experimental determination of absolute-scale compton cross sections using the K X-ray escape and a comparison with three versions of the impulse approximation; RADIATION PHYSICS AND CHEMISTRY; 2005; Volume:73; Issue:6; Page:303-310; Q2; IF 0.725; ISSN: 0969806X; DOI: 10.1016/j.radphyschem.2005.04.001; Citati 1/WOS 0/Scopus

19. Desnica UV., Desnica-Franković ID., Gamulin O., White CW., Sonder E., Zuhr RA.; UV-visible reflectivity study of the synthesis and growth of nanocrystals obtained by ion implantation; VACUUM; 2002; Volume:67; Issue:3-4; Page:451-455; Q2; IF 0.723; ISSN: 0042207X; DOI: 10.1016/S0042-207X(02)00230-0; Citati 0/WOS 0/Scopus

20. Desnica UV., Desnica-Franković ID., Gamulin O., White CW., Sonder E., Zuhr RA.; Formation of CdS nanocrystals in SiO2 by ion implantation; JOURNAL OF NON-CRYSTALLINE SOLIDS; 2002; Volume:299; Issue:Page:1100-1104; Q1; IF 1.363; ISSN: 00223093; DOI: 10.1016/S0022-3093(02)00941-9; Citati 9/WOS 9/Scopus

21. Desnica UV., Gamulin O., Tonejc A., Ivanda M., White CW., Sonder E., Zuhr RA.; CdS nanocrystals formed in SiO2 substrates by ion implantation; MATERIALS SCIENCE & ENGINEERING C-
22. Ivanda M., Musić S., Gotić M., Turković A., Toncej AM., Gamulin O.; The effects of crystal size on the Raman spectra of nanophase TiO2; JOURNAL OF MOLECULAR STRUCTURE; 1999; Volume:481; Issue:Page:641-644; Q3; IF 0.868; ISSN: 00222860; DOI: 10.1016/S0022-2860(98)00922-3; Citati 4/WOS 7/Scopus
23. Ivanda M., Gamulin O., Kiefer W.; Mechanism of Raman scattering in amorphous silicon; JOURNAL OF MOLECULAR STRUCTURE; 1999; Volume:481; Issue:Page:651-655; Q3; IF 0.868; ISSN: 00222860; DOI: 10.1016/S0022-2860(96)05979-8; Citati 0/WOS 0/Scopus
24. Gamulin O., Ivanda M., Desnica UV., Furić K.; Structural relaxation of amorphous silicon during thermal and CW laser annealing; JOURNAL OF NON-CRYSTALLINE SOLIDS; 1998; Volume:227; Issue:Page:943-948; Q1; IF 1.062; ISSN: 00223093; Citati 1/WOS 1/Scopus
25. Gamulin O., Ivanda M., Desnica UV., Furić K.; Comparison of structural changes in amorphous silicon induced by thermal and cw laser annealing; JOURNAL OF MOLECULAR STRUCTURE; 1997; Volume:410; Issue:Page:249-252; Q3; IF 0.884; ISSN: 00222860; DOI: 10.1016/S0022-2860(96)09579-8; Citati 0/WOS 0/Scopus
26. Lugomer S., Furić K., Bitelli G., Stipančić M., Stubičar M., Gamulin O.; Modification of the surface properties of Ti by explosion of laser-plasma containing Coulomb particles; VACUUM; 1996; Volume:47; Issue:Page:255-263; Q4; IF 0.484; ISSN: 0042207X; DOI: 10.1016/0042-207X(95)00219-7; Citati 1/WOS 1/Scopus
27. Ivanda M., Gamulin O., Furić K., Gracin D.; Raman-study of light-induced-changes in silicon-hydrogen bond stretching vibration in a-Si-H; JOURNAL OF MOLECULAR STRUCTURE; 1992; Volume:267; Issue:Page:275-280; Q3; IF 0.884; ISSN: 00222860; DOI: 10.1016/0022-2860(92)87044-V; Citati 1/WOS 7/Scopus
28. Ivanda M., Furić K., Gamulin O., Gracin D.; Boson peak in raman-spectra of hydrogenated amorphous-silicon; JOURNAL OF NON-CRYSTALLINE SOLIDS; 1991; Volume:137; Issue:Page:103-106; Q1; IF 1.017; ISSN: 00223093; DOI: 10.1016/S0022-3093(05)00667-5

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

2. Par, M . ; Spanovic, N .; Bjelovucic, R.; Skenderovic, H.; Gamulin, O.; Tarle, Z.; Curing potential of experimental resin composites with systematically varying amount of bioactive glass: Degree of conversion, light transmittance and depth of cure; ; JOURNAL OF DENTISTRY Volume: 75 Pages: 113-120 Published: AUG 2018; DOI: 10.1016/j.jdent.2018.06.004
3. Par M., Marović D., Skenderović H., Gamulin O., Klarić E., Tarle Z.; Light transmittance and polymerization kinetics of amorphous calcium phosphate composites; CLINICAL ORAL INVESTIGATIONS; 2017; Volume:21; Issue:4; Page:1173-1182; Q1; IF 2.207; ISSN: 14326981; DOI: 10.1007/s00784-016-1880-6;
Concentration Detection; APPLIED SPECTROSCOPY; 2015; Volume:69; Issue:12; Page:1417-1424; Q2; if 1.798; ISSN: 00037028; DOI: 10.1366/14-07729; Citati 4/WOS 4/Scopus

8. Par M., Gamulin O., Marović D., Klarić E., Tarle Z.; Raman Spectroscopic Assessment of Degree of Conversion of Bulk-Fill Resin Composites - Changes at 24 Hours Post Cure; OPERATIVE DENTISTRY; 2015; Volume:40; Issue:3; Page:E92-E101; Q1, IF 2.819; ISSN: 03617734; DOI: 10.2341/14-091-L; Citati 8/WOS 15/

9. Par M., Gamulin O., Marović D., Klarić E., Tarle Z.; Effect of temperature on post-cure polymerization of bulk-fill composites; JOURNAL OF DENTISTRY; 2014; Volume:42; Issue:10; Page:1255-1260; Q1, IF 2.749; ISSN: 03005712; DOI: 10.1016/j.jdent.2014.08.004; Citati 13/WOS 16/

10. Kosović M., Gamulin O., Balarin M., Ivanda M., Derek V., Ristić D., Markič M., Ristić M.; Phonon confinement effects in Raman spectra of porous silicon at non-resonant excitation condition; JOURNAL OF RAMAN SPECTROSCOPY; 2014; Volume:45; Issue:6; Page:470-475; Q1; 2.671; Citati 4/WOS 4/

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2002 – 2005 Collaborator, Croatian Ministry of Health project No. 0098022: “Fizika i primjena nanostruktura”; project leader: Krešimir Furić, PhD,
2006 - 2013 Collaborator, Croatian Ministry of Health project No. 108-108134-3105: “Mehanizmi narušavanja strukture lipoproteina djelovanjem vanjskih čimbenika”; project leader prof. Dubravka Krilov, PhD,
2013 Project leader, Croatian Ministry of Health project No. 108-108134-3105: “Mehanizmi narušavanja strukture lipoproteina djelovanjem vanjskih čimbenika”,
2006 - 2011 Collaborator, Croatian Ministry of Health project No. 108-1080399-0383: “Muški i ženski spolni sustav: razvoj, normalna histofiziologija i neplodnost”; project leader: prof. Davor Ježek, MD, PhD,
2014 University of Zagreb Short-term Grant: “Detektiranje jako niskih koncentracija bioloških molekula površinski pojačanom Ramanovom spektroskopijom”

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2014 - Collaborator at Croatian Center of Excellency for Advanced Materials and Sensors, project leader Mile Ivanda, PhD,
2015 - Collaborator, project No: IP-2014-09-2046, Croatian Science Foundation: “Hibridne silicijevne nanostrukture za senzoriku”; project leader Mile Ivanda, PhD,
2015. University of Zagreb Short-term Grant: “Razvoj biosenzora temeljenih na poroznom siliciju i površinski pojačanoj vibracijskoj spektroskopiji”, project leader,
2016., 2017 i 2018 University of Zagreb Short-term Grants: “Biosenzor za vibracijsku analizu tankih filmova DNA temljen na SERS i SEIRA spektroskopiji”, projects leader

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 3
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: prof. dr. sc. Slavko Gašparov, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of pathology, School of Medicine, Department of pathology, Clinical hospital Merkur

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liver transplantation

BIOGRAPHY
I was born on 20th of May 1962. in Virovitica, Croatia. I graduated at Zagreb University School of Medicine in 1989. After internship (1989-1990) in County Hospital Virovitica I passed the State (licensing) exam, and spent three years working at the same Hospital.

In the period 1993-1997 I finished the Residency in Pathology. I have been working as a pathologist at Department of pathology and Cytology, Clinical Hospital Merkur since 1997. In 1998. I finished the Postgraduate Study in Pathology and received a Master degree at Medical School, University of Zagreb in 2000. The title of my Master thesis was “Significance of lymphatic follicles and lymphoepithelial lesion in Helicobacter pylori-associated gastritis”. From 1996-2009 I was a co-worker on three projects at Medical School Zagreb (“Helicobacter pylori – epidemiology and infection in Croatia”, “Helicobacter pylori infection – evolution of disease and new therapeutic approach” and “Prognostic factors, diagnosis and treatment of hemoblastoses”). All three projects were financed by the Croatian Ministry of Science, Education and Sport.

In 2004 I finished my PhD thesis at Zagreb University, School of Medicine (“Trisomy 3, oncprotein Bcl-10 and gastric MALT lymphoma in Helicobacter pylori infections”). In 2005. I spent three months as a visiting fellow in the Division of Transplantation Pathology, University of Pittsburgh Medical Center (Pittsburgh, USA).

Since 2009 I have been the leading scientist of the project „Prognostic value of FOXP1 and FOXP3 in B lymphoproliferative disorders”. Project number is 108-1081873-1891, and the project is financed by Ministry of Science, Education and Sport of Republic of Croatia.

I was a mentor of four PhD thesis and five students’ thesis. Currently, I am a mentor of two PhD thesis in progress.

From 2007 to 2012 I was employed in a position of Assistant professor at Department of pathology, University of Zagreb, School of Medicine. Since 2012 I have been working as a professor at the same University. In 2011 I became the Head of Department of pathology and cytology Clinical Hospital Merkur.

I am a member of European Society of Pathology, Croatia Medical Association, Croatian Medical Chamber, Croatian Society of Pathologists and the president of the Croatian Hematopathological section.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2012. professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

„Prognostic value of FOXP1 and FOXP3 in B lymphoproliferative disorders“. Project number is 108-1081873-1891, and the project is financed by Ministry of Science, Education and Sport of Republic of Croatia

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist Prof. Romana Gjergja Juraški, Assist Prof, MD PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Children’s Hospital Srebrnjak

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected chapters in epileptology in developmental age

BIOGRAPHY

Romana Gjergja Juraški is Paediatrician Specialist from 2003, and Pediatrician Neurologist from 2007. She is the Head of Neuropediatric Unit and Unit for sleep disorders in children at the Children’s Hospital Srebrnjak, from 2011 till today. She gained her PhD at the Medical School of Zagreb in 2009 in the field of biomedicine and health, with the Thesis title: The clinical significance of interictal single-photon emission computerized brain tomography in the assessment of functional brain damage in children with partial epilepsy. She is a Scientific Associate at Medical School Zagreb since 2010, an Assistant Professor at Medical School of Osijek and at the Faculty of health studies of Rijeka since 2018. She is a lecturer at undergraduate and postgraduate academic education in Zagreb and Osijek. In her professional and scientific work, she deals with sleep medicine in children, developmental epileptology, syndromology, teratology and neurogenetic counseling within the medical genetics and developmental neurology. So far, she has published several professional and scientific papers from these areas and is an active participant in conferences in Croatia and abroad. She is a co-author in the books and manuals of Medical genetics and Neuropediatrics. She had advanced education in the field of sleep medicine in abroad (Harvard Medical School and Atlanta School of Sleep Medicine). She is a member of the Croatian Medical Association, the Croatian Medical Chamber, the Croatian Society for Child Neurology, the Croatian Society for Human Genetics, the Croatian Somnology Society, the Society for Neuroscience and FENS, the European Society for Sleep Medicine (ESRS).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

March 2018 - Assist Professor at Medical School, University of Osijek

June 2018 - Assist Professor at Faculty of Health Studies, University of Rijeka

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Igor Gliha, Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Law

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, methodology and functioning of Scientific work 2

BIOGRAPHY


He began his professional career in 1986, working as a lawyer, until joining the Faculty of Law of the University of Zagreb, Civil Rights Department, where he has been working continuously since 1987. He was elected Full Professor on 12 April 2005. From 1992 to 1993 he was an advisor to the Embassy of the Republic of Croatia in the United States.

Dean of the Faculty of Law, University of Zagreb, since October 1, 2017, and vice dean of the same Faculty in academic year 2007/08. and 2008/09. He was a member of the General Committee of the Republic of Croatia for humanities in the field of law. For ten years he was the president of the Committee for university teaching literature of the University of Zagreb.

Author of a hundred papers published in domestic and foreign journals. He has participated in seventy domestic and international scientific and professional conferences. Editor and member of editorial boards of a number of scientific and professional international and domestic conferences. Editor-in-Chief of Publishing at the Faculty of Law, University of Zagreb since 2006. Member of the Editorial Board of the Proceedings of the Croatian Society for Copyright, and a multi-year member of the Proceedings of the Zagreb School of Law.


Arbitrator: Permanent Court of Arbitration at the Croatian Chamber of Commerce; The HR DNS subdomain service within the top HR domain, the Arbitration Court’s sports court at the COO and a member of the HOO's Arbitration Council.
He received the Croatian Academy of Science and Art’s Award for a Contribution of Persistent and Lasting Importance to the Republic of Croatia in the Field of Social Sciences for 1999 (together with Prof. Dr. Nikola Gavell, Prof. Dr. Tatjana Josipović, Prof. Dr. Vlado Belaj, and Prof. Dr. Zlatan Stipković).

Full member of the Academy of Legal Sciences of Croatia. President of the Croatian Society for Copyright, President of the Croatian National group Association littéraire et artistique internationale (ALAI). Member of the Comité Exécutif Association littéraire et artistique internationale, Paris. Member of the Executive Committee of Almae Matris alumnæ et alumni Croaticae - Facultas Iuridica. Founding member of the Association of Friends of the Max Planck Institute for Intellectual Property, Competition and Tax Law, Croatian Society for Civil Law and Practice and member of the Croatian Society for the Study of the European Community.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 20.4.2010. Full Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Pravna zaštita autorskih djela stvorenih u svezi s radnim odnosom na sveučilištu u: Intelektualno vlasništvo i sveučilište, Hrvatska akademija znanosti i umjetnosti, Modernizacija prava, knj. 21, 2013


Copyright Throughout the World - Croatia, (ed. Silke von Lewinski), Thomson Reuters, Rel. 7, 2015

Pregled hrvatskog autorskopravnog poretka u: Zaštita intelektualnog vlasništva, Hrvatska akademija znanosti i umjetnosti, Modernizacija prava, knj. 21, 2017.

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Alternative Licensing Contracts in Croatian Copyright Legislation (Gliha, I., Matanovac Vučković, R.) u: Metzger, A (ed.): Free and Open Source Software (FOSS) and other Alternative License Models, Springer, 2015. (s. 105-127) ISBN 978-3-319-21560-0


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME AND TITLE OF THE TEACHER; KARMEN GODIČ-TORKAR

NAME OF THE INSTITUTION OF EMPLOYMENT OF THE TEACHER; FACULTY OF THE HEALTH SCIENCES, UNIVERSITY OF LJUBLJANA

NAME OF THE COURSE/MODULE THAT SHE TEACHES: MULTIRESISTANT BACTERIA-CAUSATIVE AGENTS OF HOSPITAL INFECTIONS

BIOGRAPHY:

1984: obtained graduate degree at Biotechnical Faculty, University of Ljubljana; title of graduate thesis: Sensitivity of Pseudomonas aeruginosa isolates from wounds and burns to antibiotics

1990: obtained masters degree at Interfaculty microbiology studies at Medical faculty and Biotechnical faculty, University of Ljubljana; title of masters thesis: Beta-galactosidase and proteolitic activity of Streptococcus thermophilus

2001: obtained PhD degree at Biotechnical Faculty, University of Ljubljana; title of doctoral thesis: Detection and monitoring of Bacillus cereus in milk and dairy products using biochemical, immunological and molecular genetic methods

Work experience

1984-1989: junior researcher at Institute for milk and probiotics, Biotechnical Faculty, University of Ljubljana

1991-2007: senior research associate at Institute for milk and probiotics, Biotechnical Faculty, University of Ljubljana. Head of accredited microbiology laboratory for milk and dairy products.

2005-present day: honorary lecturer at the Biotechnical educational center Ljubljana in the following fields: Sustainable development with biology and Food microbiology and biotechnology

2007-present day: assistant professor at the Faculty of Health Sciences, University of Ljubljana; lecturer in the following fields: Microbiology and parasitology, Sampling methods, Food hygiene and technology, Microbiology methods in the environment

DATE OF LAST APPOINTMENT TO A RESEARCH OR TEACHING RANK: 4th September 2014

LIST OF PUBLISHED PUBLICATIONS WHICH QUALIFIES HER FOR THE IMPLEMENTATION OF THE PROGRAMME, RELEVANT FOR THE FIELD OF THE PHD PROGRAMME:


9. GODIĆ TORKAR, Karmen. The presence of the bacterium Bacillus cereus in the clinical department and in the infectious samples, its enterotoxin production and susceptibility to antibiotics. Obzornik zdravstvene nege : strokovno glasilo Zveze društew medicinskih sester in zdravstvenih tehnikov Slovenije, ISSN 1318-2951, 2009, letn. 43, št. 1, str. 21-29.

LIST OF SCIENTIFIC AND RESEARCH PROJECTS IN WHICH SHE PARTICIPATED WHICH ARE RELEVANT FOR THE PHD PROGRAMME

1-4067 Control of microbial adhesion on contact surfaces (1.7.2011-30.6.2014, Bohinc Klemen) Slovenian Research Agency V4-0512 Presence of microbiological, pharmaceutical and genotoxic contaminants
in drinking, surface and groundwater (1.9.2008-31.8.2010, Godič Torkar Karmen) Slovenian Research Agency

LIST OF SCIENTIFIC PROJECTS IN THE LAST FIVE YEARS

1) J2-8162 Municipal wastewater treatment with green technologies (1.5.2017-30.4.2020, Griessler Bulc Tjaša)


3) J2-5462 Development of new technologies for separation and purification of black and gray water (1.8.2013-31.7.2016, Griessler Bulc Tjaša)

4) L1-4067 Control of microbial adhesion on contact surfaces (1.7.2011-30.6.2014, Bohinc Klemen)

ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mirna Golemovic, PhD, molecular biologist

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of Molecular Biology in Medicine

BIOGRAPHY

Mirna Golemovic was born in 1973 in Zagreb. She graduated in 1997 at the Faculty of Science, University of Zagreb in the field of biology, molecular biology. In 2002 she defended her Master’s thesis and obtained the title Master of Science. She spent two years (2002-2004) working at the Department of Leukemia, The University of Texas M. D. Anderson Cancer Center, Houston, Texas, USA. In 2006 she defended her doctoral thesis at the Faculty of Science and obtained her PhD title. In 2009, she was promoted to Research Associate at The University of Zagreb School of Medicine. From 1998 until 2007 she was employed as a scientific novice at the Department of Immunology at University Hospital Centre Zagreb (UHC Zagreb). Since 2007 she has been employed as a full-time employee at the Clinical Department of Transfusion Medicine and Transplantation Biology, UHC Zagreb. In 2012 she completed International On-line Course in Tissue Banking, Cell Therapy and Regenerative Medicine and 4th Advanced Course in Tissue Banking, Cell Therapy and Regenerative Medicine – Transplant Procurement Management (TPM) at University of Barcelona (Extension Certificates). From 2011 until 2017, she was head of the Cellular Therapy Unit. Since January 2016, she is the Croatian delegate at the Committee for Advanced Therapies in the European Medicines Agency. In 2015 she was the President of the Scientific Committee of 24th Congress of European Association of Tissue Banks.

She is a lecturer at the University of Applied Health Studies Zagreb. She participates in one course at Specialist postgraduate study in Transfusion Medicine at The University of Zagreb School of Medicine.

She was a mentor at one doctoral thesis (Faculty of Sciences) and co-mentor at another (Faculty of Mechanical Engineering and Naval Architecture). She is currently co-mentoring one PhD student at School of Medicine. She was a mentor at two master graduation theses at Faculty of Sciences and one at the University of Applied Health Studies. She was the author or co-author in 14 published papers and 57 conference reports. She is a co-author in two chapters of two manuals for students at the doctoral study at the School of Medicine. She is a member of the Croatian Immunological Society, the European Association of Tissue Banks and a Board member in the Croatian Society of Biologists in Health Care. Her scientific interests are related to the fields of cellular therapy and tissue banking.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2009., Research Associate, The University of Zagreb School of Medicine

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/her FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Participation in scientific projects sponsored by Croatian Ministry of Science (position: scientific novice):


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

-
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. Prof. Branka Golubić Ćepulić, MD, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb, Department of Transfusion Medicine and Transplantation Biology
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Laboratory approach to transplantation of haematopoietic stem cells

BIOGRAPHY
Date and place of birth
25.8.1958, Zagreb

Education
1990 specialization in transfusion medicine
1987 postgraduate study in Medical Cytology
1982 medical doctor, University of Zagreb, School of Medicine

Work experience
1996-present head of the Department of Transfusion Medicine and Transplantation Biology, University Hospital Centre Zagreb
1995-1996 advisor, Croatian institute for health insurance
1990-1995 specialist in transfusion medicine, Department of Transfusion Medicine, University Hospital Centre Zagreb
1987-1990 residency in transfusion medicine, University Hospital Centre Zagreb
1983-1987 general practitioner, Public Health Care Centre Trnje, Zagreb
1982-1983 internship, Children’s Hospital Zagreb

Academic degrees
2011 PhD, Dissertation: Sources of Errors and Their Control: An Adverse Event Management Model in Clinical Transfusion, University of Zagreb, School of Medicine
1998 Master of Science, Thesis: Influence of high doses of gamma irradiation on platelets concentrates, University of Zagreb, School of Medicine

Teaching position
2015-present Assistant Professor, School of medicine, University of Zagreb (160 h)
2013-present Assistant Professor, Department of Health Studies, University of Split (100 h)
2002-present College professor, University of Applied Health Sciences, Zagreb (90 h)
In total 350 teaching hours

Publications
in total 65 articles in medical journals: 40 articles in indexed journals (18 Current Contents, 13 Medline, 6 Scopus, 3 WOS)
author or co-author of 20 chapters in student’s textbooks and 19 chapters in other books (all in Croatian)
editor of 4 books in the field of transfusion medicine (all in Croatian)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 20.07.2015
Assistant Professor, University of Zagreb; 10.06.2013 Assistant Professor, University of Split

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
1. Leukemia and hematopoetic stem cells transplantation (Ministry of science, education and sport; number: 108-1081872-1913; principal investigator: Prof. Boris Labar, MD, PhD)
2. Limphoprolipheral diseases and hematopoetic stem cells transplantation (Ministry of science, education and sport; number: 108-1081872-2061; principal investigator: prof. Damir Nemet, MD, PhD)
3. Scientific Center of Excellence for Reproductive and Regenerative medicine (CERRM) School of Medicine University of Zagreb; Horizon 2020 project OSTEOproSPINE Contract No EU (K.K. 01.1.01.008), collaborator

Other projects
1. EURO-GTP II - Good Practices for demonstrating safety and quality through recipient follow-up Contract No 709567 - WP leader (WP 3 Evaluation) (2016-present)
2. Twinning light project “Strengthening national institutional capacities in the field of Substance of Human Origin (SoHO) to improve the safety of blood in transfusion and transplantation”, in Serbia Contract No SR 13 IPA HE 02 17 TWL., Short term expert (2017-2018)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
Scientific Center of Excellence for Reproductive and Regenerative medicine (CERRM) School of Medicine University of Zagreb; Horizon 2020 project OSTEOproSPINE Contract No EU (K.K. 01.1.01.008), collaborator
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Kristina Gotovac Jerčić, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinical Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Genomic approaches in biomedical and translational research

BIOGRAPHY

Kristina Gotovac Jerčić was born in 1983 in Zagreb, Croatia. She graduated from Faculty of Science, Department of Biology in 2008 and attained her PhD from Faculty of Science, Department of Biology in 2014. From 2008 to 2016 she was employed at the Department for Functional Genomics (Center for Translational and Clinical Research). Since 2016 she has been employed as a molecular biologist at the Department of Neurology, University Hospital Center Zagreb. For the purpose of scientific training she spent two months in 2010 in the group of prof. Dr. Nicholas Hastie at the Medical Research Council Human Genetics Unit in Edinburgh (Scotland), and in the laboratory of prof Dr Tiago Outeiro at Georg-August University in Gottingen (Germany). So far she has published 12 publications indexed in CC and WoS databases which have been cited 165 times according to Scopus database and has actively participated in several scientific congresses in the country and abroad.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

EU FP7 - „Integrating and Strengthening Genomic Research in South-Eastern Europe – INTEGERS“ (01. 05. 2008. – 30. 04. 2010.) - associate

Michael J. Fox Foundation – Rapid Response Innovation Award „Deciphering the molecular effects of alpha-synuclein in the nucleus: DNA binding and transcriptional dysregulation“ (2010.-2011.) - associate


DAAD - „The role of nuclear alpha-synuclein on transcriptional modulation in mouse models of Parkinson’s disease” – associate (2015.-2017.)


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**


DAAD - „The role of lysosomal dysfunction on protein accumulation in Parkinson’s disease“ – associate (2018.-2019.)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Danka Grčević

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected topics in transplantation immunology, Immunological recognition, Understanding bone metabolism – basic science in clinical practice

BIOGRAPHY

DATE AND PLACE OF BIRTH: 15. 7. 1967. ZAGREB

EDUCATION

1992.: MD, School of Medicine University of Zagreb;

1998.: MS in Natural Sciences – Biology Postgraduate Education in Biomedicine, University of Zagreb School of Natural Sciences, Thesis: Alleviation of graft versus host reaction by the pharmacological inactivation of T lymphocytes in murine bone marrow; supervisor Prof M Marusic);

2001.: PhD in Medical Sciences – Biomedicine and Health, Doctoral thesis: Role of T and B lymphocytes in osteoclast differentiation, supervisor Prof M Marusic);

2013: Specialisation in laboratory immunology, Ministry of Health RH

EMPLOYEMENT

1995 - 1996: PhD student, Department of Physiology and Immunology;

1996 - 2003: Assistant, Department of Physiology and Immunology;

2003 - 2010: Assistant Professor, Department of Physiology and Immunology,

2010 - 2016: Associate Professor, Department of Physiology and Immunology,

2016: : Professor, Department of Physiology and Immunology.

RESEARCH AND TEACHING ACTIVITIES

Scientific training:

1997 (4 months) i 1999 (3 months): Scientific training in the laboratory of Prof J Lorenzo, University of Connecticut Health Center, Farmington, CT, USA;

2002, 2003 i 2004 (total 4 months): Scientific training in the laboratory of Prof P Croucher, Institute of Musculoskeletal Sciences, University of Oxford, Headington, UK;

2009 – 2018 (total 12 months): Visiting researcher (laboratories of Prof HL Aguila and Prof I Kalajžić), University of Connecticut Health Centre, Farmington, CT, USA.

Teaching experience: Involved in several obligatory courses at the Medical School in Zagreb (Physiology, Immunology, Introduction to Research) and Medical Studies in English, collaborator at several postgraduate courses of Doctoral Studies at Medical School in Zagreb.

Selected textbooks:


RESEARCH INTERESTS
Mechanisms of functional interactions between immune and one systems in the bone marrow microenvironment, particularly the molecular interactions between immune and bone cells in physiological and pathological conditions.

MAJOR SCIENTIFIC ACHIEVEMENTS
- PI of the project awarded by the Croatian Scientific Foundation, participation in several national and international scientific projects, invited speaker at the number of scientific meetings.
- Co-organizer of the EMBO workshop: “Anatomy and Embryology of the Mouse” at Medical School.
- Long-term member of the Executive Board of the Croatian Medical Journal, membership and active participation in scientific and professional organizations (Croatian Immunological Society (president), America Association of Immunologists)
- Co-leader (leader Prof Batinić) of the Postgraduate specialty study in Laboratory immunology, School of Medicine University of Zagreb

NUMBER OF PUBLICATIONS/ CITATIONS: 47 / 792 CITATIONS (Scopus)

AWARDS
2017. State Award for Scientific Achievement, Biomedicine and Health, Ministry of Science and Education
2012. Award for Scientific Achievements, University of Zagreb School of Medicine
2010. Short term fellowship award European Molecular Biology Organization (EMBO) for scientific training in the Laboratory of Prof HL Aquila, UConn Health Center, USA

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 19 Jan 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“

- Grčević D, Lee SK, Marušić A, Lorenzo JA. Depletion of CD4 and CD8 T lymphocytes in mice in vivo enhances 1,25-dihydroxyvitamin D3-stimulated osteoclast-like cell formation in vitro by a mechanism that is dependent on prostaglandin synthesis. J Immunol 2000;165:4231-4238. (Q1)
- Grčević D, Batinić D, Ascensao JL, Marušić M. Pre-treatment of transplant bone marrow cells with hydrocortisone and CsA alleviates graft-versus-host reaction in a murine allogeneic host-donor combination. Bone Marrow Transplant 1999;23:1145-52. (Q2)

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


5. Bilateral Croatian-Italian project: “Role of PTX3 in osteoclast and osteoblast differentiation” (co-investigator Prof B Bottazzi na Istituto Clinico Humanitas IRCCS, Milan, Italy), 2009-2011.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


3. European Regional Development Fund (Operative program for competence and cohesion, section Science and technology) "Scientific Center of Excellence for Reproductive and Regenerative medicine" (co-leadr Prof Vukicevoic and Prof Jezek), 2015-2020.


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
8
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. RUDOLF GREGUREK, M.D., Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research Methods of Psychological Functions and Behavior; Liaison and consultative psychiatry; Mental health service management;

BIOGRAPHY

He was born on 17th January 1958. He graduated in University of Zagreb Medical School in 1981. In 1987 started residency in psychiatry in a Clinic for Psychological Medicine and he finished it in 1990. Since then he works as a psychiatrist on a Clinic for Psychological Medicine, Clinical Hospital Centre Zagreb. In 2000 he became subspecialist in psychotherapy. Same year he became head of Policlinic for Psychotherapy and in 2003 he became head of Clinic for Psychological Medicine.

From 2003.- 2013 he was head of Clinic for Psychological Medicine, Clinical Hospital Centre Zagreb, head of Desk for Psychiatry and Psychological Medicine, University of Zagreb Medical School

From 1990 to 1995 he was in education and supervision in individual psychotherapy, and when he finished it he became supervisor in individual psychoanalytical psychotherapy. He started personal group analysis in 1987 that was finished in 1992 and also become supervisor in group analysis and in dynamic family marital and partner therapy as well.

In 1994 he became assistant on a desk for Psychiatry and Psychological Medicine, University of Zagreb Medical School, in 1998 he became assistant professor, and in 2003 professor of psychological medicine. In 2006- 2009 he was head of Desk for Psychiatry and Psychological Medicine at University of Zagreb Medical School. Presently, from 2014. he is full professor of Psychological Medicine and Psychiatry on School of Medicine, University of Zagreb.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Leader and principal investigator Quality of life of chronic patients and transplanted

2. Leader and Principal Investigator of the Project Neurobiological aspects of human adaptation on stress and response to psychotherapy

3. Leader and principal investigator Experimental development of the Croatian PTSD psychotherapy model (0108092)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

5.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ivica Grgurevic, MD PhD, Assoc Prof

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Dubrava

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Advanced ultrasonography in gastroenterology and hepatology; Proteomics in biomedical research;

BIOGRAPHY

Ivica Grgurevic is Assist. Prof. of Medicine and Board certified Consultant in Internal Medicine, Gastroenterology and Hepatology. He graduated at University of Zagreb School of Medicine and attended postgraduate clinical fellowship in Hepatology at Institute for Liver and Digestive Health, University College London, Royal Free Hospital, UK. Currently works at Department of Gastroenterology, Hepatology and Clinical Nutrition (Head), University hospital Dubrava Zagreb. He was the first in Croatia who introduced Quantitative ultrasound elastography (in 2009); Contrast-enhanced ultrasound (2014) and invasive measurement of portal pressure (HVPG) (2015). His principal scientific interests are in the field of Hepatology and Ultrasound, more specifically diagnostic performance of noninvasive methods for assessment of liver fibrosis, steatosis, and portal hypertension. Member of EASL, EFSUMB, IASGO, Member of the Governing Board of the Central European Hepatology Collaboration, President-elect of the Croatian Society of Gastroenterology, Vice-president of the Croatian Society for the Ultrasound in Medicine and Biology. He serves as the Associate professor at University of Zagreb, Faculty of pharmacy and Assistant professor at University of Zagreb School of Medicine. He has published 45 scientific papers (25 indexed in Current contents), 90 congress abstracts, held 69 invited talks, authored or co-authored several chapters in books, was awarded the best poster in the cathegory of Liver imaging at United European Gastroenterology Week in Vienna 2016.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: December 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


• Lucijanic M, Ziga S, **Grgurevic I.** Comment to: “Management and outcome of gastrointestinal bleeding in patients taking oral anticoagulants or antiplatelet drugs”. J Gastroenterol 2017. DOI 10.1007/s00535-017-1361-y.

University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

• Croatian center of excellence in regenerative and reproductive medicine. University of Zagreb School of Medicine. Leaders: Prof. dr. sc. Slobodan Vukičević i Prof. dr. sc. Davor Ježek

• Noninvasive approaches to diagnosing portal hypertension: evaluation and comparison of the existing methods and discovery of new serum markers (HePortoNew). University of Zagreb School of Medicine and The Adris Foundation. Leader: Assoc. prof. dr. sc. Ivica Grgurević

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


• Croatian center of excellence in regenerative and reproductive medicine. University of Zagreb School of Medicine. Leaders: Prof. dr. sc. Slobodan Vukičević i Prof. dr. sc. Davor Ježek

• Noninvasive approaches to diagnosing portal hypertension: evaluation and comparison of the existing methods and discovery of new serum markers (HePortoNew). University of Zagreb School of Medicine and The Adris Foundation. Leader: Assoc. prof. dr. sc. Ivica Grgurević

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1. Bokun Tomislav „Characterisation of liver tumours by quantitative ultrasound elastography“, University of Zagreb School of Medicine, 11.7.2017. Mentor: Assist. prof. dr. sc. Ivica Grgurević
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Lovorka Grgurević, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Medical school University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical methods in biomedical research; Methods of molecular biology in medicine; Proteomics in biomedical research

BIOGRAPHY

Lovorka Grgurevic conducts research in the Center for Translational and Clinical Research (CETRI), University of Zagreb School of Medicine, head of the proteomic centre where she conducted research program related with rare bone disease and tissue regeneration. She explores the structure and function of bone morphogenetic proteins (BMPs) in biological fluids, has discovered circulating osteogenic proteins and associated molecules in the plasma, and then investigated their effectiveness in bone healing and in models of acute and chronic renal failure. She contributed significantly to the discovery of a new carrier for BMPs and tested its efficacy in animal models of bone defects. Dr Grgurevic discovered novel biomarkers for bone repair, breast and prostate cancer prognosis. She received a new laboratory installation grant from the Croatian Science Foundation and was awarded by the Croatian Academy of Sciences and Arts for scientific achievements.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: full professor September 2019

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Rad je u istom broju imao editorial-uvodnik: Tolloid-like Proteins Orchestrate Extracellular Matrix Formation Hirokazu Okada Department of Nephrology, Faculty of Medicine, Saitama Medical, University, Saitama, Japan


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

project leader:
- 2008. „Praćenje uspješnosti cijeljenja prijeloma pomoću novih serumskih markera“, sponzor Hrvatski institut za tehnologiju, voditelj projekta dr. sc. Lovorka Grgurević
- 2013. Adris donacije i projekt HEPATOPROTECT i OPREMANJE ZAVODA, voditelj prof.dr.sc. Lovorka Grgurević
- 2013. Projekt potpore sveučilišta REDUSCAR, voditelj prof.dr.sc. Lovorka Grgurević
- 2014. Projekt potpore sveučilišta „Sistemski utjecaj koštanih morfogenetskih proteina 2 i 7 na koštani metabolizam“, voditelj prof.dr.sc. Lovorka Grgurević
- 2016. Uspostavni istraživački projekt Hrvatske zaklade za znanost „Novootkrivene cirkulirajuće izoforme BMP1 proteina kao biomarkeri i terapijski ciljevi za humane bolesti“

Associate project:
- 2002.-2006. „Mehanizam i učinkovitost koštanog morfogenetskog proteina 6 u liječenju osteoporoze“, sponzor Ministarstvo znanosti, obrazovanja i sporta, voditelj projekta prof. dr. Slobodan Vukićević
- 2007.-2012. „Uloga TSH u modelu osteoporozne i u bolesnica sa smanjenom koštanim masom“, sponzor Ministarstvo znanosti, obrazovanja i športa, voditelj projekta prof. dr. Slobodan Vukićević
- 2010.-2012. „Bone morphogenetic protein-1 isoforms in bone regeneration“ UKF projekt, voditelj projekta prof. dr. Slobodan Vukičević
- 2012.- EU FP7 Project GlowBrain, voditelj prof.dr.sc. Srečko Gajović
- 2012.-2016. „OSTEOGROW“ - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration, FP7 HEALTH projekt, kordinator projekta prof. dr. Slobodan Vukičević, voditelj dva podprojekta (WP 2,3) za kliničko testiranje novog lijeka.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Project leader:
- 2008. „Praćenje uspješnosti cijeljenja prijeloma pomoću novih serumskih markera“, sponzor Hrvatski institut za tehnologiju, voditelj projekta dr. sc. Lovorka Grgurević
- 2013. Adris donacije i projekt HEPATOPROTECT i OPREMANJE ZAVODA, voditelj prof.dr.sc. Lovorka Grgurević
- 2013. Projekt potpore sveučilišta REDUSCAR , voditelj prof.dr.sc. Lovorka Grgurević
- 2014. Projekt potpore sveučilišta „Sistemski utjecaj koštanih morfogenetskog proteina 2 i 7 na koštani metabolizam“, voditelj prof.dr.sc. Lovorka Grgurević
- 2016. Uspostavni istraživački projekt Hrvatske zaklade za znanost „Novootkrivene cirkulirajuće izoforme BMP1 proteina kao biomarkeri i terapijski ciljevi za humane bolesti“

Associate project:
- 2002.-2006. „Mehanizam i učinkovitost koštanog morfogenetskog proteina 6 u liječenju osteoporoze“, sponzor Ministarstvo znanosti, obrazovanja i sporta, voditelj projekta prof. dr. Slobodan Vukičević
- 2007.-2012. „Uloga TSH u modelu osteoporose i u bolesnica sa smanjenom koštanim masom“, sponzor Ministarstvo znanosti, obrazovanja i sporta, voditelj projekta prof. dr. Slobodan Vukičević
- 2010.-2012. „Bone morphogenetic protein-1 isoforms in bone regeneration“ UKF projekt, voditelj projekta prof. dr. Slobodan Vukičević
- 2012.- EU FP7 Project GlowBrain, voditelj prof.dr.sc. Srečko Gajović
- 2012.-2016. „OSTEOGROW“ - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration, FP7 HEALTH projekt, kordinator projekta prof. dr. Slobodan Vukičević, voditelj dva podprojekta (WP 2,3) za kliničko testiranje novog lijeka.

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**
7
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: dr. sc. Darko Grošev
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Analiza medicinskih slika

BIOGRAPHY
1981- graduated from High school for mathematics and informatics, Zagreb Croatia.
1989- obtained BSc degree in physics at Faculty of Natural sciences and mathematics, Zagreb, Croatia, in the field of theoretical particle physics
1989 - until present: Employed as a health physicist in Clinical Department of Nuclear Medicine and Radiation Protection, Clinical Hospital Center, Zagreb, Croatia.
1996- Completing the postgraduate study in Medical Physics at the Faculty of Natural sciences and mathematics, Zagreb, Croatia; obtained Master of Science degree with thesis „Calculation of thyroid volume from ultrasonic cross sections”.
2011- PhD degree in medical physics at the Faculty of Natural sciences and mathematics, Zagreb, Croatia; Thesis title: “Determination of Thyroid Remnant Geometrical Parameters in the Dosimetry of Radioiodine Ablation”


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2009-2014: Research project with IAEA, Vienna: 'IAEA Coordinated Research Project (CRP)’ 'Development of Quantitative Nuclear Medicine Imaging for Patient Specific Dosimetry'

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2017.- Individual research project with IAEA, Vienna: ‘Use of Quantitative Imaging for Activity Measurements in Radioiodine Ablation of Thyroid Remnants, as a part od the Coordinated Research Project: ‘Dosimetry in Molecular Radiotherapy for Personalized Patient Treatments’. 
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Zorana Grubić, Prof

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Tissue Typing Center, Department of Clinical Transfusiology and Transplantation Biology, University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Immunological recognition

BIOGRAPHY

Zorana Grubić was born on 10 May 1963 in Split. In 1986 she graduated from the Department of Biology, Faculty of Science in Zagreb. In 1991 she earned her Master’s Degree, and in 1997 her PhD from the same Faculty. Since 1987 she has been an employee of the Tissue Typing Department of the Department of Clinical Transfusiology and Transplantation Biology of the University Hospital Centre Zagreb. She was awarded the title of Research Associate in the area of Biomedicine and Health; field of clinical medical sciences, University of Zagreb, School of Medicine in 2005, and in 2017 the title of Scientific Advisor in the area of Biology, University of Zagreb, Faculty of Science.

In 2017, she was awarded the title of Full Professor in the area of Biomedicine and Heath, field of fundamental medical sciences at the Postgraduate interdisciplinary university programme Molecular Biosciences at the University of Josip Juraj Strossmayer in Osijek.

The main area of her scientific work is the research of the main histocompatibility system (HLA) in humans, and its role in the transplantation of tissues and organs, HLA gene polymorphism and links between the HLA system and diseases. As the first author or a co-author, she has published 70 scientific papers indexed in CC journals and is the co-author of 5 university textbooks. She has actively participated at 80 scientific conferences (55 international and 25 national) and has given over 20 keynote speeches. Since 2003, she has participated in implementation of the undergraduate programme at the Department of Biology of the Faculty of Science in Zagreb as the coordinator of the elective course “Transplantation immunology”. Since 2004 she has taught at the undergraduate programme of the Department of Biology at the University of Josip Juraj Strossmayer in Osijek as the coordinator of the elective subject “Immunocompetence and Transplantation”. She has also taught at the postgraduate programme in Molecular biosciences at the University of Josip Juraj Strossmayer in Osijek as the coordinator of the elective subject “Immunogenetics of transplantation”. She has introduced the subjects listed above into these programmes and has so far taught over 1000 norm hours. At the same time, she has been the mentor of 27 diploma papers, 3 master’s thesis and 5 doctoral dissertations. She has actively participated in 13 scientific projects (5 international and 8 national). She acted as the project manager of one of the projects, a researcher on 9 projects, consultant on 2 projects, while she was a researcher and representative of the Republic of Croatia. She is the member of 9 international and national professional associations.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 29.11.17.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Grubic Z, Maskalan M., Radmanic L., Stingl Jankovic K., Burek Kamenaric M., Zunec R. The distribution of the DRB4*01:03:01:02N null allele in HLA-DRB1~DQB1 haplotypes in the Croatian population. HLA 2018, 91(1), 23-28.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Project manager on: „Istraživanja mikrosatelita unutar regije glavnog sustava tkivne podudarnosti” Ministarstvo znanosti i tehnologije RH (šifra: 241-000000-3354)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Full Prof. Dubravko Habek, MD, PhD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Croatian Catholic University Zagreb, Clinical Hospital "Sveti Duh" Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Fetal and Neonatal Neurophysiology, Fetal Behavior

BIOGRAPHY

Dubravko Habek (1965.), specialist of Obstetrics and Gynecology, superspecialist of Fetomaternal medicine, forensic expert in obstetrics and gynecology. Master Thesis from early fetal behaviour in early pregnancy, first PhD Thesis from fetal neurology / fetal hypoxia and second PhD Thesis from medicohistriography. Head in University Department of Obstetrics and Gynecology Clinical Hospital Sveti Duh in Zagreb, Croatia. Former Director of University Hospital Osijek. Full Professor of Obstetrics and Gynecology in Croatian Catholic University Zagreb. Member of Austrian College of Pre und Perinatal Medicine. President of Surgeon Collegium of the Croatian Academy of Medical Sciences. Author of more than 500 original and professional articles, books, books chapters and conference reports. Research interest: perinatology, fetal neurology, operative obstetrics and gynecology, obstetrics emergencies, forensic obstetrics and gynecology, history of surgery, obstetrics and midwifery


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Project of Croatian Ministry of Science, No 108193 “Fetal hypoxia and cerebrovascular reactivity”, 1997-2001; leader: prof. Aida Salihagić, MD, PhD.


Project of Croatian Ministry of Science, „4D-ultrasound parameters of behaviour in normal and disturbed development of the fetus“, 2006; leader: prof. Asim Kurjak, MD, PhD

Group leader of the Project of Croatian Ministry of Science: „Short-term and long-term consequences of adverse perinatal events“, No 129-0000000-3376; 2009-2013.

Group leader of the scientific project of the Croatian Catholic University: „Influence of biometeorological and climatic events on health“, 2016.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Group leader of the Project of Croatian Ministry of Science: „Short-term and long-term consequences of adverse perinatal events“, No 129-0000000-3376; 2009-2013.
Group leader of the scientific project of the Croatian Catholic University: „Influence of biometeorological and climatic events on health“, 2016.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mario Habek, MD, Assistant Professor of Neurology

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb and University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research Methods of Psychological Functions and Behavior, Structure, methodology and functioning of scientific work 2

BIOGRAPHY

Mario Habek was born in Slavonski Brod in 1978. He graduated from School of Medicine, University of Zagreb in 2003, and in 2010 he received the PhD title at the same School. Since 2009 he has worked at the Department of Neurology, Univesity Hospital Center Zagreb, as a consultant neurologist. He is Head of the Laboratory for Autonomic Nervous System Testing and the Head of the Referral Center for Autonomic Nervous System. Since 2004 he has worked at the School of Medicine, University of Zagreb, and form 2013 he is Assistant Professor at the Department of Neurology. He is a lecturer at the graduate and postgraduate study at the School of Medicine, University of Zagreb, and the lecturer at the professional postgraduate study Clinical Neurology. He is the Head of several scientific project, one funded by CSF, "Brainstem Evoked Potentials Score and Composite Autonomic Scoring Scale as a Predictors of Disease Progression in Clinically Isolated Syndrome", and three projects funded by University of Zagreb, and he also participates in different scientific research projects, whose results are presented in numerous national and international scientific journals. He is a reviewer for internationally recognized journals. He is vice-president of the Croatian Federation for EEG and Clinical Neurophysiology of the Croatian Medical Association, member of the advisory board of the Croatian Neurological Society, member of the European Academy of Neurology, where he is member of the Scientific panel for Multiple Sclerosis, Autonomic Nervous System i Clinical Neurophysiology; member of the Management group of the Scientific panel for Autonomic Nervous System of the European Academy of Neurology and Co-Chair of the Scientific panel for Autonomic Nervous System of the European Academy of Neurology. His field of scientific interest are multiple sclerosis, autonomic nervous system and clinical neurophysiology.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2013, Assistant Professor at the Department of Neurology, School of Medicine, University of Zagreb

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- Brainstem Evoked Potentials Score and Composite Autonomic Scoring Scale as a Predictors of Disease Progression in Clinically Isolated Syndrome (CSF)
- Vestibular activation of the autonomic nervous system (University of Zagreb)
- Autonomic dysfunction in different forms of multiple sclerosis (University of Zagreb)
- The influence of the autonomic dysfunction on the comorbidities related to multiple sclerosis (University of Zagreb)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- Brainstem Evoked Potentials Score and Composite Autonomic Scoring Scale as a Predictors of Disease Progression in Clinically Isolated Syndrome (CSF)
- Vestibular activation of the autonomic nervous system (University of Zagreb)
- Autonomic dysfunction in different forms of multiple sclerosis (University of Zagreb)
- The influence of the autonomic dysfunction on the comorbidities related to multiple sclerosis (University of Zagreb)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

3
First Name, Last Name, and Title of the Teacher: Miro Hanževački, MD, PhD, Assistant Professor

Name of Institution of Employment of the Teacher: Health Care Center Zagreb West, Medical University Zagreb

Name of Course/Module That He/She Teaches at This Doctoral Study: Telemedicine

Biography

Miro Hanževački is practicing physician, specialist in Family Practice / General Medicine also working as Director of Primary Health Care Center in Zagreb, Croatia.


His area of interest is Pharmacology and Primary Care. He participated in publication of more than 10 scientific publications in the field of pharmacology and primary care.

Date of Last Appointment to a Research-and-Teaching or Art-and-Teaching Rank: 2018

List of Published Work, Which Qualify Him/Her for Implementation of the Programme, That Is, Which Are Relevant for the Field of the Doctoral Programme


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

EUROSPIRE 3, EUROSPIRE 4

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

E-portfolio as a teaching tool

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1 in progress
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Marija Heffer, Prof. dr. sc.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Faculty of Medicine Osijek, Osijek

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: How to become a neuron?

BIOGRAPHY

Born: 1965, Osijek. Education: MD, 1989, Faculty of Medicine, University of Zagreb. Postgraduate and Doctorate study: Zagreb, Faculty of Natural Sciences and Mathematics, Ph.D. in 1996. Postdoctoral study: 1997-1998. John Hopkins Medical School, Baltimore (USA). From 1990 to 2011 he has been working at the Faculty of Medicine in Zagreb, and since 1999 he has been working at the Faculty of Medicine of the University of Josip Juraj Strossmayer in Osijek. She has passed through these institutions through the following positions: researcher trainee, assistant, senior assistant, docent and at the end of 11.07.2011. Marija Heffer is Full Professor of Biomedicine and Health Sciences, Scientific Field of Basic Medical Science and Scientific Neuroscience. Tenure position from: 30.05.2017. So far she has been the leader of 8 national projects and has participated in 4 national and 10 international projects. The area of scientific interest: the role of glycoconjugates in the development and aging of the brain, stress and stem cells. Mentor of: 11 doctoral thesis, one master’s degree and 6 graduate theses. Author of: 40 CC and 14 SCI papers. In the period 2003 - 2019 she has held 85 lectures aimed in educating and popularizing science. So far she organized of 17 manifestations of the Brain Week, first at the Faculty of Medicine in Zagreb (2002) and then for the J. J. Strossmayer University (since 2003). Also, she had been running 5 projects of the DANA Foundation for the popularization of science. She participated in the organization of 4 TEDexOsijek events, and lectured at one. Cited 15019 times, h-index 17.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 30.05.2017., 117/373

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


4. Ivić, Vedrana; Blažetić, Senka; Labak, Irena; Balog, Marta; Vondrak, Luka; Blažeković, Robert; Vari, Sandor G.; Heffer, Marija. Ovariectomy and chronic stress lead toward leptin resistance in the satiety centers and insulin resistance in the hippocampus of Sprague-dawley rats. // Croatian Med J. 57 (2016) , 2; 194-206 (članak, znanstveni).


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1998-2001: Project Manager "Glycoconjugates in the Human Brain" Ministry of Science and Technology of the Republic of Croatia

2002-2006: project leader "The role of gangliosis in maturation and plasticity of the brain" of the Ministry of Science, Education and Sports of the Republic of Croatia (0219021)

2007-2014: Project Manager "The role of lipid rafts and glycoconjugates in the development and regeneration of the nervous system", Ministry of Science, Education and Sports of Croatia (219-0061194-2157)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


2015-2019: project leader "Pathophysiological Consequences of Changes in Lipid Raft Composition", Croatian Science Foundation (IP-2014-09-2324) for 48 months (10/12/2017 - 09/12/2018).


2016-2016: Project Leader "Lipid micro-environment of leptin and insulin receptors in development and aging", projects for visiting professors at J. J. Strossmayer University, INGI-2016-35.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

11
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Associate professor Neven Henigsberg, M.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Mental health service management

BIOGRAPHY

EDUCATION

2009   Subspecialty in Biological Psychiatry
       School of Medicine, University of Zagreb
2003   Master of economic sciences
       School of Economy, University of Zagreb
2000   Doctor of medical sciences, field of psychiatry (thesis title: Seasonality of schizophrenic births and characteristics of developed schizophrenia features)
       School of Medicine, University of Zagreb
1996   Specialist in psychiatry
       School of Medicine, University of Zagreb, Vrapče University Hospital
1994   Master of medical sciences
       School of Medicine, University of Zagreb
1993 – 1995   International postgraduate study „School of Business Management“
       School of Economy, University of Zagreb
       School of Medicine, University of Zagreb
1987   Medical doctor
       School of Medicine, University of Zagreb

CURRENT POSITION(S)

2017 - Full professor, Chair of Psychiatry and Psychological Medicine
       Medical School, University of Zagreb
2013 – present Head of Department of Cognitive Neuroscience
       Croatian Institute for Brain Research, Medical School, University of Zagreb
2012 – present Head of Department of Research, Head of Research Department in Psychiatry Vrapče University Hospital
2004 – present Head of Department for Neuropsychopharmacology and Pharmacology of Behaviour
       Croatian Institute for Brain Research, Medical School, University of Zagreb
       School of Public Health „Andrija Štampar“, Medical School, University of Zagreb
PREVIOUS POSITIONS

2011 – 2017  Associate professor of psychiatry, Chair of Psychiatry and Psychological Medicine
Medical School, University of Zagreb

2006 – 2011  Assistant professor of psychiatry, Chair of Psychiatry and Psychological Medicine
Medical School, University of Zagreb

2002 – 2006  Senior Assistant, Chair of Psychiatry and Psychological Medicine
Medical School, University of Zagreb

1997- 2002  Assistant, Chair of Psychiatry and Psychological Medicine
Medical School, University of Zagreb

1993 – 1996  Resident in psychiatry
University Hospital for Diabetes, Endocrinology and Metabolic Diseases „Vuk Vrhovec“, Medical School, University of Zagreb

1989 – 1993  General practitioner, Primary Health Care Centre

1987 – 1989  Research Assistant, School of Public Health "Andrija Štampar", Medical School, University of Zagreb

TEACHING ACTIVITIES

2017 - Full professor, Chair of Psychiatry and Psychological Medicine, Medical School, University of Zagreb

2011 – 2017  Associate professor of psychiatry, Chair of Psychiatry and Psychological Medicine
Medical School, University of Zagreb

2009 – 2018  Honorary Associate professor of psychiatry, Chair of Psychiatry and Psychological Medicine, Medical School, University of Osijek

2006 – 2011  Assistant professor of psychiatry, Chair of Psychiatry and Psychological Medicine
Medical School, University of Zagreb

2003 - 2009  Honorary Assistant professor of psychiatry, Chair of Psychiatry and Psychological Medicine
Medical School, University of Osijek

2002 – 2006  Senior Assistant, Chair of Psychiatry and Psychological Medicine
Medical School, University of Zagreb

1997- 2002  Assistant, Chair of Psychiatry and Psychological Medicine
Medical School, University of Zagreb

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: January 17, 2017, full professor
LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Kinon BJ, Zhang L, Millen BA, Osuntokun OO, Williams JE, Kollack-Walker S, Jackson K, Kryzhanovskaya L, Jarkova N; HBBI Study Group. A multicenter, inpatient, phase 2, double-blind, placebo-controlled dose-


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018 – Project leader," Spacijalni korelati 1H-MRS s povratom depresije i konverzijom u bipolarni poremećaj", University of Zagreb

2015 – 2018 Project leader, „Multimodal approach to treatment and long-term assessment of depressive disorder by means of magnetic resonance“, Croatian Science Foundation

2017 – 2018 Project leader, „Spacijalni korelati 1-H MRS terapijskog odgovora u praćenju povrata depresije“, University of Zagreb

2016 – 2017 Project leader, „Spacijalni korelati 1-H MRS terapijskog odgovora u praćenju povrata depresije“, University of Zagreb

2015 – 2016 Project leader, „Spacijalni korelat 1-H MRS s terapijskim odgovorom u liječenju depresivnog poremećaja, University of Zagreb

2014 – 2015 Project leader, „Longitudinalna praćenje 1H-MRS promjena kao prediktora terapijskog odgovora, relapsa i povrata depresije“, University of Zagreb

2007 – 2010 Researcher, „Neuroimaging, neurogenomics and pharmacogenomics of the frontal lobe connectivity: normal development and abnormalities in developmental cognitive disorders“, project within UKF programme, in cooperation with School of Medicine, Yale i McGill University

2006 – 2014 Project Leader, “1H-MRS promjene u predviđanju terapijskog odgovora, relapsa i povrata “, Croatian Ministry of Science
2005 – 2009 Member of Steering Committee; “Electronic Neuronal Oscillations and Cognition (ENOC)”; COST project B27
2004 – 2008 Contractor (principal investigator in Croatia), «Genomic based therapies for depression (GENDEP)», European Commission funded scientific project in 6th Framework Program (coordinator: London Institute of Psychiatry, King’s College, London)
2002 - 2006 Project Leader, “Predictive role of genetic loading on therapeutic outcome in treatment of psychoses”, Croatian Ministry of Science
2002 - 2005 Researcher, “Efficacy of health care system in war time period”, Croatian Ministry of Science
2002 - 2006 Researcher, “Are functional psychoses a nosologic entity?”, Croatian Ministry of Science
1996 - 2000 Researcher, “Effects of privatisation to Croatian health care system”, Croatian Ministry of Science
1996 – 2002 Researcher, “Functional psychoses as nosologic entity”, Croatian Ministry of Science
1996 – 2000 Researcher,” Analysis of the Croatian health care system during the war”, Croatian Ministry of Science
1996 - 1999 Researcher, «Development of antemortal database for identification of war victims», Smithsonian Institution and Medical School, University of Zagreb; scientific project approved by US-Croatian Joint Board

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
2018 – Project leader, “1H-MRS spatial correlates of recurrence of depression and conversion to bipolar disorder”, University of Zagreb
2015 – 2018 Project leader, „Multimodal approach to treatment and long-term assessment of depressive disorder by means of magnetic resonance”, Croatian Science Foundation
2017 – 2018 Project leader, „1H-MRS spatial correlates of recurrence of depression “, University of Zagreb
2016 – 2017 Project leader, „1H-MRS spatial correlates of recurrence of depression “, University of Zagreb
2015 – 2016 Project leader, „1H-MRS spatial correlates of recurrence of depression“, University of Zagreb
2014 – 2015 Project leader, „Longitudinal 1H-MRS changes in prediction of therapeutic response, relapse and recurrence of depression“, University of Zagreb

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
6
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mislav Herman, MD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb, Department of Gynaecology and Obstetrics

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Diabetes and pregnancy

BIOGRAPHY

Born on March 21st, 1977, Zagreb, Croatia

Education:
2017-present - subspecialist in maternal-fetal medicine at the Clinical Hospital Center Zagreb, Department of Obstetrics and Gynecology
2015-2017 - fellowship in maternal-fetal medicine at the Clinical Hospital Center Zagreb, Department of Obstetrics and Gynecology
2008-present - OBGY specialist
2004-2008 - residency in obstetrics and gynecology at the Clinical Hospital Center Zagreb, Department of Obstetrics and Gynecology
2004-present - Postgraduate doctoral study "Biomedicine and Health" at the University of Zagreb
1995-2001 - Medical School, University of Zagreb
1991-1995 - High school - XVI. Gymnasium, Zagreb

Work experience:
2017-present - Member of the City Assembly of the City of Zagreb
2016.- present - Chief Medical Officer (CMO) of the Republic of Croatia
2008-present- specialist in University Hospital Centre Zagreb, Department of Gynaecology and Obstetrics
2004-2008 - OBGY resident at University Hospital Centre Zagreb, Department of Gynaecology and Obstetrics
2001-2002 - medical internship at the Clinical Hospital Center "Sisters of Mercy"

In the academic year 1996-1997 and 1997-1998 demonstrator in the Department of Anatomy "Drago Perovic" School of Medicine, University of Zagreb

An Associate of the Department of Obstetrics and Gynecology, School of Medicine, University of Zagreb
2005-2012 - Lecturer in the School of Nursing in Mlinarska street in Zagreb
Lecturer on "Course for pregnant women" in the organization of the Department of Obstetrics and Gynecology of the Clinical Hospital Center Zagreb
Doctor of Croatian waterpolo team

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:
LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


- Herman M, Delmiš J, Ivanšević M, Blajić J, Starčević V, Sokol V. Pregnancy outcome of mothers with diabetic nephropathy. XXXV. Alpe Adria Meeting of Perinatal Medicine (XXVII. Alpe Adria Perinatal Congress), September 20–21, 2013, Bled Slovenia

- Herman M. Gestational Diabetes in Women with PCOS. XXXVI. Alpe Adria Meeting of Perinatal Medicine (XXVIII. Alpe Adria Perinatal Congress), September 26–27, 2014, Klagenfurt, Austria.


Herman M, Djelmiš J, Berberovic E, Horvatiek M, Ivanisevic M. Fatty acid profile in maternal and fetal blood of pregnant women with type 1 diabetes mellitus. DIP 2017 - The 9th International DIP Symposium on Diabetes, Hypertension, Metabolic Syndrome, and Pregnancy, March 8-12, 2017, Palau de Congressos de Catalunya, Barcelona, Spain.

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Herman M. Gestational Diabetes in Women with PCOS. XXXVI. Alpe Adria Meeting of Perinatal Medicine (XXVIII. Alpe Adria Perinatal Congress), September 26–27, 2014, Klagenfurt, Austria.


Herman M, Djelmiš J, Berberovic E, Horvaticke M, Ivanisevic M. Fatty acid profile in maternal and fetal blood of pregnant women with type 1 diabetes mellitus. DIP 2017 - The 9th International DIP Symposium on Diabetes, Hypertension, Metabolic Syndrome, and Pregnancy, March 8-12, 2017, Palau de Congressos de Catalunya, Barcelona, Spain.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018-2022 Scientific project of Croatian Science Foundation "Prevention of hypoglycemia in pregnant women with type I diabetes"

2018. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes”, Support for scientific research (University of Zagreb), PI prof. Marina Ivanišević, PhD

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018-2022 Scientific project of Croatian Science Foundation "Prevention of hypoglycemia in pregnant women with type I diabetes"

2018. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes", Support for scientific research (University of Zagreb), PI prof. Marina Ivanišević, PhD
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Iva Hojsak, Md, PhD, senior research associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Children’s Hospital Zagreb, University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical nutrition

BIOGRAPHY

Iva Hojsak, MD, PhD is pediatric gastroenterologist and head of the Referral Center for Pediatric Gastroenterology and Nutrition, Children’s Hospital Zagreb, Croatia and deputy director of Children’s Hospital Zagreb. She graduated on Medical School of Zagreb, where she also received her PhD degree. She has published more than 120 scientific and clinical papers (100 published in CC cited journals) and has been a co-worker in more than 15 international and Croatian scientific projects.

She was a head of Scientific Committee of the Children’s Hospital Zagreb (2104-2018), ESPGHAN Council Member as Education Secretary (2017-2019), secretary of the ESPGHAN Committee on Nutrition (2012-2018), associate editor of Journal of Pediatric Gastroenterology and Nutrition (since 2014) and board member of ESPGHAN Young Investigators Forum (since 2016).

Her main clinical/research interests include probiotics, intestinal failure and parenteral nutrition and inflammatory bowel disease.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 18/07/2018, postdoctorate, University of Zagreb Medical School

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


17. Pavic I, Babic I, Matijasic N, Hojsak I. Combined multichannel intraluminal impedance-pH monitoring should be used to diagnose reflux-related otitis media with effusion in children. Acta Paediatr 2018;


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

OD 2016
HRZZ project PedIBD - Pediatric inflammatory bowel disease: incidence and natural history, and the role of diet and gut flora in etiopathogenesis

2013 - 2016
Pediatric Inflammatory Bowel Disease; cancer and mortality (PIBD C&M), nacionalni koordinator

2013
Utjecaj protobijak na prevenciju gastrointestinalnih i crijevnih infekcija u djece, suvoditelj

2012
Rezistencija na lijekove u upalnim bolestima crijeva - Pgp i MRP1 ekspressija u crijevnoj sluznici, suradnik

2012
2012 – danas – Utjecaj samoiniciranih dijeti na nutritivni status I tijek bolesti u djece s upalnim bolestima crijeva, mentor doktorata
2008-2009 Utjecaj probiotika u prevenciji gastointestinalnih i respiratorih infekcija u djece, doktorand

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

OD 2016 HRZZ project PedIBD - Pediatric inflammatory bowel disease: incidence and natural history, and the role of diet and gut flora in etiopathogenesis

2013 - 2016 Pediatric Inflammatory Bowel Disease; cancer and mortality (PIBD C&M), nacionalni koordinator

2013 Utjecaj probiotika Bifidobacterium lactis BB12 na prevenciju gastrointestinalnih i crijevnih infekcija u djece, suvoditelj

2012 Rezistencija na lijekove u upalnim bolestima crijeva - Pgp i MRP1 ekspresija u crijevnoj sluznici, suradnik

2012 2012 – danas Utjecaj samoiniciranih dijeta na nutritivni status i tijek bolesti u djece s upalnim bolestima crijeva, mentor doktorata

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

Defended theme of PhD thesis: 2; co-mentor of defended theme of PhD thesis: 1; PhD thesis applied: 1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Marina Horvatiček, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: "Diabetes and Pregnancy", "Physiology and biochemistry of uterus in pregnancy and labour"

BIOGRAPHY

Born 1982. in Zagreb. Graduated in 2007 at Biology department, Faculty of science, University of Zagreb. 2012-2017. PhD degree: University Postgraduate Interdisciplinary doctoral study Molecular Biosciences. 2009-2016. Junior researcher/Scientific fellow at project “Diabetes and metabolic syndrome after previous gestation diabetes”, PI prof. dr. sc. Marina Ivanišević, School of Medicine Zagreb. From 2015. Teaching assistant at Postgraduate Study in Biomedicine and Health Sciences University of Zagreb School of Medicine (Diabetes and pregnancy; Nutritional and respiratory function of the placenta, fetal growth and fetal endocrinology; Physiology and biochemistry of the uterus during pregnancy and delivery)

2016. - 2018. Teaching assistant at Medical chemistry and biochemistry (Graduate medical studies, University of Zagreb School of Medicine)

From 2018. postdoc at Ruđer Bošković Institute.

Attendant at summer school "Mass Spectrometry in Biotechnology and Medicine" 2013. g. and workshop "How to build biobank - learning by doing" 2015. g.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Horvatiček, Marina; Delmiš, Josip; Ivanišević, Marina; Orešković, Slavko; Herman, Mislav. Effect of eicosapentaenoic acid and docosahexaenoic acid supplementation on C-peptide preservation in pregnant women with type-1 diabetes: randomized placebo controlled clinical trial. European journal of clinical nutrition. 71 (2017), 8; 968-972.

Ivanišević, Marina; Horvatiček, Marina; Delmiš, Josip; Herman, Mislav; Starčević, Vito. State referral centre for diabetes in pregnancy biobank. 9th International DIP Symposium on Diabetes, Hypertension, Metabolic Syndrome & Pregnancy. Barcelona, Španjolska, 2017.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

1. Horvatiček, Marina; Delmiš, Josip; Ivanišević, Marina; Orešković, Slavko; Herman, Mislav. Effect of eicosapentaenoic acid and docosahexaenoic acid supplementation on C-peptide preservation in pregnant women with type-1 diabetes: randomized placebo controlled clinical trial. European journal of clinical nutrition. 71 (2017), 8; 968-972.


5. Herman, Mislav; Delmiš, Josip; Berberović, Edina; Horvatiček, Marina; Ivanišević, Marina. Fatty acid profile in maternal and fetal blood of pregnant women with type 1 diabetes mellitus. 9th International DIP Symposium on Diabetes, Hypertension, Metabolic Syndrome & Pregnancy. Barcelona, Španjolska, 2017.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018-2022. "Influence of maternal metabolic state on placental and neonatal serotonin system: from DNA methylation to protein function ", Croatian Science Foundation , PI Jasminka Štefulj, PhD

2017-2018. „Association of maternal emotional state in pregnancy and placental DNA methylation of serotonin-related genes “, Catholic University of Croatia; PI J. Štefulj, PhD

2018. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes”, Support for scientific research (University of Zagreb) , PI prof. Marina Ivanišević, PhD

2017. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes”, Support for scientific research (University of Zagreb) , PI prof. Marina Ivanišević, PhD

2016. „Effect of diet on lipid content and concentration of adipochin in placental tissue”, Support for scientific research (University of Zagreb) , PI prof. Marina Ivanišević, PhD

2016. „Serotonin transporter gene regulation in human placenta and establishment of a biobank for further research “, Catholic University of Croatia; PI J. Štefulj, PhD

2015. „Effect of diet on lipid content in placental tissue“, Support for scientific research (University of Zagreb) , PI prof. Marina Ivanišević, PhD

2009-2016. Junior researcher/Scientific fellow at project “Diabetes and metabolic syndrome after previous gestation diabetes”, PI prof. dr. sc. Marina Ivanišević, School of Medicine Zagreb.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018-2022. "Influence of maternal metabolic state on placental and neonatal serotonin system: from DNA methylation to protein function ", Croatian Science Foundation , PI Jasminka Štefulj, PhD

2017-2018. „Association of maternal emotional state in pregnancy and placental DNA methylation of serotonin-related genes “, Catholic University of Croatia; PI J. Štefulj, PhD

2018. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes”, Support for scientific research (University of Zagreb) , PI prof. Marina Ivanišević, PhD
2017. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes“, Support for scientific research (University of Zagreb), PI prof. Marina Ivanišević, PhD

2016. „Effect of diet on lipid content and concentration of adipochin in placental tissue“, Support for scientific research (University of Zagreb), PI prof. Marina Ivanišević, PhD

2016. „Serotonin transporter gene regulation in human placenta and establishment of a biobank for further research“, Catholic University of Croatia; PI J. Štefulj, PhD

2015. „Effect of diet on lipid content in placental tissue“, Support for scientific research (University of Zagreb), PI prof. Marina Ivanišević, PhD

2009-2016. Junior researcher/Scientific fellow at project “Diabetes and metabolic syndrome after previous gestation diabetes”, PI prof. dr. sc. Marina Ivanišević, School of Medicine Zagreb
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. Prof. Maja Hrabak Paar

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Medical Image Analysis

BIOGRAPHY

Education

• 2018 European diploma in cardiovascular radiology
• 2009 PhD degree in medical sciences at the University of Zagreb School of Medicine, Croatia; dissertation title: Abdominal fat measurement in patients with morphological changes of the aorta on MSCT angiography
• 2004-2008 radiology residency at the University Hospital Center Zagreb, Croatia
• 2003-2006 postgraduate programme “Biomedicine and Health Sciences” at the University of Zagreb School of Medicine, Croatia
• 1996-2002 undergraduate education at the University of Zagreb School of Medicine, Croatia

Work Experience

• 2018 – head of Division for urogenital radiology, Department of diagnostic and interventional radiology, University Hospital Center Zagreb
• 2017 – member of the Education & EBCR Committee of the European Society of Cardiovascular radiology (ESCR)
• 2016 – president of the Section for cardiac radiology, Croatian Society of Radiology
• 2016 – assistant professor at the Department of Radiology, University of Zagreb School of Medicine
• 10/2014 - 09/2015 Marie-Curie fellow at the University Hospital Basel, Switzerland
• 2009-2016 postdoctoral researcher/senior assistant at the University of Zagreb School of Medicine, Department of Radiology
• 2008 – board certified radiologist at the University Hospital Center Zagreb
• 2003-2009 research fellow/teaching assistant at the University of Zagreb School of Medicine, Department of Radiology
• 2002-2003 intern (Croatian Institute of Public Health, University Hospital Center Zagreb)
• 1999-2001 demonstrator at the Department of pathophysiology, School of Medicine
• 1997-1999 demonstrator at the Department of pathophysiology, School of Medicine

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: Nov 7, 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Papers published in journals indexed in Current Contents:


Papers published in journals indexed in Scopus/EMBASE:


Other papers:


Book chapters:


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2014-2016 project manager „Cardiovascular remodeling in patients with arterial hypertension (CARAHY)“, New International Fellowship Mobility Programme for Experienced Researchers in Croatia – NEWFELPRO, co-financed through the Marie Curie FP7-PEOPLE-2011-COFUND program

2007-2013 researcher on the project “Perception and prevention of cardiovascular risk factors in Croatia” (No. 108-1080134-0121, principal investigator professor Željko Reiner), supported by the Croatian Ministry of Science, Education and Sports

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2014-2016 project manager „Cardiovascular remodeling in patients with arterial hypertension (CARAHY)“, New International Fellowship Mobility Programme for Experienced Researchers in Croatia – NEWFELPRO, co-financed through the Marie Curie FP7-PEOPLE-2011-COFUND program

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Tvrtko Hudolin, MD, PhD, Assistant Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Urology, KBC Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Kidney transplantation

BIOGRAPHY

Date of birth: 10.11.1972
Place of birth: Vinkovci, Croatia

Education

1998 MD, Medical School in Zagreb, Zagreb, Croatia
2004 PhD, Medical School in Zagreb, Zagreb, Croatia
2011 Research Associate Medical School in Zagreb, Zagreb, Croatia
2011 Senior Research Associate Medical School in Zagreb, Zagreb, Croatia
2013 Scientific Advisor to the Medical School of Zagreb, Zagreb, Croatia
2015 Senior Assistant of Urology Clinic, Medical School in Zagreb, Zagreb, Croatia
2016 Assistant Professor, Urology Clinic, Medical School in Zagreb, Zagreb, Croatia

Work experience:

1998 - 01 Volunteer, Department of Surgery, Institute of Tumors, Zagreb, Croatia
2001 - 07 Urology Specialization, Urology Clinic, KBC Zagreb, Zagreb, Croatia
2005 - 06 Urology Clinic, Basel University Hospital, Basel, Switzerland
2007 - Urology Clinic, KBC Zagreb, Zagreb, Croatia
2008-2009 Urology Clinic, Memorial Sloan-Kettering Cancer Center, New York, USA
2012 Urology Clinic, Mayo Clinic, Rochester, Minnesota, USA


Assistant Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2005 - 2006 Characterization of CTL immune activity against BKV large T antigen in BKV seropositive HLA-A2*0201 prostate cancer patients. Department of Urology, Clinical Hospital Basel, Basel, CH

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mirjana Huic, MD, MSc, PhD, specialist in clinical pharmacology and toxicology

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Agency for Quality and Accreditation in Health Care and Social Welfare, Department for Development, Research and Health Technology Assessment till 31/12/2018; from 01/01/2019 Ministry of Health due to merging the Agency with MoH

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Evidence-based medicine

BIOGRAPHY

EDUCATION

1983-1989: Zagreb University School of Medicine, Zagreb, Croatia;
1989-1990: Postgraduate study “Allergology and Clinical Immunology”, Zagreb University School of Medicine, Zagreb, Croatia;
1996-2002: Resident in Clinical pharmacology and toxicology, Section of Clinical Pharmacology, Department of Medicine, Zagreb University Hospital Center, Zagreb, Croatia;
2000-2001: Postgraduate study “Clinical pharmacology”, Zagreb University School of Medicine, Zagreb, Croatia;

Academic Degrees:

1989: MD, Zagreb University School of Medicine, Zagreb, Croatia
1996: MSc, Zagreb University School of Medicine, Zagreb, Croatia
2013: PhD (“Completness and Changes in Registered Data and Reporting Bias of Randomized Controlled Trials in ICMJE Journals after Trial Registration Policy”), Split University School of Medicine, Split, Croatia

Mirjana Huic is a medical doctor and specialist in clinical pharmacology and toxicology. She represents Croatia in the European HTA Network and serves as a WHO national HTA focal point. Since 2009, as the Assistant Director in Croatian Agency for Quality and Accreditation in Health Care and Social Welfare and Head of Department for Development, Research and HTA, she is responsible for establishing a transparent, evidence-based HTA process in Croatia. Since 2010 she actively participated in different EUnetHTA scientific work and production of European joint HTA reports on the whole range of health technologies. Previously she worked as a clinician, clinical trials investigator and lecturer at the UHC Zagreb. She participated in different national and international scientific projects and is the author or co-author of numerous scientific articles, book chapters, international and national HTA Reports.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


needs a central, transparent, and evidence based regulation process for devices. BMJ. 2013 May 7;346:f2771. doi: 10.1136/bmj.f2771.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

National projects (Co-investigator on national projects financed by Croatian Ministry of Sciences, Education and Sport):

- Influence of illness to drugs pharmacokinetics;
- Influence of rotation of antimicrobials drugs to bacterial resistance;
- RegPok.hr-Croatian clinical trials register.

International projects:

- TAIEX Project, 2010, organized by the Technical Assistance Information Exchange Instrument of the European Commission (TAEX) in co-operation with Croatian HTA Department: 2 days Workshop - “Health Technology Assessment; main principles, HTA process and report”; FP7 EQUIPT project (European-study on Quantifying Utility of Investment in Protection from Tobacco);
- EUnetHTA Joint Action 1 Project, EUnetHTA and European Commision, European Commision and European HTA Agencies;
- EUnetHTA Joint Action 2 Project;
- EUnetHTA Joint Action 3 Project;
- Obzor2020 SELFIE (Sustainable integrated care models for multi-morbidity: delivery, Financing and performance) project.
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

FP7 EQUIPT project (European-study on Quantifying Utility of Investment in Protection from Tobacco);

EUnetHTA Joint Action 1 Project, EUnetHTA and European Commision, European Commision and European HTA Agencies;

EUnetHTA Joint Action 2 Project;

EUnetHTA Joint Action 3 Project;

Horizont2020 SELFIE (Sustainable intEgrated care modeLs for multi-morbidity: delivery, Financing and performance) project.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Renata Huzjan Korunić

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Dubrava

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Application of Doppler in research and diagnosis of blood vessels

BIOGRAPHY

Contact information
Address: Martićeva 73, Zagreb, Croatia
phonel. ++385 91 513 0582
E-mail: rhuzjan@yahoo.com
Croatian Scientific Bibliography (CROSBI) 345865
Datum i mjesto rođenja: 13/3/1973, Zagreb, Croatia

Education
4.4.2014. Subspecialty Ultrasound
18.4.2008. Board examined radiologist
31.5.2007. Masters degree – Medical School University of Zagreb
2004-2005. Education in breast imaging - 6 months “The Applicability of the Breast Imaging Reporting and Data System to Mammographic detection of Breast Cancer in Southeast Europe”, Memorial Sloan Kettering Cancer Center, New York, SAD
2003 “Color Doppler in extracranial and intracranial circulation” theoretical and practical course, Clinical Hospital “Sestra milosrdnice” Zagreb
2000-2001. Scientific postdoctoral study “Zaštita majke i djeteta” Medical School University of Zagreb
2001 “Ultrasound in diagnosis of perinatal brain damage” theoretical and practical course, Childrens Hospital Zagreb
1991-1997. Medical School University of Zagreb

Radno iskustvo
2008.- today Radiologist, University Hospital Dubrava
2002.- 2008. Residency in radiology University Hospital Dubrava Zagreb

Memberships
Croatian Medical Chamber, Croatian radiological Society, Radiological Society of North America, European Society of radiology

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 05 September 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Magistarski rad: “Ispitivanje arterijske cirkulacije podlaktice i radijalne arterije color dopplerom u preoperativnoj i postoperativnoj obradi bolesnika s koronarnim premoštenjem premosnicom radijalne arterije”, Medicinski fakultet Sveučilišta u Zagrebu. Datum obrane 27. studenog 2006.g. Mentor: Prof. dr. sc. Boris Brkljačić.


Brkljacic B, Miševic T, Huzjan R, Brajcic H, Ivanac G. Duplex Doppler Ultrasound in the detection of lower extremities deep venous thrombosis and in the detection of alternative findings. Coll Antropol 2004;28:761-7


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER: 641

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Dr Dusko ILIC, Reader in Stem Cell Science

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: King’s College London

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Human reproduction

BIOGRAPHY

Dr Dusko Ilic obtained his MD degree and BSci in Molecular Biology at the University of Belgrade. After receiving a PhD degree at the Tokyo University, Japan, he did postdoctoral work at the University of California in San Francisco. He held position of Adjunct Associate Professor at the University of California San Francisco and Consultant at the Veteran Affairs Medical Center, San Francisco. He also worked as the Director of R&D at California-based company StemLifeLine. Since 2009, he works at King’s College London. He is also a co-founder and CSO of VitroLabs, CA, USA.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2014

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- 114 peer-reviewed publications, h-index 36;
- Since 2014: 52 peer-reviewed publications, including two in Stem Cell Reports (IF = 7.338) and one in Human Reproduction Update (IF = 11.366) as a senior author and two in Nature (IF = 41.458) and two in Nature Cell Biology (IF = 19.679) as a co-author.
- Three most significant outputs in the fields of embryology since 2014:
  The first RNAseq analysis of human monozygotic twins at Day 6 of development points to the key role of IGF-1 signalling in growth of inner cell mass of embryo.
  Analyses of 176 twin embryos created by splitting of 88 human embryos from either early (2–5 blastomeres) or late (6–10 blastomeres) cleavage stages suggested that the human preimplantation development is subjected to a strict temporal control. This is the first time shown that humans have “developmental clock”
  3) Concise review hESC - What have we done? What are we doing? Where are we going? published in Stem Cells in 2017 was one of the journal’s top 20 most downloaded papers (5247 downloads with the first 12 months of online publication). I am a lead author.

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

2014


2017

**Ilic D, Ogilvie C:** Concise Review: hESC - What have we done? What are we doing? Where are we going? *Stem Cells* 2017;35:17-25. doi: 10.1002/stem.2450


2018


**Ilic D**, Telfer EE, Ogilvie C, Kolundzic N, Khalaf Y. What can stem cell technology offer to IVF patients? *BJOG* In press.

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

- Effect of maternal metabolic intrauterine environment on fetal methylome
- Embryo twinning
- Effects of maternal obesity on child
- Developing embryo and foetus
- Fertility preservation for women undergoing cancer treatment

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

In addition to above:

- Full thickness skin models from human pluripotent stem cells for identification and testing effectiveness of personalized therapies in atopic dermatitis

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

Eight PhD students
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. prof. Gordana Ivanac
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Application of Doppler in research and diagnosis of diseases of blood vessels, Hand surgery; Morphological research methods in biomedical sciences; Advanced ultrasonography in gastroenterology and hepatology;

BIOGRAPHY
MD, PhD, specialist radiologist, scientific advisor, assistant professor of radiology
Author in 20 articles in journals cited in WOS, number of citations: 140; invited speaker at more than 20 domestic and international meetings, including European radiology congresses and Euroson ultrasound congresses
5.9.2018. scientific advisor in biomedicine and health, Ministry of Science of Croatia
2005-16 Eight educational courses organized by European Society of Radiology
7/2015 – full docent/ass.proff, Radiology Cathedra, University of Zagreb School of Medicine
2014- Euroson 2014 Tel Aviv, IS – award for the best scientific presentation
April 2013.– Clinical observership, Department of Radiology, Memorial Sloan-Kettering Cancer Center, New York City, NY, USA
30.1.2013. senior research associate in biomedicine and health, Ministry of Science of Croatia
2011. fellowship, University of Szeged, HU, „Teach the teachers“ programme of European Society of Radiology
12.7.2010. elected as docent / ass.professor honoris causa, Cathedra for Radiology, University of Zagreb School of Medicine
17.11.2009. elected as research associate, Ministry of Science of Croatia
2009. Subspecialty exam in ultrasonography in radiology, Univ.Hospital „Dubrava“
14.12.2006. Board exam in radiology, University Hospital „Dubrava“
2004-2005 Specialty postgraduate study in radiology, University of Zagreb School of Medicine
1998-2000 Scientific Postgraduate Course in Biomedical Sciences, University of Zagreb School of Medicine
1987-1991 High School / Mathematical Gymnasium, Zagreb
Work experience:
Since 2014 – section head for Diagnostic Radiology, Department of Diagnostic and Interventional Radiology, Univ.Hospital „Dubrava“, Zagreb
2012-2014- section head of Breast and Musculoskeletal Radiology Unit of the Department
2007-2009 fellowship in ultrasound in radiology, Univ.Hospital „Dubrava”

Since 2006- board certified radiologist, Department of Diagnostic and Interventional Radiology, Univ.Hospital „Dubrava”, Zagreb

2001-2006 – residency in radiology, UH Dubrava, Zagreb

1999-2001- research assistant at scientific project funded by Ministry of Science of Crotia „Tumors in thyroid autoimmune diseases”, PI Franjo Škreb, Nuclear Medicine Division, Univ.Hospital Dubrava, Zagreb

1998-1999 Internship, Hospital for Lung Diseases, Zagreb

Memberships and functions

Croatian Medical Association, Croatian Society for Ultrasound in Medicine and Biology – vice president, Croatian Society of Radiology 2nd vice president, European Society of Radiology, European Society of Breast Imaging, European Society of Urogenital Radiology, Central European Vascular Forum, European Society of Skeletal Radiology

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 20.7.2015.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Researcher on project funded by Ministry of Science 2007-14 „Doppler and MSCT in diseases of kidneys and blood vessels” 108-1080232-0141, PI Boris Brkljačić; 2015-16

External associate at FP7 project „Glow Brain” (REGPOT-2012-CT2012-316120), PI Srečko Gajović;

Scientific investigator on project “ Sonoelastography and MRI in diagnosis and treatment of the breast cancer” supported by Croatian Science Foundation IP-2016-06-2997 University Hospital Dubrava, Zagreb(2016-)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Scientific investigator on project “ Sonoelastography and MRI in diagnosis and treatment of the breast cancer” supported by Croatian Science Foundation IP-2016-06-2997 University Hospital Dubrava, Zagreb(2016-)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: prof. Marina Ivanišević, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine, Women’s Clinical Hospital, University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: "Diabetes and Pregnancy", "Physiology and biochemistry of uterus in pregnancy and labour"

BIOGRAPHY

EDUCATION

1994-1996. Postdoctoral study, Fogarty Fellowship; Name of the institution: UCLA, Los Angeles
1989. PhD.; Name of the institution: New York Hospital, Cornell University Medical College, Fulbright fellowship. University of Zagreb School of Medicine
1986 Master postgraduate studies in "Allergology and clinical immunology"; University of Zagreb School of Medicine
1982 Doctor of medicine (MD): University of Zagreb School of Medicine

Employment

2016 – Position: Full Professor tenure of Obstetrics and Gynecology; University of Zagreb School of Medicine
2009 – Position: Head of Unit for diabetes and fetal growth, Women’s Clinical Hospital, University Hospital Centre Zagreb
1989 – Position: Cumulatively employed as Assistant at the School of Medicine (Department for Obstetrics and Gynecology) and University Hospital Centre Zagreb (Women’s Clinical Hospital, Department for diabetes in pregnancy)
1985 – 1989 Position: Obstetrics and Gynecology residency, Women’s Clinical Hospital, University Hospital Centre Zagreb

Previous employments

1982 – 1985 Position: General Practitioner, Primary Health Care Center, Zagreb

FELLOWSHIPS AND AWARDS

1994 – 1996 Fogarty fellowship, Postdoctoral study, UCLA, Los Angeles, SAD
1987 – 1988 Doctoral study, Fulbright fellowship; Cornell University Medical College, New York, SAD

SUPERVISION OF GRADUATE/ DOCTORAL STUDENTS AND POSTDOCTORAL RESEARCHERS

1. Sokol Karadjole, Vesna. „Adequacy of low- molecular- weight heparin prophylaxis in pregnant women with hereditary trombophilia as a cause of recurrent pregnancy loss“. University of Zagreb School of medicine, 2018.


Mentor of master thesis:

1. Radončić, Erden. “Lupus anticoagulant in pregnant women with retained abortion”. University of Zagreb School of Medicine, 1999.

TEACHING ACTIVITIES

2016 – Position: Full Professor tenure of Obstetrics and Gynecology, at Undergraduate and Graduate Study of Medicine in Croatian and English, Postgraduate study “Biomedicine and Health”. University of Zagreb School of medicine

2011 – 2015: Cumulatively employed as Full Professor of Obstetrics and Gynecology at the School of Medicine (Department Obstetrics and Gynecology) and University Hospital Centre Zagreb (Women’s Clinical Hospital)

2000 – 2011: Cumulatively employed as Associate Professor of Obstetrics and Gynecology at the School of Medicine (Department Obstetrics and Gynecology) and University Hospital Centre Zagreb (Women’s Clinical Hospital)

1994 – 1999: Cumulatively employed as Assistant professor at the School of Medicine (Department Obstetrics and Gynecology) and University Hospital Centre Zagreb (Women’s Clinical Hospital)

1990: Cumulatively employed as Assistant at the School of Medicine (Department Obstetrics and Gynecology) and University Hospital Centre Zagreb (Women’s Clinical Hospital)

ORGANISATION OF SCIENTIFIC MEETINGS (conferences, congress, symposia)

Head and lecturer in courses for continuous medical education: Improvements in Perinatology, Prostaglandins in gynecology, obstetrics and related areas, New insights into the placenta, Hypertension and pregnancy, Diabetes and pregnancy, Neurological diseases and pregnancy, Emergencies in obstetrics and gynecology, Ultrasound in obstetrics and fetal medicine as well as Ultrasound in fetal cardiology.

ORGANISATIONAL RESPONSIBILITIES

2015-now: member of two committee (University of Zagreb School of Medicine):

- Committee for continuous professional medical education
- Committee for Student’s Scientific Research

MEMBERSHIPS (e.g. scientific committees or associations; evaluation committees, editorial boards; etc.; specify the year and name of the institution) (if applicable):

2017- now: First Vice President of the Croatian Perinatal Association
2014- now: Associate member of Diabetes Pregnancy Study Group of European Association for the Study of Diabetes EASD

2014- now: A member of the Agency for Research of the European Commission (Research Executive Agency) as an expert for the evaluation of the program Horizon 2020


1986. Member of Croatian Perinatal Association

President of the Croatian Perinatal Fund


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


653


Author of books:

Đelmiš, Josip; Desoye, Gernot; Ivanišević, Marina (ur.). Diabetology of Pregnancy Basel : Karger, 2005 (priručnik).


Book chapters:
17. Đelmiš, Josip; Ivanišević, Marina; Mayer, Davor; Tuzović, Lea; Starčević, Vito; Ilijić, Marcela.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Project leader in Croatian Science Foundation: „Prevention of hypoglycemia in pregnant women with type 1 diabetes“, (IP-01-2018)

Collaborator: "Influence of maternal metabolic state on placental and neonatal serotonin system: from DNA methylation to protein function ", Croatian Science Foundation (IP-01-2018), PI Jasmina Štefulj, PhD

Project leader in Croatian Ministry of Science, Education and Sports projects:
2009-2014: "Diabetes and metabolic syndrome after previous gestational diabetes"
2002-2006: “Hypertension and pregnancy”

Collaborator in Croatian Ministry of Science, Education and Sports projects:
2007-2013: "Metabolic and endocrine changes in diabetic pregnant women (Pl: prof. Josip Đelmiš, PhD)
1997-2006: "Diabetes and pregnancy" (Pl: prof. Josip Đelmiš, PhD)

Collaborator in Catholic University of Croatia projects:
2017. Association of maternal emotional state in pregnancy and placental DNA methylation of serotonin-related genes (Pl J. Štefulj, PhD)
2016. Serotonin transporter gene regulation in human placenta and establishment of a biobank for further research (Pl J. Štefulj, PhD)

Project leader of Support for scientific research (University of Zagreb):
2018. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes”
2017. “Prevention of hypoglycemia in pregnant women and puerperas with diabetes type 1”
2016. “The effect of diet on lipid content and adipokines concentration in placental tissue”

Project investigator and principal investigator in Clinical trials Novonordisk A/S:
2007-2010: A randomised, parallel-group, open-labeled, multinational trial comparing the efficacy and safety of insulin Detemir (Levemir®), versus human insulin (NPH insulin), used in combination with insulin Aspart as bolus insulin in the treatment of pregnant women with type 1 diabetes.

Project co-investigator in Clinical trials Novonordisk A/S:
2002-2006: A randomised, parallel-group, open-label, multinational trial comparing the safety and efficacy and insulin Aspart (NovoRapid®) versus Human Insulin (Actrapid®) used in a multiple injection regimen in the treatment of pregnant women with type 1 diabetes focusing on maternal hypoglycemia and pregnancy outcome.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Project leader in Croatian Science Foundation: „Prevention of hypoglycemia in pregnant women with type 1 diabetes“, (IP-01-2018)
Collaborator: "Influence of maternal metabolic state on placental and neonatal serotonin system: from DNA methylation to protein function ", Croatian Science Foundation (IP-01-2018), PI Jasmina Štefulj, PhD

Project leader in Croatian Ministry of Science, Education and Sports projects:
2009-2014: "Diabetes and metabolic syndrome after previous gestational diabetes"

Collaborator in Catholic University of Croatia projects:
2017. Association of maternal emotional state in pregnancy and placental DNA methylation of serotonin-related genes (PI J. Štefulj, PhD)
2016. Serotonin transporter gene regulation in human placenta and establishment of a biobank for further research (PI J. Štefulj, PhD)

Project leader of Support for scientific research (University of Zagreb):
2018. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes”
2017. “Prevention of hypoglycemia in pregnant women and puerperas with diabetes type 1”
2016. “The effect of diet on lipid content and adipokines concentration in placental tissue”

Project investigator and principal investigator in Clinical trials Novonordisk A/S:
2013-2018. EVOLVE study Birth registry of diabetic women – non interventional study NN340-4016. t of pregnant women with type 1 diabetes focusing on maternal hypoglycemia and pregnancy outcome.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 6
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Davor Ivanković, MD, PhD, Professor (retired)

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Retired professor

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY:

1. Statistical Analysis of Medical Data
2. Medical Statistics 2.1: Statistical tools for medical data analysis in planned experimental study design
3. Medical Statistics 2.2: Statistical tools for medical data analysis in quasi-experimental study design
4. Medical Statistics 2.3: Statistical tools for medical data analysis in observational study design with large samples
5. Medical Statistics 2.4: Statistical tools for medical data analysis in observational study design with small samples

BIOGRAPHY

Born in Sisak, 1945. Retired professor-reelected of Medical statistics in the Department for medical statistics, epidemiology and medical informatics, A. Stampar School of Public Health, Medical School, University of Zagreb. Education and training:


First WHO Training Course in Quality Assurance, Barcelona, Spain

Third WHO Training Course in Quality Assurance, Aranđelovac

Professional experience: Since 1971 affiliated with Andrija Stampar School of Public Health, Medical School, University of Zagreb as Assistant, Senior lecturer, Associate Professor (1987), Professor (1997) and Professor-reelected (2003) of Medical Statistics. Temporary adviser to WHO-Euro 1983-1986.

Research activities: MSc 1976. PhD 1986. Over first 35 professional years co-investigator and principal investigator in numerous research programmes financed from local or foreign funds and since 2006 co-investigator in research project “How to measure health?” and “Regionalism of behavioral cardiovascular risks – intervention model”, financed by the Ministry of science, technology and education, RH. Mentored more than 10 PhD Theses.

Publications: 46 papers in CC indexed journals, 35 u other index publications, 18 other papers, 42 congress reports, 6 professional projects, 1 textbook, 1 textbook for PhD students (5 eds.), 12 teaching materials. Over 160 independent citations.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Siniša Ivanković, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Laboratory animals in biomedical research

BIOGRAPHY

Personal data
Address: Odakova 7, Zagreb
Date and place of birth: July 7, 1964, Virovitica, Hrvatska
Nationality: Croatian

Education
- Doctor of Veterinary Medicine (DMV), University of Zagreb, Faculty of Veterinary Medicine, 1993
- MSc in Natural Sciences – Biology-Biomedicine, University of Zagreb, Faculty of Science, 1999
- PhD in Biomedical Sciences – University of Zagreb, Faculty of Veterinary Medicine, 2006
- Certification for work with experimental animals: LabAnim 3 – Laboratory Animal Science Course, FELASA cat. C equivalent, 2012

Employment
- Ruđer Bošković Institute, Division of Molecular Medicine, research assistant, 1999 – 2001
- Ruđer Bošković Institute, Division of Molecular Medicine, research assistant (scientific novice), 2002 – 2006
- Ruđer Bošković Institute, Division of Molecular Medicine, senior research assistant, 2006 – 2009
- Ruđer Bošković Institute, Division of Molecular Medicine, Senior adviser in science – research associate 2009, senior research associate 2011, senior scientist in biomedicine 2013

Research activities
Mr.sc. - Antitumoral effects of Newcastle disease virus: Faculty of Science, Division of Biology, University of Zagreb, 1999.
PhD - Antitumoral effects of lentogenic strains of Newcastle disease virus in presence of manganese, dexamethasone and indomethacine: Faculty of Veterinary Medicine, University of Zagreb, 2006.

Publications
- link on CROSBI profile: http://bib.irb.hr/lista-radova?autor=243083&lang=EN
28 publications in peer reviewed journals, of which 18 in journals indexed in Current Contents, 1 conference paper with international peer-review, 14 abstract at international and national conferences

Mentorship
Supervisor of 3 PhD theses and co-supervisor of 5 graduation thesis, 1 master and 1 PhD thesis

Teaching activities
2012-...” Animal models of rodents in experimental oncology”, collaborator, Postgraduate studies at Faculty of Science, University of Zagreb
2011-... “Laboratory animals in biomedical research”, collaborator, Postgraduate studies at Faculty of Medicine, University of Zagreb

2011-... „Animal models in experimental oncology“, collaborator, Postgraduate studies at Faculty of Medicine, University of Zagreb

2008-... „In vitro and in vivo studies of bioactive substances “, collaborator Postgraduate studies at the School of Dental Medicine, University of Zagreb

2007/2008 „Biology of tumor cells and tumor markers“, Collaborator, Undergraduate studies at Faculty of Pharmacy and Biochemistry, University of Zagreb

2001-2003 „Experimental oncology“, Collaborator, postgraduate studies, Faculty of Medicine, University of Osijek

Awards

Award of RBI for published scientific paper: PloS ONE 7(6): e39030. doi:10.1371/journal.pone.0039030 (2012); cover sheet of CC journals: Collection of Czechoslovak Chemical Communications 74 (2009)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- New therapeutic models in the treatment of malignant diseases
- Therapeutic effects of mushroom extracts, 2006-2009
- Antitumorous effects of viruses and oncolytic viral vaccines, 2002-2006
- 90 Day Oral Toxicity Study in Mice - performed for Medigence LLC, Chapel Hill, U.S.A., 2003
- Antitumorous effects of Newcastle disease virus, 1999-2001

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

New therapeutic models in the treatment of malignant diseases
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant Professor Alan Ivković

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of Molecular Biology in Medicine

BIOGRAPHY

Dr. Ivković graduated from the School of Medicine in Zagreb in 1999. His residency in orthopaedic surgery started in 2002, and he passed specialist exam in 2007. He obtained PhD degree in biomedical sciences in 2009, and the topic of his thesis was application of gene therapy in articular cartilage repair. Currently he is a consultant orthopedic surgeon at the University Hospital Sveti Duh in Zagreb. He is also assistant professor at the Department of Biotechnology University of Rijeka where he teaches regenerative medicine and tissue engineering. He also has academic affiliations with School of Medicine University of Zagreb and with faculty of Health Sciences in Zagreb. He authored numerous scientific articles published in peer-reviewed journals, as well as numerous chapters in books and encyclopedias. As an International Fulbright Fellow he spent academic year 2007/2008 in the Center for Molecular Orthopaedics at Harvard University in Boston, USA. He is a recipient of numerous domestic and international fellowships and awards. During his career he visited numerous international teaching institutions and participated in various courses, including those in Boston, Chicago, Amsterdam, Freiburg, Munich and Basel. His professional focus is adult lower extremity reconstructive surgery (including joint replacement and soft tissue surgery), as well as bone and cartilage tissue engineering. He is a team leader of the Croatian partner in the international consortium within EU FP7 project BIO-COMET (Bioreactor-based, clinically oriented engineering of tissues) and HORIZON 2020 project BIO-CHIP (Bioengineered grafts for cartilage healing in patients). He is a board member of the Croatian Orthopaedic Society and the national EBOT (European Board of Orthopaedic Surgery) delegate. As an official physician of the Croatian Water Polo Federation he participated in 2012 London Olympic Games (gold medalist), European Championships in Zagreb 2010 (gold medalist) and World Championships in Melbourne 2007 (gold medalist).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: April 7th 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

2005 – PRESENT (ASSOCIATE RESEARCHER): TREATMENT OF LARGE JOINT DEFECTS AND DISEASES, PROF. MIROSLAV HASPL (LEADER)

2004 – PRESENT (ASSOCIATE RESEARCHER): GENE THERAPY OF THE MINERALIZED TISSUES, ACADEMICIAN MARKO PECINA (LEADER)

2011 – PRESENT (LEADER OF THE GROUP): FP7 PROJECT - Bioreactor-based, Clinically Oriented Manufacturing of Engineered Tissues”


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

2011 – PRESENT (LEADER OF THE GROUP): FP7 PROJECT - Bioreactor-based, Clinically Oriented Manufacturing of Engineered Tissues”


**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Oleg Jadrešin, MD, MSc

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Children’s Hospital Zagreb, Klaičeva 16, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical nutrition

BIOGRAPHY

Date of birth: 1st February 1969
Nationality: Croat
Address: Ladučka 33, 10000 Zagreb, Croatia
Phone: + 385 91 8853265
E-mail: oleg.jadresin@gmail.com

Current position: Pediatric Gastroenterologist, Referral Center for Pediatric Gastroenterology and Nutrition, Children’s Hospital Zagreb, Klaićeva 16, 10000 Zagreb, Croatia

EDUCATION

1975-1983 Primary school, Zadar, Croatia
1983-1987 Secondary school, Zadar, Croatia
1988-1994 Medical School University of Zagreb
1997 State Exam, Ministry of Health, Republic of Croatia
2000-2003 Residentship in Pediatrics
2005-2007 Pediatric gastroenterology

FOREIGN LANGUAGES: English, German

WORKING EXPERIENCE

1995-1997 Internship
1997-1998 Health Care Centers, Emergency and Family Medicine Departments
1998-2000 Research Fellow, scientific project “Coeliac disease in children”, Referral Center for Paediatric Gastroenterology and Nutrition, Children’s Hospital Zagreb
2000-2003 Pediatric resident, Children’s Hospital Zagreb
2003-2007 Pediatrician, Children’s Hospital Zagreb
2007- Pediatric Gastroenterologist, Children’s Hospital Zagreb

POSTGRADUATE EDUCATION

- Postgraduate Study „Health Care of Mother and Child“, Medical School, University of Zagreb (1998-1999)
- Postgraduate study “Medical Sciences“, Medical School, University of Zagreb (2000-2001)
- Deutscher Akademischer Austauschdienst (DAAD), grant „Dr. von Haunersches Kinderklinik und Kinderpoliklinik“, Ludwig Maximillians Universität, München, Abteilung für Gastroenterologie und Hepatologie (10/8/2009 – 31/1/2010), menthor: Professor Sibylle Koletzko
Postgraduate courses (main)
- European Society for Parenteral and Enteral Nutrition (ESPEN) - Basic Course of Parenteral and Enteral Nutrition, Budapest (2000)
- ESPGHAN Summer School “Advances in Pediatric Gastroenterology, Hepatology and Nutrition”, Zagreb (2001)
- ESPGHAN Summer School “From Bench to Bedside in Pediatric Gastroenterology», Helsingør (2005)
- Pediatric Esophageal Diseases School, Children’s Hospital, University Hospital Center Ljubljana, Slovenia (2010)
- High Resolution Manometry and Impedance-pH MMS Pediatric Training Course, Enschede, Netherlands 2011.
- ESPGHAN Pediatric Hepatology Summer School, Salerno, 2014.
- Ultrasound in Gastroenterology, Medical School University of Zagreb, Zagreb, 2014.

Membership: Croatian Medical Association, Croatian Medical Chamber, Croatian Pediatric Society, Croatian Society for Pediatric Gastroenterology, Hepatology and Nutrition, European Society for Pediatric Gastroenterology, Hepatology and Nutrition (ESPGHAN)

Reviewer: Journal of Pediatric Gastroenterology and Nutrition, Paediatrica Croatica

Main interest: cystic fibrosis, pancreatology, pediatric hepatology

Skills: upper gastrointestinal endoscopy, esophageal dilatation, percutaneous endoscopic gastrostomy, percutaneous liver biopsy, esophageal multichannel intraluminal impedance

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Original papers


Published poster presentations


37. Trivić I, Mišak Z, Jadrešin O, Kolaček S, Hojsak I. Rano postavljanje dijagnoze funkičkog gastrointestinalnog poremećaja u djece povećava vjerojatnost rezolucije simptoma. Paediatr Croat 2018(Suppl 2);133


41. Mazalin A, Jadrešin O, Hojsak I, Kolaček S, Mišak Z. Određivanje genske predispozicije za celijakiju članovima uže obitelji oboljele djece. Paediatr Croat 2018(Suppl 2);140


43. Trivić I, Jadrešin O, Jaklin Kekez A, Mišak Z, Hojsak I, Kolaček S. Wilsonova bolesti tijekom 10-godišnjeg razdoblja rada tercijarnog centra. Paediatr Croat 2018(Suppl 2);142-143


45. Mašić M, Jadrešin O, Milić N. Herpetični ezofagitis u dvogodišnjem djeteta. Paediatr Croat 2018(Suppl 2);146


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:
FIRST NAME, LAST NAME AND THE TITLE OF THE TEACHER: INES JAJIĆ, MD, PHD, scientific associate

NAME OF THE COURSE/MODULE THAT SHE TEACHES AT THE DOCTORAL PROGRAMME: Multiresistant bacteria associated with nosocomial infections

BIOGRAPHY

PERSONAL INFORMATION:
Vinogradska 29
10000 Zagreb
Tel.
Mob. 099/378 7026
e-mail adress: ines.jajic@kbcsm.hr

EDUCATION
1987 School of Medicine, University of Zagreb
1988 Postgraduate Education course in epidemiology, School of Medicine, University of Zagreb
1990 Postgraduate Education course in Medical microbiology and parasitology, School of Medicine, University of Zagreb
1992 specialization in Medical microbiology and parasitology

ACADEMIC DEGREES
1987 MEDICAL DOCTOR, School of Medicine, University of Zagreb
2008 PhD School of Medicine, University of Zagreb

EMPLOYMENT
1993-1998 MD, microbiologist at the Department for Microbiology, Parasitology and Hospital infections at KBC Sestre Milosrdnice, Zagreb
1998-today Head of the Department for Microbiology, Parasitology and Hospital infections at KBC Sestre Milosrdnice, Zagreb
2011-today lecturer at the University of Applied Health Sciences, Zagreb

STUDY VISITS ABROAD
1991 Research Laboratory Microbiology Dept in Glasgow Royal Infirmary, Glasgow, Scotland

DATE OF LAST APPOINTMENT TO THE RESEARCH AND TEACHING RANK: 2009

LIST OF PUBLISHED WORK WHICH QUALIFIES HER FOR THE IMPLEMENTATION OF THE PROGRAMME AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Jajić, Ines; Benčić, Ana; Siroglavić, Marko; Zarfel, Gernot; Ružić, Boris; Pezelj, Ivan; Bedenić, Branka. Klebsiella pneumoniae OXA 48 in an urology patients: Case report. // Acta clinica Croatica. 56 (2017), 1; 166-171
Jelić, Marko; Butić, Iva; Plečko, Vanda; Cipriš, Ivan; Jajić, Ines; Bejuk, Danijela; Koščak, Iva Marinković, Sonja; Payerl-Pal, Marina; Andrašević-Tambić, Arjana. KPC-Producing Klebsiella pneumoniae Isolates in Croatia: A Nationwide Survey. // Microbial drug resistance-mechanisms epidemiology and disease. 22 (2016), 8: 662-667

Bedenić, Branka; Zujić-Atalić, Vlasta; Jajić, Ines; Godić-Torkar, Karmen; Vraneš, Jasmina; Zarfel, Gernot; Grisold, Andrea. Clonal spread of Klebsiella pneumoniae producing KPC-2 beta-lactamase in Croatian. University Hospital. // Journal of chemotherapy. 27 (2014), 4: 241-245

Zujić Atalić, Vlasta; Bedenić, Branka; Koczis, Erika; Mazzarioi, Annarita; Sardelić, Sandra; Barišić, Marko; Plečko, Vanda; Bošnjak, Zrinka; Mijač, Maja; Jajić, Ines; Vranić-Ladavac, Mirna; Cornaglia, Giuseppe. Diversity of carbapenemases in clinical isolates of Enterobacteriaceae in Croatia-the result of a multicentre study. // Clinical microbiology and infection. 20 (2014), 11; 0895-0903

Bago Rožanković, Petra; Lovrenčić Huzjan, Arijana; Čupić, Hrvoje; Jajić Benčić, Ines; Bašić, Silvio; Demarin, Vida. Influence of CagA-positive Helicobacter pylori strains on atherosclerotic carotid disease. // Journal of neurology. 258 (2011), 5; 753-761

Jajić-Benčić, Ines; Bedenić, Branka; Mikoč, Andreja. Characterization of Extended-spectrum β-lactamases in Enterobacteriaceae Causing Nosocomial Infections. // Journal of Chemotherapy. 21 (2009), 3; 282-289

Literacka, Elsbieta; Bedenić, Branka; Fiett, Janusz; Baraniak, Anna; Tonkić, Marija; Jajić-Benčić, Ines; Gniadkowski, Marek. bla(CTX-M) Genes in Escherichia coli Strains from Croatian Hospitals Are Located in New (bla(CTX-M-3a)) and Widely Spread (bla(CTX-M-3a) and bla(CTX-M-15)) Genetic Structures. // Antimicrobial agents and chemotherapy. 53 (2009), 4; 1630-1635

Bedenić, Branka; Vraneš, Jasmina; Beader, Nataša; Jajić-Benčić, Ines; Plečko, Vanda; Uzunović-Kamberović, Selma; Kalenić, Smilja. Effect of inoculum size of enterobacteriaceae producing SHV and CTX-M extended spectrum β- lactamases on the susceptibility to β-lactam combinations with inhibitors and carbapene. // Medicinski glasnik Ljekarske komore Zeničko-dobojskog kantona. 6 (2009), 2; 166-172

Vučičević, Željko; Jajić-Benčić, Ines; Krušlin, Božo; Degoricija, Vesna. Toxic shock syndrome due to group A streptococcal pharyngitis and bacteremia in adults. // Journal of microbiology immunology and infection. 42 (2009), 3; 276-279

Jajić-Benčić, Ines; Bedenić, Branka; Duras-Cuculić, Branka; Benčić, Ivan. Extended-spectrum beta-lactamase producing isolates of Enterobacteriaceae in a University Hospital, Zagreb, Croatia. // Clinical Microbiology and Infection. 12 (2006), Supplement 4; R1933


Jajić Benčić, Ines; Benčić, Ivan. Antibiotic resistance of gram-positive bacteria at the Sestre Milosrdnice University Hospital. // Acta clinica Croatica. 40 (2001); 15-19

Jajić Benčić, Ines; Benčić, Ivan; Vukičević-Baudoin, Dina. Imipenem consumption and gram-negative pathogen resistance to imipenem at Sestre milosrdnice University Hospital. // Acta clinica Croatica. 40 (2001); 185-189

Jajić Benčić, Ines. 9th European Congress of Clinical Microbiology and Infectious Diseases. // Acta clinica Croatica. 38 (1999), 3; 217-217

Vukadinović, Marija-Vesna; Kiš, Marina; Jajić-Benčić, Ines. Needlestick and sharp injuries and recommended protective measures. // Acta clinica Croatica. 38 (1999); 131-136

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Jajić, Ines; Benčić, Ana; Siroglavić, Marko; Zarfel, Gernot; Ružić, Boris; Pezelj, Ivan; Bedenić, Branka. Klebsiella pneumoniae OXA 48 in an urology patients: Case report. // Acta clinica Croatica. 56 (2017), 1; 166-171

Jelić, Marko; Butić, Iva; Plečko, Vanda; Cipriš, Ivan; Jajić, Ines; Bejuk, Danijela; Koščak, Iva Marinković, Sonja; Payerl-Pal, Marina; Andrašević-Tambić, Arjana. KPC-Producing Klebsiella pneumoniae Isolates in Croatia: A Nationwide Survey. // Microbial drug resistance-mechanisms epidemiology and disease. 22 (2016) , 8; 662-667

Bedenić, Branka; Zujić-Atalić, Vlasta; Jajić, Ines; Godič-Torkar, Karmen; Vraneš, Jasmina; Zarfel, Gernot; Grisold, Andrea. Clonal spread of Klebsiella pneumoniae producing KPC-2 beta-lactamase in Croatian University Hospital. // Journal of chemotherapy. 27 (2014), 4; 241-245

Zujić Atalić, Vlasta; Bedenić, Branka; Koczis, Erika, Mazzariol, Annarita; Sardelić, Sandra; Barišić, Marko; Plečko, Vanda; Bošnjak, Zrinka; Mijač, Maja; Jajić, Ines; Vranić-Ladavac, Mirna; Cornaglia, Giuseppe. Diversity of carbapenemases in clinical isolates of Enterobacteriaceae in Croatia-the result of a multicentre study. // Clinical microbiology and infection. 20 (2014) , 11; O895-O903

LIST OF SCIENTIFIC PROJECT IN WHICH SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2002-2006 collaborator on the project “Effect of subinhibitory concentrations of antibiotics” (Project no. 0219-281)

LIST OF PROJECT IN WHICH SHE PARTICIPATED IN THE LAST FIVE YEARS

UNIVERSITY GRANTS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Miro Jakovljević, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical psychopharmacology

BIOGRAPHY

Miro Jakovljević was born on January 27 1954, in Sarajevo, Bosnia and Herzegovina (B&H), graduated from the School of Medicine, University of Sarajevo in 1977. Since 1979, he is employed at the Department of Psychiatry, University Hospital Center (UHC) Zagreb, Croatia. He passed specialistic exam in 1983, got master’s degree in 1984, after the postgraduate study of clinical pharmacology, and achieved PhD degree in 1989. In 1990 he became assistant professor, in 1993 higher scientific collaborator, in 1996 extraordinary, in 2003 full professor of psychiatry, and is a distinguished professor since 2007. He is a subspecialist in biological and social psychiatry. From 1998 to 2007 he was the head of the Ward for Biological Psychiatry, and from 2007 to 2015 the head of the Department of Psychiatry, UHC, Zagreb. He headed the Chair for Psychiatry, (2001-2013) and was the vice-dean for science of the School of Medicine, University of Mostar, B&H (2007-2013). From 2010-2012 he was the head of the Chair for Psychiatry and Psychological Medicine, School of Medicine, University of Zagreb. He is the editor-in-chief of the international journal “Psychiatria Danubina” (IF 1.232), cited in several indexing publications (Index Medicus/MEDLINE, SCIE, CC) and the journal “Socijalna psihijatrija”. He is the member of many professional societies, Member of the Croatian Academy of Medical Sciences (AMZH), foreign member of the Academy of Sciences and Arts of Bosnia and Herzegovina (ANUBIH), the president of the Croatian Society for Psychopharmacotherapy and Biological Psychiatry, and from 2018 the president of Danubian Psychiatric Association. He published over 20 books and more than 200 scientific and professional papers, also having 28 chapters in the books of other authors. Also, he is the peer reviewer in many distinguished journals worldwide in the field of psychiatry and related disciplines. He passed the education in transactional analysis, NLP, hypnotherapy. His special interest is in clinical psychopharmacology and creative person-centered psychopharmacotherapy, biological psychiatry and transdisciplinary integrative psychiatry.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Temperament and Character Inventory-Revised (TCI-R) in a Croatian psychiatric outpatient sample. Compr Psychiatry. 2015;57:177-86.

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1985-1987: Coordinator of Project: "Biochemical Aspects of Mental Disorders" - School of Medicine, University of Zagreb

1987: Coordinator of Integrative Research Project: "Biological Markers in the Diagnosis and Treatment of Mental Disorders" - School of Medicine, University of Zagreb (Investigation of platelet 5-HT, serum GABA, gangliozides, the free radicals, endocrine and immune parameters)

1985-1987: One of the Coordinators of the WHO Study: "Chronobiology of Depression" in the WHO Collaborating Centre for Research and Training in Mental Health for Former Yugoslavia, Zagreb

1986: One of the Coordinators of the WHO Study: "Misuse of Psychotropic Substances in Traffic Conditions" in the WHO Collaborating Centre for Research and Training in Mental Health for Former Yugoslavia, Zagreb

1989-1994: Coordinator of the study "Lithium Every Second Day"

1993: The head of project "Long Term Treatment of Schizophrenia: An Integrative Biopsychosocial Research" within Croatian Brain Research Institute

1993-1998: Coordinator of Croatian "Leponex Safety Programme"

1993: Coordinator of the Project "Drug Treatment of Depression in Primary Care"

1996-2002 collaborator on Project "Neuropharmacology of GABA and 5-HT system", Ministry of Science and Education of the Republic of Croatia

2002-2006 Principal investigator of Project "Biological indicators of mental disorders", Ministry of Science and Education of the Republic of Croatia
2007-2011 Collaborator on Project “Pharmacogenetic variability of psychiatric patients”, Ministry of Science and Education of the Republic of Croatia

2007-2011 Principal Investigator of Project “Multidimensional analysis of biological markers in mental disorders”, Ministry of Science and Education of the Republic of Croatia

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2011-2017 Principal Investigator in Croatia of Project “Molecular mechanisms of posttraumatic stress disorder (PTSD)” - Deutscher Akademischer Austauschdienst (DAAD), Stability Pact for South Eastern Europe, Principal partner: Professor Juergen Deckert, MD (Wuerzburg, Germany)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

7
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Anamarija Jazbec, PhD, Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Faculty of Forestry, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: 1. Statistical Analysis of Medical Data 1
2. Medical Statistics 2.1: Statistical tools for medical data analysis in planned experimental study design
3. Medical Statistics 2.2: Statistical tools for medical data analysis in quasi-experimental study design
4. Medical Statistics 2.3: Statistical tools for medical data analysis in observational study design with large samples
5. Medical Statistics 2.3: Statistical tools for medical data analysis in observational study design with small samples

BIOGRAPHY

Born April 10th 1964. in Zagreb. Graduated from Faculty of Science, University of Zagreb, Statistics and Informatics 1988. Master degree from Faculty of Science, University of Zagreb, Biomathematics, 1995. PhD from Medical School, University of Zagreb, Public Health, 2001. Teaching courses Statistics for Engineers, Basics of Informatics, Biometrics, Basic Statistics, Applied Statistics, Statistical methods and models in forestry for undergraduate and graduate studies at the Faculty of Forestry, University of Zagreb, and Mathematical models in research and Statistical methods in research on postgraduate courses at Faculty of Forestry. At the graduate study of Mathematical Statistics, at Faculty of Science holds course in Statistical methods in biomedicine. From 2010-2016 president of Croatian biometric society. Author of 34 scientific papers (CC base), 36 scientific papers in SCI-based, 19 papers at international conferences and 44 abstracts at international conferences. h-index-11. She won Conference Award for Scientists at the 21st Conference of the International Society for Clinical Biostatistics at Trento, Italy 4-8.9.2000.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART- AND-TEACHING RANK: 17.1.2017. full professor tenure

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

CC


SCI

1. Novotny Vladimir; Dekanić Stjepan; Božić Mario; Jazbec Anamarija; Dubravac Tomislav; Durbesić Anamarija (2013) Current state and the structural analysis of the mixed even-aged pedunculate oak and common hornbeam forests in Croatia; Periodicum Biologorum; 115(3); 409-420.

2. Goran JELIĆ, Vlado TOPIĆ, Lukrecija BUTORAC, Anamarija JAZBEC, Milan ORŠANIĆ (2014) CONTAINER SIZE AND SOIL PREPARATION EFFECTS ON AFFORESTATION SUCCESS OF ONE YEAR OLD STONE PINE (Pinus pinea L.) SEEDLINGS IN CROATIAN MEDITERRANENAN AREA , Šumarski list, 138 (5-6); 463-475(IF=0.281)

3. Krpina, Vesna; Spanjol, Zeljko; Jazbec, Anamarija (2014) THE ROLE OF FORESTS AND FORESTRY IN TOURISM AND NATURE PROTECTION IN THE ZADAR COUNTY AREA, Šumarski list, 138 (5-6); 271-281(IF=0.281)

4. Radunić, Mira; Goreta Ban, Smiljana; Vuletin Selak, Gabriela; Jazbec, Anamarija; Čmelik, Zlatko. Fruit Set of Sweet Cherry "Gomišićka" is Influenced by Pollen Donor Genotype. // Acta Horticulturae1020. 1 (2014) ; 65-69


9. Nemicic-Jurec, Jasna; Jazbec, Anamarija (2017) Point source pollution and variability of nitrate concentrations in water from shallow aquifers APPLIED WATER SCIENCE Volume: 7 Issue: 3 Pages: 1337-1348 Published: JUN 2017


International Conferences


12. Vesna Špac, Anamarija Jazbec (2016) Qualitative and quantitative changes of Croatian forestry journals-Results of link and correspondence analysis, International Statistical Conference in Croatia (ISCCRO 2016), Zagreb, 5-6 May 2016. P. 74; ISSN 1849-9864 oral


Sponsor(s): Amer Diabet Assoc DIABETES, Volume: 66, Supplement: 1, Pages: A115-A115, Meeting Abstract: 433-P, Published: JUN 1 2017


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mislav Jelić, MD, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Orthopeadic Clinic, Clinical Hospital Center Zagreb and University of Zagreb School of Medicine
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Bone morphogenetic proteins in regeneration of bone and cartilage

BIOGRAPHY
Prof. Mislav Jelic graduated from the School of Medicine, University of Zagreb, Croatia, where he obtained his PhD in 2001. Between 1996 and 1999, he was a postdoctoral associate at the Laboratory for Mineralized Tissues, and a teaching assistant at Department of Anatomy, School of Medicine, University of Zagreb.
He finished his residency in orthopaedic surgery at the Department of Orthopaedic Surgery, University of Zagreb, in 2003 where he works as a staff member since. He obtained an Assistant Professor title in 2009 and Associate Professor title in 2015. His research interest is related to biological reconstruction of the bone and articular cartilage. He published some of the first clinical cases of the biological reconstruction of the skeleton with BMPs. He received several awards in the field including the ESSKA Best Poster Award in 1994 and the Hughston Award in 2009 together with a group of authors.
His clinical interest includes knee surgery with the greatest scientific interest in the regeneration of the articular cartilage. Prof. Jelic is the head of the biological reconstruction unit at the Department of Orthopaedic Surgery, University of Zagreb. He was also selected for four travelling fellowships: EFORT in 2001, ICRS in 2004, ESSKA-AOSSM in 2011 and Knee Society Insall TF in 2014.
His publications have been cited more than 2,000 times. As a part of his scientific work, he has been or currently is a leader of several projects mostly focusing on ACL reconstruction and articular cartilage repair for which he has received grants such as the Croatian Institute of Technology Grant, FP-7, etc. He is a co-inventor on four patent applications.
Publications: 80 scientific publications
Citations: More than 1600
Reviewer for medical journals:
International Orthopaedics; KSSTA (Knee Surgery Sports Traumatology and Arthroscopy); Journal of Orthopedics; Collegium Anthropologium; Biotechnology and Bioengineering; American Journal of Sports Medicine.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SELECTED PUBLISHED WORK IN THE LAST FIVE YEARS
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

„Possible treatments of joint cartilage injuries and damage“ Croatian Ministry of Science, Education and Sport. Code: 0161
„Regeneration of knee cartilage damage“ Croatian Ministry of Science, Education and Sport. Code: TP06 0098-52
FP-7 project “Magnetic Scaffolds for in vivo tissue engineering”, acronym “MAGISTER”. Grant agreement No: NMP3-LA-2008-214685
“Reproductive and regenerative medicine – research of new platforms and potentials” part of the Croatian Scientific Center of Excellence in Regenerative Medicine, 2017-2022 (European Union through the European Regional Development Fund)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

“Reproductive and regenerative medicine – research of new platforms and potentials” part of the Croatian Scientific Center of Excellence in Regenerative Medicine, 2017-2022 (European Union through the European Regional Development Fund)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ana Branka Jerbić, PhD, dipl. ing. EE

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Electrophysiological methods in medical research

BIOGRAPHY

Ana Branka Jerbić (ex. Šefer) obtained a dipl. ing. degree in 2008 and a doctoral degree in 2015 from the Faculty of Electrical Engineering and Computing (FER) of the University of Zagreb (UniZg). Since 2009 she has been a research assistant at UniZg. She was involved in research and teaching activities at the laboratory POLIN, UniZg, and research activities of students enrolled at FER and at the interdisciplinary scientific postdoctoral study Language and Cognitive Neuroscience, UniZg. From April 2009 till December 2011 she participated in the work of the Laboratory for Cognitive and Experimental Neurophysiology, KBC Zagreb, and the Referral Centre for Epilepsy of Croatian Ministry of Health. During 2012 she spent three months in the Laboratory of Brain Computer Interfaces, Institute for Knowledge Discovery, Graz University of Technology. Since 2015 she has been a technology transfer associate at the Technology Transfer Office of the University of Zagreb where she is involved in technology transfer from academia to industry, primarily in the field of electrical engineering and medicine (projects: System for telemetric temperature measurement for rotational drivetrain elements (RotoTemp); Human Powered Electronic Transmission (HuPowET); Spatial orientation testing for early detection of Alzheimer disease (SPOT-ALZ); Genomic Tests for Diagnosis of Neurorsasive Diseases (GENOMA-TEH)). Her scientific interests include the analysis of biomedical signals and machine learning applied to brain computer interfaces. She is a member of Croatian Biomedical Engineering and Medical Physics Society.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 29.04.2015. postdoc at the University of Zagreb

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2008.-2014. Research of the Neurophysiology of the Movement using the Evoked Potentials Method, Ministry of Science and Education Republic of Croatia, no. 312-0362979-3258, research assistant

2008.-2011. Vagueness, Approximation, and Granularity, EuroCORES program LogICCC European Scientific foundation, research assistant

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Davor Ježek, Prof. Dr.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Reproduction and workplace; Human reproduction; Methods of molecular biology in medicine

BIOGRAPHY

1982 – medical student, University of Zagreb, School of Medicine
1988 – medical doctor, University of Zagreb, School of Medicine
1989 – passed state exam; assistant, Institute of Histology and Embryology, University of Zagreb, School of Medicine
1990 – postgraduate studies in Oncology, University of Zagreb, School of Medicine
1991 – postgraduate studies in Medical Cytology, University of Zagreb, School of Medicine
1991-1994 - postgraduate education for Ph.D. thesis, University of Innsbruck (Dept. of Pathology) and University of Hamburg (Dept. of Andrology)
1995-current – permanent education at domestic and international meetings, conferences and congresses; invited speaker at more than 20 international meetings

Scientific and professional career:

1988- graduation paper: Sertoli Cells (mentor: As. Prof. Ljerka Banek, University of Zagreb, School of Medicine)
1991 – M. Sc. Thesis: “Influence of high doses of testosterone on the rat testis” (mentor: As. Prof. Ljerka Banek, University of Zagreb, School of Medicine)
1994 – Ph.D. Thesis: “Influence of orchietomy on the rat parotid gland” (mentor: As. Prof. Ljerka Banek, University of Zagreb, School of Medicine)

Scientific and teaching occupation:

1989- assistant, Institute of Histology and Embryology, University of Zagreb, School of Medicine
1991 – scientific assistant, University of Zagreb, School of Medicine
1994 – senior assistant, University of Zagreb, School of Medicine
1999 – assistant professor, University of Zagreb, School of Medicine
2005 – associate professor, University of Zagreb, School of Medicine
2011- full professor, University of Zagreb, School of Medicine

Areas of research: histology and embryology, in vitro cell & tissue cultivation, andrology, biobanking, cell and tissue freezing, testis, testosterone, human reproduction, cryptorchidism, male infertility, testicular sperm extraction (TESE), genital ridge development, testis-distant organs interactions.

Techniques: light microscopy, fluorescent microscopy, electron microscopy, stereology, image analysis, immunohistochemistry, genital ridge isolation and micromanipulation, cells and tissue freezing, tissue banking

Other:
Current Projects: Co-chair, Center for Excellence in Reproductive and Regenerative Medicine at the School of Medicine of the University of Zagreb (EU K.K. 01.1.1.01.008); Project Leader, Internationalization of Higher Education EXPAND (Experimental Pharmacology and Pathology and Summer School Organization Clinical Nutrition and Diet Therapy - EXPAND ″, European Social Fund / UP.03.1.1.02 /); project partner, ODISSeA (Organ Donation Innovative Strategies for South East Asia, Erasmus +); project partner, BIOCHIP (Bioengineered grafts for cartilage healing in patients, Horizon 2020 / No. 681103 /); project leader, EPISEM (Epigenetic biomarkers in blood and ejaculate of testicular semen, HRZZ / 3692 /); project leader of several domestic and international projects, collaborative project and translation program in biomedicine. Author of numerous publications in internationally indexed journals. Mentor 2 master’s and 5 Ph. Theses. The bearer of multiple awards and awards. Currently Vice-Dean for International Cooperation and Head of Medical Studies in English, School of Medicine, University of Zagreb.

Knowledge of foreign languages:

English, German

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 19/04/2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Ježek D., Knuth U. A., Schulze W. Successful testicular spermatozoa extraction (TESE) in spite of high serum FSH and azoospermia: correlation between testicular morphology, TESE results, semen analysis and serum hormone values in 103 infertile men. Hum Reprod 1998; 13 (5): 1230-1234 (CC, SCI)


Ježek D., Schulze W., Kalanj-Boglar S., Vukelić Ž., Milavec-Puretić V., Krhen I. Effects of various cryopreservation media and freezing-thawing on the morphology of the rat testicular biopsy. Andrologia. (2001); 33(6):368-78. (CC)


Davidoff M.S., Middendorff R., Koeva Y., Pusch W., Jezek D., Muller D. Glial cell line-derived neurotrophic factor (GDNF) and its receptors GFRalpha-1 and GFRalpha-2 in the human testis. Ital J Anat Embryol. 2001;106 (2 Suppl 2):173-80. (CC)


Muller D., Davidoff M.S., Bargheer O., Paust H.J., Pusch W., Koeva Y., Jezek D.,


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- 2019- Erasmus + project ODISSeA (Organ Donation Innovative Strategies for South-East Asia)
- 2018- Internationalisation in the area of higher education: EXPPAND – Introducing experimental pharmacology and pathology and organisation of summer schools Clinical nutrition and diet therapy (supported by European Social Fund, UP.03.1.1.02)
- 2018- Alliance4Life EU Horizon 2020 project, partner, member of the Steering Committee
- 2015- EU Horizon 2020 project BIOCHIP (BIOengineered grafts for Cartilage Healing In Patients)
- 2014-present co-ordinator, University of Zagreb, School of Medicine, Centre of Excellence for Reproductive and Regenerative Medicine; research unit: Biomedical investigation of reproduction and development
- 2002-2006: bilateral Croatian-Slovenian project “Histophysiological regulation of Leydig cells”
- 1995: grant, Austrian Ministry of Science and Research, Institute of Pathology, University of Innsbuck (Austria)
- 1994: NATO/FEBS grant for the postgraduate molecular biology course “Organisation of Early Vertebrate Embryo” (Spetsai, Greece)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- 2019- Erasmus + project ODISSeA (Organ Donation Innovative Strategies for South-East Asia)
- 2018- Internationalisation in the area of higher education: EXPPAND – Introducing experimental pharmacology and pathology and organisation of summer schools Clinical nutrition and diet therapy (supported by European Social Fund, UP.03.1.1.02)
- 2018- Alliance4Life EU Horizon 2020 project, partner, member of the Steering Committee
- 2015-EU Horizon 2020 project BIOCHIP (BIOengineered grafts for Cartilage Healing In Patients)
· 2014-co-ordinator, University of Zagreb, School of Medicine, Centre of Excellence for Reproductive and Regenerative Medicine; research unit: Biomedical investigation of reproduction and development.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Nataša Jovanov Milošević, DVM, MSc, DSc

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb Medical School

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Neurobiology of aging; Methods of investigation in vivo and in vitro; Morphological research methods in biomedical sciences; Human developmental neurobiology;

BIOGRAPHY

Nataša Jovanov Milošević is a tenured Professor (first election) of Medical Biology and Neuroscience, and the Head of Laboratory for immunohistochemistry at the Croatian Institute for Brain Research of the University of Zagreb Medical School. At the Croatian Institute for Brain Research, prof. Jovanov Milošević also leads the Section for laboratory animals. She graduated from the University of Zagreb (School for Veterinary Medicine), in 1995; received MSc at Faculty for Natural Sciences in 2001, and Doctorate of biomedical sciences at School of Medicine in 2005. She has extensive expertise in the brain development and developmental disorders and has established international cooperation related to markers of brain extracellular matrix in development and collaboration on malformation of cortical development. Prof. Jovanov Milošević is deputy head of the DS Neuroscience and president of the Ethical Committee for the use of Animals in Research and Education at the School of Medicine University of Zagreb.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 14. 03. 2017..

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2018: University of Zagreb project BM054/2018 „Reorganization of the extracellular matrix in the development of human brain in health and disease"

2017: University of Zagreb project BM054/2017 „Reorganization of the extracellular matrix in the development of frontal lobe of human brain"

2016: University of Zagreb project BM054/2016 „Reorganization of the extracellular matrix in the development of human brain"

2014-2017 HIUMRICO-(Histological/MRI Comparative research approach for perinatal diagnostic improvement)

2017-2020 European Network on Brain Malformations, CA16118
https://www.cost.eu; www.neuro-mig.org/

2014-2018 Brain Extracellular Matrix in Health and Disease (ECMNet), BM1001
https://www.cost.eu; www.costbm1001.eu/


1997-2001: „Tau and neurofilament proteins, and nitric oxide synthetase, as markers of hippocampal neurons’ vulnerability in Alzheimer’s disease“, Croatian Ministry of Science and Technology, grant no. 108-503


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


2018: University of Zagreb project BM054/2018 „Reorganization of the extracellular matrix in the development of human brain in health and disease"

2017: University of Zagreb project BM054/2017 „Reorganization of the extracellular matrix in the development of frontal lobe of human brain"

2016: University of Zagreb project BM054/2016 „Reorganization of the extracellular matrix in the development of human brain"
2014-2017 HIUMRICO-(Histological/MRI COMparative research approach for perinatal diagnostic improvement)

2017-2020 European Network on Brain Malformations, CA16118
https://www.cost.eu; www.neuro-mig.org/

2014-2018 Brain Extracellular Matrix in Health and Disease (ECMNet), BM1001
https://www.cost.eu; www.costbm1001.eu/

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Miloš Judaš, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine, Croatian Institute for Brain Research

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Human developmental neurobiology; Synaptic plasticity and mind

BIOGRAPHY

Miloš Judaš was born on May 1, 1961 in Petrinja, Republic of Croatia. He graduated from the University of Zagreb School of Medicine in 1984, where he has been employed since 1985 - now as a full time tenured professor for Neuroscience and Anatomy. He is also the director of the Croatian Brain Research Institute and Head of Centre of excellence in research for basic, clinical and translational neuroscience. He has been a member of the Department of Medical Sciences of the Croatian Academy of Sciences from 2008. At the University of Zagreb School of Medicine he was a Dean of Science for five mandates (1998-2000, 2005-2014), Chairman of the Committee for PhDs (2005-2014), and a member of numerous other faculty committees and boards. He was member of the Editorial Board of the University Publications (2000-2003), Member of the Council of Biomedicine and Health (2005-2014), Member of the Project Office (2007-2012), President of the Commission for the Rector Awards (2007-2014) and member of the University Senate (2009-2014). He is a member of the administrative and organizational bodies of leading European and international neuroscience organizations (member of the International Brain Research Organization (IBRO) - Central and Eastern European Regional Committee 1999-2012, member of the IBRO PanEuropean Regional Committee 2012-2017, member of Federation of European Neuroscience Societies (FENS) Council 2012 - today, member of the IBRO Council 2012.- today). In January 2014, he was also chairman of the panel for evaluation of 27 competitive projects within the EU’s Flagship Project "Human Brain Project".

His research focus is on the developmental neuroscience and neuroanatomy of the human brain, the developmental and evolutionary neurobiology of cognitive functions and languages, and the history of neuroscience. He has published 169 papers, which have been quoted so far: WoS 2.025 times (h-index 22), Scopus 2,332 times (h-index 22) and Google Scholar 3,104 times (h-index 24). Over the past five years, 1,827 new Google Scholar-based quotes have been made, while the cumulative IF for 10 of his most significant works is over 100. He also published two single-author books, 12 chapters in foreign books and monographs, and 30 chapters in domestic books. The papers are quoted in the leading world textbooks and manuals (eg Nelson CA, Luciana M, eds (2001) Handbook of Developmental Cognitive Neuroscience, The MIT Press - Bradford Book, Paxinos G, Mai JK, eds (2004) The Human Nervous System , 2nd Ed., Amsterdam: Elsevier, O’Rahilly R, Mueller F (1999), The Embryonic Human Brain, An Atlas of Developmental Stages, 2nd Ed., New York: John Wiley & Sons, Barkovich AJ (2005), Pediatric Neuroimaging, Philadelphia: Lippincott Williams & Wilkins, Johnson MH et al (2002) Brain Development and Cognition: A Reader, Oxford: Blackwell, Eliot L (2001) Early Intelligence: How Brain and Mind Develop in the First Five Years of Life. London: Penguin Books). He was an invited speaker at a number of renowned international congresses and schools (Innsbruck, Graz, Wien, Jena, London, Oxford, Helsinki, Turku, Osaka, New Haven, Cold Spring Harbor). In addition to academician Ivica Kostović, he is the most responsible for the founding of the Croatian Brain Research Institute and the Croatian Society for Neuroscience, the founding of neuroscience and the doctoral study of neuroscience. He is the winner of the annual State Prize for Science for 2011, the Academy of Science Award for Exceptional Scientific Productivity (2011) and Mentor of the Most Productive Ph.D. (2012); He is also the recipient of

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 13.03.2012

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Judas, M., G. Sedmak and I. Kostovic; (2013); "The significance of the subplate for evolution and developmental plasticity of the human brain." Frontiers in Human Neuroscience7: 9;

Judas, M., G. Sedmak and M. Pletikos; (2010); "Early history of subplate and interstitial neurons: from Theodor Meynert (1867) to the discovery of the subplate zone (1974)." Journal of Anatomy217(4): 344-367;


Kostovic, I. and M. Judas; (2010); "The development of the subplate and thalamocortical connections in the human foetal brain." Acta Paediatrica99(8): 1119-1127;

Kostovic, I., M. Judas and G. Sedmak; (2011); "Developmental history of the subplate zone, subplate neurons and interstitial white matter neurons: relevance for schizophrenia." International Journal of Developmental Neuroscience29(3): 193-205;

Kostovic, I., G. Sedmak, M. Vuksic and M. Judas; (2015); "The Relevance of Human Fetal Subplate Zone for Developmental Neuropathology of Neuronal Migration Disorders and Cortical Dysplasia." CNS Neuroscience & Therapeutics21(2): 74-82;

Milosevic, N. J., M. Judas, E. Aronica and I. Kostovic; (2014); "Neural ECM in laminar organization and connectivity development in healthy and diseased human brain." Brain Extracellular Matrix in Health and Disease214: 159-178;


Judas, M., N. Sestan and I. Kostovic; (1999); "Nitrinergic neurons in the developing and adult human telencephalon: Transient and permanent patterns of expression in comparison to other mammals." Microscopy Research and Technique45(6): 401-419;

Kostovic, I. and M. Judas; (2002); "Correlation between the sequential ingrowth of afferents and transient patterns of cortical lamination in preterm infants." Anatomical Record267(1): 1-6;


Kostovic, I. and M. Judas; (2007); "Transient patterns of cortical lamination during prenatal life: Do they have implications for treatment?"; Neuroscience and Biobehavioral Reviews31(8): 1157-1168;


Kostovic, I., M. Judas, M. Rados and P. Hrabac; (2002); "Laminar organization of the human fetal cerebrum revealed by histochemical markers and magnetic resonance imaging." Cerebral Cortex12(5): 536-544;


Kostovic, I., Z. Petanjek and M. Judas; (1993); "EARLY AREAL DIFFERENTIATION OF THE HUMAN CEREBRAL-CORTEX - ENTORHINAL AREA." Hippocampus3(4): 447-458;

Kostovic, I., L. Seress, L. Mrzljak and M. Judas; (1989); "EARLY ONSET OF SYNAPSE FORMATION IN THE HUMAN HIPPOCAMPUS - A CORRELATION WITH NISSL-GOLGI ARCHITECTONICS IN 15-WEEK-OLD AND 16.5-WEEK-OLD FETUSES." Neuroscience30(1): 105-116;
Mržljak, L., H. B. M. Uylings, C. G. Vaneden and M. Judas; (1990); "NEURONAL DEVELOPMENT IN HUMAN PREFRONTAL CORTEX IN PRENATAL AND POSTNATAL STAGES." Progress in Brain Research 85: 185-222;
Petanjek, Z., M. Judas, I. Kostovic and H. B. M. Uylings; (2008); "Lifespan alterations of basal dendritic trees of pyramidal neurons in the human prefrontal cortex: A layer-specific pattern." Cerebral Cortex 18(4): 915-929;

**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

The role of transient foetal neurons in cerebral cortex disorders
Development of cortical pathways in humans
Ways of Migration of Hippocampal GABA-ergic Neurons in Monkeys and Man
Cognitive and linguistic development in children with neuro-developmental risk
Adaptive scenario management in VR therapy of PTSD
Developmental neuropathology of genetic malformations of human brain cortex
4D ultrasound behavioural parameters in normal and disturbed foetal development
Phosphorylation of Protein in Development and Alzheimer's Disease
Interaction of Doctoral Study and Scientific Productivity in Biomedicine
The inherited metabolic and other monogenic diseases of children
Influence of organized education on quality of work in outpatient care
Research Centre for Excellence in Reproductive and Regenerative Medicine (CERRM)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Josip Juras, MD. PhD.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine Zagreb, Clinical Hospital Centre Zagreb, Department of Obstetrics and Gynecology

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: "Diabetes and Pregnancy", "Physiology and biochemistry of uterus in pregnancy and labour"

BIOGRAPHY

WORK EXPERIENCE

14.07.2015. - Postdoctorant, Faculty of Medicine, University of Zagreb, Salata 3, Zagreb 10 000, HR
09.01.2012. - Resident of gynaecology and obstetrics, Clinical Hospital Centre Zagreb, Department of Obstetrics and Gynaecology, Petrova 13, Zagreb, 10 000, HR
01.09.2009. - Scientific fellow – assistant, Faculty of Medicine, University of Zagreb, Salata 3, Zagreb 10 000, HR
01.09.2008. – 01.09.2009. Intern, Clinical Hospital Centre Zagreb, Kispaticeva 12, Zagreb 10 000, HR

EDUCATION AND TRAINING

Nov. 2014. – Dec. 2014. Ian Donald Inter-University School for Medical Ultrasound, Department of Obstetrics and Gynaecology, General Hospital “Sveti Duh”, Sveti Duh 64, Zagreb, 10 000, HR
09.01.2012. - Resident of gynaecology and obstetrics, Clinical Hospital Centre Zagreb, Department of Obstetrics and Gynaecology, Petrova 13, Zagreb, 10 000, HR
01.09.2009. - Scientific fellow – assistant, Faculty of Medicine, University of Zagreb, Salata 3, Zagreb 10 000, HR
2009. – 2015. PhD degree (the thesis called: "Diabetes and metabolic syndrome after gestational diabetes")
PhD Programme in Biomedicine and Health Sciences, Faculty of Medicine, University of Zagreb, Salata 3, Zagreb 10 000, HR
2002. – 2008. Doctor of Medicine, Faculty of Medicine, University of Zagreb, Salata 3, Zagreb 10 000, HR


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Diabetes and Metabolic Syndrome After Previous Gestational Diabetes (108-1080401-0385)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Diabetes and Metabolic Syndrome After Previous Gestational Diabetes (108-1080401-0385)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Emilja Juretić, MD, PhD, Associate Professor of Pediatrics

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinical Hospital Center, Department of Obstetrics and Gynecology, Division of Neonatology

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: "Diabetes and Pregnancy"

BIOGRAPHY

Education

MD: Medical School, University of Zagreb, 1978.
Postgraduate study in clinical pediatrics, 1982.
Specialist in pediatrics, 1986.

Work experience

University Hospital «Dr. M. Stojanović» internship, 1980.
Clinical Hospital Center Zagreb, Department of Pediatrics Rebro, specialization in pediatrics, 1980 – 1986.
Staff neonatologist at Division of Neonatology, Department of Obstetrics and Gynecology from 1986.
Primarius, 2002.
Senior assistant, chair of Obstetrics and Gynecology, Medical School, University of Zagreb, 2004.
Senior scientific associate, 2006.
Head of Division of Neonatology, 2006.
Assistant Professor, 2008.
Associate Professor, 2013.

Research activities

PhD – Neonatal lymphocyte subpopulations in relation to gestational age and infection, Medical School, University of Zagreb, 1997.
Principal investigator on Ministry of Science project Analysis of lymphocyte subpopulations in newborns and parturients, 2002.
Investigator on 3 other Ministry of Science projects

Publications

9 papers in CC indexed journals, 8 kongress abstracts in CC indexed journals, and 30 other kongress abstracts, 20 papers in elsewhere indexed journals, 10 book chapters

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Gordana Jurić-Lekić, tenure full professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Isotransplantation of Mammalian Organ Primordia, Methods of investigation in vivo and in vitro

BIOGRAPHY


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2017 tenure full professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

from 1983.-2002 participation in projects: NIH, Bethesda, USA; WHO Geneva, Switzerland; Cancerfonden; UNESCO, MZOŠ
2002-2006 participation in project "The experimental approach to reproductive health in mammals" MZOŠ,

2006-2013 participation in project "Experimental embryonal tumors and the development of mammals in vivo and in vitro" MZOŠ;

2014.-to date participation in Scientific Center of Excellence for reproductive and regenerative medicine, research unit for biomedical research reproduction and development.

2013-2018 participation in UNIZG projects.

- 2017-2022 participation in "Reproductive and Regenerative Medicine - Exploring New Platforms and Potentials" The European Union through the European Regional Development Fund, Operational Programme Competitiveness and Cohesion, under grant agreement No. KK.01.1.1.01.0008, within the Center of Excellence for Reproductive and Regenerative Medicine (CERRM). School of Medicine, University of Zagreb.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- 2017-2022 participation in "Reproductive and Regenerative Medicine - Exploring New Platforms and Potentials" The European Union through the European Regional Development Fund, Operational Programme Competitiveness and Cohesion, under grant agreement No. KK.01.1.1.01.0008, within the Center of Excellence for Reproductive and Regenerative Medicine (CERRM). School of Medicine, University of Zagreb.

- 2014. to date participation in Scientific Center of Excellence for reproductive and regenerative medicine, research unit for biomedical research reproduction and development

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 2


ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ivana Jurjević, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of neurology, Clinical Hospital Centre Zagreb, and Department of Pharmacology, University of Zagreb Medical School

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: 1. Clinical Neuropharmacology
2. Movement Disorders; Pathophysiology of the brain and CSF

BIOGRAPHY

Ivana Jurjević was born on November the 14th, 1982. in Karlovac, Croatia. She finished elementary school in Zaprešić, and X. gymnasium in Zagreb with excellent grades. Ivana started attending University of Zagreb School of Medicine in the year 2001. and graduated from it in 2007. Then she worked as an intern for a year at the Clinical Hospital Centre Zagreb, and passed the State exam for medical doctors in the year 2008. Shortly after graduation she also started her scientific work as a research fellow at the Department of Pharmacology. Concurrently she worked as a resident at the Department of neurology of the University hospital centre Zagreb showing special interest in movement disorders, as well as teaching medical students neurology and pharmacology. In 2014. she finished her PhD thesis in the field of CSF pathophysiology and hydrocephalus, which was followed by successfully passing her residency exam in neurology in 2015. Shortly after, she proceeded with her education in sensory evoked potentials at the University hospital centre Zagreb, and additionally her scientific work which has led her to Juntendo University Medical School, Tokyo, Japan where she spent 6 months researching microRNA in NPH and other movement disorders together with education in deep brain stimulation. At the moment she works at the Department of pharmacology of Medical school University of Zagreb, and is in the process of being elected for assistant professor. She is a part of two scientific projects: „Pathophysiology of the cerebrospinal fluid and intracranial pressure“, under the mentorship of the lead investigator, prof. Marijan Klarica, and the project “Mistery of subthalamus – anatomic division of the subthalamic nucleus - 3STAN“ with the lead investigator assistant professor Goran Sedmak. She teaches Pharmacology for graduate students in english and croatian language at the University of Zagreb Medical School, and also participates in the postgraduate doctoral studies „Biomedicine and Health“ as well as „Neuroscience“ at the University of Zagreb School of Medicine, in the class called „Pathophysiology of the brain and CSF“ under prof. Marijan Klarica. She is the author or co-author of 13 scientific papers (9 CC papers), and she is an active member of the Croatian society of pharmacologists, Croatian society for neuroscience, IBRO, FENS, IUPHAR, EPHAR, Croatian Neurological Society and of University of Zagreb Medical School College Council. She participated in many domestic and international scientific meetings. She is active in english and german, and passive in spanish language.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2019

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Project „Mystery of subthalamus – anatomical division of the subthalamic nucleus - 3STAN“, lead investigator assistant professor Goran Sedmak

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Project „Pathophysiology of cerebrospinal fluid and intracranial pressure“ , lead investigator professor Marijan Klarica

Project „Mystery of subthalamus – anatomical division of the subthalamic nucleus - 3STAN“, lead investigator assistant professor Goran Sedmak

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Anja Kafka, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Genome instability

BIOGRAPHY

Anja Kafka was born on December 1st 1986 in Pakrac, Croatia. She graduated at the Faculty of Science University of Zagreb in 2011. In 2010 she begun to volunteer at Croatian Institute for Brain Research. In 2012. she started to work as research assistant at Department of Biology School of Medicine, University of Zagreb and Laboratory of Neurooncology at Croatian Institute for Brain Research. In 2012 she enrolled PhD program in the field of Biomedicine and Health Sciences at the School of medicine, University of Zagreb. In October 2017 she defended her PhD thesis entitled „Changes in gene structure and protein expression of DVL1, DVL2, DVL3 and transcription factors TCF1 and LEF1 in astrocytic brain tumors”.

Education:
2005-2008 Faculty of Science University of Zagreb, Bacchelor of science, BS
2008-2011 Faculty of Science University of Zagreb, Master of science, MS in Experimental Biology
2012-2017 School of Medicine University of Zagreb, PhD Biomedicine and Health Sciences

Work experience:
2010-2012 volunteer at Croatian Institute for Brain Research
2012-2018 research assistant at Department of Biology School of Medicine, University of Zagreb and Laboratory of Neurooncology at Croatian Institute for Brain Research
2018-present postdoctoral research assistant at Department of Biology School of Medicine, University of Zagreb and Laboratory of Neurooncology at Croatian Institute for Brain Research

Participation in scientific projects:
Researcher at 10 scientific projects

Publications:
Author of 16 published scientific papers (+ 2 in process of peer review) and coauthor of 35 congress abstracts.

Teaching:
Participate in courses within undergraduate study: Medical Biology (Medical study in Croatian and English), Eucaryotic genome and Medical genetics. She is also involved in courses on doctoral studies Biomedicine and Health Sciences (Genome instability) and Neuroscience (Genetic basis of brain tumors).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: -

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Pećina-Šlaus N, Bukovac A, Salomon I, Kafka A. Microsatellite instability as a driving force for cancer progression. Cancer Hypotheses 2017:1(6);1-16


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Pećina-Šlaus N, Kafka A. Lechpammer M. Molecular genetics of intracranial meningiomas with emphasis on canonical Wnt signalling. Cancers 2016:8;67-88. doi:10.3390/


Pećina-Šlaus N, Bukovac A, Salomon I, Kafka A. Microsatellite instability as a driving force for cancer progression. Cancer Hypotheses 2017:1(6);1-16


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2013-2014 Researcher at University of Zagreb research project „Wnt signaling pathway from membrane to nucleus of tumor cells“

2014-2015 Researcher at University of Zagreb research project „Wnt signaling in placentation and tumorigenesis“

2014-2018 Researcher at the Croatian Science Foundation research project „The role of Wnt signaling in epithelial to mesenchymal transition“ (WNT4EMT)

2017-present Researcher at Research Centre of Excellence, of Fundamental Clinical and Translational Neuroscience

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2013-2014 Researcher at University of Zagreb research project „Wnt signaling pathway from membrane to nucleus of tumor cells“

2014-2015 Researcher at University of Zagreb research project „Wnt signaling in placentation and tumorigenesis“
2014-2018 Researcher at the Croatian Science Foundation research project „The role of Wnt signaling in epithelial to mesenchymal transition“ (WNT4EMT)

2015-2016 Researcher at University of Zagreb research project „Gap43 as marker of regeneration of brain tissue after ischemic injury“

2015-2016 Researcher at project Mladimozak (YoungBrain) financed with EU funds, which provides support to young researchers

2017-present Researcher at Croatian Science Foundation research project „Stem cells from human oral mucosa for treatment of brain ischemia“ (ORASTEM)

2017-present Researcher at University of Zagreb research project „The influence of ischemia on the emergence, migration and differentiation of nervous system cells“.

2017-present Researcher at Research Centre of Excellence, of Fundamental Clinical and Translational Neuroscience
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Držislav Kalafatić, MD, PhD, Assistant professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Obstetrics and Gynaecology, School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Diagnostics and treatment of female urinary incontinence

BIOGRAPHY


Education:
1989-1995. School of Medicine, University of Zagreb, undergraduate study.
1997-2000. School of Medicine, University of Zagreb – Postgraduate study “Biomedicine”
January 2001. Master degree
March 2011. PhD degree

Work experience
1997-2001. Research fellow in Obstetrics and Gynaecology, School of Medicine, University of Zagreb
April 2005 - present: Clinical hospital centre Zagreb / Department of Obstetrics and Gynaecology, gyn&obs specialist;
2014 – present - Head of the Transvaginal Surgery Ward, Department of Obstetrics and Gynaecology
2011 - subspecialist of urogynecology
2011 – 2015 – Clinical assistant in Obstetrics&Gynaecology
May 2015 – present – Assistant Professor of Obstetrics&Gynecology, University of Zagreb

Additional information
Co-author of 20 original scientific publications indexed in Current Contents.
Member of the Croatian Medical Association, Secretary of the Croatian Society of Gynaecology and Obstetrics (HDGO), member of the European Urogynaecology Association (EUGA) and Croatian Society for Cancer Research (HDIR).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: May 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Kalafatić D. In the clinic: interactive case studies – the typical and atypical OAB patients. 1st Scientific Round Table „Management of overactive bladder – past, present and future”, Beč, Austrija, 2014.


Kalafatić D. Diagnostic and treatment algorithm of urinary incontinence. 3rd Top 40 Regional Leading Lights in Urogynecology and Female Urology. Laško, Slovenija, 2015, Book od Abstracts.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- Croatian Ministry of Science project No. 134-001 „Etiologic factors of goiter in Croatia”, project leader prof. Zvonko Kusić, 1996-2002
- Croatian Ministry of Science project No. 108-032 „Rtiologic factors of preterm delivery”, project leader professor Ivana Kuvačić, 1997-2001
- Croatian Ministry of Science project No. 108-261 „The influence of antenatal factors on long-term outcome“, project leader professor Snježana Škrablin, 2002-2005
- Croatian Ministry of Science project No. 117010 „Clinical significance of tumor hypoxia in patients with solid tumors”, project leader professor Lidija Beketić-Orešković, 2011-present
- Croatian Science Foundation project „Novel molecular mechanisms as targeted therapy: Interactions of mRNA molecules and Hedgehog-GLI signaling pathway in serous ovarian carcinoma (MIRnaGLI)”, project leader dr. Sonja Levanat, 2017-present
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Svjetlana, Kalanj Bognar, Prof. dr.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, Zagreb University

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research methods in vivo and in vitro

BIOGRAPHY

I was born in Zagreb, where I graduated at Classical Gymnasium in 1983. I studied medicine at School of Medicine, Zagreb University, and obtained University degree of Doctor of medicine in 1989. I did my 1-year internship as an employee of the Psychiatric hospital Vrapce, and obtained the licence for general practitioners in 1990. I defended PhD thesis in the field of Biomedicine and health (basic medical science, medical biochemistry) in 1998, at School of Medicine, Zagreb University. From 1992. to 2004., I participated in research and teaching at Department for Chemistry and Biochemistry - first as a young researcher and afterwards as a postdoctoral fellow. I obtained a title of Assistant Professor in 2004, and since 2007. became a member of teaching staff of Department for Chemistry and Biochemistry. In 2009, I obtained a title of Associate Professor, and in 2016. a title of Professor. Since foundation of Croatian Institute for Brain Research I have been participating in research activities of Laboratory for molecular neurobiology and neurochemistry; since 2007., I've been a head of the Laboratory. My scientific training includes study visits and research in Germany (Technical Faculty, Bielefeld), Slovenia (School of Medicine, Ljubljana University), and France (Centre de Génétique Moléculaire du CNRS, Gif-sur-Yvette). Since 2010., I have established scientific collaboration with colleagues from Leibniz Institute for Neurobiology (Magdeburg, Germany), and recently I have started to collaborate with several other scientific institutions in United Kingdom, Romania and Sweden. I was a researcher collaborating in more than 10 national and international scientific projects, and leader of two national and two bilateral international projects financed by Croatian Ministry of science, education and technology. In the project period 2017.-2021. I am a principal investigator of a research project supported by Croatian Science Foundation. My scientific interests refer to molecular neurobiology and neurochemistry, particularly to research of membrane lipids and their role in molecular pathogenesis of neurodegeneration. I published more than 30 scientific and popular papers, coauthored more than 50 conference abstracts, and was invited lecturer at international conferences. I mentored scientific work of students - 2 of the student projects were awarded by Rector of Zagreb University. I was mentor of 5 diploma works, 1 MSc thesis, 3 PhD theses. I am active member of Croatian Society for biochemistry and molecular biology, Croatian Society for Neuroscience, Federation of European Neuroscience Societies (FENS) and Society for Neuroscience (SfN).


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


3. Kalanj Bognar S. Ganglioside catabolism is altered in fibroblasts and leukocytes from Alzheimer’s disease patients. Neurobiol Aging. 27(9):1354-6, Sep 2006. (IF=5,8; Q1 neurosciences)

**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

1) 1992.-1998., project "Human brain gangliosides" (P.I.- I. Kračun; Croatian Ministry of Science and Technology, 108136); 2) 1998.-2002., project "Sphingolipids of hippocampal neurons in Alzheimer’s disease" (P.I.- Č. Ćosović; Croatian Ministry of Science and Technology, 108121); 3) 1999-2002., bilateral Croatian-Slovenian project "Lanosterol 14alpha-demethylase (CYP51) and related genetic factors of cholesterol late-phase synthesis during spermatogenesis" (P.I.s - Lj. Banek and D. Rozman); 4) 2002., NATO project "Expression of cholesterol homeostasis genes analyzed by DNA microarray technology", P.I.s-D. Rozman (Ljubljana University) and D. Pompon (Centre de Génétique Moléculaire du CNRS, Gif-sur-Yvette, France); 5) 2002.-2006., project leader - "Glycosphingolipids in brain development, aging and neurodegeneration" (Croatian Ministry of Science, Technology and Sport, 108120, project within collaborative programme “Brain development, plasticity and regeneration following perinatal lesion”, Croatian Institute for Brain Research); 6) 2003-2004., Bilateral project leader - "Genetic regulation of cholesterol metabolism in murine brain" (co-leader: D. Rozman), 7) 2007.-2014., project leader - "Role of membrane lipids in brain development, aging and neurodegeneration"(Croatian Ministry of Science, Technology and Sport); 8) 2007.-2008., bilateral project leader - "Expression of genes involved in cholesterol homeostasis in murine brain" (co-leader: M. Fink).

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

1) 2013.-2015., GlowBrain (P.I.-S. Gajović); 2) 2014., bilateral German/DAAD-Croatian project "Gangliosides and neuroplastin in organization of synaptic membrane" (P.I.-K. Mlinac); 3) 2014., Project leader - "Expression of neuroplastin in human hippocampus" (Zagreb University); 4) 2015., project "Characterisation of gangliosides and neuroplastin as potential markers of human brain tumors" (P.I.-Ž. Vukelić; Zagreb University); 5) 2015.-2019., project "Pathophysiological consequences of changed composition of lipid rafts" (P.I.- M. Heffer; Croatian Science Foundation); 6) 2017., Project leader - "Influence of cellular differentiation and lipid environment on neuroplastin expression and positioning-
studying membrane dynamics in vitro" (Zagreb University); 7) 2018., Project leader - "Influence of cellular differentiation and lipid environment on neuroplastin expression and positioning-continuation of studying membrane dynamics in vitro" (Zagreb University); 8) 2017.-2021., Project leader - "Molecular markers of neuronal vulnerability, adaptation and plasticity in acute and chronic brain lesion", NeuroReact (Croatian Science Foundation).

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
3
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Smilja Kalenic, MD, PhD – tenured professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb, Croatia – retired from 2013

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pathogenesis of infectious diseases, Biomaterial infections

Address: Opatijski trg 6, 10000 Zagreb; Mobile phone: +385 98 301 443; E-mail: smilja.kalenic@mef.hr


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2008 (retired tenured professor since 2013)

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
1. 1986-1990, Croatian Ministry of Science, collaborator, project task no. 1.08.08.00.22 “The role of *Campylobacter pylori* in patients with gastritis and peptic ulcer” – project leader B. Vrhovac,

2. 1992, War project: “Designation of empirical therapy in intensive care units”,

3. 2002-2006, MZOS project (No. 108 121) entitled: “Genotyping of hospital infection agents” – project leader,


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS / NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 7**
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Sanja Kapitanović, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Rudjer Boskovic Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular genetics of gastrointestinal tumors, Endocrine tumors of gastrointestinal tract and the pancreas

BIOGRAPHY

Prof. Sanja Kapitanović, , MD, PhD

Identification number of the scientist:200570

Senior Research Scientist permanent position

Laboratory for personalized medicine, Division of Molecular Medicine, RBI, Bijenička c. 54, Zagreb, Croatia; e-mail: kapitan@irb.hr

EDUCATION:

1997, Ph.D., School of Medicine, University of Zagreb
1992, M.Sc., School of Medicine, University of Zagreb
1988, MD, School of Medicine, University of Zagreb

WORK EXPERIENCE:

20011 - today, Senior Research Scientist permanent position, Head of Laboratory for Personalized Medicine, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb
2009 - 2011, Senior Research Scientist, Head of Laboratory for Personalized Medicine, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb
2005 - 2008, Senior Research Scientist, Laboratory of Molecular Oncology, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb
2002 - 2005, Senior Research Associate, Laboratory of Molecular Oncology, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb
1998 - 2002, Research Associate, Laboratory of Molecular Oncology, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb
1997 - 1998, Postdoctoral Researcher, Laboratory of Molecular Oncology, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb
1993 - 1997, Research Assistant, Laboratory of Molecular Oncology, Division of Molecular Medicine, Ruđer Bošković Institute, Zagreb
1990 - 1993, MD, Department of Transfusiology and Immunohematology, County Hospital Šibenik
1988 - 1989, MD, Transfusiology Institute of Croatia, Zagreb

SCIENTIFIC GRANTS

2007-2014, principal investigator of MZOS scientific project: Molecular genetics and pharmacogenetics of gastrointestinal tumors.

2007-2014, collaborator of MZOS scientific project: Neuroendocrine tumors of gastrointestinal tract and pancreas.

2017-2021, principal investigator of Croatian Science Foundation scientific project: Microsatellite instability (MSI and EMAST) in molecular profiling of sporadic colon cancer

AWARDS

2006 National Award for Science in Biomedicine
1994 Croatian Academy of Sciences and Arts Award for Special Achievements in Science

SUPERVISION OF DOCTORAL AND POSTDOCTORAL STUDENTS

8 graduate /3 master of science /5 doctoral, Faculty of Science, University of Zagreb

TEACHING ACTIVITIES

2003 - present Course Leader: Molecular genetics of gastrointestinal tumors, Doctoral Study in Biomedicine and Health Sciences School of Medicine, University of Zagreb

2007 - present Course Leader: Personalized medicine – predictive medicine and pharmacogenetics, Doctoral Study in Molecular Biosciences, University of Osijek/Ruđer Bošković Institute

2009 – 2015 Course Leader: Molecular diagnostics, Graduate Study, Faculty of Science, University of Zagreb

SCIENTIFIC PUBLICATIONS:

87 (70 indexed in Current Contents, JCR Q1:23, Q2:25)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

28.11.2005. Senior Research Scientist
8.9.2011. Senior Research Scientist permanent position
29.11.2017. Full Professor permanent position University of Osijek

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
2007-2014, principal investigator of MZOS scientific project: Molecular genetics and pharmacogenetics of gastrointestinal tumors.
2007-2014, collaborator of MZOS scientific project: Neuroendocrine tumors of gastrointestinal tract and pancreas.


2017-2021, principal investigator of Croatian Science Foundation scientific project: Microsatellite instability (MSI and EMAST) in molecular profiling of sporadic colon cancer


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

2007-2014, principal investigator of MZOS scientific project: Molecular genetics and pharmacogenetics of gastrointestinal tumors.

2007-2014, collaborator of MZOS scientific project: Neuroendocrine tumors of gastrointestinal tract and pancreas.


2017-2021, principal investigator of Croatian Science Foundation scientific project: Microsatellite instability (MSI and EMAST) in molecular profiling of sporadic colon cancer


**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant Professor Ivana Karmelić, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical methods in biomedical research

BIOGRAPHY


WORK EXPERIENCE: 2003.-2009. PhD student – young teaching assistant; 2010.-2012. PhD student-teaching assistant, 2012.-2017. postdoctoral researcher-senior-teaching assistant and 2018.- current Assistant Professor at Department of Chemistry and Biochemistry, School of Medicine, University of Zagreb.

Actively involved in teaching several classes at undergraduate level for students studying Medicine and Dental medicine in Croatian and English curriculum at University of Zagreb (Medical Chemistry and Biochemistry I and II; Clinical Chemistry, Inorganic substances in biological processes, Dental Chemistry, Dental Biochemistry). Participating in teaching at PhD program in Biomedicine and Health Sciences and Postgraduate specialist studies in Clinical microbiology.

SCIENTIFIC ACTIVITY: Scientific activity focused on topics in the field of sphingolipids, using advanced methods of HPLC analysis and complementary techniques for biomolecule analyses with emphasis on sphingolipid metabolites analysis in biological samples.

PRESENTATION OF WORK AT SCIENTIFIC MEETINGS: Co-author of 15 congress summaries - posters, of which 4 published in journals indexed in the CC base, 3 published in other journals and 8 published in the conference proceedings.

OTHER SCIENTIFIC ACTIVITY: Reviewer for scientific journals.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Darko Kastelan, MD PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Surgical treatment of pituitary tumours; Disorders of adrenal gland

BIOGRAPHY

Education


Position

Head of Department of Endocrinology and Diabetes, University Hospital Zagreb.
Head of the Croatian Referral Centre for adrenal gland disorders
Chairman of the Postgraduate education program in Endocrinology and Diabetology, School of Medicine, University of Zagreb
Director of Croatian training program in Endocrinology and Diabetology
President of the Croatian Society for Endocrinology and Diabetology
Member of the Education Committee of the European Society of Endocrinology

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2019, Full Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

Clinical, biochemical and genetic analyses in childhood-adolescent and adult craniopharyngioma’

Genetics of endocrine tumours, FIPA.

ERCUSYN – European registry of patients with Cushing’s syndrome (EU project)

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

Clinical, biochemical and genetic analyses in childhood-adolescent and adult craniopharyngioma’

Genetics of endocrine tumours, FIPA.

ERCUSYN – European registry of patients with Cushing’s syndrome (EU project)

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Vedran Katavić, MD PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Understanding bone metabolism – basic science in clinical practice; Methods of investigation in vivo and in vitro

BIOGRAPHY

I am a Professor of Human Anatomy at the University of Zagreb School of Medicine, where he finished his PhD in 2001. My scientific background is in the fields of bone biology and immunology. I have extensive experience in teaching in the graduate courses of Anatomy (gross and clinical); postgraduate teaching in Bone biology and Molecular biology; postgraduate teaching and courses for the continuing education of M.D.s in "Writing and publishing a scientific paper"; and graduate and postgraduate courses on Responsible Conduct of Research (RCR) for both the Croatian and English programs of his School.

I am or have been a Member and President of the Croatian national Committee for Ethics in Science and higher education (2006-11); Member of the European Network of Research Integrity Offices (2006-11); Section head at the 1st World Conference on Research Integrity, Tampa (FL); Research Integrity Editor at the Croatian Medical Journal (2001-10); expert for scientific and ethics assessment for projects funded by the European Commission (FP7, H2020, MSCA, EASME…) proposals (since 2015); and Member of the Research Integrity Committee of the Luxembourg Agency for Research Integrity (LARI) (since 2017).

I have published greater than 30 papers in indexed journals with greater than 1000 independent citations and an h-index of 15.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: November 13, 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2. Researcher: Croatian Ministry of Science and Technology research grant “Inflammation in the Central Nervous System: Role of Cytokines and Chemokines” as a part of the research program “Neurobiology of Cognitive Development and Cognitive Disturbances”, Institute for Brain Research and Medical Sciences, 1997-2001;

3. Researcher: Croatian Ministry of Science and Technology research grant “Osteoinduction in Immunosuppressed Mice”, 1996-1998; and


5. PI: Croatian Ministry of Science Education and Sports research grant "B lymphocytes, macrophages and the origin of osteoclasts", 2007-2014;


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. Researcher: HRZZ 402-08/13-03/37, No. 1.2.1.5 (PI – Prof. Danka Grčević, MD PhD), 2011-2014;

2. Researcher: HRZZ “Characterization of osteoclast progenitor responses to arthritis” (PI – Prof. Danka Grčević, MD PhD), 2014-2017

3. Researcher: HRZZ "Evolution of inflammatory arthritis in children" (PI: Prof. Miroslav Harjaček), 2017-

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ana Katušić Bojanac, asst. professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Medical Biology, School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Epigenetics, Methods of investigation in vivo and in vitro; Methods of molecular biology in medicine

BIOGRAPHY

Year and place of birth: Split, 1978. Education: Diploma in Molecular Biology, Faculty of Science, University of Zagreb (1996-2001), Postgraduate Doctoral Program in Biology, Faculty of Science, Zagreb (2004-2010). Work experience and academic degrees: Department of Biology, Faculty of Medicine in Zagreb (since 2004), M.Sc, PMF, Zagreb (2008), Ph.D., PMF, Zagreb (2010), Assistant Professor at the Faculty of Medicine in Zagreb (2015). Teaching: 2017/2018. Course leader substitute, PMF, Zagreb (course Developmental Biology); 2017-present - Course co-leader Molecular Biology in Medicine, MEF Zagreb; 2008.-present Postgraduate study in Biomedicine and Health (courses Methods of Molecular Biology in Medicine, Epigenetics); 2005-today. Faculty of Dental Medicine Cell Biology with Genetics course); 2004.-today MEF Zagreb (courses Medical Biology, Medical Genetics, Medical and molecular biology); 2002n-2008. Instructor at EMBO Course "Anatomy and Embryology of the Mouse", Zagreb. Scientific projects: Active participation in scientific projects (2004 - 12 projects, 4 ongoing), scientific associate of the Center for Excellence for Biomedical Research of Reproduction and Development (since 2014). Publications: 18 scientific articles (9 CC, 4 SCI and 5 other), 64 conference papers, 106 citations. Education (6): 2016. FEBS scholarship for FEBS course "Workshop on education in molecular life sciences", Oslo, Norway; 2015 COST Action Academy FA1201 Epigenetics and Periconception Environment (2013-2016), "Training School on Epigenetics in Reproductive Biology", Murcia, Spain; 2012 Scholarship of the University of Zagreb and short study room, Laboratory for Electronic Microscopy, Faculty of Medicine, University of Pécs, Hungary; 2007-2008: NoE 3DEM (LSHG-CT-2004-502828) scholarship for doctoral dissertation project, Faculty of Natural Sciences, Department of Cell Biology and Electron Microscopy, University of Utrecht, The Netherlands; 2006. Scholarship - EMBO course, "Electron microscopy and stereology in cell biology", Oslo, Norway; 2004. Scholarship - CSHL course „Molecular Embryology of the Mouse”, Cold Spring Harbour Laboratory, USA. Awards (8): 2006, 2008 and 2011 Best Poster Award at Ljudevit Jurak International Symposium on Comparative Pathology, Zagreb (co-author); 2008 plaque at the 6th International Fair of Innovation, New Ideas, Products and Technology ARCA, Zagreb; 2006. 4 awards at 4. ARCA, Zagreb. Mentoring Awarded Student Works (4): Dean Award (2) (Martinović and Novak, 2018; Rogošić Srđan, 2010); Silver plaque at the 8th International Exhibition of Innovation, New Ideas, Product Technologies ARCA 2010, Zagreb; IFIA LADY PRIZE, Award for Best Work of Female Innovators at ARCA 2010. Membership in Faculty Commissions: Since 2007. member of the Faculty Committee for e-Education; 2008-present. LMS System Coordinator at the Faculty of Medicine. Professional organizational skills: Member of the founder team of the laboratory for monitoring the oncological drugs activity at the Department for pediatric hematology and oncology at the Children Hospital Zagreb. Organization of International Conferences (1): 2018. COST CellFit Annual Meeting, Hvar, 01-04.10 2018 (local organizer / 100 participants). Memberships in professional societies (5): Croatian Andrology Society, Croatian Microscopic Society, Croatian Society for Biochemistry and Molecular Biology, Croatian Society for Clinical Genetics of Croatia, Croatian Biological Society. Invited lectures (12): Local meetings (5): 2018. Nikola Škreb Symposium, Zagreb, Croatia; 2016. Round Table on Apoptosis, HAZU, Zagreb; Round Table on Apoptosis, HAZU Zagreb; 2010. Meeting of high school biology teachers; 2009 Meeting of the Croatian

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: assistant professor, 18.5.2015.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE Participated AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018. Leader, Scientific Research Support of the University of Zagreb.

• 2017-2022. Team member, Leader of 2 scientific activities on the project of the Scientific Center of Excellence "Reproductive and Regenerative Medicine - Research of New Platforms and Potentials", funded by the EU Regional Development Fund, Operational Program "Competitiveness and Cohesion" (2014-2020)

• 2017-2021. Team member, HRZZ project IP-2016-06-3692 "Epigenetic biomarkers in blood and ejaculate of testicular semen"

• 2017-2020. Member of the Steering Committee, COST Action project OC-2016-1-20687 "In vitro 3-D total cell guidance and fitness", funded by COST (European Cooperation in Science and Technology).

• 2015-2017. Team member, a project for the establishment of the Centers of Excellence for Reproductive and Regenerative Medicine, Biomedical Research Reproduction and Development Unit financed by the annual financial support of the Croatian Ministry of Science

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE Participated IN THE LAST FIVE YEARS

2018. Leader, Scientific Research Support, University of Zagreb. The project explores epigenetic changes of genital genes in male infertility and validates them as risk markers for the development of testicular tumors.

• 2017-2022. Team member, Leader of 2 scientific activities on the project of the Scientific Center of Excellence "Reproductive and Regenerative Medicine - Research of New Platforms and Potentials", funded by the EU Regional Development Fund, Operational Program "Competitiveness and Cohesion" (2014-2020)

• 2017-2021. Team member, HRZZ project IP-2016-06-3692 "Epigenetic biomarkers in blood and ejaculate of testicular semen"

• 2017-2020. Member of the Steering Committee, COST Action project OC-2016-1-20687 "In vitro 3-D total cell guidance and fitness", funded by COST (European Cooperation in Science and Technology).

• 2015-2017. Team member, a project for the establishment of the Centers of Excellence for Reproductive and Regenerative Medicine, Biomedical Research Reproduction and Development Unit financed by the annual financial support of the Croatian Ministry of Science.

• 2017. Team member, Scientific Research Support of the University of Zagreb. Br. 2.1.17

• 2016. Team member, Scientific Research Support of the University of Zagreb.1101310

• 2015. Scientific Research Support of the University of Zagreb. BM049

• 2014. Team member, Scientific Research Support of the University of Zagreb BM1.22

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant Prof. Silva Katušić Hećimović, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Genomic approaches in biomedical and translational research

BIOGRAPHY

Docent Silva Katušić Hećimović was born in Dubrovnik, Croatia, where she gained her elementary and secondary school education. She graduated in 1991 at the Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia and attained her M.Sc. degree in 1995 from the Faculty of Sciences. Docent Katušić Hećimović gained her PhD degree in 2000 at the Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia. From 2001 - 2004 she was a postdoctoral Research Assistant at the Washington University School of Medicine, St. Louis, MO, USA. After her return to the Ruđer Bošković Institute (RBI), as a Research Associate, she worked to establish herself as an independent scientist and introduced a new field of research on neurodegenerative diseases within the Division of Molecular Medicine, RBI. From 2009 - 2016 Docent Katušić Hećimović was a head of the Laboratory of Molecular Neuropharmacology and from 2016 a head of the Laboratory for Neurodegenerative Disease Research (LAND). In 2017 Doc. Silva Katušić Hećimović was appointed to a research rank of the senior scientist and since 2018 she has been employed as a senior scientist, laboratory head at the Ruđer Bošković Institute. Doc. Katušić’s area of scientific interest is biology of neurodegenerative diseases. She has published 40 scientific papers indexed in Web of Science Core Collection (WoSCC) database which have been cited 800 times according to the Scopus database, published 18 book chapters, 1 editor book and has held more than 20 invited lectures at national and international scientific conferences/institutions. Doc. Katušić Hećimović is the recipient of the Dean’s Award for the academic year 1990/91, the Fulbright Scholarship, The John Douglas French Alzheimer's postdoctoral fellowship, NIH Fogarty International Collaboration Award and the award „Josip Juraj Strossmayer“ (HAZU/ Zagrebački velesajam) for the best publisher enterprice in 2008: book "Metode u molekularnoj biologiji".


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


increased processing through the β-secretase pathway. Biochimica et Biophysica Acta (BBA) – Molecular Basis of Disease. 1802: 682-91.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

RESEARCH PROJECTS (in the past 5-years)

PI Projects

COGITO programme, Croatian-French research project (2019-2021)
Title: The molecular links between lipidome, brain vulnerability and apolipoprotein E

Croatian Science Foundation (CSF) – IP-2016-06-2799 (2017-2021)
Title: Molecular mechanism(s) of neurodegeneration in Niemann-Pick type C disease

Croatian Science Foundation (HRZZ) - “PhD mentorship project” (2015-2018)

Croatia-Serbia Cooperation in Science and Technology (2016-2018)
Title: Elucidating BACE1-substrate processing and distribution in a transgenic mouse model of Alzheimer’s disease and their potential role in the disease pathogenesis

International bilateral project between DAAD (Germany) and the Ministry of Science, Education and Sports of the Republic of Croatia (2016-2018)
Title: Elucidating BACE1 as a potential target for treating Niemann-Pick type C disease

FP7-People-2013-IEF (Marie Curie) (2014-2016), Coordinator/Mentor
Title: Presenilin 2 - a protector against Alzheimer’s disease

Swiss National Science Foundation - SCOPES: Joint Research Project (2014-2016)
Title: The molecular links between cholesterol homeostasis, membrane trafficking and Alzheimer’s disease

Title: Lysosomal dysfunction as a common mechanism of neurodegenerative diseases

Collaborative Projects

Croatian Science Foundation (CSF) - #9386 (2014-2018)
Title: Genetic mechanisms of lysosomal dysfunction in Parkinson's disease
Principal Investigator: dr. Fran Borovečki (Medical School, Univesity of Zagreb)


EU – COST Action – BM1402 - Development of a European network for preclinical testing of interventions in mouse models of age and age-related diseases (MouseAGE) (2015.-2017.)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE 4
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant Professor Tomislav Kelava

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected topics in transplantation immunology, Immunocytokines

BIOGRAPHY


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 22 APR 2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Croatian science foundation „The Role of Notch Signalling Pathway in Pathogenesis of Hepatic Fibrosis” 2018-2023, 40000 Eur/year, role: Principal Investigator)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Croatian science foundation „The Role of Notch Signalling Pathway in Pathogenesis of Hepatic Fibrosis” 2018-2023, 40000 Eur/year, role: Principal Investigator)


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: PETAR KES, professor (full professor in permanent occupation)

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: a full professor i permanent occupation (retired); Chair of the ERA-EDTA Activation Committee for Southern Europe and and Mediterranean countries - responsible for coordination and education in nephrology, dialysis and kidney transplants (on a voluntary basis)

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: KIDNEY TRANSPLANTATION

BIOGRAPHY:

Professor Petar Kes, born April 15, 1950 in Osijek, Croatia. Specialist of internal medicine and nephrology. Former head of Department of Dialysis and Transplantation in University Hospital Centre Zagreb, consultant-nephrologists, and professor of internal medicine and nephrology at School of Medicine University of Zagreb and visiting professor at School of Medicine University of J. J. Strossmayer in Osijek/Croatia.

Functions and obligations

Professor Petar Kes is a regular member the Croatian Academy of Medical Sciences (since 2000) and member of the Senate of the Croatian Academy of Medical Sciences (since 2016), past president (two mandates) of the Croatian Society of Nephrology, Dialysis and Transplantation, former gouverner (two mandates) of European Society of Artificial Organs; former president (2015 to 2017) of Balkan Association for Nephrology, Transplantation and Artificial Intelligence (BANTAO) organization and member of the management board of BANTAO (since 2009 until today); member of the Danube Association of Nephrology (DAN) board of directors from 2008 until today; Vice-President of ISN-GO for Central and Eastern Europe (The International Society of Nephrology - Global Outreach) since 2012; Council member of the Mediterranean Kidney Society; Delegate of the Croatian Medical Chamber and Croatian Society for Nephrology, Dialysis and Transplantation in UEMSA; National representative in KDIGO; Chair of the ERA-EDTA Activation Committee for Southern Europe and and Mediterranean countries.

Other duties

Member of the Commission for Awarding and Recognition of the Croatian Academy of Medical Sciences; former president of the Dialysis Commission of the Ministry of Health and Social Welfare of the Republic of Croatia from 2001 to 2004; Member of the National Board of the Republic of Croatia for Diagnosis, Prevention and Treatment of Hepatitis Patients; the head of a committees led by the Ministry of Health to address the problems of heavy aluminum intoxication in hemodialysis patients Sisak, an epidemic of hepatitis C in hemodialysis center in Slavonski Brod and in 2001, "Baxter affair", an tragic event when 23 patients died during dialysis in Zagreb, Pula, Dubrovnik, Požega, Karlovac and Rijeka. All three problems has been successfully solved in a very short time and without further consequences for dialysis patients.
Membership in professional medical societies: Croatian Medical Association, Croatian Society for Nephrology, Dialysis, and Transplantation, EDTA/ERCA, NKF, ISN, ASAIO, DGN, ASN, ISAO, ISPD, ISA/ISA, BANTAO and EASO.

Organizing activities: President of 3rd, 4th, and 5th Croatian Congress of Nephrology, Dialysis, and Transplantation; president of 12th BANTAO Congress; organizer and head of about 50 CME courses in nephrology, dialysis and renal transplantation at School of Medicine University of Zagreb; organizer of more than 60 national and international symposiums in the field of nephrology, dialysis, plasmapheresis and apheresis, kidney transplantation; co-founder of Croatian registry for renal replacement therapy; founder of the Croatian School of Kidney Transplantation in the Inter-University Centre in Dubrovnik.

Publications: 594 scientific, professional and review articles, 52 manuals in the field of nephrology, dialysis, kidney transplantation and therapeutic apheresis; three books, 41 chapters; > 400 peer reviewed; SCI citations > 2000.

Invited speaker: > 250 times on international meetings.


Scientific projects: principal investigator in 2 and co-investigator in 4 projects of Croatian Grant Agency of Ministry of Health; principal investigator in eight international projects.

Honors: More rewards for the most successful posters at international congresses; Award of capital of Zagreb for kidney transplantation; Award of Croatian Medical Association; Award of the Croatian Society of Nephrology, Dialysis and Transplantation; the Status of ERA-EDTA Distinguished Fellow for actively helping the Association in pursuing its goals.

Special field of interest: haemodialysis, peritoneal dialysis, kidney transplantation, uraemic toxicity, intensive care nephrology, clinical nephrology, therapeutic apheresis, multio organ failure end artificial organs.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: Professor with tenure in the area of Biomedicine and Health Sciences, field of Clinical Medical Science – Internal Medicine – elected: 11 July 2013.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS:
A total: 49 articles and chapters in books for a period of 5 years


Kes P. Sindromi trombotične mikroangiopatije. TIPKO, Zagreb 2016, str. 1-57. (knjiga)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

a) Scientific researcher:

1983th to 1987th Scientific-research project "Hormonal receptors in patients with cancer of larynx, hypopharynx and nasopharynx", within the framework of program V-62/0134 financed by SIZ V for the scientific work of the Republic of Croatia.

1987th to 1991st Scientific and research project "Hormone and metabolic factors in chronic neendocrine diseases", No. 1.08.03.08.10, bounded by the SIZ of Science of the Republic of Croatia.

1991th to 1996th Scientific project "Metabolic and Hormone Factors in the Development of Atherosclerosis" - no. 3-01-034, funded by the Ministry of Science and Technology of the Republic of Croatia.

1996 - Scientific project "Metabolic and Hormonal Risk factors for atherosclerosis" - no. 108187 - funded by the Ministry of Science and Technology of the Republic of Croatia, which was rated by the Ministry one of the highest marks (107.6 points).

2009 - 2016. Principal Investigator: "Prevention, Early Recognition and Treatment of Chronic Renal Failure" (108-0000000-3499), Faculty of Medicine, Zagreb. It is rated with the highest rating.

b) Professional projects

2003 - 2004 Principal Investigator. The project "Multicenter, double-blind, randomized, parallel testing of the efficacy and safety of epoetin alfa (Pliva) and epoetin alfa (Janssen-Cilag) in the treatment of hemodialysis patients with chronic kidney failure" - financed by Pliva d.d., Croatia.


2003 to 2006 Researcher. Project: Observation, nonintervention, global study of clinical outcome in one group of renal transplant recipients who started at least six months after kidney transplantation with long-acting immunosuppressive therapy with CellCept. (M 55025). Hoffmann La-Roche, Switzerland.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2009 - 2016. Principal Investigator: "Prevention, Early Recognition and Treatment of Chronic Renal Failure" (108-0000000-3499), Faculty of Medicine, Zagreb. It is rated with the highest rating.


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

Magisterium (3), Doctorates (10)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Yacoub A. Khalaf, MB BCh MSc MD FRCOG

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Consultant and Senior Lecturer in Reproductive Medicine, King’s College London, UK

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Human Reproduction

BIOGRAPH

EDUCATION

1984 MB, BCh (Hons)
1988 MSc (Hons)
1994 MD

CERTIFICATION

1995 MRCOG
1995 MFFP
2000 CCST Specialist Training Authority, London, UK
2000 Certificate of Completion of Subspecialty Training (SST) in Reproductive Medicine Specialist Training Authority, London, UK

REGISTRATION AND ACCREDITATION

Full General Medical Council registration (4228291)
CCST (Obstetrics and Gynaecology) and SST accreditation, (May 2000)
GMC Specialist Register, with sub-specialisation in Reproductive Medicine.

PRESENT POST

2002 → Consultant in Reproductive Medicine and Surgery, Guy’s & St. Thomas’ NHS Foundation Trust, Department of Women’s Health,
2004 → Medical Director and HFEA Person Responsible, Assisted Conception Unit,
2011 → Director of the Pre-implantation Genetic Diagnosis Programme at Guy’s & St. Thomas’ NHS Foundation Trust, Department of Women’s Health

PREVIOUS HOSPITAL APPOINTMENTS
2000→ Subspecialty Fellow in Reproductive Medicine (Honorary Senior Registrar), Guy’s & St. Thomas’s Hospital

1998→ RCOG Subspecialty Trainee in Reproductive Medicine (Honorary Senior Registrar), Guy’s & St. Thomas’s Hospitals

1997→ Clinical Research Fellow in Reproductive Medicine (Honorary Senior Registrar), Guy’s & St. Thomas’s Hospitals

1996→ Lecturer in Obstetrics & Gynaecology (Honorary Senior Registrar), Guy’s & St. Thomas’s Hospitals, 1st October 1996 to 28th February 1997

1995→ Clinical Research Fellow in Reproductive Medicine (Honorary Senior Registrar), St. Thomas’ Hospital

1994→ Lecturer in Obstetrics & Gynaecology, Assiut University, Assiut, Egypt.

ACADEMIC APPOINTMENTS

2003→ Honorary Senior Lecturer in Reproductive Medicine and Surgery, King’s College, London

2014→ Visiting Professor University of South Valley, Qena, Egypt

2015→ Visiting Professor University of Aswan, Egypt

OTHER APPOINTMENTS

HFEA Authority Board Member, 2014-

Executive Officer of the British Fertility Society, 2014-

Chair of the Scientific and Clinical Advances Committee of the HFEA 2016-

Chair of the RCOG National Clinical Studies group in Reproductive Medicine & Surgery 2015-

Member of the RCOG Research Committee 2015-

Expert advisor to the National Institute for Health Care & Clinical Excellence (NICE) 2014-

Associate Editor of the RBM online Journal 2012-

Grant Reviewer for the National Institute for Health Research in the UK 2009-

TEACHING

Undergraduate MBBS (Lectures, seminars, tutorials)

BSc reproductive and sexual health

MSc in clinical biochemistry
DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Antonio Capalbo, Maria Ubaldi Filippo, Danilo Cimadomo, Laila Noli, Yakoub Khalaf, Alessio Farcomeni, Dusko Ilic, Laura Rienzi: MicroRNAs in spent blastocyst culture medium are derived from trophectoderm cells and can be explored for human embryo reproductive competence assessment. Fertility and sterility 10/2015; 105(1).

H Hamoda, L Pepas, F Tasker, J Reidy, Y Khalaf: Intermediate and long-term outcomes following uterine artery fibroid embolization. European journal of obstetrics, gynecology, and reproductive biology 05/2015; 191.


undergoing ovarian stimulation for IVF. Reproductive biomedicine online 01/2015; 30(5). DOI:10.1016/j.rbmo.2015.01.005


Liani Devito, Anastasia Petrova, Cristian Miere, Stefano Codognotto, Nicola Blakely, Archie Lovatt, Caroline Ogilvie, Yacoub Khalaf, Dusko Ilic: Cost-Effective Master Cell Bank Validation of Multiple Clinical-Grade Human Pluripotent Stem Cell Lines From a Single Donor. STEM CELLS TRANSLATIONAL MEDICINE 08/2014; 3(10).


Braude P, Khalaf Y. Evidence-based medicine and the role of the private sector in assisted reproduction: a response to Dr Fishel's commentary 'Evidenced-based medicine and the role of the National Health Service in assisted reproduction'. Reproductive Biomedicine Online 2013 Nov;27(5):570-2


Khalaf Y. Cassandra's prophecy and the trend of delaying childbearing: is there a simple answer to this complex problem? Reproductive Biomedicine Online 2013 Jul;27(1):17-8


Hamoda H, Pepas L, Freed C, Grace J, Khalaf Y, Braude P, El-Toukhy T. Outcomes of ovarian stimulation in a two-day oocyte collection week with PGD cycles compared to a five-day oocyte collection week with


Ross C; Morriss A; Khairy M; Khalaf Y; Braude P; Coomarasamy A; El-Toukhy T. Systematic review of the effect of oral antioxidants on male infertility. RBM online 2010;20(6):711-23.


Kunde K; Cortes E; Seed P; Khalaf Y. Evaluation of perioperative morbidity associated with single and multiple myomectomy. Journal of obstetrics and gynaecology 2009;29(8):737-41


Khalaf Y; El-Toukhy T; Coomarasamy A; Kamal A; Bolton V; Braude P. Selective single blastocyst transfer reduces the multiple pregnancy rate and increases pregnancy rates: a pre- and post-intervention study. BJOG : an international journal of obstetrics and gynaecology 2008;115(3):385-90.


Johnson A; El-Toukhy T; Sunkara S K; Khairy M; Coomarasamy A; Ross C; Bora S; Khalaf Y; Braude P. Validity of the in vitro fertilisation league tables: influence of patients characteristics. BJOG: International Journal of Obstetrics and Gynaecology 2007; 114 (12):1569-74.
Sunkara Sesh Kamal; Tuthill Josephine; Khairy Mohammed; El-Toukhy Tarek; Coomarasamy Arri; Khalaf Yacoub; Braude Peter. Pituitary suppression regimens in poor responders undergoing IVF treatment: a systematic review and meta-analysis. RBM online 2007; 15(5):539-46.


Khalaf Y; El-Toukhy Tarek. Single embryo transfer in preimplantation genetic diagnosis cycles for women 36 years does not reduce delivery rate. Hum Reprod. 2007; 22(9):2575-6.

Khairy Mohamed; El-Toukhy Tarek; Emovon Emanuel; Khalaf Yacoub. Hydrothorax as the sole manifestation of ovarian hyperstimulation syndrome: unusual case and literature review. RBM Online 2007; 14(6):715-7.

Grace J; Bolton V; Braude P; Khalaf Y. Assisted hatching is more effective when embryo quality was optimal in previous failed IVF/ICSI cycles. Journal of Obstetrics and Gynaecology: 2007;27(1):56-60.

Grace J; El-Toukhy T; Scriven P; Ogilvie C; Pickering S; Lashwood A; Flinter F; Khalaf Y; Braude P. Three hundred and thirty cycles of preimplantation genetic diagnosis for serious genetic disease: clinical considerations affecting outcome. BJOG: an international journal of obstetrics and gynaecology 2006;113(12):1393-401.

Brook N; Khalaf Y; Coomarasamy A; Edgeworth J; Braude P. A randomized controlled trial of prophylactic antibiotics (co-amoxiclav) prior to embryo transfer. Hum. Reprod. 2006;21(11):2911-5.

Khalaf Y; Ross C; El-Toukhy T; Hart R; Seed P; Braude P. The effect of small intramural uterine fibroids on the cumulative outcome of assisted conception. Hum. Reprod. 2006; 21(10):2640-4.

Lambalk C B; Leader A; Olivennes F; Fluker M R; Andersen A Nyboe; Ingerslev J; Khalaf Y; Avril C; Belaisch-Allart J; Roulier R; Mannaerts B. Treatment with the GnRH antagonist ganirelix prevents premature LH rises and luteinization in stimulated intrauterine insemination: results of a double-blind, placebo-controlled, multicentre trial. Hum. Reprod. 2006; 21(3):632-9.


El-Toukhy T; Khalaf Y; Al-Darazi K; O’Mahony F; Wharf E; Taylor A; Braude P. Cryo-thawed embryos obtained from conception cycles have double the implantation and pregnancy potential of those from unsuccessful cycles. Human Reproduction (Oxford, England) 2003; 18(6):1313-8.
El-Toukhy Tarek; Khalaf Yacoub; Al-Darazi Khaloud; Andritsos Vicky; Taylor Alison; Braude Peter. Effect of blastomere loss on the outcome of frozen embryo replacement cycles. Fertility and Sterility 2003; 79(5):1106-11

Khalaf Y; El-Toukhy Tarek; Taylor A; Braude P. Increasing the gonadotrophin dose in the course of an in vitro fertilization cycle does not rectify an initial poor response. European Journal of Obstetrics, Gynaecology, and Reproductive Biology 2002;103 (2):146-9.


Hart R; Khalaf Y; Yeong C T; Seed P; Taylor A; Braude P. A prospective controlled study of the effect of intramural uterine fibroids on the outcome of assisted conception. Human Reproduction (Oxford, England) 2001; 16(11):2411-7


Khalaf Y; Taylor A; Braude P. Low serum estradiol concentrations after five days of controlled ovarian hyperstimulation for in vitro fertilization are associated with poor outcome. Fertility and Sterility 2000;74(1):63-6.


Khalaf Y; Anderson H; Taylor A; Braude P. Two rare events in one patient undergoing assisted conception: empty follicle syndrome and ovarian hyperstimulation with the sole administration of a gonadotropin-releasing hormone agonist. Fertility and Sterility 2000; 73(1):171-2.


Mascarenhas L; Khalaf Y; Lee S. Funding of contraceptive implants is crucial. BMJ (Clinical research ed.) 1997; 314(7082):750.
Sharif K; Afnan M; Lenton W; Bilalis D; Hunjan M; Khalaf Y. Transmyometrial embryo transfer after difficult immediate mock transcervical transfer. Fertility and Sterility 1996; 65(5):1071-4.


REVIEW ARTICLES


2. Pre-implantation Genetic Diagnosis. Obstetrics, Gynaecology and Reproductive Medicine 2007; 17:17-21

3. Tubal subfertility. BMJ 327 (7415): 610


BOOK CHAPTERS


Sesh Kamal Sunkara & Yakoub Khalaf GnRH Antagonists in ovarian stimulation in Principles and Practice of Controlled Ovarian Stimulation – Surveen Ghumman, Springer. USA.

1 Chapter in RIZK: Ultrasonography in Reproductive Medicine & Infertility

3 Chapters in Sharif and Coomarasmay. Challenges in ART and management

1 Chapter in ABC of subfertility (published by BMJ)

1 Chapter in ABC of PGD

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Marta N. Shahbazi, Agnieszka Jedrussik, Sanna Vuoristo, Gaelle Recher, Anna Hupalowska, Virginia Bolton, Norah M. E. Fogarty, Alison Campbell, Liani G. Devito, Dusko Ilic, Yakoub Khalaf, Kathy K. Niakan, Simon...


Antonio Capalbo, Maria Ubaldi Filippo, Danilo Cimadomo, Laila Noli, Yacoub Khalaf, Alessio Farcomeni, Dusko Ilic, Laura Rienzi: MicroRNAs in spent blastocyst culture medium are derived from trophectoderm cells and can be explored for human embryo reproductive competence assessment. Fertility and sterility 10/2015; 105(1).

H Hamoda, L Pepas, F Tasker, J Reidy, Y Khalaf: Intermediate and long-term outcomes following uterine artery fibroid embolization. European journal of obstetrics, gynecology, and reproductive biology 05/2015; 191.


S Seshadri, T El-Toukhy, A Douiri, K Jayaprakasan, Y Khalaf: Diagnostic accuracy of saline infusion sonography in the evaluation of uterine cavity abnormalities prior to assisted reproductive techniques: A


Liani Devito, Anastasia Petrova, Cristian Miere, Stefano Codognotto, Nicola Blakely, Archie Lovatt, Caroline Ogilvie, Yacoub Khalaf, Dusko Ilic: Cost-Effective Master Cell Bank Validation of Multiple Clinical-Grade Human Pluripotent Stem Cell Lines From a Single Donor. STEM CELLS TRANSLATIONAL MEDICINE 08/2014; 3(10).


Braude P, Khalaf Y Evidence-based medicine and the role of the private sector in assisted reproduction: a response to Dr Fishel's commentary 'Evidenced-based medicine and the role of the National Health Service in assisted reproduction'. Reproductive Biomedicine Online 2013 Nov;27(5):570-2


Khalaf Y. Cassandra's prophecy and the trend of delaying childbearing: is there a simple answer to this complex problem? Reproductive Biomedicine Online 2013 Jul;27(1):17-8


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Ongoing Research Support


TABLET Study: A randomised controlled trial of the Efficacy and Mechanism of Levothyroxine Treatment on Pregnancy and Neonatal Outcomes in Women with Thyroid Antibodies. Sponsor: Birmingham Clinical Trials Unit. Role: Principal investigator

TRUST – IVF study: A randomised controlled trial comparing Transvaginal Ultrasonography versus Saline Sonography Trial in patients having their IVF treatment. Sponsor: Guy’s ACU. Role: PI

ESPART study: A Phase III, Randomized, Controlled, Single-Blind, Multicentre, Parallel Arm Trial to Assess the Efficacy and Safety of Pergoveris® (follitropin alfa and lutropin alfa) and GONAL-f® (follitropin alfa) for Multifollicular Development as part of an Assisted Reproductive Technology Treatment Cycle in Poor Ovarian Responders, as defined by the European Society of Human Reproduction and Embryology Criteria. Sponsor: Merck Serono. Role: PI

HTA project reference number: 08/38/01 First trimester progesterone therapy in women with a history of unexplained recurrent miscarriages: A randomised, double-blind, placebo-controlled, multi-centre trial [The PROMISE (PROgesterone in recurrent MIScarriage) Trial] HTA project reference number: 08/38/01. Role: PI

ESHRE/European Academy sponsored project A multi-centre randomised controlled study of pre-IVF outpatient hysteroscopy in women with recurrent IVF implantation failure: Trial of Outpatient Hysteroscopy - [TROPHY] in IVF. Role: Investigator /Trial Advisor

A Phase III assessor-blinded randomised parallel group multi-centre study to compare efficacy and safety of two r-hFSH formulations (AFOLIA vs Gonal-f®) in women for assisted reproductive treatment. EUDRACT No: 2010-019287-37. Role: PI

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Same as above.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor, IVICA KLAPAN

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine J.J. Strossmayer University in Osijek

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Telemedicine

BIOGRAPHY

Degree, Vocation and Occupation:
Professor, MD, PhD, Scientific adviser; Professor of Otorhinolaryngology, Head and Neck Plastic Surgery, School of Medicine, University of Zagreb, School of Medicine J.J. Strossmayer University in Osijek, and Faculty of Dental Medicine and Health J.J. Strossmayer University in Osijek, Republic of Croatia, EU

Surgical and Scientific Fields of Interest: rhinosinusology, functional endoscopic sinus surgery (FESS), plastic and reconstructive surgery of the head and neck, 3D navigation-computer assisted FES-surgery (3D-CA-NESS), telesurgery (tele-3D-CA-NESS), virtual endoscopy and surgery (VE, VS) of the head and neck, chronic sinusitis – immunobiochemical characteristics, rhinophotodynamic therapy (RPDT) of sinonasal polyposis

Fields of Expert Activities: rhino surgery (nose/sinuses/skull base), plastic and reconstructive surgery of the head and neck, functional endoscopic sinus surgery (FESS), 3D-navigation-computer assisted FES-surgery (3D-CA-NESS), computerized plastic reconstructive surgery (C-FPS)

1978-1983 Medical School, University of Zagreb, Croatia, EU
1983 Thesis "Conversion of solid neoplasms into ascites tumors", Department of Physiology and Immunology, School of Medicine, University of Zagreb, Croatia (mentor: Prof. Dr. Filip Ćulo)
1983-1986 Postgraduate Study "Clinical Immunology and Allergology", School of Medicine, University of Zagreb, Croatia, EU
1986 Master's Degree (MMS) "The influence of cyclophosphamide on tumor-specific immunity. Induction of antitumor immunity in mice bearing advanced tumor", Department of Physiology and Immunology, School of Medicine, University of Zagreb, Croatia, EU (mentor: Prof. Dr. Filip Ćulo)
1986-1989 Residency Department of Otorhinolaryngology, Head and Neck Surgery, School of Medicine, University of Zagreb/Zagreb University Clinical Hospital Center
1989-1990 Eye and Ear Institute, Department of Otorhinolaryngology–Head & Neck Surgery, University of Pittsburgh, Pittsburgh, PA, USA
1987-1989 Postgraduate Study "Otorhinolaryngology, Head and Neck Surgery", School of Medicine, University of Zagreb
1990 (May) Doctor's Degree (PhD), "Prognostic significance of in vivo and in vitro prostaglandin E2 production by squamous cell carcinoma of the head and neck", Department of Otorhinolaryngology-Head and Neck Surgery, University of Zagreb, Croatia
1990 (Dec.) Specialization, Otorhinolaryngology- Head and Neck Surgery , Department of ENT, Head and Neck Surgery, University Clinical Hospital Center "Sisters of Charity", Zagreb, Croatia, EU
1990-1992 Sub-residency , Head and Neck Plastic Surgery, Department of ENT, Head and Neck Surgery, School of Medicine, University of Zagreb, and Zagreb University Clinical Hospital Center

Education/Training at a Number of Renowned International Departments and Institutes:
1989-1990 Eye & Ear Institute, Department of Otorhinolaryngology–Head & Neck Surgery, University of Pittsburgh, Pittsburgh, PA, USA
1989-1990 Division of Head and Neck Oncology and Immunology, and Immunologic Monitoring and Diagnostic Laboratory, Pittsburgh Cancer Institute, University of Pittsburgh, Pittsburgh, PA, USA
1993 University ENT-Clinic, LKH Graz, Austria, EU
1994 The Institute of Laryngology and Otology With the Ferens, London, Great Britain, EU
1997 Cottle International Rhinology Centennial, Philadelphila, PA, USA
Professional Positions, Employment After Residency:
1990 Assistant, cumulative employment, clinical-scientific field of ENT, Head and Neck Surgery, Zagreb University School of Medicine, and Department of Otorhinolaryngology, H&N Surgery, University Clinical Hospital Center Zagreb
1996 Assistant Professor, cumulative employment, clinical-scientific field of ENT, head and neck surgery; Zagreb University School of Medicine, and Department of Otorhinolaryngology, H&N Surgery, University Clinical Hospital Center Zagreb
2000 Associate Professor, cumulative employment, clinical-scientific field of ENT, head and neck surgery; Zagreb University School of Medicine, and Department of Otorhinolaryngology, H&N Surgery, University Clinical Hospital Center Zagreb
2000 Visiting Professor, Eye and Ear Institute, Department of Otorhinolaryngology, Head and Neck Surgery, University of Pittsburgh, Pittsburgh, PA, USA
2000 Distinguished Faculty, Mayo Clinic, and American Rhinologic Society, Washington, D.C., USA
2004 Professor, cumulative employment, clinical-scientific field of ENT, head and neck Surgery; Zagreb University School of Medicine, and Department of Otorhinolaryngology, H&N Surgery, University Clinical Hospital Center Zagreb
2004 Visiting Professor, Department of Cranio-Maxillo-Facial Surgery, Bavarian Julius Maximilian University, Würzburg, Germany
2009 Professor, cumulative employment, clinical-scientific field of Otorhinolaryngology, head and neck surgery; Josip Juraj Strossmayer University School of Medicine in Osijek
2017 Professor, cumulative employment, clinical-scientific field of Otorhinolaryngology, head and neck surgery; Faculty of Dental Medicine and Health, Josip Juraj Strossmayer University in Osijek, Republic of Croatia, EU

Duties, Selected Administrative, Advisory, and Honorary Posts:
2000-2017 Head, Course on Telemedicine, Scientific Postgraduate Study at School of Medicine, University of Zagreb, Zagreb
2000-2009 Chairman, Croatian Society of Telemedicine, Croatian Medical Association (CMA)
2006-2009 President, Section of Rhinology, Croatian Medical Association (CMA)
2007 Chair, Department of Otorhinolaryngology, Head and Neck Surgery, Šalata 4, School of Medicine, University of Zagreb
2007-2017 Head, Course on Telemedicine, scientific postgraduate study at School of Medicine, J. J. Strossmayer University, Osijek
2015-2017 Secretary, Croatian Rhinology Society (CRS)
2017 Editorial Board Member, IL Journal of Otolaryngology and Rhinology, Wilmington, DE, USA
2017 Editorial Board Member, Frontiers in Otolaryngology-Head and Neck Surgery (FOHNS) Applis Publishers, Scottsdale, AZ, USA.

Professional Success in Medical Practice:
1992 Klapan I et al. Prognostic significance of plasma PGE concentration in patients with head and neck cancer. J Cancer Res Clin Oncol 1992;118:308-13, chosen by the Editorial Department of Clinical Digest Series – Oncology Digest, Northbrook, IL, USA, have been published in an abridged form as being highly relevant for the scientific field of ENT
1994 The first 3D-navigation-computer assisted functional endoscopic nose and sinus operation (3D-CA-NES) in Croatian medicine, as one of the first operations of this type in the world (June 3rd)
1995 The set hypothesis on the possible effect of AAm leukotriene C4 (LTC4) on creating conditions for
the development of paranasal sinus mucosa lesions, and thus for the onset of sinonasal polyps (SNp), was subsequently fully confirmed; published in the leading medical periodicals (Am J Otolaryngol, 1995; CC)

1996 The first formal telemedicine (tele-radiology-otorhinolaryngology) video conference in Croatia (May)

1998 The first Tele-3D-navigation-computerized-endoscopic operations of the nose, sinuses and scull base (Tele-3D-CA-NES), for the first time in the world medicine, thus initiating a completely new era in the development of 21st century medicine worldwide. This achievement has been acknowledged by a special note in the American Academy of Otolaryngology – Head & Neck Surgery Monograph,

1999 Klapan I et al. Azithromycin and amoxicillin/clavulanic acid in the treatment of acute sinusitis. Am J Otolaryngol 1999;20:7-11 has been chosen by Pfizer, Inc., USA and Grupo Editorial Moreira and Journal Revista Brasileira de Medicina, Brazil, for special issuing and use in the USA and Brazil for its high relevance for the scientific field of ENT

Admitted as Full Member to the Most Prestigious International Medical Academies/Commissions/Societies:
Collegium Otorhinolaryngologicum Amicitiae Sacrum (CORLAS)
Royal Society of Medicine of Great Britain (London)
Board, International Society for Telemedicine and e-Health (ISfTeH; Luxembourg)
International Confederation for Plastic Reconstructive and Aesthetic Surgery
European Academy of ORL and Head & Neck Surgery (EAORL-HNS)

Membership in the Most Prestigious Croatian National University Boards:
2009-2010 Accreditation Board of the Agency for Science and University Education of the Republic of Croatia

Scientific Projects:
4 (four) Croatian Projects; Team member, 10 (ten) Croatian Projects; Principal Investigator, launched by the Ministry of Science, Croatia, and 2 (two) USA Projects; Team member

Invited Lectures:
>450 lectures (invited lecturer, moderator, president), held at numerous universities, academies, international congresses, symposia and surgical courses in the USA, EU, Asia and Australia, organized by International Federation of ORL Societies (IFOS), European Federation of ORL Societies (EUFOS), European Rhinologic Society (ERS), American Rhinologic Society (ARS), and European Academy of ORL and Head & Neck Surgery (EAORL-HNS).


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Ćulo, F; Klapan, I; Katić, V; Kolak, T; Bakula, B. Production of prostaglandin E by squamous carcinoma of the head and neck and adenocarcinoma of gastrointestinal tissue. // Medical oncology and tumor pharmacotherapy. 9 (1992) , 1; 35-39


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Marijan Klarica, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pathophysiology of the brain and the CSF; Methods of investigation in vivo and in vitro

BIOGRAPHY

Marijan Klarica was born on August 21, 1960 in Benkovac, Croatia. He is a citizen of Croatia, married with two children. From 1979 to 1984 he studied and graduated from the School of Medicine in Zagreb and from 1985 to 1986 he finished his medical practice and passed a medical exam. In 1986 - 87 he served his military term, 1985 - 1988 he attended postgraduate studies in Preclinical Experimental Pharmacology at the Medical Pharmacology in Zagreb and defended his master's thesis entitled "Role of Osmotic Active Substances in Intracranial Pressure Control". In 1992 he defended the dissertation "The role of osmolality of liquor in the pathophysiology of intracranial pressure" at the School of Medicine in Zagreb.

In 1985 he was appointed as an associate professor at the Department of Pharmacology. In 1988 he was appointed Scientific Assistant at the Department of Pharmacology and after his defence in 1992, he was elected as Senior Assistant at the same Institute. From 1991 to 1993 he worked at the Main Medical Department of the Republic of Croatia (organizes collection and distribution of medicines and sanitary materials according to needs). From 1994 to 1995 he was in postdoctoral training at Synthelabo Recherche in France (Paris). He was an assistant professor at the Department of Pharmacology of the Faculty of Medicine in Zagreb was from 1997-2002. From 2002 to 2007 he was associate professor at the Department of Pharmacology of the Faculty of Medicine in Zagreb. Since 2007, he has been a full professor (since 2012 in permanent vocation) at the Department of Pharmacology of the Faculty of Medicine in Zagreb. From 1998 to 2000 he was appointed by the dean as acting director of the Center for Clinical Application of Neuroscience, Zagreb. Since 2000 he has been appointed Director of the Center for Clinical Application of Neuroscience and has been performing this function until 2009. Since 2009 he has been elected as a vice-dean for finances and operations of the School of Medicine, University of Zagreb. From the academic year 2012/13, he is the head of the Department of Pharmacology at the School of Medicine University of Zagreb. In the mandate period from 2015/2016 to 2017/2018 he was dean of the Faculty of Medicine of the University of Zagreb and has been re-elected for the second term in the period 2018/2019 – 2020/2021.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Nankai M, Klarica M, Fage D, Carter C. Evidence for native NMDA receptor subtype pharmacology as revealed by differential effects on the NMDA-evoked release of striatal neuromodulators: eliprodil, ifenprodil, and other native NMDA receptor subtype selective compounds. Neurochem Int 29 (5): 529-542; 1996

Nankai M, Klarica M, Fage D, Carter C. The pharmacology of native N-methyl-D-aspartate receptor subtypes: different receptors control the release of different striatal and spinal transmitters. Progress in Neuropsychopharmacology and Biological Psychiatry 22: 35-64; 1998


Orešković D, Klarica M, Vukić M. Does the secretion and circulation of the cerebrospinal fluid really exist? Medical Hypotheses 56 (5) 622-624; 2001


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

a) Scientific projects - associate in projects prof. M. Bulaša "Pathophysiology of cerebrospinal fluid" from 1986 to 2001, financed by the Ministry of Science and Technology of the Republic of Croatia and on M. Bulaša's project "Biochemical dynamics of cerebrospinal fluid" 1987-1990. which was funded by the US-Yugoslav Joint Board.

Principal investigator of the project "Pathophysiology of cerebrospinal fluid and intracranial pressure" (2002-2006). He was also a rector of projects reported to the Croatian Ministry of Education. The implemented projects have had a significant impact on the development of the scientific area that the gateway deals with.

The main researcher of the project entitled "Pathophysiology of cerebrospinal fluid and intracranial pressure" (project was co-ordinated by the Ministry of Science and Technology 2007-2014). This project was part of the program "Cerebrospinal Pathophysiology and Ultrasound" (2007-2014), which was contracted with the Ministry of Science and Education, and Marijan Klarica is the head of the program (consisting of 7 projects).

He is a co-author of a project derived from a scientific program funded by the Croatian Foundation for Science (HRZZ project 4996 "Ultrasound system for complex material parameters determination in nonlinear working conditions", from 01.09.2014 to 31.08.2017).

Head of Department and five university projects for 2013, 2014, 2015, 2016 and 2017 (title: "Pathophysiology of cerebrospinal fluid and intracranial pressure"). He is now an associate and research team leader on the Project of the Research Center of Excellence from Basic Trending and Clinical Neuroscience "Hypoxic Ischemic Brain Damage Research" (2017-2021).

b) Technological projects

The principal investigator of the two technology projects "Neurosurgical Endoscopic Contact Ultrasonic Probe - Knife" of the Ministry of Science and Education (2002-2004), and "Technological Development and Development of Microsurgical Ultrasonic Probe-Blade Prototype Prototypes", 2006-2007, which resulted in four prototypes new ultrasound devices (NECUP-2 and UMPROMS-1) for use in endoscopic neurosurgery and in various microsurgical operations.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Head of Department and five university projects for 2013, 2014, 2015, 2016 and 2017 (title: "Pathophysiology of cerebrospinal fluid and intracranial pressure"). He is now an associate and research team leader on the Project of the Research Center of Excellence from Basic Trending and Clinical Neuroscience "Hypoxic Ischemic Brain Damage Research" (2017-2021).
He is a co-author of a project derived from a scientific program funded by the Croatian Foundation for Science (HRZZ project 4996 "Ultrasound system for complex material parameters determination in nonlinear working conditions", from 01.09.2014 to 31.08.2017).

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

4
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: NATASA KLEPAC

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: CLINICAL UNIVERSITY HOSPITAL ZAGREB


BIOGRAPHY

Identification number from Records of Scientific Workers 278762

WORK EXPERIENCE

• Dates (from – to) 1997-1998, Clinical hospital Merkur, traineeship
• Dates (from – to) 2000-2002, Medical School, University of Zagreb, Department of Neurology, Research fellow
• Dates (from – to) 2002 until know, University Hospital Centre Zagreb, Clinical neurologist

EDUCATION

Date 1997, Medical School University of Zagreb, MD

TRAINING

Year 2002 until 2007, Medical School University of Zagreb, Residence in neurology

Year 2004, Medical School University of Zagreb, Master of science (Oxidative stress in Huntington’s disease)

Year 2009, Medical School University of Split, Doctoral dissertation (PhD)

ORGANIZATION

Member, Organizing Committee for “3 th Dilemmas in Neurology”, Šibenik October 17 - 21, 2012

President, Organizing Committee for “A practical approach to patients with dementia”, Zagreb, June 07, 2013

President, Organizing Committee for “A practical approach to patients with dementia (Alzheimer’s disease)”, Zagreb, May 23, 2014

Member, Organizing Committee for “4 th Dilemmas in Neurology”, Rovinj September 30 - October 05, 2014

Secretary, Organizing Committee for Croatian Congress on Alzheimer’s disease, Brela October 01-04, 2014

President, Organizing Committee for “A practical approach to patients with dementia (Alzheimer’s and Parkinson’s disease, Lewy body disorder)”, Zagreb, May 22, 2015

MEMBERSHIPS

2014-present Member of the Supervisory Board, Croatian Association for Alzheimer’s disease

2013 –present Vice-president, Croatian Medical Association for Alzheimer’s disease

2015-present Member of the Steering Committee, Center for palliative medicine, medical ethics and communication skills

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2013
LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Relja M, Klepac N. From gene to therapy-Chorea Huntington. Biochem Medica 2002 12:35-41 Relja M.

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Klinička farmakologija poremećaja , Klostridijski neurotoksini i mozek, Sustava poremećaja kortikalnih funkcija u neurološkim bolestima

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Klinička farmakologija poremećaja , Klostridijski neurotoksini i mozek, Sustava poremećaja kortikalnih funkcija u neurološkim bolestima
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: dr.sc. Ana Knezović

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of investigation in vivo and in vitro

BIOGRAPHY

dr.sc. Ana Knezović, dipl.ing.biol.

Department of pharmacology, School of Medicine University of Zagreb, Šalata 11 (ana.knezovic@mef.hr)

EDUCATION: dipl. ing. molecular biology (2008; Faculty of Science, Zagreb), PhD (2015; School of Medicine, Zagreb). EMPLOYMENT: PhD student - assistant (2009), Post Doc - assistant (2015). SCIENTIFIC RESEARCH EXPERIENCE: Department of Psychiatry, Psychosomatics and Psychotherapy, University Clinic Würzburg, Germany (2009,2010, 2012, 2013, 2017); University of Texas Medical Branch, Galveston, USA (2011). ASSOCIATE ON PROJECTS: 2x HRZZ, 1xMZOŠ, 1xUKF, 4xDAAD, 6x University of Zagreb.

SUPERVISOR: 1x diploma thesis. awards of supervised students: 1x rector's award. SCIENTIFIC PRODUCTIVITY: 9 research articles, >40 congress abstracts, 167 heterocitation (WoS), h-index 6. AWARDS: National science award for 2015 (for PhD students); 6 travel grants for international conferences and schools; 2 awards for the best poster at congress. SCIENTIFIC INTEREST: neuroscience, neuropharmacology, experimental Alzheimer's disease. TEACHING ACTIVITIES: integrated study; Pharmacology course/studies in medicine in Croatian and English; Doctoral study Biomedicine and health: course - In vitro and in vivo research methods; doctoral study Neuroscience: course - Principles of hormone receptor intracellular signaling in central nervous system. MEMBERSHIPS: member of Croatian Pharmacological society and Croatian society for Neuroscience.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: July 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1) CSF research projects (associate) 2018 – 2022 „Mechanisms of nutrient-mediated effects of endogenous glucagon-like peptide -1 on cognitive and metabolic alterations in experimental models of neurodegenerative disorders (NutrientGLP-1)”; 2015 - 2018 „THERAPEUTIC POTENTIAL OF ORAL GALACTOSE IN EXPERIMENTAL ALZHEIMER’S DISEASE (GALAD)” (PI prof. Šalković-Petrišić)

2) DAAD/MZOŠ bilateral project (associate) 2017 – 2018 „Molecular characterization of the therapeutic galactose potential as a new strategy in Alzheimer’s disease treatment” (PI prof. Šalković-Petrišić)

3) Scientific center for excellence (ZCI) in basic, clinical and translational neuroscience (associate) 2017 – 2022 (HIIM, PI prof. dr. sc M. Judaš), associate in research group 2 „New biomarkers of aging, Alzheimer’s disease, vascular dementia and other brain disorders with insulin resistance” (PI prof. dr. sc. G. Šimić)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1) UKF research project (associate) 2010-2012 „Cytopathological characterization of the brain in a rat model of sporadic Alzheimer’s disease”

2) University of Zagreb projects (associate) 2013 – 2018
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Jelena Knežević, PhD, senior research associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Institut Ruđer Bošković

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Translational medicine - from disease to gene

BIOGRAPHY

EDUCATION:
- 2008. PhD: Faculty of Natural Science, University Zagreb, Croatia
- 2004 Master degree: Faculty of Natural Science, University Zagreb, Croatia
- 1995 Diploma degree: Faculty for food biotechnology, University of Osijek, Croatia

POSITIONS:
2018. - Senior Research Associate; Ruđer Bošković Institute, Zagreb, Croatia
2011 – 2018. Research Associate; Ruđer Bošković Institute, Zagreb, Croatia
2008 – 2011 Postdoctoral position; Ruđer Bošković Institute, Zagreb, Croatia
2002 – 2008 PhD position; Ruder Bošković Institute, Zagreb, Croatia
2001 – 2002 PhD student; School of Medicine, University of Zagreb, Croatia

FELLOWSHIPS:
2009 – 2011 German Cancer Research Center (DKFZ), Heidelberg, Germany; Fellowship for Guest scientists, postdoctoral position
2012 – 2016 Institute for Human Genetics, Univerzitats Medicine, Mainz, Germany; visiting scientist

TEACHING ACTIVITIES:
A) Graduate courses

B) Post-graduate courses
2. Faculty of Natural Science, University of Zagreb; Translational Medicine
3. School of Medicine, University in Zagreb, Zagreb – Translational Medicine – from disease to gene

ORGANISATION OF SCIENTIFIC MEETINGS:
Games of Epigenomics (2016), organizing committee, Croatia
2nd Conference of Croatian Society of Cancer Research (2012), organizing committee, Croatia
3rd Conference of Croatian Human Genetics (2003), organizing committee, Croatia

MEMBERSHIPS:
Croatian Society for Cancer research (European Association for Cancer Research)
Croatian Society for Human Genetics
Croatian Society for Clinical Genetics
Croatian Thoracic Society

Teaching rank: senior research associate (znanstveno zvanje viši znanstveni suradnik)

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS,
WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Genetički i epigenetički biomarkeri urođene imunosti u KOPB-u i karcinomu pluća (Glavni istraživač); HRZZ 2017-2021 (993.000,00 KN)
2. Genetička podloga kronične obstruktivne plućne bolesti (KOPB); regulacija upale plućnog epitela putem receptora urođene imunosti (Glavni istraživač); DAAD-MZOS bilateralni projekt; 2013-2015 (13.000,00 EUR)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

ORDINAL NUMBER: 

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Sanja Kolaček, prof.dr.sc.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Children’s Hospital Zagreb, Zagreb Medical School

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical nutrition

BIOGRAPHY

Education & degrees

2008 • Professorship, (The Medical University of Zagreb)
1999 • Specialist in Pediatric gastroenterology
1995 • Habilitation (The Medical University of Zagreb)
1991 • Doctorate dissertation (The Medical University of Zagreb)
1985 - 1989 • Specialist in pediatrics
1984 • MSc thesis (The Medical University of Zagreb)
1983 – 1984 • Research fellow, Institute for Mother and Child, Zagreb
1976 – 1981 • Medical training, The Medical University Zagreb

Major training in gastro-enterology & nutrition

1987-1988 • Birmingham Children's Hospital, Dept. for gastroenterology (prof. IW Booth)
• King’s College Hospital London, Dept for pediatric hepatology (prof. A. Mowat) training in pediatric gastroenterology, hepatology, nutrition
1993, 2001 • Dept for Pediatric Gastroenterology, Academish Medisch Centrum Amsterdam (J. Taminiau), training in ped.endoscopy, Dept for Gastroenterology / Endoscopy Unit, Academish Medisch Centrum Amst. (G. Tytgat), training in therapeutic endoscopy

Major functions in scientific societies

• ESPGHAN President Elect from 2018
• General Secretary, ESPGHAN (European Society for Pediatric Gastroenterology, Hepatology and Nutrition) (2012 – 2015)
• UEG General Assembly Member (United European Gastroenterology)( 2005 –present)
• ESPGHAN Committee of Nutrition member (2005-2009)
• ESPGHAN Council Member (2001-2004)
• ESPGHAN IBD working group (2002- present)
• Chair of LLL n Pediatric Nutrition of ESPEN (Eur Society for Parent & Enteral Nutrition)
• Vice-president of Croatian Pediatric Society (2009 – 2016)

Editorial & reviewer expertise • Journal of Paediatric Gastroenterology and Nutrition, Associate Editor (2008 – present)
University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences”

- Paedriatria Croatica, President of Advisory Board (2009 - present)
- Journal of Crohn’s & Colitis, Member of the International Advisory Board (2007 – present)
- Nutrition, Member of the Advisory Board (2000 – 2008)
- Serving as a reviewer in: Journal for Pediatric Gastroenterology & Nutrition, Clinical Nutrition, Journal of Crohn’s and Colitis, Archives of disease in Childhood, Nutrition, Liječnički vjesnik

Publications
* ISI Web of Science   Papers in peer-reviewed journals   Over 200
Papers Scopus* 139
PUBMED (abstracts excluded) 110
Book Editor (Croatian editions) 5
Book chapters / international editions 31/8
Citations (Scopus)* 4998
Citations (Scopus) – without self citations* 4313
h-index 31
Invited speaker – international events only
- Over 250, including major European congresses such as UEG, ESPGHAN, ESPEN, ECCO, EPA, and World Congress of PGHN
- Over 150, including major world and European annual congresses such as UEG, ESPGHAN, ESPEN, ECCO and World Congress of PGHN

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 19.5.2016
A PERMANENT POSITION OF THE PROFESSORSHIP ON THE MEDICAL SCHOOL UNIVERSITY OF ZAGREB

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

59. Hojsak I, Kolacek S. Fat Overload Syndrome After the Rapid Infusion of SMOFlipid Emulsion. JPEN 2014; 38:119-21


subtypes with an emphasis on IBD-Unclassified in children: a multicenter study from the Pediatric IBD Porto group of ESPGHAN: J Crohns Colitis 2017; 11: 1078-84


103. Diamanti A, Puntis J, Kolacek S, et al. Parenteral nutrition and home parenteral nutrition changed the face of pediatric gastroenterology. JPGN 2018; 66; Suppl 1:S82-S87


105. Goulet O...Kolacek S.. et al. Fifty years of Pediatric Gastroenterology. JPGN 2018; 66: Supple 1 (S54)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2006-2013  •  EU FUNDED Project (FP6-205-FOOD-4-B) „PREVENTCD“ - Influence of the dietary history in the prevention of celiac disease: possibilities of induction of tolerance for gluten in genetic predisposed children - partner

2010-2012  •  ESPEN Network Grant project „Malnutrition and outcome in hospitalized children in Europe“ – partner (ESSEN – European Society for Parenteral and Enteral Nutrition)

Scientific Research  Multicenter European Studies

2004-2016  EUROKIDS IBD registry. Roles: recruitment of newly diagnosed children with IBD, investigating phenotype of the disease, determining natural history of IBD in children - partner

Chr. Hansen Research Grant 2010-2012 PROBBIC 1 & PROBBIC 2: role of probiotic strain Bb12 in prevention of nosocomial infection & prevention of acute respir. and GIT infections in day care centres - principal investigator

Croatian Institute of Science 2015-  IBD in children: effect of enteral nutrition on the microbiom & Croatian registry for children with IBD

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- “Lactobacillus reuteri u terapiji funkcijskih abdominalnih bolova i opstipacije u djece - randomizirana, dvostruko- slijepa, placebo kontrolirana studija”; voditelj: Kolaček S, istraživači: Hojsak I, Jadrešin O; suradnici: Mišak Z

- 2004-2016  EUROKIDS IBD registry. Roles: recruitment of newly diagnosed children with IBD, investigating phenotype of the disease, determining natural history of IBD in children - partner

- Multicentrični projekt ESPGHAN IBD Working Group „Outcome of pouch surgery in pediatric patients with ulcerative colitis“. Istraživači / suradnik u Hrvatskoj: Kolaček S, Močić Pavić A

- Croatian Institute of Science 2015-  IBD in children: effect of enteral nutrition on the microbiom & Croatian registry for children with IBD

- Uloga tranzicijske skrbi u zdravstvenoj zaštiti djece sa kroničnim upalnim bolestima crijeva. Voditelj Kolaček S; suradnik Hojsak I; doktorand Trbojević T

- Multicentrična europska studija „Effects of oral nutrition supplements in children with disease associated underweight“. Suradnici u Hrvatskoj: Kolaček S, Niseteo T.

- TISKIDs, Top-down liječenje Crohnove bolesti. Istraživači: Kolaček S, Hojsak I

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

6
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ivica Kostović, professor emeritus
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Fetal and Neonatal Neurophysiology, Fetal Behavior; Human developmental neurobiology; Synaptic plasticity and mind

BIOGRAPHY
Education and training
1967- graduate of the School of Medicine University of Zagreb (SMZ); 1970th master's degree at a graduate School of Science in Zagreb; In 1972. Ph.D. at SMZ; 1972 to 1974. postdoctoral training in the field of neuroanatomy at the Johns Hopkins University School of Medicine (USA).
Professional experience
1965-1967 Research Associate of the Institute of Anatomy, School of Medicine University of Zagreb; 1968 -1972 Assistant, Department of Anatomy SMZ; 1975-1977 Assistant Professor for Anatomy, Department of Anatomy SMZ; in 1976. Visiting Assistant Professor of Neuropathology and Research Fellow, Department of Neuroscience, Harvard Medical School; 1978-1980 Associate Professor of Anatomy, SMZ; 1979-1989 Study visit to Yale University; 1981-2014 - Professor of Anatomy and Neuroscience, SMZ. 2014- today – professor emeritus, University of Zagreb. 2000-2013 Director of Croatian Institute for Brain Research. 2013-present Honorary Director of CIBR
Research activity
Principal Investigator on five international (a joint project of the American Board NIH institutes - DHHS ) and nine local research projects.
A regular member of the Croatian Academy of Sciences and Arts since 2006.
President od Croatian Society for Neuroscience.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2014
LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

1982-1985 U.S. Joint Board Project 02-091-N «Histogenesis and differentiation of the cerebral cortex in the human fetus» (P.I. Dr. I. Kostović; U.S. Collaborator Dr. Pasko Rakic)

1986-1989 U.S. Joint Board Project PN 698 «Perinatal development of the human frontal lobe» (P.I. Dr. I. Kostović; U.S. Collaborator Dr. Pasko Rakic)

1990-1992 «Developmental neurobiology of schizophrenia» - the joint project of the Section of Neuroanatomy (School of Medicine Zagreb – I. Kostović) and Section of Neurobiology (Yale University School of Medicine – Dr. Patricia S. Goldman-Rakic)

1990 «Perinatal reorganization of the cortical circuitry during formation of cerebral convolutions in the human frontal lobe» - collaborative project with The Netherlands Institute for Brain Research, Amsterdam (P.I. Dr. I. Kostović, Dutch collaborators Dr. H.B.M. Uylings and Dr. D.F. Swaab)

1997-2006 Research program of the Croatian Institute for Brain Research “Neurobiology of cognitive development and cognitive disorders”, continued since 2006 as NEUROKOD program “Neurodevelopmental Basis of Cognitive, Mental and Neurological Disorders” joining 27 projects

2007-2010 Head coordinator of project „Neuroimaging, neurogenomics and pharmacogenomics of the frontal lobe connectivity: normal development and abnormalities in developmental and cognitive disorders”(Research Co-operability Program - Crossing border project, Unity through Knowledge Fund)

2007–2013 Head coordinator of scientific project “Development of cortical pathways in human” (Ministry of Science, Education and Sport)

2015-present Principal Investigator, project funded by National Science Foundation “Subplate zone of the human brain: unsolved problems”
2015-present    Scientific Coordinator and Group Leader in Centre of Excellence “Croatian Institute for Brain Research - Centre for basic, clinical and translational neuroscience”

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2015-present    Principal Investigator, project funded by National Science Foundation “Subplate zone of the human brain: unsolved problems”

2015-present    Scientific Coordinator and Group Leader in Centre of Excellence “Croatian Institute for Brain Research - Centre for basic, clinical and translational neuroscience”

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

20
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Associate Professor Nataša Kovačić

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected topics in transplantation immunology

BIOGRAPHY


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 11 JAN 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2014-2019 Croatian Science Foundation, Molecular mediators of Fas-driven osteoresorption in arthritis, principal investigator N. Kovacic (budget 130.000,00 €)

2017-2022 Scientific Center of Excellence for Reproductive and Regenerative Medicine (Project “Reproductive and Regenerative Medicine – Exploration of New Platforms and Potentials”) Grant KK01.1.1.01.0008, funded by the European Union through the European Regional Development Fund, principal investigator S. Vukicevic.

2013-2017 Croatian Science Foundation, Characterization of osteoclast progenitor responses to arthritis, principal investigator Danka Grcevic, Croatian Science Foundation (budget 100.000,00 €)

2012-2014 Wellcome Trust, “New gene targets for anabolic therapy in osteoporosis”, principal investigator Peter Croucher

2012-2014, Defining the ‘myeloma niche’: New opportunities for therapeutic intervention, Ernest Heine Foundation, principal investigator Peter Croucher


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2014-2019 Croatian Science Foundation, Molecular mediators of Fas-driven osteoresorption in arthritis, principal investigator N. Kovacic (budget 130.000,00 €)

2017-2022 Scientific Center of Excellence for Reproductive and Regenerative Medicine (Project “Reproductive and Regenerative Medicine – Exploration of New Platforms and Potentials”) Grant KK01.1.1.01.0008, funded by the European Union through the European Regional Development Fund, principal investigator S. Vukicevic.

2013-2017 Croatian Science Foundation, Characterization of osteoclast progenitor responses to arthritis, principal investigator Danka Grcevic, Croatian Science Foundation (budget 100.000,00 €)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ana Kozmar PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical methods in biomedical research

BIOGRAPHY

Education

2007-2008, visiting scholar Department of Biological Sciences, University of Notre Dame and Department of Microbiology and Immunology, Indiana University School of Medicine, USA

1999-2006, Specialist of medical biochemistry (3 years programme)

1991-2001, Postgraduate study at Faculty of Pharmacy and Biochemistry, University of Zagreb, M.sc. in medical biochemistry

1986-1991, Faculty of Pharmacy and Biochemistry, University of Zagreb, Study of medical biochemistry, dipl.ing.

1982-1986, Secondary Linguistic school/Classical Gimnasium in Zagreb

Work experience

2012- lecturer at University of Applied Health Sciences in Zagreb

2007-2008, visiting scholar, University of Notre Dame, South Bend, SAD

2006- Specialist of medical biochemistry, University Hospital Centre Zagreb, Department of Laboratory Diagnostics, Department of Laboratory Immunology, Autoimmunity division

1995-2006, clinical biochemist in the University Hospital Centre Zagreb, Department of Laboratory Diagnostics, Division of Immunology

1991-1995, clinical biochemist in the biochemical laboratory of the Clinical Hospital Centre Zagreb, University clinic for gynecology and obstetric

Teaching activities

Graduate studies: School of Medicine, University of Zagreb – associate at courses of Klinička biokemija, Clinical Biochemistry and Immunology

Faculty of Pharmacy and Biochemistry, University of Zagreb – associate at course Imunokemija

University of Applied Health Sciences in Zagreb – associate at course Imunologija

Postgraduate studies: School of Medicine, University of Zagreb – associate at courses Biokemijske metode u biomedicinskim istraživanjima; Laboratorijska imunodijagnostika i testovi in vivo; Alergologija i klinička imunologija

Faculty of Pharmacy and Biochemistry, University of Zagreb – associate at course Imunopatogeneza i imunodijagnostika autoimunih (autoagresivnih) bolesti

Master thesis

Antineutrofilna citoplazmatska autoantitijela u bolesnika s autoimunim hepatitism. Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb 2002.

Doctoral thesis
Mouse bone marrow derived macrophage response to apoptotic cells. Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb 2011.

Scientific activities
Immunodiagnostics of systemic autoimmune diseases, antineutrophil cytoplasmic antibodies in autoimmune hepatitis, diagnosis of primary biliary cirrhosis, primary membrane glomerulonephritis

Publications
6 in CC, 3 in SCI, Co-authored four textbooks and several manuals

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Regulacijski limfociti u sistemskim autoimmune bolestima. Project within the program “Epidemiološka i patogenetska obilježja autoimunih bolesti u Hrvatskoj”, project leader: prof.dr. Branko Malenica, project code: 214-1081874-1068 MZOŠ

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

/
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Saša Kralik, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Clinical Hospital Centre Zagreb, Department of Laboratory Diagnostics

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: "Physiology and biochemistry of uterus in pregnancy and labour"

BIOGRAPHY

Current position
University Clinical Hospital Centre Zagreb, Department of Laboratory Diagnostics - head of the Unit for Laboratory Endocrinology

Education
2011: DSc in Medical biochemistry, Faculty of Pharmacy and Biochemistry, University of Zagreb
1995: Msc in Medical biochemistry, Faculty of Pharmacy and Biochemistry, University of Zagreb
1988: BSc in Medical biochemistry, Faculty of Pharmacy and Biochemistry, University of Zagreb

Teaching activity
Phylosiology and biochemistry of the uterus during pregnancy and delivery (postgraduate course in Biomedicine and Health Sciences, University of Zagreb, School of Medicine), assistant

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2011

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Pavicic Baldani D, Skrgatic L, Kasum M, Zlopasa G, Kralik Oguic S, Herman M. Altered leptin, adiponectin, resistin and ghrelin secretion may represent an intrinsic polycystic ovary syndrome abnormality. Gynecological Endocrinology 2019; 35:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Pavicic Baldani D, Skrgatic L, Kasum M, Zlopasa G, Kralik Oguic S, Herman M. Altered leptin, adiponectin, resistin and ghrelin secretion may represent an intrinsic polycystic ovary syndrome abnormality. Gynecological Endocrinology 2019; 35:


Book chapters:


Textbook:


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2009-2013: Diabetes and Metabolic Syndrome After Previous Gestational Diabetes (108-1080401-0385, leader: M. Ivanišević)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2009-2013: Diabetes and Metabolic Syndrome After Previous Gestational Diabetes (108-1080401-0385, leader: M. Ivanišević)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. Prof. Magdalena Krbot Skorić, PhD, MSc EE

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Electrophysiological methods in medical research, Medical-informatics methods

BIOGRAPHY

Magdalena Krbot Skorić was born in Varaždin in 1984. She graduated from the Faculty of Electrical Engineering and Computing, University of Zagreb in 2008, and in 2015 she received a PhD title at the same Faculty. Since 2012 she has worked as a medical engineer at the Department of Neurology, University Hospital Centre Zagreb, where she is a head of the Laboratory for Cognitive and Experimental Neurophysiology. She is actively involved in work with patients and performs diagnostic methods in her daily clinical routine (different modalities of evoked potentials, electroencephalography and polysomnography, preoperative invasive EEG monitoring and functional brain mapping). She is involved in scientific projects, whose results are presented in numerous national and international scientific journals. She is a reviewer for internationally recognized journals. In 2018 she became an assistant professor at the Faculty of Electrical Engineering and Computing at the University of Zagreb, and a lecturer at the graduate and postgraduate study at the School of Medicine, University of Zagreb. Magdalena Krbot Skorić is a member of the Croatian Society for Medical and Biological Engineering, the Croatian Medical Association, member of the Croatian Federation for EEG and Clinical Neurophysiology of the Croatian Medical Association and chairwoman of Engineering in Medicine and Biology chapter of Croatian section of IEEE.

Assistant Professor at the Faculty of Electrical Engineering and Computing, University of Zagreb

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Adamec I, Crnošija L, Junaković A, Krbot Skoric M, Habek M. Progressive multiple sclerosis patients have a higher burden of autonomic dysfunction compared to relapsing remitting phenotype. Clin Neurophysiol 2018;129(9):1588-1594.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
2014.-2017. Brainstem Evoked Potentials Score and Composite Autonomic Scoring Scale as a Predictors of Disease Progression in Clinically Isolated Syndrome, Croatian Science Foundation; UIP-11-2013-2622, University of Zagreb, School of Medicine, researcher

2014.-2017. Adult Language Processing, Croatian Science Foundation; UIP-11-2013-2421, University of Zagreb, Faculty of Education and Rehabilitation Sciences, researcher

2008.-2014. Research of the Neurophysiology of the Movement using the Evoked Potentials Method, Ministry of Science and Education Republic of Croatia, no. 312-0362979-3258, research assistant

2008.-2011. Vagueness, Approximation, and Granularity, EuroCORES program LogICCC European Scientific foundation, research assistant

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2014.-2017. Brainstem Evoked Potentials Score and Composite Autonomic Scoring Scale as a Predictors of Disease Progression in Clinically Isolated Syndrome, Croatian Science Foundation; UIP-11-2013-2622, University of Zagreb, School of Medicine, researcher

2014.-2017. Adult Language Processing, Croatian Science Foundation; UIP-11-2013-2421, University of Zagreb, Faculty of Education and Rehabilitation Sciences, researcher

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER:  Dalibor Krpan, professor

NAME OF INSTITUTION/DEPARTMENT OF THE TEACHER:  General Hospital Sv. Duh

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY:  Understanding bone metabolism – basic science in clinical practice

BIOGRAPHY

Affiliation: Physician, Specialist-Consultant in Internal Medicine, Endocrinology and Nephrology, Primarius, Head of the Center for mineral metabolism and calcified tissue disease, General Hospital "Sveti Duh", Internal Clinic Zagreb, Professor on Medical School of Osijek University, Head of the Polyclinic K-center, Zagreb

Medical Licence No. 4443

Education: 1973. -1978: Medical School, University of Zagreb
1979. -1981. Postgraduate study in Biomedicine, University of Zagreb
1982. -1986. Fellowship (Specialization) in Internal Medicine
1995.and 1998. Several visits to Dartmouth Hitchcock Medical Center (DHMC),New Hampshire, USA, as a coordinator for nephrology in Partnership project; Education in the health sciences, Dartmouth-Hitchcock Medical Center-The Center for Continuing Education in Health Sciences, Dartmouth University, New Hampshire, USA


Professional Appointments:
1986. Specialist-Consultant in Internal Medicine and Nephrology
1988. -Present Founder and Chief of the Clinical laboratory for metabolic bone disease
1992. -96. Principal investigator of the scientific project "Influence of mineral metabolism disturbance in uremia on heart morphology and function"
1995. -98. Coordinator for nephrology in the partnership project with Dartmouth-Hitchcock Medical Center, New Hampshire, USA.
1997. -Present Primarius
1999. -Present Head of the Center for mineral metabolism and calcified tissue disease, General Hospital "Sveti Duh", Internal Clinic Zagreb,
2006. Professor on Medical School of Osijek University
2006. – present Head of the Polyclinic K-center, Zagreb

Main Research Topics: Osteoporosis, Renal osteodystrophy, Bone metabolic disease,

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:  2006
LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Željka Krsnik, PhD, Assistant Professor of Neuroscience

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Neurobiology of aging; Human developmental neurobiology

BIOGRAPHY

Željka Krsnik is appointed as an Assistant Professor of Neuroscience at the Department of Neuroscience University of Zagreb. She got Master and PhD degree in Molecular and Cellular Biology at the Faculty of Natural Sciences University of Zagreb. As a PhD student, she spent several months of education at University of Freiburg, Germany and San Raffaele Institute in Milan, Italy. She was on a postdoc at Yale University from 2006-2011 where she worked on several NIH and NIMH grants and was a member of BrainSpan Consortium. Currently, she is a Head of the Laboratory for neurogenomics and in situ hybridization and Laboratory for Digitalization of the Zagreb Brain Collection, as well as Assistant Director of CIBR. In 2013 she was awarded with the International Brain Research Organization (IBRO) Return Home Fellowship Award. In 2018 she was appointed as a Chair of the IBRO Alumni Committee and currently she chairs Young IBRO Committee and is a member of FENS Alba Steering Committee. She is a member of the panel at the Croatian Scientific Foundation and Committee member at the Croatian Academy of Sciences and Arts for “Neuroscience and Brain Disease”.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

2013 Assistant Professor of Neuroscience

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Svob Strac, D; Samardzic, J; Erhardt, J; Krsnik, Ž; Martinovic, J; Drakulic, D; Tudor, L; Nikolac Perkovic, M; Nedic Erjavec, G; Pivac, N. (2017) In Vitro and In Vivo Studies of Prolonged DHEA(S) Treatment // Advances in Medicine and Biology / Berhardt, Leon V. (ur.). New York: NOVA Science Publishers, 2017. str. 69-98


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

International grants:

“Transcriptional Atlas Of Human Brain Development”: National Institute of Mental Health (NIH/NIMH) 2009/11

“Development And Organization Of The Human Frontal Cortex”: National Institute of Mental Health (NIMH) 2009

“Molecular Control Of Cortical Projection Neuron Identity And Connectivity”: National Institute of Neurological Disorders and Stroke (NINDS) 2009


“Molecular Control Of Cortical Neural Stem Cells” National Institute of Child Health & Human Development (NICHHD) 2005 - 2009
“The Role of Slitrk1 in Tourette Syndrome and Related Disorders”: National Institute of Neurological Disorders and Stroke (NINDS) 2006

Croatian Scientific Foundation grants:
“Histological, MRI and gene expression analysis of the reorganizational processes in the medial wall of developing human cerebrum” 2014/18 HRZZ (PI prof. M. Vukšić)
“Development of cell-type specific expression of human transcriptome in language- and mirror neuron system related cortical network” 2012 HRZZ (PI prof. M. Judaš)

Subplate zone of the human brain: unsolved problems” 2016/20 (PI prof. I. Kostovic)

Principle Investigator:
Foundation Adris “Mystery of exosomes: from alarming the cell to signaling” 2017/2019
University of Zagreb research support 2015, 2016, 2017, 2018
IBRO International Brain Research Organization RHP 2013/2016 “Perinatal reorganization of the connectivity elements in the marginal zone of the human neocortex”

Croatian Academy of Sciences Foundation “Digitalization of The Zagreb Neuroembryological Collection” 2014/2015

WWS/IBRO (Women in World Neuroscience of the International Brain Research Organization (IBRO) collaborative research network program 2015 “Neurosteroids as therapeutic opportunities in ischemic brain injury”

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
“Transcriptional Atlas Of Human Brain Development”: National Institute of Mental Health (NIH/NIMH) 2009/11

Croatian Scientific Foundation:
“Histological, MRI and gene expression analysis of the reorganizational processes in the medial wall of developing human cerebrum” 2014/18 HRZZ (PI prof. M. Vukšić)
“Development of cell-type specific expression of human transcriptome in language- and mirror neuron system related cortical network” 2012 HRZZ (PI prof. M. Judaš)

“Subplate zone of the human brain: unsolved problems” 2016/20 (PI prof. I. Kostovic)

Principle Investigator:
Foundation Adris “Mystery of exosomes: from alarming the cell to signaling” 2017/2019
University of Zagreb research support 2015, 2016, 2017, 2018
IBRO International Brain Research Organization RHP 2013/2016 “Perinatal reorganization of the connectivity elements in the marginal zone of the human neocortex”

Croatian Academy of Sciences Foundation “Digitalization of The Zagreb Neuroembryological Collection” 2014/2015

WWS/IBRO (Women in World Neuroscience of the International Brain Research Organization (IBRO) collaborative research network program 2015 “Neurosteroids as therapeutic opportunities in ischemic brain injury”
NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Božo Krušlin, Professor of Pathology

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Dpt of Pathology, School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Endocrine tumors of gastrointestinal tract and the pancreas

BIOGRAPHY

PERSONAL INFORMATION
Surname(s) / First name(s)  Božo Krušlin
Address(es)  Work: Department of Pathology, School of Medicine, University of Zagreb, Salata 10, 10 000 Zagreb, Croatia
Telephone(s)  ++385 14566868, Fax(es)  ++385 14566977
E-mail(s), Web address(s)  bozo.kruslin@mef.hr
Nationality(-ies)  Croatian
Date of birth  June 9th, 1960
Identification number from Records of Scientific Workers  177914

WORK EXPERIENCE
SCHOOL OF MEDICINE
• Dates (from – to)  2015 to date
Name of employer  Department of Pathology, School of Medicine, University of Zagreb,
Occupation or position held  Full Professor

OTHER
• Dates (from – to)  2007 to date
Name of employer  Clinical Department of Pathology and Cytology Ljudevit Jurak, Clinical Hospital Centre Sestre milosrdnice, Zagreb
Occupation or position held  Pathologist
Type of business or sector  Head of Clinical Department of Pathology and Cytology Ljudevit Jurak, Clinical Hospital Centre Sestre milosrdnice, Zagreb

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 12/08/2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Voditelj: prof. dr. Božo Krušlin

1. "Razvojna neuropatologija genetičkih malformacija moždane kore čovjeka"
   Ministarstvo znanosti, obrazovanja i športa

2. Voditelj: doc. dr. Hrvoje Čupić
   "Promjene bubrežne arterije u bolesnika s karcinomom bubrega"
   Broj projekta: 134-0000000-3381
   Ministarstvo znanosti, obrazovanja i športa
   od 01. ožujka 2008.

3. Međunarodni projekt: "Archive`s tissues: Improving molecular medicine research and clinical practice"
   Akronim: IMPACTS
   Broj ugovora: LSHG-CT-2007-037211
   Koordinator projekta: prof. Giorgio Stanta
   od 1. ožujka 2007.
Hrvatska zaklada za znanost
Voditelj: prof. dr. Miloš Judaš
Development of cell-type specific expression of human transcriptome in language- and mirror neuron-system related cortical network. 09.01/414 do 2016
Voditelj: prof. dr. Koraljka Gall-Trošelj
"NRF2 na raskrižju epigenetičkog modeliranja, metabolizma i proliferacije stanice raka". (2016-06-IP-4404)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
Hrvatska zaklada za znanost
Voditelj: prof. dr. Miloš Judaš
Development of cell-type specific expression of human transcriptome in language- and mirror neuron-system related cortical network. 09.01/414 do 2016
Voditelj: prof. dr. Koraljka Gall-Trošelj
"NRF2 na raskrižju epigenetičkog modeliranja, metabolizma i proliferacije stanice raka". (2016-06-IP-4404)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
19
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Željko Krznarić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine and University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical nutrition

BIOGRAPHY

Education
1984 graduated from the School of Medicine of the University of Zagreb
1984 to 1985 internship, KBC Zagreb
1988 to 1992 residency, KBC Zagreb
1999 to 2001 Subspecialist training in gastroenterology
1984. Postgraduate study in biomedicine, Faculty of Natural Sciences and Mathematics in Zagreb
Postgraduate study in Gastrointestinal and Hepatology at the Faculty of Medicine in Zagreb
May 1990, defense of the Master's thesis "The level of acute blood mediator mediator as an indicator of inflammation of the intestine"
June 1997, defense of the doctoral thesis "Value of Continuous Monitoring of Serum Concentrations of Acute Phase Proteins and Oligoelements in Crohn's Disease"

Work experience
1984th to 1985th internship, KBC Zagreb
1,992th to 2,001th a specialist in internal medicine at the Department of Internal Diseases, KBC Zagreb
2001- Today, the subspecialist of gastroenterology and hepatology at the Institute for Gastroenterology and Hepatology, Internal Medicine Clinic, KBC Zagreb

Teaching activity
1999 Associate Professor of Senior Assistant, Faculty of Medicine, Zagreb
27.05. 2003. Scientific Assistant professor, Faculty of Medicine, Zagreb
19:10. 2009 Scientific and Academic Professorship in Cumulative Work in the Department of Internal Medicine, Scientific Area of Biomedicine and Health, Scientific Field of Clinical Medical Science, Branch of Internal Medicine, for Internal Medicine with Workplace at the Clinic for Internal Diseases, KBC Zagreb
05/29/2014. Scientific Advisor for Biomedical Sciences, Faculty of Medicine, Zagreb
Head of Module "Dietotherapy" and "Parenteral and Enteral Diet", Faculty of Food Technology and Biotechnology, University of Zagreb; Head of the module "Clinical judgment", Faculty of Medicine, University of Zagreb.

Deputy Head of School of Medicine in English at the Faculty of Medicine of the University of Zagreb

Dissertation (title and year of defense)
"Value of Continuous Monitoring of Serum Concentrations of Acute Phase Proteins and Oligoelements in Crohn's Disease", 1997, Faculty of Medicine, University of Zagreb

Scientific activity
Project Associate:
IP-11-2013: HRZZ: Assessment of Microbiota, Inflammatory Markers, Nutritional and Endocrinological Status in IBD Patients (Minute for IBD)

Peticia - obesity prevention program for school children

Publications (total number by categories)
81 professional and scientific papers in indexed journals, of which 29 in journals indexed in the Current Contents, 8 papers indexed in SCI-Exshanded, 44 papers in journals indexed in Medline, Scopus, PsycInfo or other international index publications. Abbreviations and other works about 200. Editor 5 books, and a larger number of book chapters. Papers quoted 320 times.

Member of editorial boards and reviewers of scientific and professional journals at home and abroad (Nutrition (USA), Clinical Nutrition (EU), Clinical Nutrition & Metabolism (Italy), Nutrition & Metabolic Therapy (Poland), Pharmaca, Croatian Medical Journal, KBC Zagreb Bulletin).

Personal data
Born in 1960, married, father of two children

**DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:** 13.10.2015

**LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


5: Leskovar D, Meštrović T, Barešić A, Kraljević I, Panek M, Čipčić Paljetak H, Perić M, Matijašić M, Rogić D, Barišić A, Ljubas Kelečić D, Vranešić Bender D, Krznarić Ž, Verbanac D. The Role of Vitamin D in...


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Inflammatory bowel disease (Crohn's disease and ulcerative colitis)

Determination of intestinal microbiota, inflammatory markers, nutritional and endocrine status in patients with inflammatory bowel disease

HELICOBACTER PYLOR INFECTION - EVOLUTION OF DIABETES AND NEW THERAPY PROCEDURES

DOUBLE-MOLECULAR, GENETIC AND CLINICAL CHARACTERISTICS OF CARCINOMA

Complex characteristics and health of the population from childhood to deep age

Molecular markers in solid tumors - predictive and prognostic significance

C-reactive protein and gastroduodenal damage in coronary patients

Perception and prevention of risk factors for atherosclerosis in Croatia

IP-11-2013: HRZZ: Assessment of Microbiota, Inflammatory Markers, Nutritional and Endocrinological Status in IBD Patients (Minute for IBD)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Inflammatory bowel disease (Crohn's disease and ulcerative colitis)
Determination of intestinal microbiota, inflammatory markers, nutritional and endocrine status in patients with inflammatory bowel disease

HELICOBACTER PYLOR INFECTION - EVOLUTION OF DIABETES AND NEW THERAPY PROCEDURES

DOUBLE-MOLEULAR, GENETIC AND CLINICAL CHARACTERISTICS OF CARCINOMA

Complex characteristics and health of the population from childhood to deep age

Molecular markers in solid tumors - predictive and prognostic significance

C-reactive protein and gastroduodenal damage in coronary patients

Perception and prevention of risk factors for atherosclerosis in Croatia

IP-11-2013: HRZZ: Assessment of Microbiota, Inflammatory Markers, Nutritional and Endocrinological Status in IBD Patients (Minute for IBD)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mirjana Kujudžić Tiljak, MD, PhD, Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: 1. Statistical Analysis of Medical Data
2. Medical Statistics 2.1: Statistical tools for medical data analysis in planned experimental study design
3. Medical Statistics 2.2: Statistical tools for medical data analysis in quasi-experimental study design
4. Medical Statistics 2.3: Statistical tools for medical data analysis in observational study design with large samples
5. Medical Statistics 2.4: Statistical tools for medical data analysis in observational study design with large samples

BIOGRAPHY

Employment and Functions:
2017 - Director - Andrija Stampar School of Public Health, School of Medicine, University of Zagreb
2017 - President of the Biomedical Area Council and Member of the Senate, University of Zagreb
2015 - full professor - Department of Medical Statistics, Epidemiology and Medical Informatics, Andrija Stampar School of Public Health, School of Medicine, University of Zagreb
2013 - Head of Department for Medical Statistics, Epidemiology and Medical Informatics, Andrija Stampar School of Public Health, School of Medicine, University of Zagreb

Previous employment
2016-2017 acting director - Andrija Stampar School of Public Health, School of Med., Univ. of Zagreb
2004-2015th Assistant Professor, Associate Professor - Department of Medical Statistics, Epidemiology and Medical Informatics, Andrija Stampar School of PH, School of Med., Univ. of Zag. 1996-2000 Advisor to the Minister of Science and Vice Prime Minister of the Croatian Government
1993-1994 Assistant to the Chief of Staff, Office of the President of the Republic of Croatia
1991-1992 Head of Department for Inter. coop., Office for refugees and displaced persons in Croatian Government
1990-2004 assistant, senior assistant - Department of Hygiene, Social Medicine and General Epidemiology . Andrija Stampar School of Public Health, School of Medicine, University of Zagreb

Education and qualifications:
2000. Ph.D. (Genealogical structure of population in mortality rate estimation, Institution: School of Medicine, University of Zagreb)
1995. Mr.sc. (Genealogical model of analysis for epidemiology data) Institution: School of Medicine, University of Zagreb
1990th to 1993rd Specialization - social medicine and health care organization
1988-1990 Postgraduate study "Health Information Systems" (School of Med., Univ. of Zag.)

1983-1988 M.D. (School of Medicine, University of Zagreb)

Teaching activities:

2014.- Head - General competence of doctors specialists in all specialist postgraduate studies

2004 - Participation in graduate teaching in graduate medical study in Croatian and English, nursing studies, postgraduate professional studies, doctoral studies in biomedicine and health care - subjects in the field of medical statistics, data analysis and application of research

1990-2004 participation in graduate and postgraduate studies in subjects of social medicine, health care organization, medical statistics

Reviews: Reviewer in several scientific journals and one university textbook. Statistical Reviewer CMJ.

Publications: 38 original scientific papers indexed in the Web of Science Core Collection, h-index 9, number of citations 300; 40 original scientific papers indexed in Scopus, h-index 9, number of citation 273; 89 papers in Google Scholar, h-index 13, number of citations 547.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2015, professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018.-2023. "Dangers and benefits of social networks: E-Professionalism of healthcare professionals (SMePROF)", associate

2017.-2018. "Significance of body mass index and blood pressure index in risk assessment for metabolic syndrome", associate

2016. "Adiponectin values and persistence of body mass index and arterial pressure in risk assessment for metabolic syndrome in adolescents," , associate

2015. "The significance of adiponectin in assessing the risk for metabolic syndrome in adolescents", associate

2014. "Predictive Value of Life Habits and Anthropometric Characteristics in Early Detection of Cardiovascular Disease in Adolescents", associate

2007- 2013 "How to measure health?" , head

2002-2007 "Genetic Socioeconomic and Behavioral determinants of health and diseases", associate

2002.-2006 "Scientific basis of quality health care", consultant


1998-2002 "Transition of the Health System", associate

1996-1999 "Information Technology and Decision Making in Medicine", associate

1991-1995" Aging Without Impairment and Disease", associate

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018.-2023. "Dangers and benefits of social networks: E-Professionalism of healthcare professionals (SMePROF)", associate

2017.-2018. "Significance of body mass index and blood pressure index in risk assessment for metabolic syndrome", associate

2016. "Adiponectin values and persistence of body mass index and arterial pressure in risk assessment for metabolic syndrome in adolescents," , associate

2015. "The significance of adiponectin in assessing the risk for metabolic syndrome in adolescents", associate
2014. "Predictive Value of Life Habits and Anthropometric Characteristics in Early Detection of Cardiovascular Disease in Adolescents", associate

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Dr. sc. Ivan Kurelac, dr. med.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital for Infectious Diseases "Dr. Fran Mihaljević" in Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Virusni hepatitisi

BIOGRAPHY

Dr. Ivan Kurelac was born in 1961 in Zagreb. In 1988 he graduated from the School of Medicine, University of Zagreb and in 1996 he passed his specialist exam in infectious diseases. Since then he has been working at the University Hospital for Infectious Diseases „Dr. Fran Mihaljević“ in Zagreb, at the Department for infectious diseases of the liver, which later on became the Reference centre for diagnostics and treatment of viral hepatitis. He also works at the Outpatient Department for chronic viral hepatitis. In 1997, he participated in an educational study visit to the Mary Hitchcock Hospital in New Hampshire and Boston, USA. In 1998 he enrolled and completed a professional postgraduate study of ultrasound in gastroenterology and hepatology. In 2005 he enrolled at the postgraduate doctoral study in Biomedicine and health. In 2012 he defended doctoral thesis “Cellular immunity during therapy of chronic HCV infection”.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


8. Lukas D, Palmović D, Kurelac I. Hepatitis E. 63. znanstveno-stručni sastanak - Knjiga sažetaka; 2000


37. Vince A, Kurelac I. Naša iskustva u liječenju bolesnika s kroničnim B hepatitismom telbivudinom. 79.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Interleukin-1β gene promoter polymorphism is associated with higher liver fibrosis progression rate in Croatian patients with biochemically active chronic hepatitis C. Grgurević, Ivica; Kozić Dokmanović, Sanja; Šćukanec-Špoljar, Mira; Kurelac, Ivan; Sonicki, Zdenko; Kirin, Marijan; Štoković, Nikola; Židovec Lepej, Snježana; Vince, Adriana // Medica Jadertina, 47 (2017), 1-2; 13-21

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2014-2019 "Infectomics study of human liver non-parenchymal cells in chronic hepatitis C," Croatian Science Fondation, investigator
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Associate Profesor Sanja Kusačić Kuna, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinical Department of Nuclear Medicine and Radiation Protection, University Hospital Centre Zagreb, Medical School University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Medical image analysis

BIOGRAPHY:


WORK EXPERIENCE: Clinical Department of Nuclear Medicine and Radiation Protection, University Hospital Centre Zagreb, since 1991: Head of Clinical Department for Radionuclide Therapy since 2012

SCIENTIFIC ACTIVITY:

MASTER DEGREE -Ultrasonographic differentiation of benign from malignant lymphadenopathy in patients with thyroid cancer. Zagreb, Medical School University of Zagreb, 2002.

DISSERTATION- Comparison of different doses of iodine-131 in the thyroid remnant ablation due to papillary carcinoma, and the role of recombinant human thyrotropin (rhTSH) in ablation“ Medical School University of Zagreb, 2010

Since 1991 participated in several scientific research projects.

Organisational skills and competencies- extensive experience in organising daily assignments and everyday clinical routine work, actively involved in organising scientific and professional congresses

Publications: 12 articles indexed in CC (number of citations according to SCI more than 100), 4 articles in other bibliographic databases, 3 book chapter, more than 90 summaries

Personal Information: Born in Split, Croatia on 08.11.1964.

Election in scientific and teaching position:

30.10.2012, research associate in the scientific field of biomedicine and health, a branch of nuclear medicine.
02.04.2014 scientific title of senior research associate
15.12.2014 associate title of senior assistant (scientific teaching position)
03.02.2017 Associate Profesor title (scientific teaching position)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

03.02.2017 Associate Profesor title (scientific teaching position)

LIST OF PUBLISHED WORK WHICH QUALIFY HIM HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Rajko Kušec, full professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Zagreb School of Medicine University of Zagreb and Dubrava University hospital

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Understanding bone metabolism – basic science in clinical practice; Genomic approaches in biomedical and translational research; Molecular hematology; Methods of investigation in vivo and in vitro

BIOGRAPHY

1982-1983 Univ Hospital Centre Zagreb
1983-1985 Zagreb School of medicine
1985-1994 Merkur University hospital
1995-1997 University of Oxford
1998-2001 Ruđer Bošković Institute- Department of molecular medicine
2001-2005 Merkur University hospital
2005 – Zagreb School of medicine University of Zagreb and Dubrava University hospital
1982 University of Zagreb School of medicine
1984 MSc, 1998 PhD

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER:  Vesna Kušec, full professor, MD PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER:  Clinical Hospital Centre Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Understanding bone metabolism – basic science in clinical practice; Biochemical methods in biomedical research

BIOGRAPHY

Principal investigator for project “Common molecular basis for bone disorders in humans” at the Ministry of Sciences and Technology Republic of Croatia, “Osteoprotegerin in the postmenopause and osteoporosis – clinical significance”, Croatian-Austrian scientific project “Evaluation of osteoprotegerin in the assessment of bone turnover in metabolic bone disorder”. Collaborator in under- and postgraduate teaching at the Zagreb School of Medicine; Course leader for undergraduate medical students for elective subject “Bone: molecular biology at the bedside”, mentor for 2 MrSc and mentor and co-mentor for 6 PhD thesis, 46 CC publications, >700 citations.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:  2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Principal investigator for project “Common molecular basis for bone disorders in humans” at the Ministry of Sciences and Technology Republic of Croatia, “Osteoprotegerin in the postmenopause and osteoporosis – clinical significance”, Croatian-Austrian scientific project “Evaluation of osteoprotegerin in the assessment of bone turnover in metabolic bone disorder”. Collaborator in under- and postgraduate teaching at the Zagreb School of Medicine; Course leader for undergraduate medical students for elective subject “Bone: molecular biology at the bedside”,

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2 Ms sc, 4 PhD theses, co-mentor in 2 PhD theses
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Zdravko Lackovic, MD, PhD, tenured professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical Neuropharmacology, Movement disorders, Structure, methodology and functioning of scientific work 1, Structure, methodology and functioning of scientific work 2; Clinical psychopharmacology

BIOGRAPHY

Education and academic degrees

• 1971. MD University of Zagreb School of Medicine. • 1975. Mr. Sc. (research degree: Magistar bioloških znanosti, Postgraduate Study in Experimental Biology and Medicine, University of Zagreb Postdiplomski studij eksperimentalne biologije, Sveučilište u Zagre: Msc Thesis: Lacković Z. Značenje 5-hidroksindoloctene kiseline u lumbalnom likvoru kod oštećenja kralješničke moždine. Medicinski fakultet Sveučilišta u Zagrebu, Zagreb, 1974.
• 1976. PhD (Doktor of Medical Sciences; Dr. sc.) University of Zagreb School of Medicine. PhD Thesis: Lacković Z. Određivanje metabolita biogenih amina u likvoru kao istraživački i dijagnostički pristup središnjem živčanom sustavu. Disertacija, Medicinski fakultet Sveučilišta u Zagrebu, Zagreb, 1976

Teaching Experience/Degrees

• 1979. Docent, University of Zagreb School of Medicine
• 1983. Professor (full professor) farmakologije, University of Zagreb School of Medicine
• 1998. Professor with tenure (permanent position) University of Zagreb School of Medicine

Chronology of Employment

• 1971.-72. Internship, Psychiatric hospital Vrapče, Zagreb
• 1972.-74. Post Doc (Scholarship Ministry of Science Croatia), Institut "Ruđer Bošković", Zagreb
• 1974.-1979. Scientific Assistant, Department of Pharmacology, University of Zagreb School of Medicine
• 1979.-1981. Visiting Scientist, Laboratory of Preclinical Pharmacology, National Institute for Mental Health, Washington DC, USA
• 1981.-1983. Docent, Department of Pharmacology, Medicinski fakultet Sveučilišta u Zagrebu
• 1983.-1998. Redovni profesor, Department of Pharmacology, University of Zagreb School of Medicine
• 1998. Professor with tenure (permanent position) University of Zagreb School of Medicine
• From 30.10.2017 retired

Professional/Scientific Societies:

• Hrvatsko društvo farmakologa, Croatian Pharmacological Society (President 2000-2002)
• Hrvatsko društvo za neuroznanost (Croatian Neuroscience Society)
• European Society for Neurochemistry
• Society for Neuroscience (USA)
• American Academy of Neurology
• International Brain Research Organization
• New York Academy of Science
• International Neurotoxin Association

Supervision (mentorship) of PhD Thesis
1. Darko Zdilar, PhD 1988 (now specialist in Psychiatry, US)
2. Melita Šalković, PhD 1992. (now Professor in Pharmacology)
4. Lidija Bach-Rojecky, dr sc. 2006. (now Asoc Professor in Pharmacology, chief dept Phar, Faculty Pharmacy and Biochemistry)
5. Ivica Matak, PhD 2015.
7. Višnja Drinovac Vlah, PhD 2017. (cosupervisor at School of Farmacy and Biochemistry- Zagreb University)

• Mentor in the development of 12 graduate theses, 14 master’s and doctoral degrees

Teaching experience:

• Undergraduate studies at the Faculty of Medicine, University of Zagreb, sometime in Split and Osijek (while these faculties did not train their own teachers)
• Author (initiator, director and camera) 5 VHS tapes on practical in Pharmacology; used in Zagreb during the Homeland War, especially at the faculties of Osijek and Split, while not being able to hold practical
• Professional (specialist) postgraduate program in neurology, Neuropharmacology course leader
• While there was a Postgraduate Study in Biomedicine: Psychopharmacology
• Course leader in Pharmacodynamics at Postgraduate Study in Clinical Pharmacology (since the beginning of the study 1984-)
• Course leader on Neuropharmacology, postgraduate program (MSc and PhD) Faculty of Natural Sciences - PMF (1987-2004)
• Lecturer in Postgraduate Degree in Gastroenterology and Dermatovenerology (1986-2004)
• At the Doctoral School of Medicine Faculty Course leader. Structure of methodology and functioning of scientific work
• Ph.D. School of Biomedicine and Health at the Faculty of Medicine: Neurotransmitters
• Ph.D. School of Biomedicine and Health at the Faculty of Medicine Pharmacodynamic Course Principal: Molecular Mechanism of Drug Action

Invited lectures and organization of symposia or workshops outside the country and at international conferences, with original research as a topic

1. 1980. - A.H. Robins Co., Richmond, USA
2. Laboratory of Preclinical Pharmacology, NIMH, Washington, DC, USA
3. 1981 - Blood and Lung Institute, NIH, Bethesda, USA
4. 1981. - Symposium "Dynamics of Neurotransmitter Function, Washington DC, USA
5. 1982. - Symposium "Is dopamine a peripheral neurotransmitter, American Society for Pharmacology and Experimental Therapeutics, 66th FASEB, New Orleans,
6. 1985. Department of Pharmacology, McGill University, Montreal, Canada
7. 1985. Department of Pharmacology, Ohio State University, Columbus, USA
8. 1985. Department of Pharmacology, Iowa State University, Iowa City, USA
9. Institute for Mental Health, Ann Arbor, USA
10. 1987. - Peripheral Actions of Dopamine: Satellite Meeting of the 10th International Congress of Pharmacology, Melbourne, Australia
11. 1993. - LEK Pharmaceutical Work, Ljubljana, Slovenia
12. 1994. - Hudinge Hospital, Karolinska Institutet, Stockholm, Sweden
13. 1994. - BioCytly, Abo Akademi University, Turku, Finland
14. 1999. - Life Sciences conference, Slovenian Pharmacological Society,
15. 2002 Symposium on Movement Disorders: 4th Alpine Basal Ganglia Club & Selected Topics in Neuropharmacology, Zagreb
16. 2004. - Klinik und Poliklinik für Psychiatrie und Psychotherapie, University of Wuerzburg
18. 2007. - 10. Central European Neuropsychopharmacological Symposium, Sarajevo
19. 2007. - Neurology Clinic, Medical School, University of Olmouc
20. 2010. - Zagreb, Workshop organization and lecture "Botulinum toxin A in experimental migraine" at The 42nd International Danube Neurology Symposium
22. 2010. - Pula: Plenary lecture Botulinum Toxin A in Experimental Migraine 50th International Neuropsychiatric Congress
24. 2013. Hannover (Germany): invited lecture Mechanism of Botulinum Toxin A in Migraine. Department of Neurology University of Hannover
25. 2013. -Ljubljana; Organization of the workshop "Botulinum toxin and Pain" and lecture on SiNAPSA Neuroscience Conference '13 (SNC'13)

26. 2013. -Zagreb; Plenary lecture at the 7th Croatian Congress of Pharmacology


29. 2017. -Pariz invited lectures with Skype transmission to Oxford; IPSEN Innovation, 5 avenue du Canada; 91940 Les Ulis

Invited lectures and organization of symposia or workshops on doctoral studies:


5. 2009. Aarhus. Introductory lecture. 4. ORPHEUS conference


10. 2009 Standards of doctoral studies, Turkish Pharmacologist Congress, Antalya

11. 2010 Copenhagen: Workshop Organization PhD in Pharmacology and lecture at XIIth World Conference on Basic and Clinical Pharmacology 2010: WorldPharma 2010 (IUPHAR)

12. 2010 Cluj Napoca (Romania) University of Medicine and Pharmacy "Iuliu Hatiegan": Plenary lecture: "The Need for International Evaluation of PhD Programs: The Role of ORPHEUS" at National Conference: "Comprehensive PhD Programs in Biomedical Sciences; steps towards better training and higher scientific achievements of young researchers ":

13. 2010 Frankfurt (Germany) Invited lecture at the European Science Foundation EMRC meeting published on May 2007 ESF project Medical Research in Europe


15. Stockholm Stockholm (Sweden) Royal Swedish Academy of Science: Announced discussion (short lecture) at the workshop: "How increased interaction between basic biomedical research and Pharmaceutical Industry will make Sweden more competitive".

16. 2011. Vienna (Austria). Workshop organization and lecture on doctoral studies in biomedicine and healthcare at AMEE Annual Conferences
17. 2011. Lausanne (Šv icarska) Invited lecture at the Annual General Meeting Network of European Neuroscience Schools (NENS)

18. 2011. London (UK) invited lectures at a workshop organized by the British Pharmacological Society: "PhD standards in Pharmacology"

19. 2011. Leioa (Spain) University of the Basque Country, Faculty of Medicine: Invited lecture Improving the Quality of PhD Studies in Biomedicine Through International Cooperation was held at Leioa, Spain

20. 2012. Marin (Slovakia) Invited lecture at the Jessenius Faculty of Medicine in Martin, Comenius University, University of Martin (ORPHEUS Workshop: "PhD Study from the Student’s View")

21. 2012. Wuerzburg (Germany) Plenary lecture on DAAD project supported international workshop on PhD program, Wurzburg

22. 2012. Istanbul (Turkey) Marmara University; PhD workshop and lecture on Vision of ORPHEUS in PhD D dation: Towards European Standards,

23. 2012. Glasgow: Invited lecture "ORPHEUS Standards as a Tool for Improving the Quality of PhD Programs" ORPHEUS-EFIS Workshop - "PhD in Immunology", European Congress of Immunology


25. 2012 Lyon (France) organization of ORPHEUS Workshop: Towards Global Standards for PhD Programs in Medical Education and its lecture: Globalization of PhD standards. AMEE Conference

26. 2013 Beijing (China) invited lectures at "Beijing University Health Science Center Beijing University"

27. 2013. Krakow (Poland): Organization and Workshop in Krakow (Jagellonian University) ORPHEUS Workshop on Clinical PhD, Research at the Bed Side, Jagellonian University, Krakow, Poland 2013,

28. 2013 in Dubrovnik (IUC) Orpheus Workshop and Educational Package "Responsible Conduct in Research"


30. 2013. Pécs (Hungary): Invited lecture at the Interdisciplinary Doctoral Conference - IDK2013 organized by the Doctoral Student Association of the University of Pécs,

31. 2013. Karaganda (Kazakhstan): Invited lecture at The 2nd Central Asian Medical Education Conference

32. 2013. Zagreb: Organization of ORPHEUS Workshop and lecture at the 7th Croatian Congress of Pharmacology

33. 2014. Tbilisi (Georgia): Organization of PhD programs in biomedicine and health sciences. Invited lectures at D.Tvildiani Medical University and at a meeting of all medical faculty of Georgia,

34. 2014. Almaty (Kazakhstan). "Organization of PhD programs in biomedicine and health sciences". Invited lecture at Kazakh National Medical University (KazNMU) named after S.D.Asfendiyarov

35. 2014. Izmir (Dokuz Eylil University): invited lecture at the 7th EUA-CDE Thematic Workshop: Outcomes of Doctoral Education - Mindset, Research, Innovation

36. 2014. Cape Town (South Africa): Workshop organization and lecture at the 17th World Congress of Basic and Clinical Pharmacology 2014

Research Project Principal Investigator

• 1975-1985 Biogenic amines and nervous system, SIZ Croatia
• 1985-1990 Neuromediator: physiological and pathophysiological significance, SIZ for Scientific Work of Croatia
• 1983-1985. Peripheral Dopaminergic Neuronal System (Project 02-289-A) Supported by US-Yugoslav Joint Board on Scientific and Technological Cooperation
• 1985-1990 Indicators of science and social change (one of the main researchers), SIZ science
• 1991-1994 Dopamine and other neurotransmitters in the health of the disease, Ministry of Science of the Republic of Croatia
• 1994-2000 Mitogen neurotransmitters in vivo, Ministry of Science, Education and Sport of the Republic of Croatia
• 2007- Neurotransmitters and new mechanisms for drug and poisoning (108-1080003-0001), Ministry of Science, Education and Sport of the Republic of Croatia
• 2007- Program: Neurotransmitters in Health and Disease. Ministry of Science, Education and Sport of the Republic of Croatia (program coordinator)
• 2015- 2017. Clostridial neurotoxins and brain; Brain Tox. Croatian Foundation for Science
• 2017- Collaborative Project with IPSEN INNOVATION 5, avenue du Canada, 91940 LES ULIS (Paris)

Other professional activities:

• 1976)Founder and leader of the Laboratory for Molecular Neuropharmacology, Department of Pharmacology
• One of the organizers (along with I. Kostović, N. Bohaček, M. Relja, I Kračun) of the First Yugoslav Congress on Neurotransmitter in Health and Disease, Zagreb 1986.
• 1985-1990) Member of the Central Medicine Committee (Matična komisija)
• 1993-1996) Expert in the "Ad hoc Working Group for Neuroscience Coordination in Europe"
• 2001 Organizer II. of the Croatian Congress of Pharmacology with International Participation (Zagreb)
• 2001-2004 Member of the National Bioethics Committee of the Government of the Republic of Croatia
• Founder and Head of Ph.D. Program: Biomedicine and Health Sciences, Faculty of Medicine 1998 - 2017
• 2006 – 2017 Member of the Executive Committee of the Association of Medical Schools of Europe
• Member of the Permanent Curatorium of Neuropsychiatric Pula Congress (since 2000 Member of the Scientific Committee and since 2006 of Bord of Trusties).
• 2010 - 2014 Member of the Board of Doctoral Studies of the University of Zagreb (before the 2009 member of the Working Group for the Development of the Regulation of Doctoral Studies)
• 2012.-2014. Member of the Committee for Science and Technology Development at the University of Zagreb
• 2009v- President of the Committee for the Supplementation of Narcotic Drugs and Psychotropic Substances by the Ministry of Health of the Republic of Croatia
• 2012v- today. Member of Croatian Body for Monitoring of New Drugs at the Office for Suppression of Drug Abuse of the Government of the Republic of Croatia
• 2004-2014vFounder and First President of the European Association of PhD Programs in Biomedicine and Health: ORPHEUS (Organization for PhD Education in Biomedicine and Health Sciences in European System)

Editorial Boards of Scientific Journals:
• Member of the editorial board Croatian Medical Journal (1991-1992)
• Member of the editorial board editorial office "Liječnički Vjesnik" (1985-1991)
• Member of the editorial board "Medicus" (1991)
• Member of the editorial board "Neurochemical Research" (2018-)

Reviewer in Research Journal, evaluator of resesech projects and doctoral programs
• Evaluation of scientific projects in the field of biomedicine of the MZOŠ, the Republic of Slovenia's Research Agency, the Bulgarian Science Foundation, the Portuguese Agency for Science and Technology (FCT)
• Evaluator of Doctoral Studies in Stockholm (Karolinska), Reykjavik and Ankara (Hacettepe)
  Evaluation of Reseach projects:
MZOŠ, Croatia
Agencije za raziskovanje Republike Slovenije,
Resech Funds of Bulgaria,
Agency for science and technology (FCT) Portugal.
Ministry of Science Italy

Scientific interest
University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“

- Pain
- Botulinum Toxin
- Dopamine and its receptors in the peripheral nervous system
- Neurochemical changes in Diabetes Mellitus
- Neurochemical changes in growth and regeneration
- Neurotransmitters in peripheral endocrine tissues
- Different aspects of Pharmacology

Scientific achievements

In numbers

Publications: One independent book (Neurotransmitter in Health and Disease), co-author and / or editor of 16 monographs. Published about 200 publications, indexed in PubMed 81, in Web of Science (All) 139, in other journals and monographs 40, in professional and textbooks chapters 65, congress abstracts over 122 (January 2018)

Citations:

Web of Science All: 1417 (without self-citation 1245) (139 papers), (January 2018)
Web of Science Core Collection: 1351 (without self-citations 1189) (98 papers), H index: 22 (Jan 2019),
ResearchGate: 128 articles, citations 1676, index H 24 (without self-citations 24) (Jan 2018)

Other:

Since 1975 he has been running domestic or international projects. Mentor in the design of 14 doctoral and / or master’s degrees (Ph.D. Ivica Matak received the State Prize for Science for Young Scientists).
ResearchGate: 128 članaka, citatati 1800, H indeks 26 (bez samocitata 24) (prosinca 2018.)

Descriptive

Initially worked with M. Bulat on issues of CSF dynamics (work in Science from 1974, see list of publications).

First investigated the presence of monoamines in the spinal cord of man. Monoamines in the brain of patients with diabetes mellitus. Developed a HPLC method for measuring serotonin and its metabolites in biological material. Discovered that compensatory growth, after the removal of one of the parental organs: the adrenal glands or ovaries mediated by nervous innervation, resulting in a change in the signaling of specific receptors. The phenomenon has not been sufficiently explained to date.

The most important discoveries are the following:

- First discovered the degradation of dopamine in peripheral tissues and dopaminergic receptors in some peripheral tissues. The finding that dopamine does not meet the conditions for peripheral hormone is mentioned today (more without citation of authors) in the most well-known internal medicine books, eg Harrison, and finding that for different biochemical tests should be taken different lumbar facial fraction is present in many specialized laboratory medicine. These findings are so widely accepted that authors are no longer quoted today (which is a normal consequence of the cumulative character of medical sciences).
• Together with his associates, he first discovered that botulinum toxin type A after peripheral administration by axonal transport come to in the central nervous system. The toxin that comes with sensory neurons in the central nervous system mediates the antinociceptive / analgesic action of botulinum toxins.

• Together with his associates, he first discovered that neurogenic inflammation of the brain envelope is not only part of the pathophysiology of migraine, which is generally accepted, but is a reaction to various types of pain in the area of the head and neck, ie in the area innervated by trigeminal nerve.

Other Achievements

At the time of the Homeland War, he independently encouraged the collection of photographic documentation and recording of data on the destruction of Croatian hospitals, with which he published several articles in the Croatian Medical Journal, Medicine and War, Medical Journal, etc., with doctors from these hospitals (Vukovar, Osijek, Vinkovci, Lipik) (modestly but very much appreciated for this is the "Diploma of a Summoning Member of Doctors Association of Slavonia").

Additional interest: Science Research: As a Dean for Science, first explored in detail the international position and impact of medical research from Croatia and the former SFaRy, using scientometric approach and thus started research at the Faculty of Medicine (the first publication, together with dean Lj. Čečuk in the papers of the Faculty of Medicine 1984). Related to this he led the project "Indicators of Science and Social Change" and was the mentor of the first master's degree in this area (Buneta Z.1988.). "Discovered" the meaning of some in our history of forgotten scientists (Vladimir Sertić, who discovered a number of bacteriophages), instigated and edited the book "Measures for Science". Based on these studies, the minimum criteria for scientific advancement at the Faculty of Medicine included internationally visible publications (CCs) and gradually became the official criteria of the Republic of Croatia. (until 1986 the mention of Current Contents and so was almost forbidden at Croatian medical schools).

As a leader and founder (1987/88) of the Ph.D. programe in Biomedicine and Health, he was the first president of the Association of European PhD Studies (ORPHEUS), which today has more than 100 medical universities / faculties mostly from Europe but also from the USA, Canada. Within this activity, he initiated the process of harmonization of doctoral research in Croatia and introduced the European dissertation criteria (they are currently stopped but due to the growing criticism and external influences we will soon be "returned to Europe"). Acknowledgment for international co-operation has been received by the Faculty of Medicine in Riga, a series of plaques, and an award from the International Co-operation Committee of the University of Zagreb for the promotion of doctoral studies.

As a researcher of neurotransmitters acting as addictive drugs, and as chairman of the Croatian Society of Pharmacologists, he launched a public education action on drug neurotoxicity, which included a large number of schools and so on, and received acknowledgment by the Ministry of Education and Sports of the Republic of Croatia in 2003.

Prizes and awards
• Acknowledgment of the Ministry of Science, Education and Sport of the Republic of Croatia 2003 (for the organization of educational actions in schools of drug damage by the Pharmacologist Society)
• Regular member of the Academy of Medical Sciences of Croatia (2004-)
• Annual State Award for Science, in the field of biomedical sciences, "for a scientifically significant discovery of axonal transport and central action of botulinum toxins on pain", (Croatian Parliament, Zagreb 2013)
• Honorary Professor of State Medical University of Karaganda (Honorary Professor, Upon the Decisions of Academic Board of Karaganda State Medical University, Karaganda 2013)
• Honorary Member of ORPHEUS (ORPEHUS: Organization for PhD Education in Biomedicine and Health)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 1998

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

MONOGRAPHS

Suautorstva, uredništvo


PUBLICATIONS, BOOK CHAPTERS ETC


43. Lackovic Z, Rebić V, Riederer P. Single intracerebroventricular injection of botulinum toxin type A produces slow onset and long-term memory impairment in rats. // Journal of Neural Transmission. 116 (2009), 10; 1273-1280,


Profesional publications
21. Trkulja V, Lacković Z. Sredstva ovisnosti i zagrebački studenti medicine. Liječnički Vjesnik. 121 (1999), 2; 115-117
22. Lacković, Z; Vitale. : Krešimir Krnjević - discovery of GABA and glutamate as the chief neurotransmitters in the brain. Periodicum biologorum. 2001; 103; 281-284
24. Šalković-Petrišić, M; Lacković, Z. Insulin resistant brain state and its link to diabetes mellitus. Periodicum biologorum. 2005; 107; 2; 137-146
42. Lacković Z; Trkulja V: Genetics and alcoholism: An example of multiple interactions of a drug and heredity. Biochemia Medica. 9 (1999), 3-4; 115-122
45. Lacković, Z, Vitale B: Krešimir Krnjević - discovery of GABA and glutamate as the chief neurotransmitters in the brain. Periodicum Biologorum. 103 (2001), 4; 281-284


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2016. - ORPHEUS PhD Oath of Responsible Conduct in Research. Creating an oath for responsible behavior of young researchers by conducting workshops with doctoral candidates or individually in several universities and countries (current participants: Izmir, Zagreb, Moscow, Karaganda, Sao Paulo, Hong Kong and others, about 300 PhD students)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 7
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Sonja Levanat, Prof., Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute (external associate)

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods in molecular oncology; Clinical laboratory diagnostics of malignant melanoma with special reference to molecular-biological diagnosis assessment

BIOGRAPHY

Prof. Sonja Levanat, senior scientist and full professor, graduated organic chemistry and biochemistry (1978), obtained master’s degree in medical biochemistry (1984) and PhD in experimental oncology (1988) at the Ruđer Bošković Institute (RBI), in natural sciences from the University of Zagreb. She did her postdoctoral training at the Institute of Physiological Chemistry, University of Hamburg, Germany (1989-1990) and Yale University, School of Medicine, USA (1993-1995), and then returned back to her home institution RBI. From 1996-2013 she has been a project leader of several scientific projects funded by Croatian Ministry for Science, Education and Sports, several bilateral projects: Croatian-Slovenian bilateral grant (1997-1999), Croatian-Austrian bilateral grant (2002-2004), “Cogito” Croatian-French bilateral grant (2003-2005), Croatian-Hungarian bilateral grant (2007-2009), several Terry Fox Run projects funded by Terry Fox Foundation and Canadian Embassy donations (2009, 2012, 2014, 2016, 2017, 2018), one project funded by Croatian Science Foundation (2017-2019) and on one she was a collaborator (2014-2018). She was also a collaborator on one international grant (2013-2016, FP7-REGPOT).

Prof. Levanat was a member of the Board for Biomedicine and Health at the Ministry of Science, Education and Sport Republic of Croatia (2013-2017), member of the Scientific Board of RBI (2007-2016), vice president of the Scientific Board of Biomedicine at RBI (2008-2016), member of the Library Board of RBI (2001-2006), and a director of spin-off company Rudjer Medikol Diagnostics Ltd (2007-2013).

Prof. Levanat was a founder and head of the Laboratory for Hereditary Cancer (2008-2019). She is a member of the European Association for Cancer Research (EACR) (from 1988), a Honorary Member of the EACR (from 2010), was member of the EACR Council (2006-2016), and from 2009 she is a representative of the national society (Croatian Association for Cancer Research) in the EACR. She is a founder of the Croatian Association for Cancer Research (Hrvatsko društvo za istraživanje raka, HDIR) and its President from 2009. She is a member of the Croatian Society of Biochemistry and Molecular Biology (CSBMB) from 1986, was member of the Presidency of CSBMB (2003-2014), and from 2014 she is a member of the Council CSBMB. She is also a member of the Society for Clinical Genetics of Croatia (from 2015), the Croatian Society for Human Genetics, and member of the Committee on oncogenes and growth factors and the Committee on genomics and proteomics in oncology in the Department of Medical Sciences of the Croatian Academy of Science and Art (HAZU).

Prof. Levanat was member of the Editorial Board of Periodicum Biolorum (2009-2015), guest editor for 1998, vol 100 (No3), 2012 Supplement vol 114 (No 4) and 2014 vol 116 (No 4), and is a member of the Editorial Council of Libri Oncologici (from 2016).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 29/11/2017 - full professor, reappointment

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


6. Levanat S, Trnski D (2016) [Izazovi u traženju novih lijekova]. Priroda 106(1049)42-44; ISSN 0351-0662, HPD

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
1. HrZZ Research project "MIRnaGLI - Novel Molecular Mechanisms for New Therapeutic Approaches: Interactions of microRNAs and Hedgehog-GLI Signaling Pathway in Serous Ovarian Carcinoma" (02/05/2017-02/05/2019) - principal investigator Levanat S


6. Research project of the City of Zagreb “Dicovery Of New Biomarkes For Melanoma Development”, (Klasa 500-01/16-01/780, URbroj 251-03-02-16-2) (2016-2018) - principal investigator Levanat S

7. Research project DM-Drogerie markt Ltd. "Interaction Of Hh-Gli Signaling Pathway And Androgen Receptor In Prostate Cancer" (2016-2018) - principal investigator Levanat S

8. MZOŠ scientific project "Signal transduction in tumors: HH-GLI interactions and therapeutic potential" (2006-2013) - principal investigator Levanat S

9. MZT scientific project "The SHH/PTCH/SMO signaling pathway in tumorigenesis and development" (2002-2006) - principal investigator Levanat S

10. MZT scientific project “The role of Gorlin syndrome in malformations and tumor development” (1996-2001) - principal investigator Levanat S

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

1. HrZZ Research project "MIRnaGLI - Novel Molecular Mechanisms for New Therapeutic Approaches: Interactions of microRNAs and Hedgehog-GLI Signaling Pathway in Serous Ovarian Carcinoma" (02/05/2017-02/05/2019) - principal investigator Levanat S


6. Research project of the City of Zagreb “Dicovery Of New Biomarkes For Melanoma Development”, (Klasa 500-01/16-01/780, URbroj 251-03-02-16-2) (2016-2018) - principal investigator Levanat S

7. Research project DM-Drogerie markt Ltd. "Interaction Of Hh-Gli Signaling Pathway And Androgen Receptor In Prostate Cancer" (2016-2018) - principal investigator Levanat S
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Robert Likić, MD, PhD, Associate professor
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Characteristics of clinical medical research, Evidence based medicine
BIOGRAPHY
Dr Likic qualified in Medicine with honors at the University of Zagreb Medical School in 2001, after receiving the Dean’s award for the best student of medicine in 1999. Following internship, he trained in general internal medicine at the University Hospital Centre Zagreb and developed an interest in the effectiveness of problem based learning applied to the teaching of clinical pharmacology. He became board certified in internal medicine in 2007 and was awarded a PhD degree in 2008. He currently holds a tenured position of an associate professor in internal medicine and prescribing at the Zagreb Medical School and also works as a consultant internist and clinical pharmacologist at the University Hospital Centre Zagreb while continuing to have an active research interest into the effectiveness of medical education both at undergraduate and postgraduate levels, pharmacoeconomics, health technology assessment, medical informatics as well as rational use of medicines. Dr.Likic has had significant success in international collaboration with funding secured from the British Council to organize a multinational meeting in Zagreb in 2008 on rational use of medicines and he also received the Matovinovic fellowship award in 2009 which allowed him to spend 6 months working as a visiting scholar at the University of Michigan Medical School (Ann Arbor). So far, Dr.Likic published more than 30 research papers in Current Contents indexed journals and also participated actively in national and international meetings focused on pharmacology, clinical pharmacology and pharmacoeconomics. He is a member of several national drug committees and societies as well as an active board meember of a committee for education of the European Association for Clinical Pharmacology and Therapeutics (EACPT) and he is also a councilor and treasurer to the International Union of Basic and Clinical Pharmacology (IUPHAR) education section. He received the “Outstanding Early Educator Award” at the 16th IUPHAR World congress of basic and clinical pharmacology held in 2010 in Copenhagen (Denmark) and in 2015 was instrumental as an advisor for therapeutics to the CEO of the University Hospital Centre Zagreb.
DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 10.04.2017
LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- Sinergies of phosphomycin with other antibiotics against K. pneumoniae strains producing carbapenemases
- Prospective randomized clinical trial of efficacy of phosphomycin versus ertapenem in the treatment of urinary tract infections caused by E. coli strains that produce expanded beta lactamases
- Predictive value of serum specific IgE against general, local anesthetics and muscle relaxants in confirming hypersensitivity to these drugs by skin testing
- The effect of vitamin C, vitamin B1 and hydrocortisone on clinical course and outcome of treatment in patients with septic shock

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- Sinergies of phosphomycin with other antibiotics against K. pneumoniae strains producing carbapenemases
- Prospective randomized clinical trial of efficacy of phosphomycin versus ertapenem in the treatment of urinary tract infections caused by E. coli strains that produce expanded beta lactamases
- Predictive value of serum specific IgE against general, local anesthetics and muscle relaxants in confirming hypersensitivity to these drugs by skin testing
- The effect of vitamin C, vitamin B1 and hydrocortisone on clinical course and outcome of treatment in patients with septic shock

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Jasna Lovrić, PhD, full professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical methods in biomedical research; Molecular and biochemical approach to genetic disorders; Methods of molecular biology in medicine

BIOGRAPHY

Date of birth: 26/05/1958. Osijek. Education: 1982. the Faculty of Science, University of Zagreb, Department of Chemistry. MSc degree in 1987, in 1995 earned her PhD degree (Chemistry). 1987 was selected as research assistant. 1995 he was elected associate title of assistant, in 1998 scientific assistant, in 2000 scientific assistant professor at the Department of Medical Chemistry, Biochemistry and Clinical Chemistry, 2006, associate professor, and in 2010 the scientific title advisers, and from 12/07/12. full professor.

From 1982 to 1994 employed at the "Ruder Boskovic" in the Department physical chemistry. Since 1994, he worked at the School of Medicine, University of Zagreb in the Department of Chemistry and Biochemistry.

Since 2006 Head of the Insitute of Chemistry and Biochemistry and head of the Department of Medical Chemistry, Biochemistry and Clinical Chemistry at MF. Since 2006 course coordinator Medical Chemistry and Biochemistry 1 and 2 teacher at several courses in graduate and doctoral studies at the Ministry of Finance for students studying medicine in Croatian and English. She has written on several chapters in university textbooks and manuals for students graduate and doctoral studies. One of the results of university textbook editor of Harper's illustrated biochemistry. The editor is in 3 editions university handbook for exercise. Holder is in Chemistry and Biochemistry for students of Dental Medicine.

An active researcher, head of the project, and on several projects funded by the MSES. She actively participated in two international projects. Mentor student works awarded Rector's Prize, graduate theses, 2 doctorates, 3 of which are under construction.

She has published 40 scientific papers, 29 indexed in Current Contents (300 citations). She has participated in 50 scientific meetings most of which are international. A reviewer in several journals, textbooks and manuals.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2017 – 2021: Metallosupramolecular architectures and inorganic-organic polyoxometalate based hybrids, funded by Croatian Science Foundation (Project leader: full oprofessor Višnja Vrdoljak)

2017-2018. Enaminones and their complexes as antibacterial agents, project leader


EUROTRAC – Tropospheric Ozone Research (TOR) – project leader: full professor T. Cvitaš

project t JF 943/DOE – Electron Transfer Reactions –project leader J.H. Espenson, Ames Laboratory and Department of Chemistry Iowa State Univerity, Department of Energy (DOE) I IRB
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


2017 – 2021. Metallosupramolecular architectures and inorganic-organic polyoxometalate based hybrids, funded by Croatian Science Foundation, project leader: full professor Višnja Vrdoljak; collaborator

2017-2018. Enaminones and their complexes as antibacterial agents, project leader

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 2 and 3 in process
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mila Lovrić, PhD. assistant professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical methods in biomedical research, Pharmacogenomics; Laboratory approach to transplantation of haematopoietic stem cells

BIOGRAPHY

Born on 7 Dec 1968 in Tijarica. Graduated in 1992 from Faculty of Pharmacy and Biochemistry, Univ of Zagreb. MSc degree (biomedicine) in 2001, in 2010 earned her PhD degree. She passed the specialist exam in analytical toxicology in 2001. Since 1992, she has been employed at University Hospital Centre Zagreb; in 2007 she became head of the Lab. for Chromatography Techniques, and since 2010 she has been the head of the Clinical Unit for Multidisciplinary Application of Chromatography. In 2011, she was appointed to the rank of research associate at the University of Zagreb and promoted to the rank of senior research associate in the field of biomedicine and health in 2013. In 2017, she was elected assist. professor in the field of biomedicine and health, field: pharmacy, branch: medical biochemistry at Faculty of Pharmacy and Biochemistry in Zagreb. She has published 23 scientific papers indexed in Current Contents, 7 indexed in SCI, and 5 other articles, more than 308 CC and SCI citations. Areas of interest: validation of new chromatography methods, therapy individualization and analytical toxicology.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 11 Sept. 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Co-author of Project: Nada Bozina: Pharmacogenomics and Pharmacovigilance - Preventing Side-Effects in Individualization Therapy; The project is jointly implemented by the University Hospital Center Zagreb, Zagreb University School of Medicine and the Agency for Medicinal Products and Medical Products (HALMED).

Co-author of a Croatian Science Foundation project: Mario Habek. Brainstem Evoked Potentials Score and Composite Autonomic Scoring Scale as Predictors of Disease Progression in Clinically Isolated Syndrome.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Co-author of Project: Nada Bozina: Pharmacogenomics and Pharmacovigilance - Preventing Side-Effects in Individualization Therapy; The project is jointly implemented by the University Hospital Center Zagreb, Zagreb University School of Medicine and the Agency for Medicinal Products and Medical Products (HALMED).

Co-author of a Croatian Science Foundation project: Mario Habek. Brainstem Evoked Potentials Score and Composite Autonomic Scoring Scale as Predictors of Disease Progression in Clinically Isolated Syndrome.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof.dr.sc. Martina Lovrić Benčić

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Metabolic Syndrome

BIOGRAPHY

Martina Lovrić Benčić

Lašćinska cesta 96, 10000 Zagreb (Croatia)

+385 91 228 2240

mlbencic@icloud.com

WORK EXPERIENCE


01/06/1990–01/11/1992 Clinical Hospital Center “Rebro”, Internal clinic, Department of Endocrinology, scientific novice (Faculty of Medicine at the University of Zagreb)


EDUCATION AND TRAINING

PhD - Faculty of Medicine at the University of Zagreb, completed in 2000, Master’s Degree - Faculty of Medicine at the University of Zagreb, completed in 1992 Graduated from the Faculty of Medicine at the University of Zagreb in 1983, GPA 5 (out of 5 possible), “excellent” Graduated from the “Classical Gymnasium” in Zagreb in 1983, GPA 5 (out of 5 possible) Passed specialist examination in internal medicine in 1996; passed subspecialist examination in cardiology in 2000. In 2001. I have successfully passed the prestigious exam, NASPEXam, being the only person in Croatia who has done so at the time, and I gained the certificate of "Special Competency in Cardiac Pacing and Defibrillation" • I also participated in several clinical trials : 2 clinical trials on
antihypertensives, 1 trial on hyperlipidemia (ezetimibe and simvastatin, MSD) "DUAAL study" by Phyzer, ENGAGE TIMI-48 clinical trial of edoxaban efficacy, and Odyssey trial (PCSK9 drug testing).

Now I am leading a University project: Polymorphism -455G / A fibrinogen gene and polymorphism of MTHFR C677T in obese persons.

I participated in national research projects: from 1990 to 1992 and worked on the scientific project "Morphological and functional properties of pituitary adenoma" under the guidance of prof.dr. Mirko Koršić. Since 1996, I have been an active researcher on the project no.108196 "Pentadecapeptide BPC 157 - Further Research" (where I made a dissertation and co-authored on 17 published scientific papers and several congress summaries). Since 1997, I have been working on the CarNET project: Telemedicine in Heart Electrostimulation " In June 1999 I became a member of the team who made the first pacemaker programming via the Internet, as witnessed by congressional presentations and newspaper articles.

From 2002 until present I have been an active researcher in the project: “Tissue Doppler in assessing global and regional diastolic function” (code: 0108255).

From 2006 until 2013 in the project „Doppler of the myocardium in early detection and monitoring of cardiovascular diseases (code: 108-1081875-1991). During 2014 and 2015 I was involved in shortterm projects at the University of Zagreb (academic leader prof. Miličić) - The role of platelet reactivity in cardiovascular patients (code 1101257). 2016: Hypertension and Hyperreninemia Examination on Myocardial Left Ventricular Deformation (code 380-002/081-16-2).

I have been included in the MASTER survey since 2016. (Multicentral, international, controlled, clinical research on hypertension), and in Croatia since 2014. Coordinator of the European Society for Hypertension on sterile blood pressure control in patients with atrial fibrillation.

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s) UNDERSTANDING SPEAKING WRITING:

German B2 B2 B2
French B1 B1 B1

Communication skills A long teaching experience:

Teaching graduate courses: Since 1991 I have been participating in teaching at the Department of Internal Medicine as a conductor of internal medicine examinations. Since 1997, I have regularly participated in the teaching of Internal Medicine and Clinical Propedeutics, and in the elective subject "Myocardium in Physiological and Pathological Conditions". Since 2003, I have also been participating
in modules on the 6th year of medical studies: "Rational approach to drug use" and "Emergency
Situations (?)". I am teaching an elective subject that is being held regularly: "Electrostimulation of the
Heart in Clinical Practice", and co-leader of the subject 'Heart Disease and Pregnancy'.
Teaching postgraduate courses: In 2000, I have finished a postgraduate course of the 1st category
called “The Art of Medical Teaching” in which I have been participating for 16 years as an
instructor (27 courses held altogether). I also worked as an instructor of some 1st category
courses: „Laboratory and clinic – interface about which we talk too little (we do not talk enough?)
(Croatian Chamber of Medical Biotechnicians), postgraduate specialist course – Clinical
Pharmacology (as an instructor). I was an instructor of the PhD course called: Arterial Hypertension
and Diabetes, and Metabolic Syndrome. I am also an instructor of other postgraduate courses of the
1st category: Heart Arrhythmias – Rational Approach, and The Art of Medical Education, and of a
course: 22.-24-5. 2015. The Novelties of Nephrology and Areric Hypertension (Category I).
I was the head of the case “Electrostimulation of Heart“ at a postgraduate study.
Organisational / managerial skills Since 2003 I am Head of Outpatient Dpt., University Clinic for CV
Diseases, monthly we have 14000
patient visits.
I actively participated in organizing cardiologic congresses - "2nd Alpe Adria Cardiology Meeting" in
Brijuni in 1994, and "Second Congress of Croatian Society of Cardiology" in Zagreb, in 1996. I was
also in the organizing committee of "The First Croatian Congress on atherosclerosis" in 1997, held in
Brijuni. As the Secretary of Congress, I made a significant contribution to the organization of the 5th
Croatian Cardiac Congress in Opatija, I have been a member of the organizing committees of the 6th,
7th, 8th and 9th Congress of the Croatian Cardiac Society, and a member of the organizational board
"Symposium on Arrhythmias and Cardiac Pacing" every year, for the past 15 years. I was a member
of the organizational committee "Dubrovnik Cardiology Highlights" in 2011 and 2013. I was also a
member of the organizational board IUPHAR in Novigrad 9-11.6. in 2016, and of the 4th Congress on
Hypertension with International Participation in Porec, in 2017.
Job-related skills Member of professional societies:
Secretary of the Croatian Society of Cardiology (since 2003), Treasurer of the Croatian Society for
Medical Education (since 2002). A member of the Supervisory Board of the Croatian Society of
Cardiology (since 2008). A member of the Directory Board of the Croatian Society for Hypertension
and the Croatian Society for Medical Education. An active member of several professional
associations: the Croatian Society of Cardiology, the European Society of Cardiology, the Heart
Rhythm Society. Before: the North American Society of Cardiac Pacing and Electrophysiology
(NASPE) – full-time member, Association for Arrhythmia, Electrostimulation and Electrophysiology of
the Heart at the European Cardiac Society, Association for Echocardiography at the European
Cardiac Society,
Croatian Society for Atherosclerosis, Croatian Medical Association, Croatian Medical Chamber,
Croatian Internist Society, Croatian Society for Stroke Prevention and Croatian Society for Medical
Education (a member of the Directory Board and the treasurer since 2002).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 25.4.2017. Full professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS,
WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Dijabetičari i nekontrolirana arterijska hipertenzija M.Lovrić Benčić, M. Mihajlović, G. Eder, K. Krželj, Tena Jukić Liječ Vjesn 139, Supl.3, 38

Masked uncontrolled hypertension in cardiology outpatient practice. Martina Lovrić Benčić, Gregor Eder, Marina Mihajlović Cardiologia Croatica, 2017 (10-11); 12:60


Matovinović, Martina; Gašparović, Kristina; Memic, Dubravka; Bradić, Lada; Levicki, Rea; Vukovac Šoquek, Ivana; Lovrić Benčić, Martina Povezanost antropometrijskih i kardiometaboličkih parametara u adipoznih bolesnika // Cardiologia Croatica, 13 (2018), 11-12; 386-386 doi:10.15836/ccar2018.386

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Ivan Barisic, Diana Balenovic, Robert KliceK, Bozo Radic, Bojana Nikitovic, Domagoj Drmic, Mario Uдович, Dean Strinic, Darija Bardak, Lidija BerKopić, Viktor Djuzel, Marko Sever, Ivan Cvjetko, Željko Romic, Aleksandra Sindic, Martina Lovric Benčić, Sven Seiwerth, Predrag Sikiric. Mortal hyperkalemia disturbances in rats are NO-system related. The life saving effect of pentadecapeptide BPC 157 Regulatory Peptides, Volume 181, 10 February 2013, Pages 50-66 Q2


M. Jukic, L. Pavic, I. Bitunjac , T. Jukic, M. Milosevic, D. Lovric, M. Lovric Bencic . Myocardial bridging as one of the causes of atypical chest pain in young women, The Egypt Heart J (2017), http://dx.doi.org/10.1016/j.ehj.2017.03.005 Q4


M. Lovrić Benčić. Fibrilacija atrija – najčešća postojana aritmija, Medicus, 2016; 25(2) Q4
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2016. Investigation of hypertension and hyperinemic effect on left ventricular myocardial deformation (code 380-002 / 081-16-2). Since 2016. national coordinator in MASTER research (multicentre, internationally, controlled, clinical research on hypertension), and since 2014. Croatian project coordinator of the European Society for Hypertension for investigation of blood pressure control in patients with atrial fibrillation.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Leader: 2017: Linkage of polymorphism -455G / A fibrinogen gene and polymorphism of MTHFR C677T in obese patients with atrial fibrillation and thrombus in left atrial auricles

2018: Linkage of KCNE1 G38S gene polymorphism in patients with atrial fibrillation with -455 G / A gene for fibrinogen and MTHFR C677T gene

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2 doctoral theses, 1 master thesis, and 17 graduation theses
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Marko Lucijanić, MD PhD, research associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Dubrava

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular hematology

BIOGRAPHY

Marko Lucijanić graduated from the Zagreb University School of Medicine in 2010 and completed a PhD at the same institution in 2017. He is currently working as a Hematology specialist at the University Hospital Dubrava, Zagreb. His scientific interests are biology of myeloproliferative neoplasms and translation from basic to clinical hematology. He is also interested in biostatistics, particularly survival analysis. He fluently uses English and understands German. Born in Karlovac, father of three sons.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

6.12.2017. research associate

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

CC indexed journals


27. SCI Expanded indexed journals


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Sklerostin (SOST) gen i protein u kroničnim mijelo i limfoproliferacijama / Sclerostin (SOST) gene and protein in chronic myelo and lymphoproliferations”, University of Zagreb School of Medicine project to Rajko Kušec.
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Sklerostin (SOST) gen i protein u kroničnim mijelo i limfoproliferacijama / Sclerostin (SOST) gene and protein in chronic myelo and lymphoproliferations“, University of Zagreb School of Medicine project to Rajko Kušec.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Tomislav Luetic, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine Zagreb, University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liver transplantation in children

BIOGRAPHY

Prof. Tomislav Luetic is a specialist in pediatric and general surgery. He works at the Department of Pediatric Surgery and Urology at Rebro Clinic for Surgery. Neonatal surgery and the treatment of inherent malformations, education in medicine and the improvement of medical quality are his areas of close scientific and professional interest. He graduated from the University of Munich Children’s, Brigham & Women’s and Beth Israel in Boston, UCSF in San Francisco, Tufts University Boston Floating Hospital, Sapienza University in Rome and Charite Hospital in Berlin, at the University Children’s Surgery Clinic in Munich, Harvard University and Hospitals. He has published over fifty papers indexed in CC, SCI, IM and EM. The aforementioned works have been quoted tens of times. So far, he has actively participated in two scientific projects. He has participated in international and domestic congresses. He successfully participates in full time in undergraduate, postgraduate teaching. In the present term, he is head of the Department of Surgery at the Faculty of Medicine of the University of Zagreb and head of the Institute for Pediatric Surgery and Urology.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2012

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Čavar S. Luetic T, Bagatin D, Hrgović Z. Intraoperative Peritoneal Swabs and Antibiotic Therapy in Appendicitis: Review of our Results and Results of Literature. Abdominal surgery


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

How to measure health?
Thermal changes in bone healing after fracture
Influence of organized education on quality of work in outpatient care
The inherited metabolic and other monogenic diseases of children
Celiac disease in children: primary prevention and pathogenesis of chromosomal instability
Hepatocellular tumors

New Approaches to Hereditary Disease Diagnosis

A common molecular basis for the etiopathogenesis of bone disorders in humans

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

How to measure health?
Thermal changes in bone healing after fracture
Influence of organized education on quality of work in outpatient care
The inherited metabolic and other monogenic diseases of children
Celiac disease in children: primary prevention and pathogenesis of chromosomal instability
Hepatocellular tumors

New Approaches to Hereditary Disease Diagnosis
A common molecular basis for the etiopathogenesis of bone disorders in humans

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: LIBORIJA LUGOVIĆ MIHIĆ, PROF.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: SCHOOL OF DENTAL MEDICINE, ZAGREB

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical laboratory diagnostics of malignant melanoma with special reference to molecular-biological diagnosis assessment

BIOGRAPHY

Assoc. Prof. Liborija Lugović Mihić, Dermatovenerology Specialist, Associate Professor and recent Head of the Department of Dermatovenerology at the Faculty of Dental Medicine, University of Zagreb (2015-2018); Head of the Polyclinic Department of the Clinical Center for Dermatovenerology at the KBC "Sestre milosrdnice" hospital and Assoc. Prof. at the Faculty of Dentistry, University of Zagreb.

Liborija Lugović Mihić was born in 1968 in Šibenik, where she finished elementary and high school. In 1986 she enrolled at the Faculty of Medicine in Rijeka, graduating in 1992. Her internship started in June 1992 at KBC "Zagreb" in Zagreb, during which she attended postgraduate studies in Clinical Immunology at the Faculty of Medicine, University of Zagreb. During her internship and postgraduate studies, she was involved in scientific projects and research at the KBC "Zagreb" hospital at the Department of Dermatovenerology. From March 1994 to January 2001 she worked at the Health Center Kutina at the emergency center, where she was also the head of the Emergency Medical Service. In December 1995 she defended/submitted her master’s thesis, titled "The significance of routine immunological tests in the recognition and monitoring of atopic dermatitis". In December 2002, she defended her doctoral dissertation under the title "The Determination of Immunological Parameters as Confirmation of Disordered Immune System in Atopic Dermatitis". Then, in November 2001, she started specializing in dermatovenerology - she passed her specialization exam in 2005 - at the KBC "Sestre Milosrdnice" hospital in Zagreb, where she is still practicing and is currently Head of the Polyclinic there. In April 2005, she was elected the Senior Assistant at the School of Dental Medicine of the University of Zagreb, then as a Scientific Associate in October 2005, and in November 2007 as a docent at the Department of Dermatovenerology of the School of Dental Medicine, and finally in 2013, as an Assoc. Professor at the same department, where from 2015-2018 she was the Head of Department. She was also a mentor for a series of graduate theses and published papers, and she is currently a mentor to a number of PhD candidates. In addition, between 2010-2013, she was the director of dermatovenerology classes for the high schools of medicine in Bjelovar and Varaždin. She has also participated in several scientific projects with the Ministry of Science and in 2015 was declared the most effective dermatovenerologist by the Ministry of Health of the Republic of Croatia. In 2016, research by her mentees, Dr. Japundžić and Dr. Novak, was rewarded the Rector’s Award.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2013, 23rd SEPTEMBER- Assoc. Prof. (2019. Professor)

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Duvančić T, Lugović Mihić L, Crnarić I, Šitum M. Psychological and neuroimmunological interactions in the development of malignant melanoma. 4th Croatian Congress of Psychodermatology with International Participation; 2016 June 10-12; Zagreb, Croatia. 0-46.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Japundžić I, Vodanović M, Lugović-Mihić L. An analysis of skin prick tests to latex and patch tests to rubber additives and other causative factors among dental professionals and students with contact dermatoses. Int Arch Allergy Immunol. 2018;177(3):238-44.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

International Project COST 2017., 2018.g. (European Cooperation in Science and Technology): „A European Network for Connective Tissue Calcifying Diseases “(n°CA16115)

Project (2018.) “Utjecaj radnih uvjeta i konstitucijskih čimbenika na nastanak kontaktnog dermatitisa šaka u doktora dentalne medicine i doktora medicine“ - Prof. Liborija Lugovic-Mihic

Project (2007.) “Psihološki status bolesnika s različitim dermatozama i zloćudnim bolestima kože” (voditelj prof. dr. sc. Mirna Šitum).

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

International Project COST 2017., 2018.g. (European Cooperation in Science and Technology): „A European Network for Connective Tissue Calcifying Diseases “(n°CA16115), uz Ministarstvo znanosti i obrazovanja Republike Hrvatske

Project (2018.g.) “Utjecaj radnih uvjeta i konstitucijskih čimbenika na nastanak kontaktnog dermatitisa šaka u doktora dentalne medicine i doktora medicine“ - Prof. Liborija Lugovic-Mihic
NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ljerka Luć, associate professor
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University North
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Telemedicine

BIOGRAPHY
Ljerka Luć is an Associate Professor at University North. Since the academic year 2001/2002 to date, she has continuously worked as a guest teacher for the Telemedicine course within the Biomedicine and Healthcare University Postgraduate Doctoral Study Program at the School of Medicine of the University of Zagreb with a lecture on the topic Strategic planning of development of e-health. She has also lectured for the Information and Communication Science University Postgraduate Doctoral Study Program at the Faculty of Humanities and Social Sciences of the University of Zagreb on the subject of Designing an Integrated Information System Strategic Planning Model.

As a scientific researcher, she has actively participated in 3 national scientific projects and 2 international scientific projects, acting as Lead Researcher/Manager on one of them. She was appointed Scientific Adviser on Jun 2016 and Associate Professor on November 2017. All her degrees were obtained in social sciences, field: Information and Communication Sciences.

Ljerka Luć has published a total of 42 scientific papers (29 A1 and 13 A2). She has taken part in 20 international scientific conferences, at 12 of which she personally presented papers authored and/or co-authored by her. She has been mentor for 105 graduate theses and co-authored 10 scientific papers with her students. She has autonomously published 2 textbook, 2 chapters of a book and co-authored 1 manual and.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
Luić, Ljerka; Molnar, Livia: Impact of Internet on Cytology Information Management // Proceedings of the 10th International eHealth Conference Health Informatics Meets eHealth / Schreier, Günter; Ammenwerth, Elske; Hörbst, Alexander; Hayn, Dieter (eds.) - IOS Press, Amsterdam, Netherlands, ISSN: 0926-9630, pp. 119-123 / Vienna, Austria, 24-25 May, 2016 A1

Galinec, Darko; Luić, Ljerka: Asynchronous Message-Passing and Inter-Application Communication Software for Process Improvement in Complex Systems // International Journal of Knowledge-Based Organizations (IJKBO) / Wang, John; Abel, Marie-Helene; Bergman, Jukka-Pekka; Dealtry, Richard; Dvir, Ron; Grosky, William; Karaszewski, Robert; Lam, Wai; Lee, Anthony; Manolopoulos, Yannis; Mentzas, Gregoris; Riss, Uwe; Swart, Juani; Tatoglu, Ekrem; Terenziani, Paolo (eds.) - IGI Global, USA, Vol. 4, No. 4 (2014) pp. 36-50 (ISSN: 2155-6393, DOI: 10.4018/ijkbo.2014100103) A1


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**

Luić, Ljerka: *Strateško planiranje i upravljanje školom // Dumančić Poljski, Štefica (ur.) // priručnik / 70 stranica / Hrvatska akademska i istraživačka mreža – CARNet, Zagreb, 2018 knjiga, priručnik


Luić, Ljerka; Molnar, Livia: *Impact of Internet on Cytology Information Management // Proceedings of the 10th International eHealth Conference Health Informatics Meets eHealth / Schreier, Günter; Ammenwerth, Elske; Hörbst, Alexander; Hayn, Dieter (eds.) - IOS Press, Amsterdam, Netherlands, ISSN: 0926-9630, pp. 119-123 / Vienna, Austria, 24-25 May, 2016 A1

Luić, Ljerka; Fudurić, Ana: *Nucleus of the Strategic Planning of an Integrated University Information System // Proceedings of the 5th International Conference The Future of Information Sciences, INFuture2015: e-Institutions – Openness, Accessibility, and Preservation / Anderson, Karen; Duranti, Luciana; Jaworski, Rafal; Stančić, Hrvoje; Seljan, Sanja; Mateljan, Vladimir (eds.) - Department of Information and Communication Sciences, Faculty of Humanities and Social Sciences, University of Zagreb, Croatia, ISSN: 1847-8220, pp. 153-162 / Zagreb, Croatia, 11-13 November, 2015 A1


Galinec, Darko; Luić, Ljerka: Asynchronous Message-Passing and Inter-Application Communication Software for Process Improvement in Complex Systems // International Journal of Knowledge-Based Organizations (IJKBO) / Wang, John; Abel, Marie-Helene; Bergman, Jukka-Pekka; Dealtry, Richard; Dvir, Ron; Grosky, William; Karaszewski, Robert; Lam, Wai; Lee, Anthony; Manolopoulos, Yannis; Mentzas, Gregoris; Riss, Uwe; Swart, Juani; Tatoglu, Ekrem; Terenziani, Paolo (eds.) - IGI Global, USA, Vol. 4, No. 4 (2014) pp. 36-50 (ISSN: 2155-6393, DOI: 10.4018/ijkbo.2014100103) A1

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

**Title:** Optimization and risk management in information systems

**Ljerka Luić:** researcher in national scientific project

**Client:** Ministry of Science, Education and Sports of the Republic of Croatia

**Institution:** The Faculty of Electrical Engineering and Computing, University of Zagreb

**Period:** January 2007 – December 2011

**Area:** information science / computer science

**Code:** 036-0361983-3137

**Title:** Promote, mobilize, reinforce and integrate wireless sensor networking research and researchers

**Ljerka Luić:** researcher in international scientific project

**Client:** European Commission, FP7 program

**Institution:** L. M. Ericsson Limited, Ireland Research Centre

**Period:** April 2008 – August 2010

**Area:** information science / computer science

**Code:** 205494

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

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915
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Hana Ljubić, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular and biochemical approach to genetic disorders; Methods of molecular biology in medicine

BIOGRAPHY

Hana Ljubić was born on May 23, 1977 in Zagreb. She finished elementary and high school in Zagreb. In 2005 she graduated from the Faculty of Science, University of Zagreb. In July 2006, she started working at the University Hospital Centre Zagreb at the position of cytogeneticist at the Division of Cytogenetics and in November 2007 continued working at the position of analyst at the Division of Molecular Laboratory Diagnosis of the Department of Laboratory Diagnostics. In February 2009 she was at the Microcythemia hospital of Cagliari, Italy, on the professional training in the field of molecular diagnostics of Wilson disease by gene sequencing method. In 2013 she received her PhD at the Department of Biology of the Faculty of Science, University of Zagreb. So far, as a first author she published one paper in the international journal cited in Current Contents, and as a co-author she published four papers in national and international journals, two of them in journals cited in Current Contents. She is the author of 9 scientific abstracts and co-author of one book and manual. She participates in teaching as a collaborator in the Department of Medical Chemistry, Biochemistry and Clinical Chemistry, School of Medicine, University of Zagreb. Since 2016, she is an assessor in an expert group for Huntington disease, which is a part of European Molecular Quality Network (EMQN), organization for quality control in medical laboratories in the molecular genetics field, based in Manchester, England.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: -

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1) Ljubić H. Metoda lančane reakcije polimerazom za hibridizaciju s trinukleotidnim ponavljanjima; Miotonična distrofija tip 1 (Polimerase chain reaction method in trinucleotide repeat hybridization; Myotonic dystrophy type 1). In: Metode molekularne biologije u medicini (Methods of molecular biology in medicine). Bulić-Jakuš F, Sertić J (ed.) Zagreb: University of Zagreb, School of Medicine; 2016. p.156-159.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
1) 2016. Interaction of Hp, CYP2C9, CYP2C19 and PPARγ in the development of cerebrovascular ischemic stroke, supported by the University of Zagreb (leader, J. Sertić).

2) 2017. - 2018. The role of genetic and biochemical markers in the development of monogenic diabetes, supported by the University of Zagreb (leader, J. Sertić).

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1) 2016. Interaction of Hp, CYP2C9, CYP2C19 and PPARγ in the development of cerebrovascular ischemic stroke, supported by the University of Zagreb (leader, J. Sertić).

2) 2017. - 2018. The role of genetic and biochemical markers in the development of monogenic diabetes, supported by the University of Zagreb (leader, J. Sertić).
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assoc. Prof. Suncanica Ljubin Sternak, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb; Teaching Institute of Public Health “Dr. Andrija Stampar”, Zagreb, Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: “Pathogenesis of infectious diseases”.

BIOGRAPHY

Born in 1968 in Zagreb. Graduated at School of Medicine the University of Zagreb (1993). Specialist exam of Medical Microbiology and Parasitology (2002). Doctoral thesis entitled “Clinical and molecular epidemiological characteristics of human metapneumovirus infection in Croatia” (2008). Assistant Professor (cumulative employment) at University of Zagreb (2010-2016). Associate Professor at the University of Zagreb (2016-). Her professional interest is cultivation and molecular diagnostics of viruses, evolution of the viruses and other intracellular pathogens as well as monitoring the resistance of intracellular pathogens. She worked at the Croatian National Institute of Public Health (1996-2014). Head of the National Centre for polio and National Laboratory for Chlamydia (2004-2014). Since 2014 she is employed at the Teaching Institute for Public Health "Dr Andrija Stampar", as Head of the Department of Molecular Microbiology. She was an associate on projects of Croatian Ministry of Science, Basic Education and Sports: "Viral infections of the respiratory system" (2008-2013), also on project of the National Science Foundation "Research on the etiology, epidemiology, diagnostics and treatment of patients with prostatitis syndrome" (2010-2013), and associate on project of the National Science Foundation: "Genomics and molecular epidemiology of human paramyxoviruses in Croatia" (2014-). She coordinated University grants project for 2015 and 2016: "The meaning of the new pathogen metapneumovirus, coronavirus and bocavirus - in children and adults suffering from respiratory infections." She is the principal investigator of the Croatian national Foundation project: New and neglected respiratory viruses in vulnerable group of patients (2017-2021). She has published more than 100 scientific and professional articles and scientific abstracts, of which 75 in cited journals (42 in CC and 33 in other publications). Citations 856, h-index = 17.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 01.02.2016., associate professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Papers indexed in Current Contents:


Papers indexed in SCI-Expanded:


Papers indexed in Medline, or other international undex publications:


Other publications:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2017-2021 Principal Investigator on Croatian Science Foundation Project titled "New and neglected respiratory viruses in vulnerabile groups of patient" (grant: IP-2016-06-7556)

2016-Principal investigator on project Zagreb University Grant for academic year 2016: "Epidemiological and Clinical characteristics of metapneumovirus and bocavirus infection".

2015 Principal investigator on project Zagreb University Grant for academic year 2015: "Significance of metapenumovirus, coronavirus and bocavirus in children and elderly with acute respiratory infection”

2014-2018 research investigator on project of Croatian Science Foundation: “Genomics and molecular epidemiology of human paramyxoviruses in Croatia”

2010-2013 research investigator on project of Croatian Science Foundation No. 1401 5649 titled: „Research on the etiology, epidemiology, diagnostics and treatment of patients with prostatitis syndrome“

2008-2013 research investigator on projects of Croatian Ministry of Science, Education and Sports projects 0005002 and 005-0053443-3447 (G.M.G.) titled: „Viral respiratory infections“

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2017-2021 Principal Investigator on Croatian Science Foundation Project titled "New and neglected respiratory viruses in vulnerabile groups of patient" (grant: IP-2016-06-7556)

2016- Management Committee member for Croatia for COST Action: CA15114Anti-Microbial Coating Innovations to prevent infectious diseases (AMICI)

2015 Principal investigator on project Zagreb University Grant for academic year 2015: “Significance of metapenumovirus, coronavirus and bocavirus in children and elderly with acute respiratory infection”

2014-2018 research investigator on project of Croatian Science Foundation: "Genomics and molecular epidemiology of human paramyxoviruses in Croatia”

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Lovela Machala Poplašen, MA

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Public Health Andrija Štampar, University of Zagreb, School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Evidence Based Medicine, Structure, methodology and functioning of scientific work 2

BIOGRAPHY

Lovela Machala Poplašen is head librarian at the Andrija Štampar Library, School of Public Health, School of Medicine, University of Zagreb. She is a LIS PhD candidate at University of Zagreb, Faculty of Humanities and Social Sciences Her research interests are new technologies, information literacy, open science, scholarly communication and social media.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

• Čuljak M, Machala Poplašen L. Usporedba citatnih izvora na uzorku znanstvenika javnozdravstvene institucije u Hrvatskoj: Web of Science Core Collection, Scopus i Google Scholar// Vjesnik bibliotekara Hrvatske, 2019 [In Press]


• Hadjina G, Čuljak M, Machala Poplašen L. Klasifikacijski sustav u knjižnicama Medicinskog fakulteta Sveučilišta u Zagrebu // Vjesnik bibliotekara Hrvatske, 57 (2014), 1-3; 161-176 Dostupno na: https://hrcak.srce.hr/142258


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


- Čuljak M, Machala Poplašen L. Usporedba citatnih izvora na uzorku znanstvenika javnozdravstvene institucije u Hrvatskoj: Web of Science Core Collection, Scopus i Google Scholar// Vjesnik bibliotekara Hrvatske, 2019 [In Press]

• Machala Poplašen L, Vuletić I. Googlanjem do dijagnoze - informacijska pismenost medicinskih sestara i tehnika KB „Dubrava“. U: 15. dani specijalnih i visokoškolskih knjižnica : Povezivanje i suradnja:


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ksenija Makar-Aušperger, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: UHC Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Characteristics of clinical medical research

BIOGRAPHY

Dr med Ksenija Makar-Aušperger, Ph.D.
Institute of Clinical Pharmacology
Unit of clinical investigations
Clinical Hospital centre Zagreb
Department of Medicine
Tel +385 1 2388 275; +385 1 2388 284
Fax +385 1 2376 045
e-mail (business) : kmakar@kbc-zagreb.hr

PERSONAL DATA
Nationality Croatian
Date of birth 10.12.1958.

WORKING EXPERIENCE
Institution Clinical Hospital Sestre milosrdnice
Function intern
Institution Health Centre Črnomerac
Job title Medical doctor in primary health care
Function
Work area Family practice, pediatrics
Institution Clinical Hospital Centre Zagreb, Insitute of clinical pharmacology
Job title doctor
Function
Work area Hospital Drug Committee, Hospital Drug Bulletin,
From - to 2000.-2004
Institution Clinical Hospital Centre Zagreb, Insitute of clinical pharmacology
Job title Residency of clinical pharmacology
Function resident
Work area Clinical pharmacology
From - to 2004.-
Institution Clinical Hospital Centre Zagreb, Insitute of clinical pharmacology
Job title Specialist of clinical pharmacology and toxicology
Function Medical doctor, medical attendant, clinical pharmacologist
Work area Clinical pharmacology, performing clinical trials, consultant in clinical pharmacology and antimicrobial use, editor in chief of Hospital drug bulletin and Journal of pharmacotharapy,
From - to 2000.- 2013
Institution Clinical Hospital Centre Zagreb, Insitute of clinical pharmacology
Job title Member of editorial bord of several editions of Croatian Drug Formulary (3rd, 4th, 5th, 6th, 7th)
Function Co- editor and author
Work area edition

From - to 2006.- 2013
Institution Clinical Hospital Centre Zagreb, Insitute of clinical pharmacology
Job title Member of editorial bord of Textbook of Clinical Pharmacology (1st, 2nd editions)
Function Author
Work area edition

EDUCATION
Year 1986.
Place Zagreb
Institution Medical School of Zagreb
Title Medical doctor
Place Zagreb
Institution Clinical Hospital Centre Zagreb, Institute of Clinical Pharmacology
Title položila specijalistički ispit iz kliničke farmakologije
Year 2003.
Place Zagreb
Institution Medical School of Zagreb
Title Professional postgraduate study (clinical pharmacology)
Year 2008-2015. scientific postgraduate study
Place Zagreb
Institution Medical School of Zagreb
Title Ph D

SPECIALIZATION
Year 2001. Introduction to GCP
Place Wien; Austria
Institution Vienna School of Clinical Research
Work field Good Clinical Practice
Year 2001. Scientific aspects of clinical trials in cardiovascular diseases u Vienna School of clinical resea
Place Wien; Austria
Institution Vienna School of Clinical Research
Work field Clinical trials in Cardiology (cardiovascular pharmacotherapy)
Year 2012.
Place Munich, Germany
Ustanova Drug Hypersensitivity Meeting
Work field Drug allergy

GOOD CLINICAL PRACTICE EDUCATION
Year 2008. -2014
Place Medical School of Zagreb
Work field Teacher in postgraduate continuous medical education a course of Good Clinical Practice

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS
Makar-Aušperger, Ksenija; Krželj, Kristina; Lovrić Benčić, Martina; Radačić Aumiler, Matea; Erdeljić Turk, Viktorija; Božina, Nada Warfarin dosing according to the genotype-guided algorithm is most beneficial in patients with atrial fibrillation: a randomized parallel group trial Therapeutic Drug Monitoring 40(3):362-368, June 2018


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Sime Manola assistant professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: UH Sisters of mercy, School of medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Electrophysiological methods in medical research

BIOGRAPHY

Baboniceva 117 10000 Zagreb Croatia

Phone: +385 91 30 20 502; email: sime.manola@kbcsm.hr

EDUCATION

2006 - 2007
Subresident in Cardiology, University Hospital “Sestre Milosrdnice”, Zagreb
- Emphasis on Arrhythmology, Electrophysiology and IPG, ICD, CRT devices
- Completed with excellent success
2005 San Donato Milanese, Milan, Italy
- One year scholarship education in electrophysiology, Mentor: prof.dr. Riccardo Cappato
2000 - 2003 University of Zagreb, School of Medicine
- Postgraduate student (relevant coursework in epidemiology, clinical trials)
2000 - 2003 Resident in Internal Medicine, University Hospital “Sestre Milosrdnice”, Zagreb
- Performing plan and program of Ministry of Health of the Republic of Croatia
- Completed with excellent success
1989 - 1995 University of Zagreb, School of Medicine

WORK EXPERIENCE

2011 – present Director of Cardiology Department, University Hospital “Sestre Milosrdnice”, Zagreb
- 12 years of experience in echocardiography and interventional cardiology (150 diagnostic and interventional procedures per year)
- 10 years of experience in electrophysiology (250 diagnostic and ablation procedures per year) and in the implantation program (IPG, CRT, ICD; about 100 devices per year)
2007 - 2011 Department Cardiologist, University Hospital “Sestre Milosrdnice”, Zagreb
2003 - 2007 Department Physician, University Hospital “Sestre Milosrdnice”, Zagreb - Specialist in internal medicine;
2000 - 2003 Fellow in Internal Medicine, University Hospital “Sestre Milosrdnice”, Zagreb
1995 - 2000 Physician, Zagreb Emergency Unit

ACADEMIC EXPERIENCE

2015 Assistant Professor at University of Zagreb, School of Medicine
2014 Senior Research Associate at University of Zagreb
2010 Senior Assistant at Internal Medicine Department, University of Zagreb

2010 PhD; Title: “Impact of AV Delay on Interventricular Disynchrony and Stroke Volume in Patients With High Grade AV Block and Implanted DDD Pacemaker”

2005 Assistant at Internal Medicine Department, University of Zagreb

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 15 June 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

0

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

0
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Jurica Maraković, MD, PhD, research associate
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Dubrava

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pathophysiology of the brain and CSF

BIOGRAPHY
He was born in 1972 in Sisak.
He graduated from the University of Zagreb Medical School in 1997.
He was awarded the Rector's Award for best studying work in 1997.
In 1998, after completing a one-year internship, he passed a state exam.
In 1999 he began his specialization in neurosurgery for the Clinical Hospital "Dubrava".
During his specialization, he has been abroad for vocational training on several occasions.
Since 2000, he has participated in scientific research at the Ruđer Bošković Institute.
In 2004 he completed a three-year postgraduate doctoral program "Biomedicine and Health" at the Medical School of the University of Zagreb.
In 2006 he completed his specialization in neurosurgery and passed a specialist examination at KBC Rebro's Neurosurgery Clinic in Zagreb.
He is a member of the Croatian Neurosurgery Society, EANS, WFNS, ISHCSF, and the Croatian Society for Neuroscience.
He is also author and co-author of several scientific and professional papers in domestic and international indexed journals, and is an active participant in several domestic and foreign congresses and other professional conferences.

Email: juricam@kbd.hr

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2014

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


University of Zagreb School of Medicine

PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Hydrodynamics of cerebrospinal fluid
Pathophysiology of cerebrospinal fluid and intracranial pressure
Pathophysiology of Severe Brain Injury and Craniospinal Volumetry
Development of cortical pathways in humans

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Hydrodynamics of cerebrospinal fluid
Pathophysiology of cerebrospinal fluid and intracranial pressure
Pathophysiology of Severe Brain Injury and Craniospinal Volumetry
Development of cortical pathways in humans
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Darko Marčinko, MD, PhD, associate professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb, and University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical psychopharmacology

BIOGRAPHY

Name (father’s name) and surname: DARKO (Jozo) MARČINKO, MD, Ph.D.
Workplace: psychiatrist specialist Psychiatric Clinic, Clinical Hospital Center Zagreb, Kišpatićeva 12, 10000 Zagreb, CROATIA
Date and Place of Birth: November 25, 1973, Zagreb, Croatia
E-mail: darko.marcinko@zg.t-com.hr
Education and jobs so far
1979-1987 OŠ Mladost, Zagreb
1987-1990 SŠ EOC, Zagreb (graduated after completing 3rd grade of high school and enrolled in study)
1990-1996 Faculty of Medicine, University of Zagreb
• During the study, a demonstrator at the Department of Physiology (1992-1994)
• after study, shorter time of scientific research on the same chair (up to going to MORH)
1996-1997 Medical Examination - Jordanovac Hospital for Pulmonary Diseases
September 1997 passed a state exam
December 1997- August 1999 employed at the Ministry of Health, Healthcare Directorate, among other activities worked as the editor of the medical newsletter and the fieldwork of doctors in Baška Polje (Makarska)
August 1999-December 1999 employed by AKD Mungos, on doctors’ duties in the demining team
December 1999 - December 2003 KBC Zagreb, specialization in psychiatry
On December 9, 2003 he passed a psychiatric examination
January 2004 - February 2009 employed at the Center for Crisis Situations of the Clinic for Psychiatry KBC Zagreb (Rebro)
Since February 2009 he has been employed as head of Department for Affective and Anxiety Disorders of the Institute for Integrative Psychiatry of the Clinic for Psychiatry KBC Zagreb (Rebro)
September 2009 earned the title of docent, in cumulative employment, at the Faculty of Medicine, University of Zagreb
December 2010 passed the subspecialist exam of biomedical psychiatry
May 2011 passed the examination for a court expert
July 2011 Member of the editorial board of the Croatian Medical Journal
December 2011 employed as Head of Nutrition and Pediatric Disorder Specification of the Clinic for Psychiatry KBC Zagreb (Rebro)
postgraduate education, University of Zagreb
He graduated 3 years of Doctoral Thesis "Medical Science" (1999-2002) at the Faculty of Medicine of the University of Zagreb and passed all examination requirements.
2007 He became a doctor of medical sciences in the field of biomedicine and health
Doctoral dissertation, defended on May 16, 2007 (topic: Biological and Clinical Indicators of Suicidality in Schizophrenia), mentor: Prof.dr. Miro Jakovljević
Psychotherapy education
Family, marital and partner psychotherapy. He finished five years of education (2002-2007) from Family, Marriage and Partnership Psychotherapy (Head of Education: Prof. V. Vidović, PhD in Psychological Medicine Clinic),

- 11/4/2005. passed the final exam,
- 2006 and 2007 completed the final, practical, supervisory part of the education,
- 16.5.2007. based on the education received the title "Family and Parent Psychotherapist, Psychoanalytic psychotherapy - completion of education in 2012.
- For several years (through period 2005-2007) in group supervision from individual psychoanalytic psychotherapy,
- within tripartite education: own therapy (at Prof. Dr. Vlaste Rudan) at the Clinic for Psychological Medicine (total 480 hours, during the period 2007-2012), supervision with 2 supervisors (total of 200 hours of supervision, during the period 2009-2012), as well as theoretical education (2008-2012).

Cognitive-Behavioral Psychotherapy. He completed 1st and 2nd grade of Cognitive-Behavioral Psychotherapy (Head of Education: Prof. N. Anić)

Medical Hypnosis and Hypnotherapy. He has completed several courses of medical hypnosis (co-operation with Dr. D. Legac)

Group analysis. Introductory part, conducted during specialization training (Head of Education: Prof. Dr. R. Gregurek)


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Multidimensional Analysis of Biological Indicators in Mental Disorders
Pharmacogenomics and proteomics of serotonin and catecholamines
Molecular basis and treatment of psychiatric and stress-induced disorders
Molecular-Biochemical Factors in Depressive Patients
Pharmacogenetic variability in psychiatric patients
Resistance to antithrombotic drugs in ischemic heart and brain disease
Predictive value of assessment of emotional and behavioral problems in young people
Hemorrhoidal disorders in chronic diseases
Neurobiological aspects of human adaptation to stress and response to psychotherapy

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Multidimensional Analysis of Biological Indicators in Mental Disorders
Pharmacogenomics and proteomics of serotonin and catecholamines
Molecular basis and treatment of psychiatric and stress-induced disorders
Molecular-Biochemical Factors in Depressive Patients
Pharmacogenetic variability in psychiatric patients
Resistance to antithrombotic drugs in ischemic heart and brain disease
Predictive value of assessment of emotional and behavioral problems in young people
Hemorrhoidal disorders in chronic diseases
Neurobiological aspects of human adaptation to stress and response to psychotherapy

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 3
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ivana Mareković, assoc. prof.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb, School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: 1. Laboratory approach to haematopoietic stem cells transplantation; 2. Methods of investigation in vivo and in vitro

BIOGRAPHY

Education
19 January 1996 Medical doctor after finishing School of Medicine University of Zagreb (average grade 4,70)
1996-1998 Internship at the Clinical Hospital Dubrava, Zagreb
26 March 1998 State exam at the Ministry of Health
27 May 2005 Specialty exam in medical microbiology and parasitology
November, 2005 Educational visit in Vienna, Austria in a Laboratory for Clinical Microbiology, Head of Dpt. Prof. M. Rotter (Allgemeines Krankenhaus der Stadt Wien – AKH)
May 2009 Educational visit in Leiden, Netherlands, in the Dpt. of Infectious Diseases, for genotyping of acinetobacters guided by Lenie Dijkshoorn

Working experience
1998 – 2001 Product Manager in Schering Plough
2001 – 2005 Specialty trainee in medical microbiology and parasitology at the University Hospital for Pulmonary Diseases Jordanovac, Zagreb
2005 – 2008 Specialist in medical microbiology and parasitology at the University Hospital for Pulmonary Diseases Jordanovac, Zagreb
27 October 2008 – till now Specialist in medical microbiology and parasitology at the Clinical Department for Clinical and Molecular Microbiology
from 2011 – Head of Department for mycobacteriology;
from 1 February 2016 – Head of the Clinical Department of Clinical and Molecular Microbiology

Scientific and teaching activity
14 December 2004 Master’s degree at Medical School University of Zagreb with thesis "Clinical significance of quantitative and semiquantitative cultures of Mycoplasma hominis and Ureaplasma urealyticum in urogenital samples"
8 September 2008 PhD at Medical School University of Zagreb with thesis „Significance of molecular methods in diagnosis of bacterial community-acquired pneumonia“
1 February 2010 - Assistant Professor at the Department of Medical Microbiology and Parasitology, School of Medicine University of Zagreb
4 April 2016 – Associate Professor at the Department of Medical Microbiology and Parasitology, School of
DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: April 4, 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Frequency of moulds and susceptibility to antifungals in hematological and other immunocompromised patients in clinical specimens from respiratory tract and their influence on antifungal treatment (university financial support)

2. The Global Point Prevalence Survey of Antimicrobial Consumption and Resistance (GLOBAL-PPS)

3. "Determination of pathogens from sequenced DNA", Zaklada ADRIS, principal investigator assoc. prof. dr. sc. Mile Šikić

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
1. Frequency of moulds and susceptibility to antifungals in hematological and other immunocompromised patients in clinical specimens from respiratory tract and their influence on antifungal treatment (university financial support)

2. The Global Point Prevalence Survey of Antimicrobial Consumption and Resistance (GLOBAL-PPS)

3. "Determination of pathogens from sequenced DNA", Zaklada ADRIS, principal investigator assoc. prof. dr. sc. Mile Šikić

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Alemka Markotić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital for Infectious Diseases
Zagreb, Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Mechanisms of allergic reactions;
Pathogenesis of infective diseases; Biomaterial infections;

BIOGRAPHY

Alemka Markotić is a full professor at the Faculty of Medicine, University of Rijeka, a full professor at the
Catholic University, Zagreb, Director of the University Hospital for Infectious Diseases "Dr. Fran
Mihaljević", Zagreb, Head of the Scientific Unit and Head of the Institute for Urogenital Infections,
Associate member of the Croatian Academy of Sciences and Arts since 2012 and a full member of the
Academy of Medical Sciences of Croatia since 2018. Since 2016., she is a permanent member of the

She graduated from the Faculty of Medicine, University of Sarajevo, Bosnia and Herzegovina (1989), did
her MsC in Medical Microbiology and Parasitology (1996), and PhD in the field of Infectious Diseases
(1999) at the Faculty of Medicine, University of Zagreb. Specialist in Infectology (2007) and Clinical
Immunology (1997, BiH).

Dr. Markotic began his career at the Medical School, University of Sarajevo, Bosnia and Herzegovina, on
an international project to investigate the efficacy of ribavirin in treating hantavirus infections in
collaboration with the US Army Medical Research Institute for Infectious Diseases (USAMRIID), Frederick,
Maryland. She was a National Academy of Sciences, National Research Council, USA Postdoctoral
Research fellow and did her research on Immunopathogenesis on hantaviruses in USAMRIID, Frederick,
Maryland, USA. For the results of this research, she were obtained the Joel Dalrymple Memorial Award
(American Society of Virology) and USAMRIID’s coin.

Dr. Markotić has received seven national and nine international awards (eg. the Croatian Academy of
Sciences and Arts annual award for medicine, the annual State Award for Medicine, the European Society
of Clinical Microbiology and Infectious Diseases Award for Excellence etc.).

She has published over 100 research papers, of which 64 are in CC / SCI, including manuscripts in
prestigious journals like Nature Medicine and The Lancet (number of citations: 1347 - Google Scholar), 15
chapters in books, six of them in foreign books and has presented over 200 presentations (invited and
plenary) at national and international conferences. Among others, a lectures were held at Columbia
University in New York; National Institute for Allergy and Infectious Diseases, NIH, USA; National Academy
of Sciences, USA in Istanbul and Zagreb; Poland Academy of Sciences, Warsaw; NATO International
Symposium on Biosecurity and Biosafety in Milan, Italy; the UN Biosafety Convention in Geneva and
others.

So far he has been or is the principal investigator of ten domestic and five foreign projects. She has been
or is an associate of eight domestic and international scientific projects, including the Center for
Excellence in Viral Immunology and Vaccines approved by the Ministry of Science and Education.

Dr. Markotić founded the Center for Emerging and Re-Emerging Infectious Diseases in the Clinic and also
participated intensively in the founding and creation of the first Croatian BSL-3 Laboratory for Diagnosis of
dangerous pathogens, founded the Croatian Society for Biosafety and Biosecurity. She is one of the few
experts (team led by Professor Markotić) in Croatia who has been trained and certified to work in the BSL-3 Laboratory (USAMRIID certificate), and is continually investigating different pathogens in collaboration with scientists from many prestigious international institutions. At the request of the European Commission and the Chinese Ministry of Agriculture, Dr. Markotić designed, organized and held a Biosafety / Biosecurity Course in Beijing, China, in May 2009.

Dr. Markotić also worked for ten years at the Institute of Immunology, Zagreb, which is the oldest producer of vaccines and immunological reagents in this area. She was responsible for the quality and safety of these products according to GLP, GMP, WHO, EU and some FDA regulations as the head of the Department for Quality Control of Viral Vaccines and Interferons.

Dr. Markotic is also a lecturer at postgraduate studies at the Faculty of Medicine, University of Rijeka, Zagreb, and the Forensic School in Split, and the Study of nursing at the Catholic University of Zagreb. She is a member of the International Society of Hantaviruses and the Board for Allergology and Clinical Immunology and the Committee for Genomics, the Croatian Academy of Sciences and Arts. She is also a member of several national and international societies in the field of immunology and infectious diseases. In the past, she was a member of the National Science Council, the Croatian Science Foundation’s Board of Governors and the Deputy Chair of the Regional Council for Biomedicine and Health. Prior to the Ministry of Science Education and Sports she was appointed member of the High Level Group for Joint Programming - GPC at the EU Commission, Brussels.

In 2008, 2009 and 2011, Dr. Markotić was a National Institute for Allergy and Infectious Diseases (NIAID) National Institutes of Health (NIH) project and grant reviewer. In 2004, 2005, 2009 and 2018., she was a project reviewer for the European Commission in Brussels in the field of immunology and infectious diseases. She is a member of the European Network of Imported Viral Diseases. In the period 2013-2014, she was a member of the NRC Committee on Science Needs for Microbial Forensics: Developing an Initial International Roadmap at the National Academy of Sciences, USA, within whichs she organized a similar symposium at the HAZU. She is currently a member of the NRC Committies: the Committee on Regional Workshops on Science and Technology Issues for Biological Weapons Convention and the Committee for Governance of Dual Use Research in Life Sciences: Advancing Global Consensus on Research Oversight. About the work of the aforementioned commissions and accompanying symposia of the American Academy, she has been lecturing many times (213, 2014, 2015 and 2018) as chairman of the Biological Weapons Convention (BWC), the Annual BWC Meeting of States Parties in Geneva.

So far, under Dr. Markotić mentorship, six doctoral theses has been defended, while two are in the phase of the application.

Dr. Markotić also was engaged in humanitarian work in her career. In 1992-1994, during the war in Bosnia and Herzegovina, she helped in organization and participate in the work and management of Caritas Health Care and Pharmacy in Sarajevo, which provided assistance to all the needy citizens of Sarajevo. During 1994, as the US Medical Relief Services Medical Coordinator in Zagreb, she spent half a year in participating in providing medicines for expatriate and refugee camps in the Republic of Croatia and devised a study of the incidence and prevalence of chronic diseases in camps, and the results were published in the Lancet.
DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: January 22, 2019;
full professor – permanent, in the field of biomedicine and health, field of basic medical science, branches of immunology, Faculty of Medicine, University of Rijeka

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Project leader: "The role of cytokines and chemokines in human cells infected with hantaviruses", (project supervisor: Connie C. Schmaljohn, Ph.D., postdoctoral research at the US Army Medical Research Institute for Infectious Diseases, Frederick, Maryland, USA), National Research Council, National Academy of Sciences, USA.


8. 2014-2018 - project leader "Innate immunity to hantaviruses", Croatian Sciences foundation

9. 2018-2022 - Workpackages Leader and Coordinator for the University Hospital for Infectious Diseases "Dr. Fran Mihaljević "on the project" Center for Excellence for Viral Immunology and Vaccines"

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. 2014-2018 - project leader "Innate immunity to hantaviruses", Croatian Sciences foundation

2. 2018-2022 - Workpackages Leader and Coordinator for the University Hospital for Infectious Diseases "Dr. Fran Mihaljević "on the project" Center for Excellence for Viral Immunology and Vaccines"

3. 2016-2018 – National coordinator and leader, FP7 project part for the University Hospital for Infectious Diseases “Dr. Fran Mihaljević”: Multi-centre EuRopean study of MAjor Infectious Disease Syndromes (MERMAIDS) Arboviral compatible febrile illness, EC Framework 7 Project called “Platform foR European Preparedness Against (Re)emerging Epidemics” (“PREPARE”), University of Oxford, UK.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 6
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Darko Marković, PhD, DVM

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Fidelta Ltd. for research and development

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Laboratory animals in biomedical research

BIOGRAPHY

D. Marković holds a veterinary medicine degree, master/spec. in veterinary medicine (animal health protection) and Ph.D. in biomedicine and health/toxicology (Doctoral thesis: An experimental model of potential transplacental genotoxicity of drugs, University of Zagreb). He obtained several certificates in various fields including Toxicology, Pharmacology/Toxicology, Animal Handling and Techniques, GLP. He joined PLIVA in 1993 and held several positions in R&D (one year in USA - project PLIVA/Parke/Davis) including Head of Toxicology WU (PLIVA) and Director of Laboratory Animal Science (GlaxoSmithKline). During this time an Ethics Committee was established and local Animal Facility was AAALAC I OLAW accredited. Fidelta Ltd. (Galapagos) - In 2010 he was appointed to his current position (Toxicology & Laboratory Animal Science, Director) with an overall responsibility for Toxicology, as well as the Animal Facility (OLAW accredited) and all Laboratory Animal Science work/issues. His portfolio encompasses conduct of all in vivo research activities and compliance with national and international regulatory agencies and standards. During his career he has worked on projects which have delivered seven development candidates. He has over twenty-five years’ experience in the Pharmaceutical industry, has over 20 scientific publications and has presented at several international conferences. As a Lecturer is teaching at the University (field Toxicology and Laboratory Animal Science).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2009

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2. Snježana Čužić, Martina Bosnar, Miroslava Dominis Kramarić, Željko Ferenčić, Darko Marković, Ines Glojnarić and Vesna Eraković Haber (2012): ”Claudin-3 and Clara Cell 10 kDa Protein as Early Signals of Cigarette Smoke-Induced Epithelial Injury along Alveolar Ducts”, Toxicologic Pathology, 40:1169-1187


• Dobranic T., Markovic D., Ferencic Z and Dobranic Vesna (2001): Influence of oral cadmium chloride on spermatogenesis and pathohistological changes in rabbit testes. Toxicology 164 (1-3), 73


• Markovic D., N. Vranesic, Lina Bacar Huskic (1996): The influence of the different nutritional values of the pellet feed for the breeding and growth of the laboratory mouse, First Croatian Veterinary Congress with international participation, Cavtat, Croatia, Proceedings.

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

• Glenn Dale, Anatol Luther, Joanne Teague, Darko Markovic, Francesca Bernardini, Daniel Obrecht (2018): Outer membrane protein targeting antibiotics (OMPTAs): in vivo characterization of a novel class of compounds with respect to pharmacokinetics, efficacy and renal toxicity, 28th ECCMID, Madrid, Spain


• Darko Marković (2016): Laboratory Animals in the pharmaceutical industry and biomedical research, 16. simpozij Istraživanja na modelima laboratorijskih životinja, Rijeka, Croatia, Proceedings.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Helena Markulin, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, Methodology and Functioning of Scientific Work 1

BIOGRAPHY
Helena Markulin was born in Šibenik. She received MD degree from the University of Zagreb School of Medicine. She also received MA degree from Faculty of Humanities and Social Sciences, University of Zagreb. At the Faculty of Humanities and Social Sciences, University of Zagreb, she completed postgraduate study and received PhD degree. In 2015 she was elected to the scientific title of Research associate. She works as librarian in the Central Medical Library University of Zagreb School of Medicine. Since 2002 she has participated in the curriculum of University of Zagreb School of Medicine (Principles of Research in Medicine, an obligatory course for 5th year students at Zagreb University School of Medicine; Searching for Best Evidence, an elective course for the 3rd year students at Zagreb University School of Medicine; How to Write a Graduate Thesis, an elective course for the 5th year students at Zagreb University School of Medicine). She has published scientific articles in national and international scientific journals. The articles are indexed and cited in international bibliographic databases. She has presented lectures and workshops at national and international conferences. She has participated in the program and organizational committees of numerous conferences.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Prijenos znanstveno utemeljenih medicinskih dokaza u kliničku praksu (Transfer of evidence from research to practice), 2007-2011; collaborator.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. prof. Krešimir Martić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department for Plastic, Reconstructive and Aesthetic surgery, University Hospital „Dubrava“ Zagreb; Medical School, University of Zagreb; Chair - Surgery

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Hand Surgery, Microvascular tissue transfer

BIOGRAPHY

Education and Training

1995.-2001. Graduated at Medical School University of Zagreb

2002.-2005. Postgraduate study, Biomedicine and Health Sciences, Medical School, University of Zagreb

27.03. 2003. State licence exam

2003.-2008. Specialisation in General Surgery, Department of Surgery, University Hospital “Dubrava” Zagreb

2010.-2012. Subspecialisation in Plastic, Reconstructive and Aesthetic surgery; Department of Plastic, Reconstructive and Aesthetic surgery, University Hospital „Dubrava“ Zagreb

1.10.2018. Head of Department of Plastic, Reconstructive and Aesthetic surgery, University Hospital „Dubrava“ Zagreb

Work experience

2.01. 2002. Research fellow, Medical School, University of Zagreb

1.11. 2003. Assistant at Surgery Chair, Medical School, University of Zagreb

1.11. 2008. Assistant at Surgery Chair, Medical School, University of Zagreb and Department of Plastic, Reconstructive and Aesthetic Surgery, University Hospital “Dubrava”

17.11. 2011. Senior-assistant at Surgery Chair, Medical School, University of Zagreb and Department of Plastic, Reconstructive and Aesthetic Surgery, University Hospital “Dubrava”

1.04.2014. Department of Plastic, Reconstructive and Aesthetic Surgery, University Hospital “Dubrava”

26.07.2017. Assist. Prof. at Surgery Chair, Medical School, University of Zagreb; Department of Plastic, Reconstructive and Aesthetic Surgery, University Hospital “Dubrava”

Scientific experience

03.10. 2011. Postgraduate doctoral degree (PhD), Medical School, University of Zagreb: „Tumor and breast volume ratio as a predictive factor for axillary lymph node metastases in T1c ductal invasive breast cancer“

2.04. 2014. 2014. Scientific grade: Research associate; field Biomedicine and Health; Clinical medicine

Investigator in project of Croatian science foundation: “Sonoelastography and magnetic resonance imaging in diagnostics and treatment of breast cancer”

Investigator in finished projects: “National model of clinical Database in maxillofacial oncology”

“The role of Microsurgery in perifer nerve injuries” and “The role of sentinel node biopsy in treatment of Melanoma and Breast cancer”
Memberships

Croatian Medical Association; Treasurer and member of Board of Croatian Society of Plastic, Reconstructive and Aesthetic Surgery - CSPRAS
European Society of Plastic, Reconstructive and Aesthetic Surgery - ESPRAS
Croatian Society of Surgery; Member of Board of Croatian Medical Sport Society

Participated in organization of numerous International Congress, Symposiums and Courses as organizing committee member, chairman and speaker.

Publications

Published over 20 scientific papers; 6 papers in journals cited by Current Contents
Published chapters in 3 books
Numerous lectures on international symposiums, congresses and courses

Personal information: Married, father of four children

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 27.06. 2017. -
Assist. Prof. at Surgery Chair, Medical School, University of Zagreb

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

Co-leader at International 1st category practical course: Surgical materials, skin grafts and local flaps. University Hospital Dubrava, Zagreb.

Associate lecturer at International 1st category practical course: Basics of microsurgery. University Hospital Dubrava, Zagreb

Arthrex Hand, Foot and Ankle Cadaver Course, ArthroLab, Munich, Germany, November 20th 2015.

Medical education in hand surgery: Hand Surgery Unit, Department of Orthopedic Surgery, Copenhagen University Hospital Gentofte, Kopenhagen, Danska, 1.- 12.06. 2015.

International 1st category course: Hand Surgery course, 23-24th May 2014. Slavonski Brod, Croatia


Basic traumatic hand surgery – Instructional human cadaver dissection course. 5-6th November, 2010. Ljubljana, Slovenia.

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

Investigator in project of Croatian science foundation: “Sonoelastography and magnetic resonance imaging in diagnostics and treatment of breast cancer”

Investigator in finished projects: “National model of clinical Database in maxillofacial oncology”; “The role of Microsurgery in perifer nerve injuries” and “The role of sentinel node biopsy in treatment of Melanoma and Breast cancer”

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Snježana Martinović, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Smart Medico Ltd.

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Bone morphogenetic proteins in regeneration of bone and cartilage, Doctoral postgraduate study in the field of Biomedicine and public health

BIOGRAPHY

Snježana Martinović, PhD
Županova 5, 10000 Zagreb, Croatia
Phone/Fax: +385.1.2446.534
Mobile: +385.98.317.212
e-mail: snjezana.martinovic@smart-medico.hr

EDUCATION:

2001 University of Zagreb Medical School, Biomedical Sciences and Genetics (Philosophy Doctor degree); Awarded for the best PhD thesis
1993 University of Zagreb Faculty of Natural Sciences and Mathematics, Biomedical Sciences (Master of Science Degree)
1988 University of Zagreb Faculty of Natural Sciences and Mathematics, Molecular Biology (Bachelor of Science Degree)

PROFESSIONAL WORK EXPERIENCE:

2018 - present Senior Clinical Research Site Manager contracted for European Society of Anaesthesiology AIBSL (ESA)
2018 - present Partner in H2020 project funded by European Commission, participating in design and development of clinical trial protocol; support in regulatory activities and responsible for monitoring of the clinical trials within OsteoProSpine project https://osteoprospine.eu/
2016 - present Senior Clinical Research Site Manager contracted for European Clinical Research Infrastructure Network (ECRIN-ERIC) on H2020 project
2015 - 2018 Clinical Project Lead contracted for Sanofi-Aventis Croatia d.o.o.
2015 - present Senior Clinical Research Site Manager contracted for Pharm-Olam Croatia d.o.o.
2014 - 2016 Senior Clinical Research Site Manager contracted for GlaxoSmithKline Croatia d.o.o.
2014 - 2015 Senior Clinical Research Site Manager contracted for Sanofi-Aventis Croatia d.o.o.
2013 - present Co-founder of Clinical Trial Initiative, non-profit and non-political organization for promotion of good clinical practice principles and support of clinical trials conduct in Republic of Croatia
2012 - 2017 Partner in FP7 project funded by European Commission, participating in design and development of clinical trial protocol and responsible for organization, initiation, managing and monitoring of the clinical trials within Osteogrow project http://osteogrow.eu/
2010 – 2012 Clinical Operations Lead contracted for Pfizer Croatia d.o.o.
  - in oversight of 10 clinical trials (24 sites) phase II-IV in different therapeutic areas monitored by outsourced CRO. One site audit with no observations
  - Global Study Management Interface and Site Management Interface
  - Investigators’ relationship management
  - Regulatory/Ethics/Health Authority submission responsibilities
  - Performing Protocol Specific Quality Review Visits
  - Maintaining Inspection Readiness, Protocol Compliance and Audit Responsiveness
• Study organization, management and on-site coordination oversight of three sites for surgical clinical trial with over 70 subjects enrolled
• Organized and participated in 7 local Investigator Meetings

2007 – 2010 Senior Clinical Research Site Manager contracted for Pfizer Croatia d.o.o. - monitored over 13 phase II-IV trials in all major therapeutic areas.

2005 - present Business Manager Clinical Research for Smart Medico responsible for running clinical research operations (in house and outsourced – Bosnia and Herzegovina) http://www.smart-medico.hr

2005 – 2007 Clinical Research Site Manager contracted for Pfizer Croatia d.o.o. – monitored 8 phase III-IV trials in different therapeutic areas.

2004 - 2007 Study Coordinator in Phase II clinical trial of Closed Tibial Fractures healing at Zagreb Trauma Hospital

2003 – 2004 Study Coordinator in Phase II clinical trial of Autologous Chondrocytes Implantation at Zagreb Medical School

2001 – 2003 Study staff in Phase III Clinical trial on Postmenopausal Osteoporosis, Centre for Osteoporosis, Croatian Calcified Tissue Society, Zagreb

OTHER WORK EXPERIENCE:
2008– present: Lecturer at Croatian National GCP course organized by University of Zagreb Medical School, University Hospital Centre Zagreb and Society for Clinical Pharmacology and Therapy within the Croatian Medical Association

2002–2004 Lecturer on Undergraduate course on “Medical and Molecular Biology” University of Zagreb Medical School, Biology Dept

1998–2004 Lecturer on Postgraduate course on “Bone Morphogenetic Proteins” at University of Zagreb School of Dentistry and University of Rijeka Medical School

1995–2004 Lecturer on undergraduate courses on “Bone Metabolism”, “Molecular Biology of the Bone” and “In vitro techniques” at University of Zagreb Medical School, Anatomy Dept

1991–1994 Research Scientist, Laboratory for mineralized tissues, Anatomy Dept Zagreb Medical School

1989–1991 Research Associate, Tissue Culture Laboratory, Centre for Biomedical Research Zagreb

1988–1989 Assistant, Microbiology Dept Centre for Biomedical Research Zagreb

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2005. Senior research associate; Biomedicine and Healthcare

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Many clinical trials conduct (monitoring and oversight) over 14 years of experience; listed in the table above.

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS
N/A

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Many different clinical programmes for investigational medicinal products in different therapeutic areas, sponsored by different biopharmaceutical companies in last 14 years in roles of monitor and project manager.
1. "OSTEOGROW - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration" 2012 – 2017 (European Commission, FP7 HEALTH program, Grant Agreement No. 279239)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. "OSTEOGROW - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration" 2012 – 2017 (European Commission, FP7 HEALTH program, Grant Agreement No. 279239)

ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: dr.sc. Ivica Matak, research associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research methods in vivo and in vitro

BIOGRAPHY

dr.sc. Ivica Matak, dipl.ing.biol.

Department of Pharmacology, School of Medicine University of Zagreb, Šalata 11 (ivica.matak@mef.hr)

EDUCATION: dipl. ing. molecular biology (2008; Faculty of Science, Zagreb), PhD (2015; School of Medicine, Zagreb).


ASSOCIATE ON PROJECTS: 1x HRZZ, 1x MZOŠ, 2x DAAD, 6x University of Zagreb.

SUPERVISOR: 1x diploma thesis. awards of supervised students: 1x rector’s award.

SCIENTIFIC PRODUCTIVITY: 14 research articles, >20 congress abstracts, 306 heterocitation (WoS), h-index 9.

AWARDS: National science award for 2014 (for PhD students); 4 travel grants for international conferences and schools; Best poster award finalist at the World Congress of Basic and Clinical Pharmacology in Capetown, South Africa 2014; abstract chosen for oral presentation at Toxins 2019 in Copenhagen, Denmark.

SCIENTIFIC INTEREST: neuroscience, neuropharmacology, experimental Alzheimer’s disease.

TEACHING ACTIVITIES: integrated study; Pharmacology course/studies in medicine in Croatian and English; Doctoral study Biomedicine and health: course - In vitro and in vivo research methods.

MEMBERSHIPS: member of Croatian Pharmacological society.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

1) Project of support for young investigators by European Social Fund (project leader) HR.3.2.01-0178 "Pretkliničko istraživanje poremećaja pokreta pomoću klostridijskih neurotoksina": 2015-2016

2. HRZZ research project (associate) 2015 – 2017 „Clostridial neurotoxins and Brain (BrainTox)”

3) Projects of the University of Zagreb (associate) 2013 – 2018

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

1) Project of support for young investigators by European Social Fund (project leader) HR.3.2.01-0178 "Pretkliničko istraživanje poremećaja pokreta pomoću klostridijskih neurotoksina": 2015-2016

2. HRZZ research project (associate) 2015 – 2017 „Clostridial neurotoxins and Brain (BrainTox)”

3) Projects of the University of Zagreb (associate) 2013 – 2018

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ratko Matijević

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Medicine, Merkur University Hospital

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Evidence Based Medicine

BIOGRAPHY

Undergraduate education. Medical School, University of Zagreb 1984.-1989.

Postgraduate education, Medical School, University of Zagreb


Medical speciality training, "Royal College of Obstetricians and Gynaecologists, UK 1993.-1998.

Qualifications:

MD 1989.

MSc 1992.

MRCOG 1996.


PhD 2001.

Subspeciality training - fetal maternal medicine 2008.

FRCOG 2013.

Employed Professor of obstetrics and gynaecology Medical school, University of Zagreb, Merkur teaching hospital Zajčeva 19, 10 000 Zagreb 2014.-

During my undergraduate period in Croatia, I was Editor in Chief of Journal "Medicinar" (YU ISSN 0025-7966) for more than two years. Also, during my appointment as Research fellow I was supervising mastership and Ph.D. projects and organizing examinations. I was actively involved in organizing and running several teaching courses in clinical ultrasound under the auspices of the World Health Organization. In UK during my clinical attachments, I was responsible for arranging junior doctors rota, as well as actively involved in the New Curriculum at Manchester University, School of Medicine. After return to Croatia in 2000 I was elected as a member of the Quality control working party of the Ministry of health, Republic of Croatia. I was directly responsible for the quality control being a Chairman of the hospital accreditation committee.


Member of several different organizing Committees including World Congress of Perinatal Medicine, Zagreb 2005.

Since 2010 initially I was acting CMO of Sveti Duh Hospital in Zagreb, Croatia, during transition period. At that time I was responsible for full management of the clinical institution ie. acute clinical hospital, including medical and financial sectors. After that period, since Oct 2010, I was appointed as deputy CMO
and CMO in the same hospital. I have full financial and clinical responsibility in hospital management including clinical governance, risk management, assessment of medical technologies. Managerial skills though clinical audit as well as management of clinical protocols and financial cost effective assessment programs on local (hospital) and national level. Responsibility for key performance indicators on local and national level.

Clinical experience

During my elective period my main field of interest was diagnostic and therapeutic ultrasound in obstetrics and gynecology. The post was undertaken in the University Department of Obstetrics and Gynecology which is a WHO Collaborative Centre for Diagnostic Ultrasound and referral tertiary centre for fetal medicine in Croatia.

During my training I had an education of clinical obstetrics and gynecology in "Sveti Duh" Hospital, Zagreb, Croatia, Mill Road Maternity Hospital (SHO) Liverpool, UK, Womens Hospital Liverpool, UK, Leighton Hospital, Crewe, UK and Arrowe Park Hospital, Wirral, UK.

After MRCOG exam and continuation of my training in Womens Hospital, Liverpool, UK and St. Mary’s Hospital, Manchester, UK I am capable of performing all diagnostic and therapeutic procedures in obstetrics and gynecology. My special field of interest and expertise is fetal – maternal medicine.

Research experience

Several research projects in clinical obstetrics and gynecology mostly in Fetal-maternal medicine and screening for ovarian cancer. Research fellow at Ministry of science, education and sport Republic of Croatia project 3-01-201 “Screening for early stages of ovarian cancer by transvaginal colour Doppler ultrasound”. In UK three research projects: principal investigator “Blood flow in spiral arteries in pregnancy”, Manchester University. Investigators at “ATAC - Armidex, Tamoxifen alone or in Combination Protocol” Number 1033IL/0029 developed jointly between Zeneca Pharmaceuticals and the Cancer Research Campaign (CRC) and investigator at "Double blind randomised study of the efficacy and tolerance of the sequential combination of 17beta estradiol 2 mg and TRIMEGESTONE 0.25 mg or 0.5 g in comparison with the sequential combination of estradiol valerate 2 mg and norgestrel 0.5 mg during one year in postmenopausal woman” (Number RU 27987 t/3003). Since 2002, principal investigator for Ministry of science, education and sport Republic of Croatia with grant project “Diagnosis and treatment of preterm labor”, No 0129111. Since 2004, investigator at international project “Twin birth study” under auspice of MIRU, Toronto, Canada. From 2006 to date I am project leader and principal investigator on “Screening for preterm labor” project under auspice of Croatian Ministry of science, education and sport, project no 109-000000-0387.

Teaching experience

As a research fellow I was granted a status equivalent to an honorary assistant at University Department of Obstetrics and Gynecology and the WHO Collaborative Centre for Diagnostic Ultrasound. My duties included lecturing to Croatian and English-speaking mastership candidates, supervising their mastership and Ph.D. projects and organizing examinations. I was actively involved in organizing and running several teaching courses in clinical ultrasound under the auspices of the World Health Organization.

During my appointments in the UK, I taught fourth year medical students from the Universities of Liverpool and Manchester. This was continued during my appointment as Clinical Lecturer. I was directly responsible for the teaching medical students from the University of Manchester, as well as involved in organizing examinations. This involved problem-based learning, tutorials and clinic teaching. I was actively involved in the developing and establishing the New Curriculum in the year 1997.
After my return to Croatia, I was actively involved in teaching as a honorary lecturer in the University department of obstetric and gynecology. I was teaching undergraduate students (4th and 5th year of the Medical school) as well as postgraduate candidates at postgraduate course “Ultrasound in clinical medicine”. Our institute is running the Basic ultrasound course in obstetrics and gynecology (under auspices of the Medical school, University of Zagreb and Croatian medical association) where I am one of the teachers. As well as that, I am one of the organizers of “European school of perinatal medicine” which until now had 4 successful courses. At postgraduate study I am lecturing at the “Evidence based medicine” University of Zagreb, Croatia. At postgraduate study “Leadership and management of health systems” I am running the topics “Clinical governance” and “Evidence based medicine”.

Presently as assistant professor I am responsible for all undergraduate and postgraduate teaching program at University Department of obstetrics and gynecology at Sveti Duh hospital

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

listed in published work

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Matijevic R, Erjavec K. Resposibilities of pregnant women for on going pregnancy – medical aspects. Medicine, Law and Society 2016;9:121-130


Matijevic R, Erjavec K. Knowledge and attitudes among pregnant women and maternity staff abour umbilical cord banking. Transfusion medicine 2016;26:462-466
Filipec M, Matijevic R. Effectiveness of exercise compared to wearing support belt in order to stabilise the sacroiliac joints and reduce the symptoms of sacroiliac dysfunction in pregnancy. Liječnički Vjesnik 2017;139:277-280


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

listed in CV

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

listed in CV

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Sanja Mazić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of Molecular Biology in Medicine

BIOGRAPHY

Sanja Mazić was born in 1972 in Zadar. She graduated in 1997 at the University of Zagreb, School of Medicine. In 2005, she defended her Master’s thesis and obtained the title Master of Science in University of Zagreb, Medical school, Postgraduate course Medical sciences. In 2011, she defended her doctoral thesis at the University of Zagreb, Faculty of Natural Sciences and obtained her PhD title. In 2015, she was promoted to Research Associate at The University of Zagreb School of Medicine. In period from 2001 to 2005, she completed Residency in Transfusion medicine in University Hospital Centre Zagreb (UHC Zagreb) and became a Transfusion medicine specialist. Since 2005, she has been employed as a Medical doctor - Transfusion medicine specialist at the Clinical Department of Transfusion Medicine and Transplantation Biology, UHC Zagreb. In 2007, she received a scholarship of Government of Republic of France which supported a professional visit to EFS (Établissements Français du Sang-Aquitaine-Limousin) Établissement Français du Sang-Aquitaine-Limousin; Bordeaux, France. Since 2011, she is working as a Cord Blood Bank Medical Director within the Department. In 2013, she completed an International On-line Course in Tissue Banking, Cell Therapy and Regenerative Medicine at University of Barcelona (Extension Certificates).

She continued her education in the field of stem cell and cord blood collection and transplantation during several professional visits to stem cell and cord blood facilities (2015. St. Anna Kinderespitall, Vienna-bone marrow transplant unit (extracorporeal photopheresis; program director Dr. Volker Witt); 2012. New York Blood Center, Cord Blood Bank, USA (medical director Dr. Pablo Rubinstein); 2008. European Homograft Bank (EHB)-Cardiovascular Tissue Bank; Military Hospital; Dr. Ramadan Jashari, Brussels, Belgium; 2007. Universitätsklinikum Düsseldorf, Germany; Institute for Transplantation Diagnostics and Cell Therapeutics / Cord Blood Bank).

She participates in one course at Specialist postgraduate study in Transfusion Medicine at The University of Zagreb School of Medicine.

She was the author or co-author in 14 published papers and 67 conference reports. She was a member of a local scientific committee at 4th International cGVHD Symposium and EBMT TCWP Educational Meeting. 9-10. November 2018, Zagreb. She is a member of the Croatian Society for Transfusion Medicine and Croatian cooperative group for hematologic diseases (KROHEM). Her scientific interests are related to the fields of cellular therapy and cell and tissue banking.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2015., Research Associate, The University of Zagreb School of Medicine

LIST OF PUBLISHED WORK WHICH QUALIFY HIM HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


3. Igor Aurer · Damir Nemet · Zdravko Mitrović · Dino Dujmović · Sandra Bašić-Kinda · Ivo Radman · Dubravka Sertić · Fedor Šantek · Marko Krkalik · Snejžana Dotlić · Sanja Mazić · Boris Labar. High-dose ifosfamide and mitoxantrone (HDIM) in patients with relapsed or refractory Hodgkin’s lymphoma. Apr 2016 Annals of Hematology


5. Ines Bojanic, Sanja Mazic, Ljubica Rajic, Gordana Jakovljevic, Jasmina Stepan, Branka Golubic Cepulic. Large volume leukapheresis is efficient and safe even in small children up to 15 kg body weight. Published online: 13/01/2016 Doi 10.2450/2016.0151-1


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


5. Ines Bojanic, Sanja Mazic, Ljubica Rajic, Gordana Jakovljevic, Jasminka Stepan, Branka Golubic, Cepulic. Large volume leukapheresis is efficient and safe even in small children up to 15 kg body weight. Published online: 13/01/2016 Doi 10.2450/2016.0151-1

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Scientific projects

"Molecular markers in solid tumors-predictive and prognostic value” (project leader: Prof.dr. Stjepko Pleština, MD.; # 108-1080058-0047)

"The role of PI3K/Akt i MAPKin regulation of chemoresistant leukaemic cells” (project leader: prof. D. Batinić, MD#: 214-1081347-0355)

European projects

• IPA2009 Twinning project Croatia, Spain and Italy „ Strengthening of the institutional capacity for blood, tissues and cells”; Ministry of health, Croatia

• ARTHIQS Joint Action project: Assisted Reproductive Technologies and Haematopoietic stem cells Improvements for Quality and Safety throughout Europe; Ministry of health, Croatia

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED
Prof. dr. sc. Vesna Medved was born on 2 May 1953 in Zagreb where she attended elementary school, high school and enrolled at the Faculty of Medicine of the University of Zagreb where she graduated in 1978. After working in primary health care, psychiatry specialization started in 1984 at Vrapče Psychiatric Hospital and a specialist examination passed in 1987. Since then she has been employed at KBC Rebro Clinic for Psychiatry.

During her specialization, she completed her postgraduate studies from Clinical Pharmacology at the Faculty of Medicine, University of Zagreb. In 1989 she defended her master's thesis entitled "The Relationship of Productive and Unproductive Schizophrenic Symptoms with Hemodynamic and Cognitive Functions". Since 1990, she has also been teaching in cumulative employment at the Department of Psychiatry with Medical Psychology at the Faculty of Medicine of the University of Zagreb. In 1992 he was appointed as a scientific assistant.

She defended her doctoral thesis in 1995 at the Faculty of Medicine titled "Topographic Differentiation between Schizophrenia and Depression with regard to Audience Evoked Potentials and Regional Cerebral Flow". Since 2004, she has a specialty in biology psychiatry. Since 2007, she is head of the Institute for Anxiety and Stress-induced Disorders.

She has been professionally and scientifically trained abroad on several occasions. School year 1979/80. she spent her professional training in Boston, USA. During her stay, she passed the ECFMG (Educational Commission for Foreign Medical Graduates) exam, and thus gained the right to work as a doctor in the United States. The school year 1990/91 was attended by Massachusetts Mental Health Center at Harvard Medical Schoınl in Boston drawing up a doctoral dissertation and as an associate in a research project in the field of biological psychiatry. In 1997 she participated in the Salzburg Cornell Seminar in Salzburg on the subject of "Psychiatry ans Psychotherapy". In 1999, she graduated from the Algeteine Krankenhaus (AKH) Psychiatric Clinic in Vienna.

In 1997 she was appointed a position of assistant professor in the cumulative work of the Department of Psychiatry with Psychology, Psychiatry, and in 2002 as Associate Professor and in 2009 as a full professor. Participates in undergraduate teaching in Psychiatry, postgraduate courses in selected chapters from Psychiatry for Clinical Pharmacology, Neurology, Psychotherapy, Psychology for Students at the Faculty of Philosophy, University of Zagreb and undergraduate Psychiatry at the Higher Medical School in Zagreb. He is a lecturer in postgraduate studies at the Faculty of Medicine, University of Zagreb, at the PhD program in Biomedicine and Health, Family Medicine, Social Psychiatry, Psychotherapy and Liver Transplantation in Childhood. He is a mentor for undergraduate students at the Faculty of Medicine. From the academic year 2008/2009 she is the head of the elective subject "The Depression of Modern Society" at the Faculty of Medicine, University of Zagreb. Since 2008 he has been a member of the Commission for Academic Integrity, since 2009 member of the Ethics Committee, since 2010 member of the Working Group for Biomedical Research, and since 2014 has been appointed to the Commissioner for the Protection of Dignity of Workers at the Faculty of Medicine of the University in Zagreb. Since 2015, she is a member of the Postgraduate Education Council. Mentor has three defended doctoral dissertations and four doctoral
dissertations that passed the Public Debate. He is the head of the postgraduate course of the 1st category, which has been held three times so far.

The 2012 Ministry of Health nominated an application for a Specialist Psychiatric Training Program Leader. Since then, he has been the head of postgraduate specialist psychiatric studies held each year in the winter and summer semester.

She has collaborated in the projects of the Ministry of Science and Technology of the Republic of Croatia "Biological Indicators in Diagnosis and Treatment of Psychiatric Disorders (1990-1997) and" Anthropolological and Motor Characteristics at the Age of 19-23 Years "(1992-1995). She conducted a scientific project titled "Assessing frontal lobe dysfunction in negative schizophrenia and unipolar depression by reginal cerebral blood flow and evoked potentials" under the program Neurology of schizophrenia. She was the head of a scientific research project titled "Pathophysiology of Schizophrenia" under the auspices of the Ministry of Science and Technology of the Republic of Croatia. The review is an international multinational ERC Advanced Grant application "Population dynamics and stress affecting health and aging," one of the associates.

She has been the Secretary of the Croatian Psychiatric Association since 1994 until 2014. Since then she has participated in the organization of the Psychiatric Days Congress, which is reflected every year in Opatija and the National Psychiatric Congress held every four years. Since 2005 Member Komisij

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2009

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Quantitative EEG Indicators in Depressive and Schizophrenic Patients
Pharmacogenetic variability in psychiatric patients
Functional genomics and proteomics of risk factors of atherosclerosis
Sjögren’s syndrome - neurohumoral regulation of autoimmunity and atherogenesis
The role of inflammatory processes in the emergence of malignant tumors

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mario Medvedec, BSc(EE) MSc PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Analysis of Medical Images

BIOGRAPHY

1964 born in Zagreb
1971-1983 primary and secondary school in Zagreb
1984 – 1989 Faculty of Electrical Engineering University of Zagreb, graduated electrical engineer
since 1990 Clinical Biomedical Engineer at the Department for Nuclear Medicine and Radiation Protection, University Hospital Centre Zagreb and School of Medicine University of Zagreb
1995. Faculty of Electrical Engineering and Computing University of Zagreb, master’s thesis "Body Radioactivity Measuring System ", Master of Science in the area of Technical Sciences, Field Electrical Engineering
since 1995 researcher in national and international scientific projects
since 2002 lecturer / senior lecturer at Zagreb Health Polytechnics
since 2003 the lecturer and expert of the International Atomic Energy Agency (IAEA)
2006 School of Medicine University of Zagreb, Doctoral Dissertation "Dosimetry Study of Radioiodine Therapy for Thyroid Carcine", PhD in the area of Biomedicine and Health Sciences, Field Clinical Medical Sciences
2009 - 2015 elected member of the Clinical Engineering Division / International Federation for Medical and Biological Engineering (CED / IFMBE)
since 2012 research associate / senior research associate in the area of Biomedicine and Health sciences, field of Clinical Medical Sciences
since 2013 World Health Organization (WHO) expert and adjunct professor of the Medical Physics doctoral study at the Faculty of Sciences University of Zagreb
2015 – 2021 elected member of the Health Technology Assessment Division / International Federation for Medical and Biological Engineering (HTAD / IFMBE)

He participates in professional and scientific research in the field of biomedical engineering and medical physics, especially nuclear medicine and radiation protection, and undergraduate and postgraduate teaching at the various higher education institutions. He is the author of 40+ articles (10 CC) and 100+ abstracts (59 CC) in journals and proceedings cited 130+ times, and 6 chapters in books. He is a participant of numerous professional and scientific events and a member of ten professional societies.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Medvedec M, Dermol A, Sejdićović S, Šabulić I. Nuklearnar medicina i inženjeri medicinske radiologije u Hrvatskoj. Radiološki vjesnik 2005;XXXV(2):33-34. ISSN:0352-9835

Medvedec M. Protection against ionising radiation in national and international nuclear medicine environment / Zaštita od zračenja u domaćem i međunarodnom nuklernomedicinskom okružju. Acta Clin Croat 2007; 46(Suppl. 3):53-56.


Medvedec M. Oh dear medical physicist and biomedical engineer, why is it difficult to pioneer your specialist career? In: D.A. Jaffray (ed.), World Congress on Medical Physics and Biomedical Engineering June 7-12, 2015, Toronto, Canada, IFMBE (International Federation for Medical and Biological Engineering) Proceedings, 2015; Volume 51: 1639-42.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Medvedec M. Oh dear medical physicist and biomedical engineer, why is it difficult to pioneer your specialist career? In: D.A. Jaffray (ed.), World Congress on Medical Physics and Biomedical


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


2016-2018. International Federation for Medical and Biological Engineering - Health Technology Assessment Division. Biomedical Engineers in Health Technology Assessment. Principal investigator.

ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Vlatka Mejaski Bošnjak

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: retired, expert work at Outpatient Clinic Neuron at Croatian Institute for Brain Research

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Fetal and Neonatal Neurophysiology, Fetal Behavior

BIOGRAPHY

Vlatka Mejaski Bošnjak, MD, PhD, Professor of Child Neurology, Head of Department of Neuropediatrics, Children's Hospital Zagreb, University of Zagreb, Croatia pediatrician (1981), PhD (1989) Assistant Professor of Pediatrics (1992), Pediatric Neurologist (1996), Associate Professor of Pediatrics 2000, Professor of Child Neurology 2009.

Working at Division of Neurology, Department of Pediatric, Children's Hospital Zagreb, Croatia (1980-Head of department od child neurology (2005)

Main field of interest: Perinatal brain damage, developmental neurology, early detection of developmental disabilities, cerebral palsy, neurorehabilitation, neuroimaging (cranial ultrasonography, MRI), neurogenetics, neurometabolic / neurodegenerative disorders.

Lines of Research: perinatal brain damage, Leukoencephalopathies

Leader of research projects on perinatal brain damage (Croatian Ministry of Science, Croatian Institute for Brain Research), Founder and president of Croatian Academy for Developmental Habilitation (1997), institution for education of interdisciplinary experts, doctors and therapist in the field of developmental habilitation. Expert for early detection of Autism spectrum disorder, nominated by Ministry of Health, Member of project initiated by UNICEF Croatia,


Organizer of many courses in neurohabilitation in collaboration with international institutions and experts in Croatia. President of 20th Annual Meetng of European Academy of Childhood Disability (EACD) in Zagreb, Croatia 2008.

Extensive teaching experience in developmental neurology and intracranial ultrasonography.


Member of General Management Committee of the EACD (2004), EACD Eastern Europe Task force, Senior Member of American Institute for Ultrasound in Medicine

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2009 Full Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

KATE HIMMELMANN | VERONKA HORBER | JAVIER DE LA CRUZ | KAREN HORRIDGE4 | VLATKA MEJASKI-BOSNJAK | KATALIN HOLLODY | INGEBORG KREAGEOH-MANN | ON BEHALF OF THE SCPE
WORKING GROUP† MRI classification system (MRICS) for children with cerebral palsy: development, reliability, and recommendations Developmental Medicine& Child Neurology 2016, DOI: 10.1111/dmcn.13166

Sanja Delin, Katarina Bošnjak Nađ, Sunčica Martinec, Dunja Čokolić Petrović, assist. Andrea Šimic Klarić, Vlatka Mejaški Bošnjak: Value of cranial ultrasonography in comparison with magnetic resonance imaging in children with cerebral palsy: population-based study” Acta Clinica Croatica vol 57/2018

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Krakar G, Daković I, Delin S, Bošnjak VM. Evolutive leukoencephalopathy in congenital cytomegalovirus infection. J Child Neurol 2015, 30; 93-95


KATE HIMMELMANN | VERONKA HORBER | JAVIER DE LA CRUZ3 | KAREN HORRIDGE4 | VLATKA MEJASKI-BOŠNJAK | KATALIN HOLLODY | INGEBORG KRÅGELOH-MANN | ON BEHALF OF THE SCPE WORKING GROUP† MRI classification system (MRICS) for children with cerebral palsy: development, reliability, and recommendations Developmental Medicine& Child Neurology 2016, DOI: 10.1111/dmcn.13166

Sanja Delin, Katarina Bošnjak Nađ, Sunčica Martinec, Dunja Čokolić Petrović, assist. Andrea Šimic Klarić, Vlatka Mejaški Bošnjak: Value of cranial ultrasonography in comparison with magnetic resonance imaging in children with cerebral palsy: population-based study” Acta Clinica Croatica vol 57/2018

Megalencephalic leukoencephalopathy with subcortical cysts: characterization of disease variants

Eline M.C. Hamilton, Pinar Tekturk, Fia Cialdella, Diane F. van Rappard, Nicole I. Wolf, Cengiz Yalcinkaya, Ümrán Çetinçelik, Ahmad Rajaee, Ariana Kariminejad, Justyna Paprocka, Zuhal Yapici, Vlatka Mejaški Bošnjak, and Marjo S. van der KnaapNEUROLOGY/2017/849240


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Leader of research projects on perinatal brain damage (Croatian Ministry of Science, Croatian Institute for Brain Research),

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 5

Anrea Plovina: Correlation of abnormal postural reactions according to Vojta and cranial ultrasound, Doktorska disertacija, University of Zagreb, Faculty of Science, Department of Biology 2011.

Andrea Šimić Klarić: The realation of postnatal head growth dinamics and neurodevelopmentalimpairment in preschool children born with intrauterine growth retardation, Dissertation, University of Zagreb, School of Medicine 2012.

Ana Katušić: The effect of 40Hz sound wave vibration ob spasticity and motor function in children with cerebral cerebral palsy. Disertation, University of Zagreb, School of Medicine 2012.

Alimović Sonja: Development of functional vision in children with perinatal brain damage, Disertation University of Zagreb, School of Medicine 2013.

Goran Krakar: Brain Ultrasonographic markers in the diagnsosis of congenital cytomegalovirus infection, Disertation

University of Zagreb, School of Medicine 2014.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ana Merkler, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular and biochemical approach to genetic disorders; Methods of molecular biology in medicine

BIOGRAPHY

Ana Merkler was born on January 23, 1985 in Zagreb. She finished elementary and high school in Zagreb. In 2010 she graduated from the Faculty of Food Technology and Biotechnology, University of Zagreb. In December 2010, she started working at the University Hospital Centre Zagreb at the position of analyst at the Division of Molecular Diagnosis of the Department of Laboratory Diagnostics. In October 2011 she was at the Institute for Infectious and Pediatric Immunology, the Center for Medical Science and Health, University of Debrecen, Hungary, on the professional training in the field of molecular diagnostics of primary immunodeficiency by gene sequencing method. In 2017 she received her PhD at the Department of Biology of the Faculty of Science, University of Zagreb. So far, as co-author she published four papers in national and international journals, three of them in journals cited in Current Contents. She is the author of 12 scientific abstracts and co-author of one book and manual. She participates in teaching as a collaborator in the Department of Medical Chemistry, Biochemistry and Clinical Chemistry, School of Medicine, University of Zagreb. Since 2016 she is an assessor in the EMQN (The European Molecular Quality Network) for Myotonic dystrophy scheme. She is a member of the Society for Clinical Genetics of Croatia.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1) Merkler A. Sekvenciranje gena MEN1, RET, GJB1 i MPZ (Sequencing of MEN1, RET, GJB1 and MPZ genes). In: Metode molekularne biologije u medicini (Methods of molecular biology in medicine). Bulić-Jakuš F, Sertić J (ed.) Zagreb: University of Zagreb, School of Medicine; 2016. p.165-169.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1) 2016. Interaction of Hp, CYP2C9, CYP2C19 and PPARy in the development of cerebrovascular ischemic stroke, supported by the University of Zagreb (leader, J. Sertić).

2) 2017. - 2018. The role of genetic and biochemical markers in the development of monogenic diabetes, supported by the University of Zagreb (leader, J. Sertić).

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1) 2016. Interaction of Hp, CYP2C9, CYP2C19 and PPARy in the development of cerebrovascular ischemic stroke, supported by the University of Zagreb (leader, J. Sertić).

2) 2017. - 2018. The role of genetic and biochemical markers in the development of monogenic diabetes, supported by the University of Zagreb (leader, J. Sertić).
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Jasna Mesarić, professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Libertas International University

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Scientific approach to transfusion treatment

BIOGRAPHY

Jasna Mesarić graduated from the University of Zagreb Medical School in 1978. She completed her Postgraduate study in clinical pediatrics (1986) and Postgraduate study in hematology (1988) at the Faculty of Medicine, University of Zagreb. Postgraduate Health Management System (LMHS) at the Medical School of the University of Zagreb in collaboration with the School of Public Health "Andrija Štampar" and London Business School completed in 2002.

The academic degrees of the Masters of Medical Science (1988) and the Doctor of Medical Sciences (1997) she acquired at the same faculty. The specialist of transfusion medicine became in 1978. She worked as a primary health care physician from 1979 to 1984. She was Head of the Center, later Department of Clinical Transfusion of the Clinical Institute for Laboratory Diagnostics at Clinical Hospital Center Zagreb (1988-1996); Head of Hospital Transfusion Unit at the Special Hospital for Cardiology and Cardiosurgery Magdalene in Krapinsko Toplice (1997 - 2000); She worked in Croatian Institute for Transfusion Medicine and the Hospital Transfusion Unit of the Clinical Hospital Merkur (2000-2011). She worked in Agency for Quality and Accreditation in Health Care and Social Welfare, as Assistant Director for Quality and Education (from November 2011 to June 2013 and December 2014 - 2018), as Managing Director from June 2013 to December 2014. Since January 1, 2019 she has been working at the Libertas International University and since January 15, 2019 she has been working as a Dean of the Faculty of Health Sciences. At the Faculty of Medicine, University of Zagreb, she became Scientific Assistant (1990), Scientific Research Associate (2005), Assistant Professor (2007), Senior Research Associate (2010), Assistant Professor (2012), Scientific Advisor (2017) and Professor in the field of Biomedicine and Health Sciences: Clinical medical sciences-Internal Medicine (2018).

Since 1989 she has been actively participating in undergraduate and postgraduate studies at the Faculty of Medicine, University of Zagreb; from 2009 to 2011 at the Medical School in Split; at the University of Applied Health Sciences and from 2015 at the Libertas International University. At the Faculty of Medicine of the University of Zagreb, she has been the lead of elective courses "Blood as a cure" since 2011, and since 2018 has been a co-leader of the same and has been the lead of the PhD study "Scientific Approach to Transfusion Treatment" since 2008. She actively participated in the continuous training medical courses.

Since 1991 she was an associate or lead of several scientific projects at the Ministry of Science of the Republic of Croatia. From 1989 to 1990 she was in study visit at Fred Hutchinson cancer Research Center, Seattle, USA (education in the field of transplantation medicine, stem cell collection and cryobiology; from 1991 to 1992 she was in study visit at Pouget Sound Blood Center, Seattle, USA (education and research in the field of transfusion medicine), professional training in Plasmapheresis center, Orebro, Sweden (1996), training qualification in clinical transfusion medicine in Groningen, Netherlands (2001).

She has actively participated in the work of national and international professional societies. She is a member of the Croatian Medical Association, president of the Croatian Society for Health Care Quality Improvement - Croatian Medical Association. She was Executive Board member and president of the
European Society for Quality in Healthcare (ESQH), member of the EU Patient Safety and Quality of Care Expert Group.

She is an examiner at the Ministry of health commission for the exam of transfusion medicine specialist. She has participated at numerous domestic and international conferences as a invited lecturer. Her scientific and research field is clinical transfusion medicine and the quality of health care and patient safety has been confirmed by publishing professional articles in books and papers published in domestic and international journals. She is the reviewer of the Croatian Medical Journal. She has actively participated in the scientific projects of the Ministry of Science of the Republic of Croatia, the World Health Organization, the European Commission and the World Bank. She is the court expert for transfusion medicine at the Velika Gorica County Court.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: May 15, 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Master’s thesis: Influence of leukocyte on platelet metabolism during storage of platelet concentrate, Faculty of Medicine, University of Zagreb, 1988

Doctoral thesis: Meaning of reinfusion of peripheral blood in bone marrow transplantation, Faculty of Medicine, University of Zagreb, 1996

Manuscripts published in journals indexed in CC.


Manuscripts published in journals indexed in SCI- Expanded


Manuscripts published in journals indexed in other international index publications (Index Medicus, Experta medica, Biological ili Chemical Abstracts)


4. Skodlar J, Grgićević D. Transfuzijsko liječenje u ratnim uvjetima, Liječ Vjesn 1990;113:242-244


18. Čuljak M, J Mesarić. Polimorfizam trombocitnog glikoproteina Ib kao genski čimbenik rizika od koronarne bolesti. Liječ Vjesn 2008;130:146-150


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2. WP2 leader, EU JA “European Union Network for Patient Safety and Quality of Care” (PaSQ) project (2012 - 2016)

3. Leader of scientific group in Croatia, SAFE-EUR-OOH project “Patient safety culture in European Out-of-hours services” (2015 - 2016)


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

1. World Bank Project. Improving Quality and efficiency of Health Services Program for Results
2. WP2 leader, EU JA European Union Network for Patient Safety and Quality of Care (PaSQ) project (2012 - 2016)
3. Leader of scientific group in Croatia, SAFE-EUR-OOH project Patient safety culture in European Out-of-hours services (2015 - 2016)

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 1**
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Alma Mihaljević-Peleš, MD, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research Methods of Psychological Functions and Behavior, Clinical neuropharmacology; Clinical psychopharmacology

BIOGRAPHY
Alma Mihaljevic-Peles

University of Zagreb, School of Medicine, Croatia
University Hospital Centre Zagreb
Head of the Department for Psychiatry

Alma Mihaljevic-Peles was born in Karlovac, Croatia, in 1959. She received the Medical doctor degree and the Ph.D. degree from the University of Zagreb, School of Medicine, Croatia, in 1984 and 1996, respectively. Since 1984 she was a Research Fellow at the University of Zagreb and received from 1985-1986 Postgraduate training in clinical pharmacology. In 1989, she finished master thesis on the topic: The possibilities of finding early and late extrapyramidal side effects in treatment with neuroleptics. From 1987 to 1990 she passed training in psychiatry and became psychiatrist. She finished doctoral dissertation in 1996 on the topic: The importance of lowered arylsulphatase A activity in the diagnostics and development of psychiatric disorders. Presently, she is a Fulltime Professor at the Chair of Psychiatry and Medical Psychology on the School of Medicine, University of Zagreb and the Head of the Department for Psychiatry, University Hospital Centre Zagreb

She is mainly interested in the field of clinical psychopharmacology and biological psychiatry. She has published over 200 scientific and professional papers and has a rich experience in participating in numerous clinical studies with different drugs. She is certificated rater for different psychiatric rating scales, principal investigator in the several scientific projects and co-lecturer in various postgraduate courses.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 12.06.2018.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. "Biological Indicators in Diagnosis and Treatment of Mental Disorders" - subinvestigator

2. "Biological Indicators in Mental Disorders" subinvestigator

3. "Extended Treatment of Schizophrenia" subinvestigator, an international project

4. "Pharmacogenetic Variability in Psychiatric Patients" principal investigator

5. Prognostic Therapeutic Response Factors in Schizophrenia Leader principal investigator

6. Recover E subinvestigator, an international project
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. Strengthening the capacity of psychosocial care providers for war veterans and their family members  
   co-investigator contributor
2. Recover E subinvestigator
3. Therapeutic response indicators in schizophrenia subinvestigator
4. Influence of Religion on the Outcome of Depression Treatment: Clinical and Biological Indicators  
   subinvestigator

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

3
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Miletić Vladimir, MD, PhD, neurologist

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Neurology, University Hospital Center Zagreb, Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: 1. Clinical Neuropharmacology

2. Movement Disorders

BIOGRAPHY

I was born on 6th of August 1979 in Knin. I ended up elementary school and general gymnasium in Split. I enrolled in the Faculty of Medicine of the University of Zagreb in 1998 and graduated in 2004. I have started residency in neurology in 2007 in the Department of Neurology of University Hospital Center Zagreb which I finished in 2011. Since then I have been working as a neurologist in the Referral Center of the Ministry of Health of the Republic of Croatia for movement disorders and heredodegenerative diseases at the Department of Neurology of University Hospital Center Zagreb and School of Medicine of the University of Zagreb. I started postgraduate study in Biomedicine and Health at the Faculty of Medicine of the University of Zagreb in 2011. In February 2018 I defended my PhD thesis titled "The effect of botulinum toxins of type-A on nonmotor symptoms in patients with focal dystonia". During the residency, as well as after finishing the specialization I participated in conducting student exercises for students of IV year of the School of Medicine University of Zagreb during the course of Neurology, and also in postgraduate studies and doctoral studies. From March to April 2014 I was trained in the Department of Motor Neuroscience and Movement Disorders, UCL Institute of Neurology, Queen Square, London, UK under the mentorship of prof.dr.sc. Kailash Bhatia where I had the opportunity and honor to undergo education on the diagnosis and treatment of various movement disorders, including all forms of contemporary therapy such as botulinum toxin administration, treatment of advanced Parkinson's disease with Duodopa and APO pumps, and in particular the application of functional neurosurgery in movement disorders. I am the author of several articles and congress releases in indexed journals, of which 15 are indexed in Current Contents. I’m married and father of three children.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: February 2019

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Publications in journal indexed in Current Contents


Publications in other journals


Congress releases in journals indexed in Current Contents


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Radovi u drugim časopisima


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

a) Scientific projects


b) Professional projects

1. Motion study 27918; Motion study extension 27938

2. Cosmos Study (COMedication Study assessing Mono- and cOMBination therapy with levodopa-carbidopa inteStinal gel)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

a) Scientific projects


b) Professional projects

1. Motion study 27918; Motion study extension 27938

2. Cosmos Study (COMedication Study assessing Mono- and cOMBination therapy with levodopa-carbidopa inteStinal gel)
Davor Miličić was born in Zagreb on July 2, 1962, where he finished elementary and classical grammar school. He enrolled in a medical study in Zagreb, passing the entrance exam. He graduated from the Faculty of Medicine in Zagreb in 1986. He was an excellent student with a grade-point average of 4.9. During his study he was a demonstrator at the Department of Physiology and Immunology and in the Department of Histology and Embryology. He was awarded the Rector's Award in 1985. After completing his internship he passed a professional exam in 1987. He then attended the Postgraduate Study of Allergology and Clinical Immunology at the Zagreb Medical School during 1987/1988, passing all the exams with excellent success. He made a doctoral dissertation at the Department of Physiology at the Faculty of Medicine, and defended him in 1990, gaining a degree in medical science at the age of 27. He graduated from the Department of Internal Medicine at the Faculty of Medicine in 1988, and in 1989 began his specialization in internal medicine at the KBC Internal Medicine Clinic as a research fellow at the Faculty of Medicine. During the last year of his specialization, he worked as a specialist in KBC Zagreb Heart and Blood Diseases Clinic. The Specialist Examination from Internal Medicine has been awarded with great success and has since been uninterruptedly employed at the KBC Zagreb Heart and Blood Center Clinic. He undertook the subspecialist examination of cardiology in 2000, with great success. Diploma The European Cardiologist was awarded by the European Cardiac Society in 2001, and the title "Fellow" of the European Cardiac Society in 2002. In the co-authorship of senior assistant in cumulative work in the Department of Internal Medicine of the Faculty of Medicine in Zagreb was elected in 1994, and in 1997 he was elected as a professor in the same Department of Science and Education. An Associate Professor in Cumulative Work Became in 2000 and Full Professor in 2004. He became a full professor with tenure in 2009. Head of Department for coronary intensive care, arrhythmia and electrostimulation of the heart became the year 2000, and the head of the Clinic for Heart and Blood Vascular Diseases at the Faculty of Medicine and Clinical Center Zagreb became the head of the heart transplants program at KBC in Zagreb. collaborated on a scientific project, and has been trained, especially in echocardiography. Fundamental training from transplantation cardiology took place at the Cardiologic Center Sveučil hospitals in Udine, Italy, and later for shorter stays in centers of excellence in Vienna, Padua and London. President of the Croatian Cardiac Society in the fourth consecutive term has so far been president of four national cardiology congresses and several elite international scientific conferences. He has published more than 60 publications in CC journals and cited 220 times. He was a researcher in major international studies cited more than 2,400 times. His remarkable and original scientific contribution has been made in the research of resistance to antithrombotic drugs in acute myocardial infarction, advanced heart failure, myocardial depiction and cardiovascular prevention. He introduced several new teaching contents and founded new activities at the Faculty. He is a visiting professor at two foreign universities and at the Vienna School of Clinical Research and invited lecturer at numerous conferences around the world. He was mentor of 10 dissertations. He is a member of the Fellow of the European and American Cardiology Society and holds important functions in international scientific bodies. He has received international and domestic awards for his scientific and professional work, including the International League of Humanists 2008 Prize, the Croatian Academy of Arts and Sciences Award 2010 and the University of Zagreb Medical
School Award for outstanding scientific productivity in 2011. President of the National Bioethics Committee for Medicine, member of the Central Ethics Committee, Member of the Assembly of the Croatian Chamber of Physicians and the General Board of the Croatian Medical Association and National Coordinator for Cardiology Specialization. He is also the founder of the Croatian Cardiology Foundation. With his work so far he has made a lasting and recognizable, great personal contribution to Croatian medicine and medical sciences.

**DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:** 2009

**LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

**SU RELEVANTNI ZA PODRUČJE DOKTORSKOG PROGRAMA**


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Resistance to Antithrombotic Drugs in Ischemic Heart and Brain Disease (108-1081875-1993)
Heart Failure in Croatia (108-1081875-1927)
Doppler Myocardial Early Detection and Cardiovascular Disease Tracking (108-1081875-1991)
Perceptions and Prevention of Risk Factors for Atherosclerosis in Croatia (108-1080134-0121)
Intelligent Processing and Image Analysis (036-0362214-1989)
Investigation of platelet reactivity in various cardiovascular diseases (2014-09-8403, SPARELIFE-CVD)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Resistance to Antithrombotic Drugs in Ischemic Heart and Brain Disease (108-1081875-1993)
Heart Failure in Croatia (108-1081875-1927)
Doppler Myocardial Early Detection and Cardiovascular Disease Tracking (108-1081875-1991)
Perceptions and Prevention of Risk Factors for Atherosclerosis in Croatia (108-1080134-0121)
Intelligent Processing and Image Analysis (036-0362214-1989)
Investigation of platelet reactivity in various cardiovascular diseases (2014-09-8403, SPARELIFE-CVD)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
8
Assistant professor Milan Milošević, MD, PhD was born in Zadar, Croatia at January 11th 1980. He enrolled School of Medicine University of Zagreb, Croatia from 1998 to 2004 and graduated with honors among top 10% of students. In June 2004 he started PhD study Biomedicine and Health at the same University. In period from 2005 till 2012 he was working as a research fellow/assistant on Croatian Ministry of Science, Education and Sports on the project Health at work and Healthy Environment at the Department for Environmental and Occupational Medicine. From 2006 till 2010 he was enrolling medical specialization in Occupational and Sports Medicine. In March of 2010 he defended PhD thesis entitled "Development and evaluation of the measuring tool for perceived workplace stressors among hospital healthcare workers". In November 2011 he became Occupational and Sports Medicine Specialist. In March 2012 he got scientific associate title, and from July 2016 became assistant professor on Department for Environmental and Occupational Health at Andrija Stampar School of Public Health, University of Zagreb, School of Medicine.


Milan Milosevic is an International Committee for Occupational Health (ICOH) Croatian national representative, member of Croatian Society for Occupational Medicine, Croatian Society for Sports Medicine and the director of the postgraduate specialist study Occupational and Sports Medicine. From May 2016 he is director of Croatian World Health Organization Collaborative Centre for Occupational Health.

His particular interests are: occupational and sports medicine, biostatistics, risk assessment, assessment and evaluation of the organizations safety culture, workplace stress, vulnerable population and medical education. In last four years actively involved as an expert in risk assessment process at School of Medicine University of Zagreb with emphasis on chemical, biological and physical workplace hazards.

Milan Milosevic is an author of more than 100 scientific papers of which more than 60 are published in journals indexed in Current Contents. He is a reviewer in several scientific and professional journals. He is married, father of three children and in free time he actively participates in mountain climbing, cycling, running, playing guitar and singing in man choir.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: July 2015.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

1. *Improving quality and safety in the hospital: The link between organisational culture, burnout, and quality of care (ORCAB)*. European commision (FP7).


3. Sveučilišna potpora: *Procjena psihofizioloških i statodinamičkih napora u radniku koji rade u smjenama* (2017.)

4. Project HRZZ: Epigenetički biomarkeri u krvi i ejakulatu bolesnika sa seminom testisa (akronim epiSem).

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**


2. WHO project: Early detection of cardiovascular risks through non-invasive arterial stiffness measuring in different occupational settings and among vulnerable working groups; 2017) (2017.)

3. HRZZ project: Novi biomarkeri kronične bolesti presatka protiv primatelja (2017.-)

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: dr. sc. Nikica Mirošević Skvrce, research associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Agency for medicinal products and medical devices, Ksaverska cesta 4, 10 000 Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pharmacogenomics

BIOGRAPHY

Born: in 1979. Education: 2004 BPharm- Faculty of Pharmacy and Biochemistry, University of Zagreb, 2014 MSc - European Programme in Pharmacovigilance and Pharmacoepidemiology, 2014 PhD - Doctoral Study in Biomedicine and Health Sciences , School of Medicine, University of Zagreb

Work experience: from 2005 till today , Croatian Agency for Medicinal Products and Medicinal Devices (HALMED).

Current position: Chair of Medicinal Products’ Safety Committee and Main Coordinator of new safety issues.

Won several awards at international congresses.

Croatian delegate at Pharmacovigilance Risk assesment committee (PRAC) and Pharmacogenomics working party of the European Medicines Agency (EMA), member of ENCePP (European Network of Centre for Pharmacoepidemiology and Pharmacovigilance).


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

SCOPE
ADVANCED

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

SCOPE
ADVANCED
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Zrinjka Mišak, MD, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Children’s Hospital Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical Nutrition

BIOGRAPHY

Education:
1973-1981 Primary school “Braća Ribar”, Zagreb
1981-1985 Secondary school Pedagoški obrazovni centar, Matematičko-informatički obrazovni centar (MIOC) Zagreb
1985-1990 Medical School University of Zagreb
1992-1993 General Hospital “Sveti Duh” Zagreb, Medical School University of Zagreb, Postgraduate study “Ultrasound in clinical medicine - hepatology and gastroenterology”
1997-1998 Children’s Hospital Zagreb Medical School University of Zagreb, Postgraduate study “Protection of mother and child”

Work experience
2007 - today: pediatric gastroenterologist, Referral Center for Pediatric Gastroenterology and Nutrition, Children’s Hospital Zagreb
2002-2007: pediatrician, Referral Center for Pediatric Gastroenterology and Nutrition, Children’s Hospital Zagreb
1997-2002: pediatric specialization, Children’s Hospital Zagreb
1996-1997: anesthesiology, UHC Zagreb, Anesthesiology and Intensive Care Clinic
1993-1996: medical coordinator in Medical Center for Human Rights, Medical School University of Zagreb
1992-1993: volunteer at Gastroenterology and hepatology department, General Hospital "Sveti Duh", Zagreb

Teaching activity
Associate in teaching at Medical School and Faculty of Food Technology and Biotechnology University of Zagreb

Dissertation
MSc: "Epidemiology of celiac disease in one county in Croatia", 1999 Medical School University of Zagreb
PhD: “Diagnostic algorithm for celiac disease younger of 2 years of age”, 2009 Medical School University of Zagreb

Publication
PubMed 38
Scopus 48
citations (Scopus) 457
h-index 11
DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2014 scientific associate

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

“Influences of the dietary history in the prevention of Coeliac Disease: possibilities of induction of tolerance for gluten in genetically predisposed children”, contract No FOOD-CT-2006-36383, multicenter international project, EU - FP6

„MEDICEL – Mediterranean Network for the management of food induced diseases“.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

„ProCeDe - Prospective Celiac Disease Diagnostic Evaluation“

„EuroPaedHP – European Paediatric Helicobacter pylori Database“
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Berivoj Mišković, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital "Sveti Duh", Department of Gynecology and Obstetrics, School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Fetal and Neonatal Neurophysiology, Fetal Behavior

BIOGRAPHY

I was born in 1957. in Livno where I finished elementary school and high school. I graduated at the Medical Faculty of the University of Rijeka in 1980. and specialized in gynecology and obstetrics at the Clinic for Women's Diseases and Births in Zagreb in the period 1985-1988. Since 1991, I work at the Clinic for Gynecology and Obstetrics "Sveti Duh" in Zagreb. With classical gynecology and obstetrics, the narrower area of interest is prenatal diagnosis. In clinical practice I have introduced or modified several diagnostic and therapeutic invasive ultrasound procedures. I have been educating invasive ultrasound procedures specialist from Croatia and abroad. I am a mentor to the specialists of our Clinic and visiting specialists.

I completed a postgraduate study in perinatology in 1989. and the scientific thesis "The frequency and risk factors of thromboembolic diseases in pregnancy, childbirth and postpartum" was defended in 1992. at the Faculty of Medicine in Zagreb. Doctoral dissertation "Forms of fetal behavior in normal and high-risk pregnancies tested using four-dimensional ultrasound" I defended 2008. at the Faculty of Medicine in Zagreb. I am the head of the Clinic for Gynecology and Obstetrics KB "Sv.Duh" in Zagreb. I am a professor in a cumulative employment relationship at the Department of Gynecology and Obstetrics of the Medical Faculty in Zagreb. I was granted the status of a specialty specialty in Fetal Medicine and Occupation and the name primarius.

I participate in undergraduate studies at the Faculty of Medicine in Zagreb, and postgraduate courses of continuous improvement of the first category "Ultrasound in gynecology and obstetrics" and postgraduate study "Ultrasound in gynecology and obstetrics" and postgraduate study in Family medicine - gynecology and obstetrics. I participated as a lecturer and practitioner in post-graduate studies "Fellowship of Advanced Ultrasound and Obstetrics and Gynecology" in Qatar. I was the organizer of the traditional expert meetings "Days of the Clinic of gynecology and obstetrics" of the General Hospital Sv. Ghost.

I actively participate in the scientific research projects of the MSES: "Male and female sex system: development, normal histophysiology and infertility" and "Early indicators of the development of allergic diseases in children".

As the author and co-author I published 72 papers and congressional press releases, 12 chapters in domestic and 7 in internacional textbooks. I am a regular participant in international and Croatian gynecological congresses, seminars or professional meetings. On several occasions I stayed abroad for professional training.

I am the Head of the Croatian Branch of the International Ian Donald Ultrasound School and a member of several internacional and Croatian professional societies: ISUOG - International Society for ultrasound in obstetrics and gynecology; WAPM - World Association for Perinatal Medicine, Croatian Society for Perinatal Medicine, Croatian Society for Ultrasound in Gynecology and Perinatology and Croatian Gynecological and Oncology Society.
There have never been any lawsuits or appeals to my Ministry or Chamber of Commerce. I was a Volunteer of the 1992 Homeland War. I'm married, father of two grown children.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 3.7. 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Poglavlja objavljena u inozemnim knjigama


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

"C / U ratio and motor parameters in the prevention of perinatal brain damage (MB: 108-1081870-1940"

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

"Male and female sexual system: development, normal histophysiology and infertility"

"Early indicators of the development of allergic diseases in children".

"Regenerative medicine and reproductive research into new platforms and resources"

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: associate professor Dinko Mitrečić, MD PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of Molecular Biology in Medicine; How to become a neuron?; Gene targeting in mammals; Morphological research methods in biomedical sciences; Proteomics in biomedical research

BIOGRAPHY

Date and place of birth: 29.01.1976, Zagreb, Croatia, European Union

Current working address:
Laboratory for Stem Cells, Croatian Institute for Brain Research, School of Medicine, University of Zagreb
Salata 12, HR-10000 Zagreb, Croatia
Telephone number: +385-1-4566792
E-mail: dinko.mitrecic@mef.hr
LinkedIn: https://www.linkedin.com/in/mitrecic

Current positions:
School of Medicine, University of Zagreb
- Professor of Histology and Embryology
- Head of the Laboratory for Stem Cells
- Head of the Department for Electron Microscopy
  - Secretary General of the Croatian Brain Council http://hvim.hr/?lang=en
  
European positions
  - Vice president of the European COST project “Biomaterials and advanced techniques for regenerative cardiology and neurology” https://bioneca.eu/
  - Member of the Management and Executive Boards of the EU Joint Program for Neurodegenerative Diseases http://www.neurodegenerationresearch.eu/
  - Member of the General Board of the European Brain Council, http://www.braincouncil.eu/
  - Member of the Board of the Foundation Adris
  - Member of the Program Committee “Health” of the European Commission
  - Advisor (for the period 2015-2018) and the chief-advisor (2018-) of the governmental assessment and the evaluation process of the health and research system of the Republic of Lithuania

Academic degrees:
2018 Visiting professor at the Lee Kong School of Medicine, Nanyang University of Singapore
2017 Professor at the School of Medicine and the School of Dentistry
2010 Assistant Professor at School of Medicine, University of Zagreb
2006 Ph.D. (field Biomedicine, University of Zagreb, Zagreb, Croatia)
2000 M.D. (School of Medicine, University of Zagreb, Zagreb, Croatia)

Specific expertise:
- Introduction of new academic courses, international harmonization and inter-university collaboration
- Project management and evaluation in the biomedical field
innovative therapies for brain diseases
- application of neural and mesenchymal stem cells
- therapeutic use of stem cells in neurodegenerative diseases and stroke
- embryology, mouse and human genetics
- development and malformations of the central nervous system
- morphogenesis of the caudal part of the embryo


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


12. Kosi, N; Alić, I; Kolačević, M; Vrsaljko, N; Jovanović Milošević, N; Sobol, M; Philimonenko, A; Hozák, P; Gajović, S; Pochet, R; Mitrečić, D. Nop2 is expressed during proliferation of neural stem cells and in adult mouse and human brain. Brain Res. 2015 Feb 9;1597:65-76.


15. Winters, L; Winters, T; Gorup, D; Mitrečić, D; Križ, J; Gajović, S. Expression analysis of genes involved in TLR2-related signaling pathway, inflammation and apoptosis after ischemic brain injury. Neuroscience. 2013 Feb 10;238C:87-96.


22. Andjus, P; Bataveljić, D; Vanhoutte, G; Mitrečić, D; Pizzolante, F; Djogo, N; Gankam Kengne, F; Gangitano, C; Michetti, F; Van der Linden, A; Pochet, R; Bačić, G. In vivo morphological changes in animal models of amyotrophic lateral sclerosis and Alzheimer’s-like disease: MRI approach. Anat Record. 2009; 292(12):1882-92.

23. Nicaise, C; Mitrečić, D; Demetter, P; De Decker, B; Authelet, M; Boom, A; Pochet, R. Impaired blood-brain and blood-spinal cord barriers in mutant SOD1-linked ALS rat, Brain Research 2009; 1301:152-62.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


12. Kosi, N; Alić, I; Kolačević, M; Vrsaljko, N; Jovanov Milošević, N; Sobol, M; Philimonenko, A; Hozák, P; Gajović, S; Pochet, R; Mitrečić, D. Nop2 is expressed during proliferation of neural stem cells and in adult mouse and human brain. Brain Res. 2015 Feb 9;1597:65-76.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

• 2017-2021 Application of human oral stem cells for stroke (principal investigator, CSF)

• 2016-2018 Innovative tracing of stem cells in animal models of amyotrophic lateral sclerosis (principal investigator, Bilateral project with the Republic of Serbia)

• 2015-2017 Development of innovative technology for treatment of brain diseases based on regenerative medicine (principal investigator, EU-ESF)

• 2015-2018 Coordination Action in support of the sustainability and globalisation of the Joint Programming Initiative on Neurodegenerative Diseases (partner, EU-H2020)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

• 2017-2021 Application of human oral stem cells for stroke (principal investigator, CSF)

• 2016-2018 Innovative tracing of stem cells in animal models of amyotrophic lateral sclerosis (principal investigator, Bilateral project with the Republic of Serbia)

• 2015-2017 Development of innovative technology for treatment of brain diseases based on regenerative medicine (principal investigator, EU-ESF)

• 2015-2018 Coordination Action in support of the sustainability and globalisation of the Joint Programming Initiative on Neurodegenerative Diseases (partner, EU-H2020)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ivica Mokos, MD, PhD, senior scientist

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Kidney Transplantation

BIOGRAPHY


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

MZOŠ 219-0000000-3362 "Genetic polymorphism and function of kidney transplant"

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

MZOŠ 219-0000000-3362 "Genetic polymorphism and function of kidney transplant"

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Vesna Musani, Assist. Prof., Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods in molecular oncology

BIOGRAPHY

I was born in 1974 in Zagreb, Croatia, where I finished my primary and secondary education. I obtained my Diploma in molecular biology in 1999 at the Faculty of Science, University of Zagreb, Croatia. In 2008 I obtained my PhD degree, also at the Faculty of Science, University of Zagreb, Croatia. I am employed at the Ruđer Bošković Institute since 2001, first as an assistant/PhD student (2001-2008), then as a senior assistant/postdoc (2008-2009), and now as a research associate (2009-now) in the Laboratory for Hereditary Cancer. On several occasions I participated in training both domestic and international. Of the later, I would like to emphasize the three visits to Bordeaux, France, from 2004 to 2007, in duration from 3 to 6 weeks, during the Cogito bilateral project. I participate in several postgraduate courses. From April 2018 I’m an assistant professor at the J. J. Strossmayer University of Osijek. I am one of cofounders of Croatian Association for Cancer Research (HDIR), member of the Presidency, and liquidator. I’m also member of the European Association for Cancer Research, Croatian Society of Biochemistry and Molecular Biology, Croatian and European Societies of Human Genetics, and Croatian Society of Rare Diseases. Main topic of my research is cancer genetics, with special emphasis on hereditary breast and ovarian cancer, but also the study of Hedgehog-GLI signaling pathway in different types of tumors.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 24/04/2018
Assistant Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE Participated and Which Are Relevant for the Field of the Doctoral Programme

• from 01/2019 – associate on the Croatian Science Foundation research project “GLIcode - Differential regulation of the GLI code in BRAF/NRAS driven tumors” / PI Maja Sabol

• 2019 – associate on research project “Mutational signatures of hereditary breast and ovarian cancer genes” (the Terry Fox Foundation donation) / PI Petar Ozretić

• 2018 – associate on research project “Genetic profile of hereditary breast cancer” (The Terry Fox Foundation donation) / PI Petar Ozretić
• from 05/2017 – associate on the Croatian Science Foundation research project “MIrNaGLI - Novel molecular mechanisms for new therapeutic approaches: Interactions of microRNAs and Hedgehog-GLI signaling pathway in serous ovarian carcinoma”; [HRZZ IP-2016-06-1268] / PI Sonja Levanat

• from 2017 – associate on research project “Interaction of HH-GLI signaling pathway and androgen receptor in prostate cancer” (dm-Drogerie Markt donation) / PI Sonja Levanat

• 2017/18 – associate on research project “Discovery of new biomarkers for melanoma development” (the City of Zagreb donation) / PI Sonja Levanat

• 2016/17 – associate on research project “Mechanisms of interaction of steroids and signaling pathways in the development of ovarian cancer: Looking for early indicators of ovarian cancer” (the City of Zagreb donation) / PI Sonja Levanat

• 2016/17 – associate on research project “Apoptotic pathways and role of BIRC5 (survivin) in breast cancer development” (the Terry Fox Foundation donation) / PI Sonja Levanat

• 2015/16 – principal investigator on Hazu Foundation research project “The role of BIRC5 gene polymorphisms in differential expression of survivin isoforms in breast cancer” / PI Sonja Levanat

• 2015 – associate on research project “microRNA profiling of ovarian cancer” (the Terry Fox Foundation donation) / PI Sonja Levanat


• 2012 – associate on research project “Role of survivin as a predictive and prognostic marker in breast cancer” (the Terry Fox Foundation donation) / PI Sonja Levanat

• 2009 – associate on research project “Genetic testing of inherited predisposition to breast and ovarian cancer” (the Terry Fox Foundation donation) / PI Sonja Levanat

• 2007 – 2009 – associate on bilateral joint project Croatian Hungarian intergovernmental s&t cooperation programme (Oncological Institute, Budapest) “Hereditary breast cancer predisposition in Croatia and Hungary” / PI Sonja Levanat


• 2003 – 2005 – associate on collaborative joint project Cogito between France and Croatia “Molecular genetics of Gorlin syndrome” / PI Sonja Levanat

• 2002 – 2005 – associate on MZOŠ research project “SHH/PTCH/SMO signaling pathway in tumors and malformations” / PI Sonja Levanat


• 2001 – associate on MZOŠ research project “Molecular genetics of Gorlin syndrome” / PI Sonja Levanat

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

• from 01/2019 – associate on the Croatian Science Foundation research project “GLIcode - Differential regulation of the GLI code in BRAF/NRAS driven tumors” / PI Maja Sabol

• 2019 – associate on research project “Mutational signatures of hereditary breast and ovarian cancer genes” (the Terry Fox Foundation donation) / PI Petar Ozretić
• 2018 – associate on research project “Genetic profile of hereditary breast cancer” (The Terry Fox Foundation donation) / PI Petar Ozretić

• from 05/2017 – associate on the Croatian Science Foundation research project “MIRnaGLI - Novel molecular mechanisms for new therapeutic approaches: Interactions of microRNAs and Hedgehog-GLI signaling pathway in serous ovarian carcinoma”; [HRZZ IP-2016-06-1268] / PI Sonja Levanat

• from 2017 – associate on research project “Interaction of HH-GLI signaling pathway and androgen receptor in prostate cancer” (dm-Drogerie Markt donation) / PI Sonja Levanat

• 2017/18 – associate on research project “Discovery of new biomarkers for melanoma development” (the City of Zagreb donation) / PI Sonja Levanat

• 2016/17 – associate on research project “Mechanisms of interaction of steroids and signaling pathways in the development of ovarian cancer: Looking for early indicators of ovarian cancer” (the City of Zagreb donation) / PI Sonja Levanat

• 2016/17 – associate on research project “Apoptotic pathways and role of BIRC5 (survivin) in breast cancer development” (the Terry Fox Foundation donation) / PI Sonja Levanat

• 2015/16 – principal investigator on Hazu Foundation research project “The role of BIRC5 gene polymorphisms in differential expression of survivin isoforms in breast cancer”

• 2015 – associate on research project “microRNA profiling of ovarian cancer” (the Terry Fox Foundation donation) / PI Sonja Levanat

• 2015 – associate on research project “InnoMol - New molecular solutions in research and development for innovative drugs”, FP7-Regpot, PI Oliver Vugrek

ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Jadranka Mustajbegović

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Medicine (retired)

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Reproduction and workplace

BIOGRAPHY


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Improving quality and safety in the hospital: The link between organisational culture, burnout, and quality of care (ORCAB). European commision (FP7).
Health at work and health working environment. Ministarstvo znanosti, obrazovanja i športa Republike Hrvatske (broj projekta: 108-1080316-0300).

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

*Improving quality and safety in the hospital: The link between organisational culture, burnout, and quality of care (ORCAB). European commission (FP7).*

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 12**
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Andrea Mutvar, MD, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb, University hospital centre Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Analysis of medical images

BIOGRAPHY
DATE AND PLACE OF BIRTH: July 12th 1971., Rijeka, CROATIA

WORK EXPERIENCE:
2015 – Assistent at Nuclear Medicine Department and Radiation Protection Department, School of Medicine, Univeristiy of Zagreb
2006 – Nuclear medicine specialist in Nuclear Medicine and Radiation Protection Department, University Hospital Centre Zagreb. Special interest - nuclear medicine oncology.
1998 – 2002 Medical consultant in pharmaceutical company PLIVA

EDUCATION AND TRAINING:
2017 - defense of doctoral thesis The value of single photon emission tomography and computed tomography in detection of sentinel lymph node in breast cancer and melanoma patients
2008 - Postgraduate Doctoral Study «Biomedicine and Health Sciences » University of Zagreb, School of Medicine. Doctoral Thesis „The value of single photon emission tomography and computed tomography (SPECT/CT) in detection of sentinel lymph node in patients with breast cancer and malignant melanoma”
2014 - ESNM Advanced Learning Course on PET/CT in Oncology, Viena, Austria
2012 - Regional Training Course on Hybrid Imaging in Head and Neck Cancers, Brescia, Italy
2010 - First European Sentinella Users Forum (NKI Antoni van Leeuwenhoek, Amsterdam, The Netherlands)
2007 – Fellowship in Hammersmith Hospital, London, UK
2002 – 2006 - Nuclear medicine resident, University Hospital Zagreb
1997 – obligatory medical practice after graduating
1990 – 1996 – University of Zagreb, School of Medicine graduate

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2014

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2010 -2013 IAEA Research Project (international multicentric project „The Use of Sentinel Lymph Node Detection in Breast, Melanoma, Head & Neck and Pelvic Cancers“).

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2010 -2013 IAEA Research Project (international multicentric project „The Use of Sentinel Lymph Node Detection in Breast, Melanoma, Head & Neck and Pelvic Cancers“).
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Gordana Nedic Erjavec, PhD, research associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Rudjer Boskovic Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected animal models of psychiatric disorders

BIOGRAPHY

Gordana Nedic Erjavec, PhD, graduated in molecular biology in 2006 from University of Zagreb, Faculty of science. She works at Rudjer Boskovic Institute since June 1st 2007 in Laboratory for Molecular Neuropsychiatry. Since then she was an associate on 9 scientific projects, 3 of them Croatian, and 6 international. She gained her PhD in 2013 at PhD studies in molecular biosciences, Josip Juraj Strossmayer University, Osijek, Croatia and spent one year on a postdoctoral training in the Centre for metabolomics and bioanalyses at University San Pablo CEU, Madrid, Spain. In the end of 2017 she was promoted to research associate. Her scientific work contributed to the development of neuroscience, especially in the field of molecular background of neuropsychiatric diseases. Her current scientific achievements are presented through 42 scientific papers, 15 scientific book chapters and 68 scientific conference abstracts. On 14 out of 42 papers she is a first or equally contributing author. According to WoSCC her papers were cited for 520 times, while her h-index is 13.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: November 13th 2013, research associate

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018.-2021. „Early detection of Alzheimer’s disease with methylation status of candidate genes in liquid biopsies cfDNA“ (financiran od strane Slovenian Research Agency; voditelj doc. dr. sc. Alja Videtič Paska)

2017.-2022. „CRO_A-00033, Technology & Know-how Transfer in Metabolomics and Establishment of Latest Scientific Equipment in Zagreb” offset projekt (financiran od strane tvrtke Patria iz Finske u suradnji s Hrvatskim ministarstvom gospodarstva)

2015.-2019. „Genomski i glikanski biomarkeri PTSP-a“ (financirano od strane Hrvatske zaklade za znanost; voditelj: Nela Pivac)

2015.-2018. „Multidisciplinary Metrics for Soldier Resilience Prediction and Training“ (financiran od strane NATO Science for Peace and Security Programme; direktor Krešimir Ćosić (Hrvatska); ko-direktori: Omer Bonne (Izrael); Nela Pivac (Hrvatska) i Tanja Jovanovic (SAD)

2014.-2017. „The association between stress, genetic variants of the catechol-O-methyltransferase (COMT) and mu opioid receptor gene (OPRM1) polymorphisms and tobacco smoking in patients with schizophrenia.“ (kolaborativni projekt između University of Michigan, SAD, te Instituta Ruđer Bošković i Klinike za psihijatriju Vrapče, Hrvatska; voditelji Nela Pivac (Hrvatska) i Edward Domino (SAD)

2014.-2015. „The role of 5-HT6 receptors in Alzheimer’s disease“ (hrvatsko-slovenski bilateralni projekt financiran od strane MZOS-a; voditelj: Suzana Uzun (Hrvatska) i Zvezdan Pirtovsek (Slovenija))


2011.-2014. „Otkrivanje i praćenje bioloških biljega radi rane terapijske intervencije u Alzheimeroj bolesti“ (financirano od strane Hrvatske zaklade za znanost, voditelj: Goran Šimić)

2007.-2014. „Molekularna podloga i liječenje psihijatrijskih i stresom izazvanih poremećaja“ (izvor financiranja: Ministarstvo znanosti, obrazovanja i sporta; voditelj: Nela Pivac)

2009.-2010. Hrvatsko-slovenski bilateralni projekt „Genetic factors as markers of suicide“ (izvor financiranja: Ministarstvo znanosti, obrazovanja i sporta; voditelj: Nela Pivac (Hrvatska) i Petar Pregelj (Slovenija))
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018.-2021. „Early detection of Alzheimer’s disease with methylation status of candidate genes in liquid biopsies cfDNA“ (financiran od strane Slovenian Research Agency; voditelj doc. dr. sc. Alja Videtić Paska)

2017.-2022. „CRO_A-00033, Technology & Know-how Transfer in Metabolomics and Establishment of Latest Scientific Equipment in Zagreb“ offset projekt (financiran od strane tvrtke Patria iz Finske u suradnji s Hrvatskim ministarstvom gospodarstva)

2015.-2019. „Genomski i glikanski biomarkeri PTSP-a“ (financirano od strane Hrvatske zaklade za znanost; voditelj: Nela Pivac)

2015.-2018. „Multidisciplinary Metrics for Soldier Resilience Prediction and Training“ (financiran od strane NATO Science for Peace and Security Programme; direktor Krešimir Ćosić (Hrvatska); ko-direktori: Omer Bonne (Izrael); Nela Pivac (Hrvatska) i Tanja Jovanovic (SAD)

2014.-2017. „The association between stress, genetic variants of the catechol-O-methyltransferase (COMT) and mu opioid receptor gene (OPRM1) polymorphisms and tobacco smoking in patients with schizophrenia.“ (kolaborativni projekt između University of Michigan, SAD, te Instituta Ruđer Bošković i Klinike za psihijatriju Vrapče, Hrvatska; voditelj Nela Pivac (Hrvatska) i Edward Domino (SAD)

2014.-2015. „The role of 5-HT6 receptors in Alzheimer’s disease“ (hrvatsko-slovenski bilateralni projekt financiran od strane MZOS-a; voditelji Suzana Uzun (Hrvatska) i Zvezdan Pirtovsek (Slovenija))
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Matea Nikolac Perković, PhD, research associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected animal models of psychiatric disorders

BIOGRAPHY

Education: Faculty of Natural Sciences, University of Zagreb, Zagreb, title obtained: MSc (2008); PhD Studies in Molecular Biosciences, University of Osijek, Osijek, title obtained: PhD (2015); Postdoc at The Centre of Metabolomics and Bioanalysis (CEMBIO), Pharmacy Faculty (San Pablo CEU), Madrid, Spain (2018-2019); Guest researcher at the Institute for Experimental Medicine, Budapest, Hungary (short stays in the period from October to December 2017).

Employment: Research assistant (PhD student), Ruđer Bošković Institute, Zagreb, Croatia (2009-2015); Postdoctoral researcher, Ruđer Bošković Institute, Zagreb, Croatia (2015-2018); Postdoctoral researcher, The Centre of Metabolomics and Bioanalysis (CEMBIO), Pharmacy Faculty (San Pablo CEU), Madrid, Spain (2018-2019); Research associate, Ruđer Bošković Institute, Zagreb, Croatia (2018-today).


Most important awards: National science award of the Republic of Croatia - Annual award for junior researchers for 2013 in the field of biomedicine; The Annual award of the society of university teachers, scholars and other scientists - Zagreb for young scientists and artists for 2013; Annual award of the Ruđer Bošković Institute for the best article in 2014.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2015-2017 „Multidisciplinary metrics for soldier resilience pediction and training“, NATO Science for Peace and Security Programme: PIs: Kresimir Cosic and Omer Bonne; co-director Nela Pivac

2014-2015 „The role of 5-HT6 receptors in Alzheimer’s disease“ (funding source: Croatian Ministry of Science, Education and Sports; PIs: Suzana Uzun and Zvezdan Pirtovsek); Croatian-Slovenian bilateral project

2014-2016 „The association between stress, genetic variants of the catechol-O-methyltransferase (COMT) and mu opioid receptor gene (OPRM1) polymorphisms and tobacco smoking in patients with schizophrenia.“; collaborative project among University of Michigan – USA, Rudjer Boskovic Institute, Croatia and University Psychiatric Hospital Vrapce, Zagreb, Croatia (PIs: Nela Pivac and Edward F Domino)

2011-2014 „Detection and tracking of biological markers for early therapeutic intervention in sporadic Alzheimer’s disease“ project (funding source: Croatian Science Foundation; PI: Goran Simic)

2011-2015 „Structure-based drug design for diagnosis and treatment of neurological diseases: dissecting and modulating complex function in the monoaminergic systems of the brain“ project (funding source: European Cooperation in Science and Technology (COST), Action CM1103; PI: Rona Ramsay, member for Croatia: Nela Pivac

2009-2010 „Genetic factors as markers of suicide“ (funding source: Croatian Ministry of Science, Education and Sports; PIs: Nela Pivac and Petar Pregelj); Croatian-Slovenian bilateral project


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2015-2017 „Multidisciplinary metrics for soldier resilience pediction and training“, NATO Science for Peace and Security Programme: PIs: Kresimir Cosic and Omer Bonne; co-director Nela Pivac

2014-2015 „The role of 5-HT6 receptors in Alzheimer’s disease“ (funding source: Croatian Ministry of Science, Education and Sports; PIs: Suzana Uzun and Zvezdan Pirtovsek); Croatian-Slovenian bilateral project

2014-2016 „The association between stress, genetic variants of the catechol-O-methyltransferase (COMT) and mu opioid receptor gene (OPRM1) polymorphisms and tobacco smoking in patients with schizophrenia.“; collaborative project among University of Michigan – USA, Rudjer Boskovic Institute, Croatia and University Psychiatric Hospital Vrapce, Zagreb, Croatia (PIs: Nela Pivac and Edward F Domino)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: associate professor Tamara Nikuševa Martić

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Epigenetics; Methods of molecular biology in medicine

BIOGRAPHY

Date and place of birth: 11th 06th 1975 in Zagreb I'm married and the mother of two children. Education
From 1994 to 1999 . Faculty of Science, University of Zagreb
From 2003 to 2008 . Postgraduate studies in molecular and cellular biology at the Faculty of Science , University of Zagreb
2006 Master of Science , Faculty of Science, University of Zagreb.
2008 Ph.D. , thesis entitled " The role of gene AXIN-1 and ß - catenin in neuroepithelial brain tumors ", Faculty of Science, University of Zagreb
Training2003rd TEMPUS WORKSHOP Recent Advances in Biotechnology and Quality of Life , School of Medicine, University of Zagreb
2004 FEBS Lecture Course on Cellular Signaling
2008 “Skills in medicine teaching process” School of Medicine, University of Zagreb
2014. Cours: Laboratory animal science course (FELASA kat C ekvivalent), Zagreb,
2015 Cours: Academic teaching excellence, Britanska ambasada, Zagreb
work experience
2003 - 2008 - Assistant Research Fellow Department of Biology Faculty of Medicine , University of Zagreb
2008 -2011 . Senior Assistant - researcher
2011 - 2016 Assistant Professor , Department of Medical Biology
2016 -present Associate professor, Department of Medical Biology
Projects: Researcher at the HRZZ Research Projects
: " The role of the Wnt signaling pathway in epithelial and mesenchymal transition"
"Genotype-Phenotype correlationin Alport's syndrome and Thin Glomerular Basement Membrane Nephropathy"
Researcher on Financial support from UNIZG 2014: Wnt signalling in placenta and tumorigeneses
Researcher on Financial support from UNIZG 2015: The role of Hedgehog signalling pathway in the regulation of invasiveness of trophoblasts and tumors
Researcher on Centar of excellence for reproductive and regenerative medicine
Leader of Financial support from UNIZG 2018:Expression of Wnt signalling pathway components in diffuse gastric carcinoma
Teaching : Exercises and seminars from the " Medical Biology " for medical and dental students , including courses in English studies and postgraduate teaching in the course " Genetic basis of brain tumors " study neuroscience and " Mechanisms of genetic control. " study Biomedicine .
Participate at the postgraduate studies in the English language , " Methods of molecular biology in medicine . Leader of small elective course " Man and Environment" at first year of undergraduate studies.
Workshop leader at the Festival of Science. Mentor for student's thesis "Analysis of protein E-cadherin in meningioma" awarded with Rector's Prize, University of Zagreb, Faculty of Science, Zagreb 2008. Mentor of 3 student graduate work.

Skills and competencies

Genetics of cancer, Wnt signaling, tumorigenesis, tumor suppressor genes, oncogenes, genetic basis of human brain tumors, molecular biology methods (PCR, DNA and RNA isolation, Western blot, immunohistochemistry, RFLP, electrophoresis, PAGE, heteroduplex analysis).


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Publication indexed in CC.


Ostali indeksi/Other indexes


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Projects: Researcher at the HRZZ Research Projects

"The role of the Wnt signaling pathway in epithelial and mesenchymal transition"

"Genotype-Phenotype correlation in Alport's syndrome and Thin Glomerular Basement Membrane Nephropathy"

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Projects: Researcher at the HRZZ Research Projects

"The role of the Wnt signaling pathway in epithelial and mesenchymal transition"

"Genotype-Phenotype correlation in Alport's syndrome and Thin Glomerular Basement Membrane Nephropathy"

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Tena Niseteo, PhD, MSc
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Children’s Hospital Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical nutrition

BIOGRAPHY

After accomplishment of Master degree in Food Technology and Nutrition Science at the University of Zagreb, Croatia Tena Niseteo joined the Referral Centre for Paediatric Gastroenterology and Nutrition in Children’s Hospital Zagreb where she obtains the duties of first paediatric dietician/nutritionist in Croatia. During the year 2009 she made her sub-specialization in paediatric clinical nutrition and professional development at two European hospital centers with expertise in paediatric clinical nutrition Kinderklinik und Kinderpoliklinikim Dr. von Haunerschen Kinderspital in Munich, Germany and in Birmingham’s Children Hospital, Birmingham, Great Britain.

In 2009 she joined the ESPEN (European Society for Clinical Nutrition and Metabolism) where she was actively engaged in LLL courses and fulfilled all tasks and exams by which in year 2012 she earned European ESPEN Diploma in Clinical Nutrition and Metabolism with all rights, honors and privileges thereunto pertaining.

During this period she started with the postgraduate course and finished the research based on malnutrition in hospitalized children and defend her PhD thesis in year 2017. Besides her regular clinical duties she is involved in the research work in malnutrition in hospitalized children (Multicenter ESPEN study). She is actively involved in domestic and international scientific congresses. She is coauthor and editor of University handbook under the title Nutrition in general and clinic pediatrics.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
MINTS study 2015-2018 - Effects of oral nutrition supplements in children with disease associated underweight
ESPEN 2011-2015 Malnutrition Project

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
MINTS study 2015-2018 - Effects of oral nutrition supplements in children with disease associated underweight
ESPEN 2011-2015 Malnutrition Project
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Associate Professor Iskra Alexandra Nola, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Health and public health risks management in crisis situations

BIOGRAPHY

Born in Zagreb, Croatia. She holds PhD in Biomedicine, Master in Science (Biomedicine) and Master in Leadership and Management of Health Services. She currently works as Associate Professor at Department of Environmental and Occupational Health and Sports Medicine. The area of scientific and teaching work and interests includes: public health emergencies; environmental factors and related health effects; sociological aspects of environmental health; health/medical tourism; air pollutants and related health effects; and harmful environmental/variable factors and related effects in cardiovascular patients. She teaches at several different subjects in the area of environmental health; health and public health risks in disaster risk management; genes and environment; crisis situations management etc. at graduate, postgraduate and doctoral levels, including study in English – graduate and postgraduate as well. She is a course leader of one course at the postgraduate (doctoral) study of Biomedicine at the School of Medicine, University of Zagreb, and co-organizer and leader of the course "Health care in crisis situations", Interdisciplinary University study Crisis management at the University of Zagreb. She was co-organizer of the Disaster Bioethics Training School in 2014 in Dubrovnik, Croatia. She has participated actively at seven research projects and currently she participates at two, at one of them she is a leader and principal investigator. She has held several invited lectures in health tourism and public health emergencies domain. She is a mentor of about twenty graduate and postgraduate theses. She is a mentor of Student section of Public Health at School of Medicine, University of Zagreb.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 06th March 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Nola IA, PhD, Andrija Stampar School of Public Health, Croatia, Workshop 3. Public Health Emergencies & Ethics, An interactive workshop-style session to discuss the ethics of public health emergencies and how this relates to the trainee projects. The COST Action IS1201 on Disaster Bioethics Training School from 23 to 27 June 2014 in Dubrovnik, Croatia.

Nola IA, Borovecki A. Professional liability in crisis situations. COST workshop. Disaster Justice in Copenhagen February 27-28 2014. Organized in cooperation between the COST Action IS1201 on Disaster Bioethics and University of Copenhagen’s excellence program for interdisciplinary research project “Changing Disasters”.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Francula-Zaninovic S, Nola IA. Management of Measurable Variable Cardiovascular Disease' Risk Factors. Current Cardiology Reviews. 2018;14


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

COST Action IS1201 Disaster Bioethics

COST Action 15105 European Medicines Shortages Research Network - addressing supply problems to patients (Medicines Shortages)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Disaster Bioethics, EU COST Action

A scientifically based sustainable work safety system at the University of Zagreb, University of Zagreb (Znanstveno utemeljeni održivi sustav zaštite na radu na Sveučilištu u Zagrebu, Sveučilište u Zagrebu)
Application and improvement of a scientifically based work safety system at the University of Zagreb, University of Zagreb (Primjena i unaprijeđenje znanstveno utemeljenog sustava zaštite na radu na Sveučilištu u Zagrebu, Sveučilište u Zagrebu)

European Medicines Shortages Research Network - addressing supply problems to patients (Medicines Shortages)", EU COST Action

Public health significance of knowledge assessment of cardiovascular risk factors in hypertensive patients, University of Zagreb (Javnozdravstveni značaj procjene znanja o kardiovaskularnim čimbenicima rizika u hipertenzivnih pacijenata, Sveučilište u Zagrebu)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ruđer Novak, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Bone morphogenetic proteins in regeneration of bone and cartilage; Proteomics in biomedical research

BIOGRAPHY

After high school education in the 5th Gymnasium in Zagreb in year 2000, he graduated in 2005 on Molecular Biology at Faculty of Sciences - Biology department. In 2012 he received a Ph.D. from the Faculty of Pharmacy and Biochemistry in the field of Medical-Biochemical Sciences. From 2006 to 2012 he was employed at the Faculty of Pharmacy and Biochemistry, and from 2012 until today at the Faculty of Medicine, University of Zagreb, where he is employed as a research associate at the Department for proteomics of the Center for Translational and Clinical Research.

He has actively participated in 10 scientific research projects in biomedicine and has published 10 scientific papers in internationally recognized journals. He has held 10 lectures and published 18 abstracts in scientific papers, and has participated in the teaching of a dozen undergraduate and postgraduate courses at the Faculty of Pharmacy and Biochemistry and School of Medicine.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: January 16th 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2014. Reduscar – redukcija kožnih ožiljaka (PI: prof. dr. sc. L. Grgurević), University of Zagreb


2012. – 2016. Osteogrow - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration (PI: akademik Slobodan Vukičević), FP7

2012. – 2018. Prognostička vrijednost proteomskog profila u ranim malignim melanomima kože glave i vrata (PI's: prof. dr. sc Lovorka Grgurević and prof. dr. sc. Vladimir Bedeković)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


2014. Reduscar – redukcija kožnih ožiljaka (PI: prof. dr. sc. L. Grgurević), University of Zagreb


2012. – 2016. Osteogrow - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration (PI: akademik Slobodan Vukičević), FP7

2012. – 2018. Prognostička vrijednost proteomskog profila u ranim malignim melanomima kože glave i vrata (PI's: prof. dr. sc Lovorka Grgurević and prof. dr. sc. Vladimir Bedeković)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER: 

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Renata Novak Kujundžić, DVM, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular Oncology – Knowledge Based on New Technologies

BIOGRAPHY

Renata Novak Kujundžić
Year and place of birth: 1965, Zagreb
Address: Laboratorij za epigenomiku, ZMM, Ruđer Bošković Institute, Bijenička 54, 10000 Zagreb, Croatia

Education
1993. PhD, Faculty of Veterinary Medicine, University of Zagreb
1991. MS, Faculty of Veterinary Medicine, University of Zagreb
1989. DVM, Faculty of Veterinary Medicine, University of Zagreb

Employment/Positions held:
2017 Senior Research Associate, Laboratory for Epigenomics, Division of Molecular Medicine, Ruđer Bošković Institute
2002-2017 Research Associate, Division of Molecular Medicine, Ruđer Bošković Institute
1998-2002 Assistant, Division of Molecular Medicine, Ruđer Bošković Institute
1994 (October)- 1997 (July) Postdoctoral Fellow, Department of Avian Medicine, University of Georgia
1992 (September)-1994 (September): Top-Up Award NAFSA, Department of Avian Medicine, University of Georgia
1990-1995, young researcher - assistant, Department of Anatomy, Histology and Embryology, Faculty of Veterinary Medicine, University of Zagreb


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME (from 2008.)


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Ministry of science, education and sport, Republic of Croatia (098-0982464-2511) Gall Trošelj, K (Principal Investigator); 1st January 2007 - 31st December 2013. Epigenetic and immunomodulatory changes in malignant head and neck tumors; R. Novak Kujundžić - researcher

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Croatian Science Foundation Gall Trošelj, K (Principal Investigator). NRF2 at the crossroads of epigenetic remodeling, metabolism and proliferation of cancer cells. R. Novak Kujundžić - researcher

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 1

Ivan Rašić: Clinical significance of BORIS and MYC expression in hypopharyngeal squamous cell carcinoma. School of Medicine, University of Zagreb, Defended 27th September 2017.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Natalija Novokmet, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Institute for Anthropological Research

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Medical Anthropology

BIOGRAPHY

Natalija Novokmet PhD, works as a scientific associate at the Institute for Anthropological Research in Zagreb. She graduated in Biology at the Faculty of Science at the University of Zagreb and defended her M.Sc. thesis (2007), and Ph.D. thesis (2011). Her research interests are anthropological genetics based on genetic markers. The recent focus of her interest is biomedical (candidate genes) and epidemiological aspect of general and isolated populations. She has been involved in ten Croatian and international funded projects with near field point on population (genetic) structure and biomedical research of Croatian island populations and other European’s populations. Some of mentioned projects are as follows: Integrated GWAS and EWAS of Cradiometabolic Traits in an Island Population, Genetic and environmental factors of insulin resistance syndrome and its long-term complications in immigrant Mediterranean populations, Genetics of Metabolic Syndrome in an Adriatic Island Population (NIH) and Mapping genes underlying complex quantitative traits in Croatian isolate population, Croatian Islands’ Birth Cohort Study (CRIBS).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

2018 Assistant Professor, Field of Biology, Faculty of Science, University of Zagreb

2015 Assistant Professor, Field of Humanities, Field of Ethnology and Anthropology, Faculty of Humanities and Social Sciences, University of Zagreb

2014. Scientific associate, Field of biomedicine and health sciences.

2012 Scientific associate, Field of humanities.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Šarac, Jelena, Šarić, Tena; Havaš Auguštin, Dubravka; Novokmet, Natalija; Vekarić, Nenad; Mustač, Mate; Grahovac, Blaženka; Kapović, Miljenko; Nevajda, Branimir; Glasnović, Anton; Missoni, Saša; Rootsi, Siiri, Rudan, Pavao. Genetic Heritage of Croatians in the South-eastern European Gene Pool—Y Chromosome Analysis of the Croatian Continental and Island Population. // American journal of human biology. 28 (2016), 6; 837-845.

Novokmet, Natalija; Galov, Ana; Marjanović, Damir, Škaro, Vedrana; Projić, Petar; Lauc, Gordan; Primorac, Dragan; Pavao, Rudan. Genetic structure and admixture between Bayash Roma from northwestern Croatia and general Croatian population: evidence from Bayesian clustering analysis// Anthropologischer Anzeiger (2015).

Šarac, Jelena; Šarić, Tena; Havaš Auguštin, Dubravka; Jeran, Nina; Kovačević, Lejla; Cvjetan, Svjetlana; Perinić Lewis, Ana; Metspalu, Ene; Reidla, Maere; Novokmet, Natalija; Vidović, Mariška; Nevajda, Branimir; Glasnović, Anton; Marjanović, Damir; Missoni, Saša; Villes, Richard; Rudan, Pavao. Maternal genetic heritage of Southeastern Europe reveals a new Croatian isolate and a novel, local subbranching in X2 haplogroup. // Annals of human genetics. 78 (2014); 178-194.
Karns, Rebekah; Succop, Paul; Zhang, Ge; Sun, Guangyun; Indugula, Subba Rao; Havas-Augustin, Dubravka; Novokmet, Natalija; Durakovic, Zijad; Music Milanovic, Sanja; Missoni, Sasa; Vuletić, Silvije; Chakraborty, Ranajit; Rudan, Pavao; Deka, Ranjan. Modeling metabolic syndrome through structural equations of metabolic traits, co-morbid diseases, and GWAS variants. // Obesity. 21 (2013), 12; E745-E754.

Krištić, Jasminka; Vučković, Frano; Meni, Cristina; Klarić, Lucija; Keser, Toma; Beceheli, Ivona; Pučić-Baković, Maja; Novokmet, Mislav; Mangino, Massimo; Thaqi, Kujtim; Rudan, Pavao; Novokmet, Natalija; Šarac, Jelena; Missoni, Saša; Kolčić, Ivana; Polašek, Ozren; Rudan, Igor; Campbell, Harry; Hayward, Caroline; Aulchenko, Yuri; Valdes, Ana; Wilson, James F; Gornik, Olga; Primorac, Dragan; Zoldoš, Vlatka; Lauc, Gordan. Glycans are a novel biomarker of chronological and biological age. // Journals of Gerontology Series A Biological and medical sciences. published online (2013); 1-11.

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Šarac, Jelena, Šarić, Tena; Havaš Auguštin, Dubravka; Novokmet, Natalija; Vekarić, Nenad; Mustač, Mate; Grahovac, Blaženka; Kapović, Miljenko; Nevajda, Branimir; Glasnović, Anton; Missoni, Saša; Roots, Siiri, Rudan, Pavao. Genetic Heritage of Croatians in the Southeastern European Gene Pool—Y Chromosome Analysis of the Croatian Continental and Island Population. // American journal of human biology. 28 (2016), 6; 837-845.

Čoklo, Miran; Havaš Auguštin, Dubravka; Šarac, Jelena; Novokmet, Natalija; Khusnutdinova, Elza; Litvinov, Serghey; Haydar, Sara; Lautier, Corinne; Normand, Christophe; Attaoua, Redha; Vintila, Madalina; Bosch-Comas, Anna; Suarez, Helena; Jares, Pedro; Gomis, Ramon; Missoni, Saša; Marjanović, Damir; Grigorescu, Florin. Diversity of Y-chromosomal and mtDNA Markers Included in Mediscope Chip Within Two Albanian

Novokmet, Natalija; Galov, Ana; Marjanović, Damir, Škaro, Vedrana; Projić, Petar; Lauc, Gordan; Primorac, Dragan; Pavao, Rudan. Genetic structure and admixture between Bayash Roma from northwestern Croatia and general Croatian population: evidence from Bayesian clustering analysis // Anthropologischer Anzeiger (2015).

Hermanussen, Michael; Anisimova, Anna; Àßman, Christian; van Buuren, Stef; Camara, Antonio D; Elhusseini, Mona Abbas; El-Shabrawi, Mortada Hassan; Godina Elena, Zinovyevna; Gomula, Aleksandra; Groth, Detlef; Koziel, Slawomir; Lieberman, Leslie Sue; Meigen, Christof; Mumm, Rebekka; Nariyama, Koichi; Nowak-Szczepeńska, Natalia; Novokmet, Natalija; Satake, Takashi; Scheffler, Christiane; Söderhäll, Jani; Suchomlinov, Andrej; Tutkuviene, Janina; Wit, Jan M; Witwer-Backofen, Ursula; Yestrebsky, Cherie Lynn. "Proceedings of the 22nd Aschauer Soiree on Growth and Health Screening", held at Altenhof, Germany, November 15th, 2014. // Pediatric Endocrinology Reviews (PER), Diabetes Nutrition Metabolism Genetics. 12 (2015), 3; 323-332 (članak, znanstveni).

Sahay, Rashmi; Ollberding, Nicholas; Missoni, Saša; Novokmet, Natalija; Šarac, Jelena; Šarić, Tena; Rao, Marepalli; Rudan, Pavao; Deka, Ranjan. Fish and Shellfish intake and diabetes in a costal population of the Adriatic. // Collegium anthropologicum. 39 (2015), 2; 401-409 (članak, znanstveni)

Šarac, Jelena; Šarić, Tena; Havaš Auguštin, Dubravka; Jeran, Nina; Koavačević, Lejla; Cvjetan, Svjetlana; Perinić Lewis, Ana; Metspalu, Ene; Reilda, Maere; Novokmet, Natalija; Vidović, Maruška; Nevajda, Branimir; Glasnović, Anton; Marjanović, Damir; Missoni, Saša; Villems, Richard; Rudan, Pavao. Maternal genetic heritage of Southeastern Europe reveals a new Croatian isolate and a novel, local subbranching in X2 haplogroup. // Annals of human genetics. 78 (2014); 178-194.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

International projects:

2016. – 2017. Integrated GWAS and EWAS of Cradiometabolic Traits in an Island Population (Studija genetičkih, epigenetičkih i okolišnih čimbenika rizika za kardiometabolička svojstva u otočnoj populaciji) – voditelji prof. Ranjan Deka, Department of Environmental Health, University of Cincinnati, College of Medicine, Cincinnati, Ohio, Sjedinjene Američke Države i doc. dr. sc. Sasa Missoni, Institut za antropologiju, Zagreb.

2013. – 2016. FP7 projekt "MEDIGENE Genetic and environmental factors of insulin resistance syndrome and its long-term complications in immigrant Mediterranean populations (no. 279171), voditelj prof. dr. sc. Florin Grigorescu, University of Montpellier, Montpellier, France.


National projects:


2013. Povezanost procesa glikozilacije i starenja u populaciji otoka Visa (Komiža), (MZOŠRH: Populacijska struktura Hrvatske – antropogenetički pristup, voditelj akademik Pavao Rudan).

2011. - 2012. ANTRONA - Izgradnja temeljnog nazivlja u antropologiji, voditeljica prof. dr. sc. Anita Sujoldžić. Program Hrvatske zaklade za znanost "Izgradnja hrvatskoga strukovnog nazivlja" (STRUNA)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2016. – 2017. Integrated GWAS and EWAS of Cradiometabolic Traits in an Island Population (Studija genetičkih, epigenetičkih i okolišnih čimbenika rizika za kardiometabolička svojstva u otočnoj populaciji) – voditelj prof. Ranjan Deka, Department of Environmental Health, University of Cincinnati, College of Medicine, Cincinnati, Ohio, Sjedinjene Američke Države i doc. dr. sc. Sasa Missoni, Institut za antropologiju, Zagreb.

2013. – 2016. FP7 projekt "MEDIGENE Genetic and environmental factors of insulin resistance syndrome and its long-term complications in immigrant Mediterranean populations (no. 279171), voditelj prof. dr. sc. Florin Grigorescu, University of Montpellier, Montpellier, France.


ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Lana Omerza, MD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liver transplantation in children

BIOGRAPHY

Date and place of birth: July 3, 1976 in Zagreb
Address: Kutnjački put 18, Zagreb
Telephone / e-mail: 098819876; lanamadercic@yahoo.com
Marital status: married, mother of two children

Education:
Elementary School and VII Gymnasium in Zagreb
1994-2000.g. Faculty of Medicine, University of Zagreb.
During the study, the demonstrator at the Department of Anatomy (95-97), and at the Department of Pathophysiology (1997-1998)
1998 a student stay at McGill University, Montreal, Canada, for 6 weeks.
From 1998 to 2000 scholarships of the University of Zagreb.
22. 05. 2000. graduated from the University of Zagreb Medical School with an average grade of 4.56.
In 2000 he received the dean of the best student of the sixth year of study
2,000th to 2,001th Preparatory Exercise in the Clinical Hospital for Pulmonary Diseases "Jordanovac"
September 2001.g. passed a state exam.
From 05.11.2001. as a research fellow of the Department of Pediatrics at the Faculty of Medicine,
University of Zagreb, on the scientific research project "Cellular immune response to gliadine peptide in children with celiac disease", holder of prof.dr.sc. Ane Votave-Raić, and from July 15, 2008. on the scientific research project "Proteomic study of urinary biomarkers of idiopathic nephrotic syndrome" by the holder of prof.dr.sc. Danice Batinić.
He has been active in teaching at the Faculty of Medicine, University of Zagreb since 2001, from pediatrics, medical genetics and clinical reasoning (since 2010), and an electoral emergency module. She also participates in teaching English in the English language.
Since 2011. Participates in teaching at the postgraduate postgraduate study in pediatrics.
She graduated from the Faculty of Medicine at the University of Zagreb
Since 2009 he is a treasurer of the Croatian Society for Pediatric Gastroenterology, Hepatology and Nutrition.
6.5.2010. passed a specialist examination of pediatrics.
The author participated in about 30 papers and texts.
Speaks English and German. 1994 passed Oxford's first certificate in English.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Vuković J, ur. Česti poremećaji probavnog sustava u djece – pristup u praksi, Medicinska naklada, Zagreb 2009; 127-135


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

As a research assistant since 2001, I actively participate in the maintenance of undergraduate teaching in pediatrics, as well as in clinical examination, medical genetics and emergency module.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Darko Orešković, DVM, PhD, research advisor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: retired

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pathophysiology of the brain and CFS

BIOGRAPHY

Place and date of birth: Pakrac, May 6, 1951

Education: 1970 – high school in Krapina; 1973 - 1978 Faculty of Veterinary Medicine, University of Zagreb; 1981 - defended his master's thesis entitled "Study of the secretion of cerebrospinal fluid by perfusion of liquid spaces" at the University of Zagreb; 1987 - defended his doctoral dissertation titled "Effect of hydrostatic pressure on the formation and disappearance of cerebrospinal fluid" at the Veterinary Faculty of the University of Zagreb;


associate or holder of several scientific research projects; a member of a number of scientific societies; lecturer in postgraduate teaching; President of the Rudjer Boskovic Institute Council; Defense Commander and Member of the Ruđer Bošković Institute Crisis Staff; 1991 - 1994 Member of the Senate of the University of Zagreb; 1991 - 1994 Member of the Presidency of the University of Zagreb; 2004 - now a member of the Rudjer Boskovic Institute's Administrative Council

Scientific interest: Patho / physiology of cerebrospinal fluid, Patho / physiology of serotonin, Neuropharmacology, Blood-brain barrier

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Pathophysiology and serotonin genetics in the mammalian organism
Pathophysiology and Therapeutic Possibilities of Increased Intracranial Pressure
Pathophysiology of cerebrospinal fluid
Hydrodynamics of cerebrospinal fluid
Hydrodynamics of cerebrospinal fluid
Neurobiological background of autism: role of serotonin system

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Serotonergic modulating of obesity
The Fate of Brain Metabolites and Drugs in the Liquor System
Pathophysiology of hydrocephalus
Intracranial pressure regulation mechanism
Mechanism of action of osmotic drugs on intracranial hypertension
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Slavko Orešković, full professor tenure

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department for Gynecology and Obstetrics
Medical School University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Diagnostics and treatment of female urinary incontinence

BIOGRAPHY

Date and place of birth February 3, 1960 Gospić

Education:
1979-1984. School of Medicine, University of Zagreb
1989-1991. School of Medicine, University of Zagreb – Postgraduate study “Perinatology and Neonatology”
1996 Master degree
1999 PhD degree

Work experience
1988-1992 Clinical hospital centre Zagreb / Department of Obstetrics and Gynaecology - specialization in gynaecology and obstetrics
1992 - present: Clinical hospital centre Zagreb / Department of Obstetrics and Gynaecology, gyn&obs specialist;
2006 - subspecialist of urogynecology
2007 – present Head of Department of Gynecology and Obstetrics
2009 – Head of Chair for Gynecology and Obstetrics Medical School University of Zagreb
2013 – scientific assistant
2018 – present – Full professor tenure of Obstetrics&Gynecology, University of Zagreb

Membership in domestic and foreign medical association:
Croatian Medical Chamber
President of Croatian Society for Urogynecology
Vice president of Croatian Society of Gynecology and Obstetrics
Member of the Board Croatian Society of Gynecological Surgery
Croatian Society of corniers
Croatian Society for perinatal Medicine
European Association for Cancer Research

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2. „Spremembe debeline stene sečnega mehurja in sprememba količine izločanega živčnega rastnega faktorja in citokinov v urinu pri zdravljenju prekomerne aktivnosti sečnega mehurja

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. „Clinical and biological factors determining severity and activity of chronic graft-versus-host disease after allogenic hematopoietic stem cell transplantation2 Unity Through Knowledge Fund (UKF) Research Cooperability Program, Crossing Borders Grant (1B) Voditelji: prof.dr.sc. Steven Živko Pavletić (National Cancer Institute, National Institutes of Health, USA, prof.dr.sc. Damir Nemet KBC Zagreb.


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 13
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Orešković Stjepan, Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of research and evaluation of health interventions; Health and public health risks management in crisis situations

BIOGRAPHY

Professor Stjepan Oreskovic, PhD., was born on February 7, 1960, in Virovitica. PhD in 1991; graduate program in Public Health, and Gerontology (1987-1989), MSc in 1989; graduate program in Research Methodology (1985-1988), MSc in 1990. Since 1986 Associate Professor at the Andrija Stampar School of Public Health, Zagreb University Medical School. Head of the Department of Medical Sociology and Health Economics. Management consultant and researcher: Director of Andrija Stampar School of Public Health, director of the World Bank Health System Project in Croatia, adviser to the World Health Organization for Health Technology Assessment. Published 258 publications including books, lecture texts and textbooks, published in various domestic and foreign scientific journals, 865 Google Scholar citations with 16 h-index and 27 i-10 index. Participation in 11 major domestic and foreign scientific projects, mostly as project leader. Member of several associations in which acting as board of director (International Association for Health Policy, European Association for Health and Medical Sociology, Association of Schools of Public Health Europe, Canadian Society for International Health).

Professor Orešković has experience in science as a researcher, lecturer and professor and as a manager of international projects, and academic institutions. He is the director of a collaborative center for HIV’s strategic information from the World Health Organization, which has taught courses from 106 countries around the world. He is a lead investigator for the Global GRAND Project (2018-2021), which includes research teams from Harvard Medical School - Massachusetts General Hospital and Medical University of Ljubljana and University of Zagreb. Stjepan has led joint educational, research and consultancy projects with the London School of Economics and Political Science, the London School of Hygiene and Tropical Medicine, Harvard School of Public Health, Bocconi University, the University of Trieste and the University of Ljubljana. He has published a total of 156 reviewed articles with the leading world publishers such as Springer Publishing, Elsevier Science, Wiley-Blackwell and Pergamon Press. He also worked as a consultant for international organizations such as the World Bank, the European Commission, and the World Health Organization. Stjepan is best known for his projects that foster innovative interventions and health care research in the field of tobacco addiction control, obesity prevention, and new forms of addiction, including addiction to the Internet.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 15 December 2017, Full-Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Scopus


Borovečki A, ten Have H, Orešković S. A critical analysis of Croatian hospital ethics committees: opportunity or bureaucratic cul-de-sac. Društvena istraživanja 2006;15:1221-38


Web of Science Core Collection (WOSCC)


PubMed


Borovecki A, ten Have H, Oreskočić S. Ethics committees in Croatia in the healthcare institutions: the first study about their structure and functions, and some reflections on the major issues and problems. HEC Forum. 2006 Mar;18(1):49-60.


Borovecki A, ten Have H, Oreskočić S. Ethics committees in Croatia in the healthcare institutions: the first study about their structure and functions, and some reflections on the major issues and problems. HEC Forum. 2006 Mar;18(1):49-60.


Orešković S. Škola narodnog zdravlja : kuća Štamparova bitka. Liječnički vjesnik 2002;124(Supl. 2):1-4


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Borovecki A, ten Have H, Oresković S. Ethics committees in Croatia in the healthcare institutions: the first study about their structure and functions, and some reflections on the major issues and problems. HEC Forum. 2006 Mar;18(1):49-60.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Principal Investigator: Comparison of Varenicline and Cytisine effectiveness on nicotine smoking cessation in Primary health care- randomized controlled trial GRAND FOUNDATION GLOBAL AWARD

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Principal Investigator MZO „Kvaliteta života liječnika i budućnost liječničke profesije u RH” (108-0000000-3577) 2007-2013

Project Collaborator 2016 „Analiza Internet foruma o mentalnim bolestima- FOMB, Principal Investigator Assistant Professor Ognjena Brborović
Project Collaborator 2017 „E-profesionalizam zdravstvenih djelatnika“, Principal Investigator Assistant Professor Tee Vukušić Rukavina

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 6
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Doc.dr.sc. Jelena Osmanović Barilar

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research methods in vivo and in vitro

BIOGRAPHY

Department of Pharmacology, Laboratory for Molecular Neuropharmacology, School of Medicine, University of Zagreb Šalata 11 (josmanov@mef.hr)


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Articles from 2010-2018:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1) MZOŠ istraživački projekti (suradnik) 2007-2012 „Mozak, eksperimentalni i središnji dijabetes, te kognitivne i druge povezane promjene”

2) UKF istraživački projekt (suradnik) 2010-2012 „Cytopathological characterization of the brain in a rat model of sporadic Alzheimer's disease”

3) DAAD/MZOŠ bilateralni projekt (suradnik) 2004 – 2010

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1) HRZZ istraživački projekti (suradnik) 2018 – 2022 „Mehanizmi nutrijentom posredovanih učinaka endogenog glukagonu sličnog peptida-1 na kognitivne i metaboličke poremećaje u eksperimentalnim modelima neurodegenerativnih bolesti (NutrientGLP-1)”; 2015 - 2018 „Terapijski potencijal oralne galaktoze u eksperimentalnoj Alzheimerovoj bolesti (GALAD)”

2) DAAD/MZOŠ bilateralni projekt (suradnik) 2017 – 2018 „Molecular characterization of the therapeutic galactose potential as a new strategy in Alzheimer's disease treatment”

4) Znanstveni centar izvrsnosti (ZCI) za bazičnu, kliničku i translacijsku neuroznanost (suradnik) 2017 – 2022 (HIIM, voditelj prof. dr. s.c M. Judaš), u istraživačkoj skupini istraživanje „Modeliranje inzulinske rezistencije u mozgu kao pokretača sporadične Alzheimerovu bolest”

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFECE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Slobodanka Ostojic-Kolonic professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinical Hospital Merkur

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Understanding bone metabolism – basic science in clinical practice; Scientific approach to transfusion treatment

BIOGRAPHY

Slobodanka Ostojić Kolonić graduated from the University of Zagreb Medical School in 1983. She completed her Postgraduate Study of Clinical Pharmacology at the Faculty of Medicine in Zagreb in 1988. She graduated from the same faculty at the Academy of Sciences (1989) and finished her doctoral thesis in 2000.

Since 1986, she is the member of Hematology department Clinical Hospital Merkur.

From 2004 to 2011 she was the head of the Department of Clinical Pharmacology. Since December 2011 until November 2018 she has been the Head of the Department of Internal Medicine.

From December 2011 until today she has been the Head of Hematology Department at Clinical Hospital Merkur.

In April 2015, she became cumulative associate professor at School of Medicine, University of Zagreb in the field of Biomedicine and Health Sciences: Clinical medical sciences- Internal Medicine.

Slobodanka Ostojić Kolonić actively participates in undergraduate and postgraduate studies at School of Medicine, University of Zagreb: internal propedeutics, internal medicine, small elective courses and postgraduate studies of family medicine, pathology, clinical cytology and hemato/oncology. She is now a member of the postgraduate study committee of hematology.

For the last 6 years, she has been the head of the postgraduate courses of continuous medical education of the 1st category at the Faculty of Medicine in Zagreb (courses: Hematologic Patient and Primary Health Care Physician, Increased Lymph Node: Diagnostic and Therapeutic Algorithm) and Continuous Medical Training Courses from Knowledge Recognition (Courses: treatment of oncological patients; Anemia, diagnostic and therapeutic approaches). She also participates in other courses at the School of Medicine in Zagreb in the field of intensive medicine, mycology, immunology and transfusion medicine.

Prof Ostojić is an elected mentor for doctors during their hematology fellowship in Clinical Hospital Merkur. She was also a member of a specialist training group in hematology.

She actively participates in the work of national and international expert meetings. She is a member of the Croatian Medical Association, Croatia Hematology Society, European Association of Hematologists (EHA), European Association for Research and Treatment of Cancer (EORTC) and American Association of Hematologists (ASH).

She is currently vice-president of the Croatian Co-operative Group for Hematologic Diseases (KroHem) and the chair of the KroHem Working Group for Myelodysplastic Syndrome.

She was a member of the Steering Committee of the European Myelodysplastic Syndromes Registry (EU MDS). She was a member of the Organizing Committee of the Third (2003), Fourth (2007), Fifth (2012) and Sixth (2014) Congress of Croatian hematologists and transfusionists and a member of the Scientific Committee of the 7th Congress of Croatian Hematologic Society.
Prof Ostojić Kolonić has lectured numerous domestic and international meeting, published numerous manuscripts in CC and non-CC journals, educational chapters in university books. She was a member of the editorial board of the Pharmaca journal and the Medicine Newsletter, now a reviewer of the journal Acta Medica Croatia, Medical Journal and Acta Clinica Croatica.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Petar Ozretić, Assist. Prof., Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods in molecular oncology

BIOGRAPHY

I was born in 1976 in Čakovec, Croatia. In 2005 I obtained Diploma degree in molecular biology at the Faculty of Science, University of Zagreb, Croatia, and in 2013 PhD degree in biomedicine and health at the Doctoral study of Molecular Biosciences at J. J. Strossmayer University of Osijek, Croatia. My entire scientific career has been developing at the Division of Molecular Medicine at the Ruđer Bošković Institute in Zagreb, Croatia. I was professional associate (11/2006-04/2007), assistant/PhD student (06/2007-07/2013), senior assistant/postdoc (07/2013-03/2017), and from 04/2017 I am a research associate in the Laboratory for Hereditary Cancer at the same Division. I was a visiting scientist at the Centre for Integrative Biology (CIBIO), Trento, Italy; German Cancer Research Center (DKFZ), Heidelberg, Germany; Karolinska Institute, Stockholm, Sweden, and at the Division of Bioinformatics at Biocenter of Medical University of Innsbruck, Austria. From 04/2018 I’m an assistant professor at the J. J. Strossmayer University of Osijek and participate in several postgraduate courses. I was one of cofounders of Croatian Association for Cancer Research (HDIR) and its Secretary since 2009. From 2015 I’m treasurer of Croatian Society for Theoretical and Mathematical Biology (HDTMB). My two main research topics are genetics of hereditary breast/ovarian cancer syndrome (BRCA1/2 genes) and epi/genetic causes of aberrant Hedgehog-GLI signaling pathway activity in various tumors. I’m also collaborating with numerous Croatian clinicians and scientists on cancer biomarker discovery and validation and application of STR markers in forensics and population genetics. In recent years I’ve become more interested in high-throughput sequencing data analysis and more complex biomathematics.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 24/04/2018

Assistant Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/her FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

• from 01/2019 – associate on the Croatian Science Foundation research project “GLIcode - Differential regulation of the GLI code in BRAF/NRAS driven tumors“ / PI Maja Sabol

• 2019 – principal investigator on research project “Mutational signatures of hereditary breast and ovarian cancer genes“ (the Terry Fox Foundation donation)

• 2018 – principal investigator on research project “Genetic profile of hereditary breast cancer“ (The Terry Fox Foundation donation)

• from 05/2017 – associate on the Croatian Science Foundation research project “MiRNAGLI - Novel molecular mechanisms for new therapeutic approaches: Interactions of microRNAs and Hedgehog-GLI signaling pathway in serous ovarian carcinoma“; [HRZZ IP-2016-06-1268] / PI Sonja Levanat

• from 2017 – associate on research project “Interaction of HH-GLI signaling pathway and androgen receptor in prostate cancer” (dm-Drogerie Markt donation) / PI Sonja Levanat

• 2017/18 – associate on research project “Discovery of new biomarkers for melanoma development” (the City of Zagreb donation) / PI Sonja Levanat

• 2016/17 – associate on research project “Mechanisms of interaction of steroids and signaling pathways in the development of ovarian cancer: Looking for early indicators of ovarian cancer“ (the City of Zagreb donation) / PI Sonja Levanat

• 2016/17 – associate on research project “Apoptotic pathways and role of BIRC5 (survivin) in breast cancer development“ (the Terry Fox Foundation donation) / PI Sonja Levanat

• 2015 – associate on research project “microRNA profiling of ovarian cancer“ (the Terry Fox Foundation donation) / PI Sonja Levanat


• 2012 – associate on research project “Role of survivin as a predictive and prognostic marker in breast cancer“ (the Terry Fox Foundation donation) / PI Sonja Levanat
• 2011/12 – principal investigator on the Croatian Science Foundation’s Fellowships for Doctoral Students project “Functional analysis of CGG-trinucleotide repeats variants found in the 5’ untranslated region of PTCH1 gene”; [HRZZ 03.01/214]

• 2009 – associate on research project “Genetic testing of inherited predisposition to breast and ovarian cancer” (the Terry Fox Foundation donation) / PI Sonja Levanat


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

• from 01/2019 – associate on the Croatian Science Foundation research project “GLIcode - Differential regulation of the GLI code in BRAF/NRAS driven tumors” / PI Maja Sabol

• 2019 – principal investigator on research project “Mutational signatures of hereditary breast and ovarian cancer genes” (the Terry Fox Foundation donation)

• 2018 – principal investigator on research project “Genetic profile of hereditary breast cancer” (The Terry Fox Foundation donation)

• from 05/2017 – associate on the Croatian Science Foundation research project “MIRnaGLI - Novel molecular mechanisms for new therapeutic approaches: Interactions of microRNAs and Hedgehog-GLI signaling pathway in serous ovarian carcinoma”; [HRZZ IP-2016-06-1268] / PI Sonja Levanat

• from 2017 – associate on research project “Interaction of HH-GLI signaling pathway and androgen receptor in prostate cancer” (dm-Drogerie Markt donation) / PI Sonja Levanat

• 2017/18 – associate on research project “Discovery of new biomarkers for melanoma development” (the City of Zagreb donation) / PI Sonja Levanat

• 2016/17 – associate on research project “Mechanisms of interaction of steroids and signaling pathways in the development of ovarian cancer: Looking for early indicators of ovarian cancer” (the City of Zagreb donation) / PI Sonja Levanat

• 2016/17 – associate on research project “Apoptotic pathways and role of BIRC5 (survivin) in breast cancer development” (the Terry Fox Foundation donation) / PI Sonja Levanat

• 2015 – associate on research project “microRNA profiling of ovarian cancer” (the Terry Fox Foundation donation) / PI Sonja Levanat

ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ljiljana Pačić-Turk, Ph.D, assistant professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Catholic University of Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research Methods of Psychological Functions and Behaviour

BIOGRAPHY

WORK EXPERIENCE

2015. - current Assistant Professor, Psychology Department, Catholic University of Croatia
1985. – 2015. Psychologist, Department of Neurosurgery, University of Zagreb’s School of Medicine, University Hospital Centre Zagreb

EDUCATION:

2003. Ph. D. School of Medicine, University of Zagreb Dissertation: „Factors of changes in psychological functions following brain artery aneurism surgery”

1996. Master of Science, School of Medicine, University of Zagreb; Dissertation: „Neuropsychological deficits and personality changes following brain aneurism surgery”

1982. Psychologist; Faculty of Humanities and Social Sciences, University of Zagreb

TEACHING ACTIVITIES

Catholic University of Croatia

2014 – current Introduction to Clinical Psychology
2014 – 2017 Introduction to Neuropsychology
2015 – current Clinical Psychodiagnosis
2015 – current Health Psychology
2016 – current Psychology of Rehabilitation
2016 – current Psychological Reports Writing
2016 – current Neuropsychological Assessment in Children and Adults

Centre for Croatian Studies, University of Zagreb

2001 – 2008 Clinical Psychology
2005 – 2011 Introduction to Clinical Psychology
2005 – 2013 Clinical Psychodiagnosis
2005 – 2018 Clinical Interview
2005 – 2018 Writing Clinical Psychological Reports
2011 – 2018 Diagnostic Criteria in Clinical Practice
2013 – 2018 Clinical Neuropsychology

University of Applied Health Sciences

Participates in postgraduate studies in psychotherapy and several courses within the undergraduate classes at Medical School Zagreb. Held a series of lectures to students of speech pathology at Education and Rehabilitation Sciences in the field of neuropsychological diagnostics, medical students as part of the Integrated classes in neurosurgery and lectures to students of other psychological studies in Croatia.

She was president of the Organizing Committee of the 1st and 2nd Croatian Congress of Applied Psychology. In 2006, as an invited speaker, held the lectures at the course of permanent education of epilepsy "Applying new knowledge and therapeutic guidelines in neurology" and during Brain Awareness Week in Rijeka, 2009. "Neuropsychological approach: diagnosis and rehabilitation of cognitive functions" at the psychiatric hospital Rab. Organized a round table "Problems of verbal and non-verbal communication in patients with brain damage" during the Brain Awareness Week in Rijeka, 2009. At the beginning of her professional work, she volunteered on the phone for psychological help.


She was Head of the Section of Clinical Psychology and Section of Health Psychology of the Croatian Psychological Association and vice president of the Croatian Psychological Association (2001-2004), Vice President of Croatian Psychological Chamber (2004-2005), and 2004-2009. President of The Croatian Psychological Chamber.

She is the Head of the Department of Psychology, Catholic University of Croatia, since 2017.

Membership of:
Croatian Society for Neuroscience
Croatian Psychological Chamber
Croatian Psychological Society

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 13.10.2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

PAČIĆ-TURK, LJ., JANDRIJEVIĆ, P., HAVELKA-MEŠTROVIĆ, A. Recovery of Memory after Cerebral Artery Aneurysm Surgery Acta Clinica Croatica - IN PRINT


HAUPTFELD, V., PAČIĆ-TURK, LJ. (1993). Neuropsychological factors in craniocerebral injuries. In: Iveković, V., Jeličić, I.: Diagnostics and treatment of craniocerebral injuries (pp. 110-114). Zagreb: School of Medicine, University of Zagreb


Scientific conferences - abstracts


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

PAČIĆ-TURK, LJ., JANDRIJEVIĆ, P., HAVELKA-MEŠTOVIĆ, A. Recovery of Memory after Cerebral Artery Aneurysm Surgery - Acta Clinica Croatica - IN PRINT


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2016 – 2017: Association between personality traits and ways of coping with stress, project leader: Krunoslav Matešić


1997 – 2001: Craniocerebral injuries, project leader: Josip Paladino


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2016 – 2017: Association between personality traits and ways of coping with stress, project leader: Krunoslav Matešić

ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Frane Paić, assistant professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of medical biology, School of Medicine Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Epigenetics; Methods of molecular biology in medicine

BIOGRAPHY

Born: 27. 08. 1966, Šibenik, Croatia. Education: 1999 BS, molecular biology, School of Sciences, Zagreb, Croatia. 2002. MS, School of Medicine Split, Croatia. 2011., PhD, School of Sciences Zagreb, Croatia. Working experience: 2002-2004 Exchange visitor/research fellow on scientific project: „Novel animal models for viral hepatitis, Molecular agents against viral hepatitis and liver transplantation”; PI - Prof. George and Catherin Wu, MD, PhD. University of Connecticut Health Centre, School of Medicine, Department of Gastroenterology/Hepatology, 263 Farmington Avenue, CT 06030, USA. 2004-2005., Investigation of Biological traces - Forensic DNA analysis, trainee, Ministry of Interior Republic of Croatia, Centre for Crime Scene Investigation „Ivan Vučetić”, Ilica 335, 10 000 Zagreb, Croatia. 2005-2006., research fellow, trainee, University of Zagreb, School of Medicine, Centre for Functional Genomics, Salata 3, 10 000 Zagreb, Croatia. 2006-2011., young research fellow-assistant, Department of Medical Biology School of Medicine, University of Zagreb, Šalata 3, 10 000 Zagreb, Croatia. 2007-2008., PhD student-worker, research fellow, Department of Reconstructive Sciences, School of Dental Medicine, University of Connecticut Health Centre, 263 Farmington Avenue, CT 06030, USA. 2011-2016, Senior assistant, Department of Medical Biology School of Medicine, University of Zagreb; 2016- till present assistant professor at Department of Medical Biology School of Medicine, University of Zagreb. Publications: 5 scientific articles in CC journals, 5 in others, 35 abstracts in scientific meetings, 3 chapters in books, and 2 invited lectures; 283 citations (Scopus) 266 (Web of science) 401 (Goggle scholar) 302 (Researchgate); h index: 4(Scopus), 5 (Google scholar) 4 (Web of sciences). Reviewer: Gene (Publisher Elsevier). Mentorship: 4 graduate thesis; 3 PhD Thesis in progress; Ad hoc reviewer: Bioscience Reports, BMJ Case Reports, Bentham science: Current Cardiology Reviews, Periodicum Biologorum, Current Pharmaceutical Design, Croatian Medical Journal, OMICS publishing group; Journal of Clinical & Experimental Cardiology, Gene; Cancer Cell International, Arh Hig Rada Toksikol.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


9. Baus Lončar, Mirela; Paić, Frane; Ugarković, Đurđica. Molecular cytogenetic study of heterochromatin in some coleopteran insects // Entomologia Croatica, 9 (2005), 1/2; 47-56


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Participation in scientific projects: 2000 - 2002. Clinical Hospital Split, Laboratory for Clinical and Forensic Genetics, Department of Pathology and Forensic Medicine: “Promega, European/STR working group: Validation of DNA IQ System for DNA isolation; AluQuant Human DNA Quantification System and PowerPlex 16 kit for DNA amplification and their use in process of identification of skeletal remains” PI - Dragan Primorac MD, PhD. 2002 - 2004. University of Connecticut Health Centre School of Medicine Department of Gastroenterology/Hepatology; “Novel animal models for viral hepatitis, Molecular agents against viral hepatitis and liver transplantation” PI - Prof. George Wu MD PhD and Catherin Wu, MD, PhD. 2007 – 2008, University of Connecticut Health Centre, School of Dental Medicine, Department of reconstructive Science, Global gene expression in bone cells. PI- Assistant Prof. Ivo Kalajžić MD, PhD. 2006, School of Medicine, University of Zagreb “Experimental approach on reproductive health in mammals”, PI Prof. Floriana Bulić-Jakuš MD., PhD, financed by Ministry of Science Republic of Croatia. 2007-2013, School of Medicine, University of Zagreb, “Experimental embryonic tumors and development of the mammalian embryo in vitro and in vivo”, PI Prof. Floriana Bulić-Jakuš MD., PhD, financed by Ministry of Science Republic of Croatia.HRZZ project:5699; Project name: Karakterizacija reakcije osteoklastnih progenitora na artritis; Principal investigator: Prof. Danka Grčević, Project duration: 1.9.2014 - 31.8.2017; HRZZ project: 2014-09 7406 ; Project name: Molecular mechanisms of Fas-driven osteoresorption in arthritisAcronym: Acronym: MEFRA Project duration: 01.11.2015 - 31.10.2019 Status: in progress ); University support for scientific projects 2018: The role of Hedgehoge signaling and DNA damaging and demethylation pathway in development of aortic valve stenosis: Principal investigator: Frane Paić

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Neven Papić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: PhD Programme Biomedicine and Health Science - course "Viral hepatitis"

BIOGRAPHY

Neven Papic, born on January 5th 1984 in Zagreb, following graduation from School of Medicine at the University of Zagreb in 2008, worked as a Research Fellow at the University Hospital for Infectious Diseases in Zagreb where he gained interest in the field of viral hepatitis and has started infectious disease fellowship in 2010. In 2011 and 2012 he gained additional education in the field of genome analysis at the University of Utah, USA. In 2016 he finished specialization in infectious diseases, and from 2019. he is working as a postdoctoral fellow at the University of Zagreb, School of Medicine, Department of infectology. He received several prestige awards in 2011 ESCMID (European Society of Clinical Microbiology and Infectious Diseases) Training and Education Award and Croatian Science Foundation Scholarship for doctoral students and in 2014 ESCMID TAE Award for Training achievements. He is researcher on several Croatian and international science projects. In his research he advocates the interdisciplinary approach that integrates the basic and clinical science to decode dynamic interactions between microbial pathogens and their hosts.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2018., postdoctoral fellow

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

«Imunopatogeneza hepatitisa B i C» (143-0000000-0117) - Croatian Science Foundation (science novice)
"Infectomics Study of Human Liver Non-parenchymal Cells in Chronic Hepatitis C" (HRZZ), researcher

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

«Imunopatogeneza hepatitisa B i C» (143-0000000-0117) - Croatian Science Foundation (science novice)

"Infectomics Study of Human Liver Non-parenchymal Cells in Chronic Hepatitis C" (HRZZ), researcher
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Daria, Pašalić, PhD, Associate Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Zagreb University School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical Methods in Biomedicinal research

BIOGRAPHY

DATE AND PLACE OF BIRTH: Split, Croatia, July 29, 1969

FAMILY: Married, Three kids

EDUCATION:

Faculty of Pharmacy and biochemistry (FP&B)-Zagreb University 1988-1993

Postgraduate study of medical biochemistry (FP&B, Zagreb University) 1996-1999

Education- study visit in Clinical hospital center-Zagreb, Clinical department for laboratory diagnostics 1997-1999

Master of Sciences, Biomedicine and Health, Medical Biochemistry 2000

Tutor education, Zagreb University School of Medicine

& Harvard Medical International 2002

PhD-Biomedicine and Health, Medical Biochemistry 2004

Certificate for Art of medical education, School of Public Health, Zagreb University School of Medicine 2010

LANGUAGES

English, French, German

PROFESSIONAL APPOINTMENTS

Outpatient Clinic-Tresnjevka-Zagreb, Central diagnostic laboratory 1993-1994

Scientific institute „Rudjer Boskovic“-Zagreb, volunteer November 1994-March 1995

Zagreb University School of Medicine, Department of Medical Chemistry, Biochemistry and Clinical Chemistry

Young assistant 1996-2000

Assistant 2000-2004

Senior assistant 2005-2008

Assistant Professor 2008-2013

Associate Professor 2013-

TEACHING SKILLS AND EXPERIENCE

Undergraduate studies:

Integrated study of Medicine:

1. Medical Chemistry and Biochemistry I – Medical studies in Croatian- 1st year (since 1996)
2. Medical Chemistry and Biochemistry II – Medical studies in Croatian- 2nd year (since 1996)
3. Clinical Biochemistry - Medical studies in Croatian- 4th year (since 2005)
4. Medical Chemistry and Biochemistry I – Medical studies in English- 1st year (since 2002)
5. Medical Chemistry and Biochemistry II – Medical studies in English- 2nd year (since 2002)
6. Clinical Biochemistry - Medical studies in English- 6th year (since 2005)

Integrated study of Dental Medicine
7. Biochemistry for dental medicine - 1st year (since 1997)

University of applied health sciences
8. Biochemistry for students of Laboratory medical diagnostics (2010-2014)

Postgraduated studies:
1. PhD study: Biomedicine and Health - Zagreb University School of Medicine - Biochemical methods in biomedical research- collaborator (since 2006)
2. PhD study: Pharmaceutical and Biochemical Sciences - Zagreb University School of Pharmacy and Biochemistry-Molecular biochemistry of cardiovascular disorders- course coordinator (since 2009)
3. Specialist study of molecular diagnostics- Zagreb University School of Pharmacy and Biochemistry-Molecular diagnostics of atherosclerosis-course coordinator (since 2010)
4. The meaning of diet in prevention and treatments (Postgraduate course of continuous medical education- 2nd category, Zagreb University School of Medicine)- collaborator

MENTORSHIP AND TEACHING
1. Co-mentor (N. Marinković, doctoral thesis, 2010, University of Zagreb Faculty of Science)
2. Mentorship in doctoral thesis (L. Feher Turković Faculty of Science, University of Zagreb)
3. Lecturer and mentor in Biochemia Medica course for young editors and reviewers
4. Mentorship in 3 students’ Master thesis

MEMBERSHIP IN SCIENTIFIC AND PROFESSIONAL SOCIETIES
1. Croatian Society of Medical Biochemistry and Laboratory Medicine
   - Member since 1993
   - vice president 2012-2018, president since 2018
   - EFLM national representative since 2012 to 2018
   - IFCC national representative since 2014 to 2018
2. Croatian Society of Biochemistry and Molecular Biology
   - Member since 1996
3. CSMBLM Member of Working group for competences in clinical biochemistry – joint workgroup of CSMBLM and CCMB (Croatian Chamber of Medical Biochemists)
4. EFLM, C-ET WG-CPE, corresponding member since 2016, full member since 2017
5. Chair of the Committee on Education and Training-European Federation for Clinical Chemistry and Laboratory Medicine

CONFERENCE ACTIVITIES

- 1st Croatian Congress of Medical Biochemistry, ZAGREB 1993 - member or organizing committee
- 8th Congress of Croatian Society of Medical Biochemistry and Laboratory Medicine, RIJEKA 2015 - member of scientific committee and lecturer
- 9th Congress of Croatian Society of Medical Biochemistry and Laboratory Medicine, ZAGREB 2018 - president of scientific committee
- EuroMedLab PARIS 2015 - member of ISAB
- EuroMedLab ATHENS 2017 - member of ISAB
- IFCC WorldLab DURBAN 2017 - member of ISAB
- EuroMedLab Barcelona 2019 - member of ISAB
- 30 conference poster abstracts and lectures

REVIEWER IN SCIENTIFIC JOURNALS

1. Molecular Biology Reports
2. International Journal of Osteoporosis and Metabolic Disorders
3. Biologia
4. Biochemia Medica
5. Macedonian Journal of Medical Sciences
6. Cardiovascular Pathology
7. Pediatria Croatica
8. Archives of Industrial Hygiene and Toxicology
9. Molecular Testing and Genetic Biomarkers
10. Public Health Nutrition

EDITORIAL EXPERIENCE

2. Biochemia Medica - Assistant Editor (2012-2017.)
3. Biochemia Medica - Editor-in-Chief (since 2017)


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
1. Molecular basis of hypercholesterolemia (1996-2002); 108201, chaired by Ana Stavljenić-Rukavina, PhD; Funding: Ministry of science, education and Health
2. Molecular basis of atherogenesis (2002-2006); 0108247, chaired by Ana Stavljenić-Rukavina, PhD; Funding: Ministry of science, education and Health
3. Molecular basis of atherogenesis (2007-2010);108-1080316-0298, chaired by Goran Ferenčak, PhD; Funding: Ministry of science, education and Health
5. Zagreb University grant “The effect of proopiomelanocortin and other peptides on the sperm quality in vitro” (2013-2014); chaired by Alenka Boban Blagaić, Ph.D
6. Zagreb University grant “ Characterization of gangliosides and neuroplastin potential as brain tumor markers” (2015), chaired by Željka Vukelić, Ph.D

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. Zagreb University grant “The effect of proopiomelanocortin and other peptides on the sperm quality in vitro” (2013-2014); chaired by Alenka Boban Blagač, Ph.D

2. Zagreb University grant “Characterization of gangliosides and neuroplastin potential as brain tumor markers” (2015), chaired by Željka Vukelić, Ph.D


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Leonardo Patrlj, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liver transplantation

BIOGRAPHY

Working experience:
1982-1987: physician, general practitioner
1987-1991: resident of general surgery (Clinical Hospital Merkur)
1991-1997: general surgeon at the Department of Abdominal Surgery (Clinical Hospital Merkur)
1997-2004: the Head of team for transplantation surgery (Clinical Hospital Merkur)
1998-2004: the Head of the Department of Abdominal and Transplantation Surgery (Clinical Hospital Merkur)
2004-2005: the vice-Head of Surgical Clinic Clinical Hospital Merkur
From 2005-2018: the Head of Surgical Clinic and the Department of Abdominal Surgery, Clinical Hospital Dubrava
From 2019: general and abdominal surgeon at University Hospital for Tumours, Department of oncological Surgery, Clinical Hospital Centre „Sisters of Mercy“
The Employer: Clinical University Hospital for Tumours, Department of oncological Surgery, Clinical Hospital Centre „Sisters of Mercy“
Working place: University Hospital for Tumours, Department of oncological Surgery, Clinical Hospital Centre „Sisters of Mercy“, 197 Ilica Street, 10 000 Zagreb, Croatia
Working position: the general and abdominal surgeon
The main activity: abdominal and general surgery

Education:
1990: Master of sciences
1997: PhD
2004: Assistant Professor at School of Medicine, University of Zagreb
2009: senior scientific associate
2009: Associate Professor at School of Medicine, University of Zagreb
2018: Professor at School of Medicine, University of Zagreb

The institution of education: School of Medicine, University of Zagreb
Scientific Title: Associate Professor at School of Medicine, scientific consultant

Practical training:
1992: postgraduate training in coloproctology, St. Mark’s Hospital, London
1992: postgraduate training in laparoscopic surgery, AKH, Beč
1997: postgraduate training in liver transplantation, L’Hopitaql Paul Brousse, Paris
1997: training in transplantation surgery, Chicago Memorial Hospital, USA
1998: postgraduate training in transplantation surgery
2000: postgraduate training in transplantation surgery, University Clinic of Bruxelles, Belgium
2005: postgraduate training in abdominal surgery, Washington Hospital Center, USA

Skills: laparoscopic surgery, oncological surgery, transplantation surgery

Languages: Croatian, English, Italian

Social skills and achievements:
The Award of City of Zagreb (2004)
The Certificate of the Croatian Medical Association Assembly (1999)
The Certificate of the Main Committee of Croatian Medical Association (2002)
Two Special Awards of the Croatian Medical Association

Organizing skills and achievements:
1998. He has performed the first liver transplantation in Croatia with long term survival
2003. He has performed the first simultaneous transplantation of kidney and pancreas with long term survival. Under his leadership his team performed more the 200 liver transplantations and 35 kidney transplantations with 1-year survival of more then 83%.
Since 1996. he has been teaching at graduate and postgraduate Study of medicine at the University of Zagreb.
He took part at the numerous Croatian and International congresses in digestive and transplantation surgery.
He organised a postgraduate course od "Benign anorectal diseases", Zagreb, 2012.
He organised the 1st Hepatobiliary and Pancreatic Surgery Congress in Dubrovnik, 2012.

Membership:
The president of Croatian Hepatobiliary and Pancreatic Surgery Association at Croatian Medical Association
The president of Croatian Organisation for promotion of Hepatobiliary and Pancreatic Surgery
The member of Croatian Academy of Medical Sciences
The member of European Gastrointestinal Surgeons` Community (IGSC)
The Member od of the Main Committee of European Academy of Surgical Sciences
The president of National Transplantation Committee
The member of Editorial Board of Acta Medica Croatica Journal
The member of Eurotransplant Main Committee (the Croatian representator)
The Member of the Main Committee of Croatian Surgical Association

Teaching:
Since 1996. he has been teaching at graduate and postgraduate Study of medicine at the University of Zagreb.

Courses:
- Surgery
- Liver transplantation
- Focal liver disease
- Acute abdominal pain
- Extrahospital management of politrauma

Lecturer at the postgraduate course "Surgery of colorectal carcinoma"
The Head lecturer at the postgraduate courses "Benign anorectal diseases" and "Liver transplantation"

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2019

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 5
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Martina Pauk, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Bone morphogenetic proteins in regeneration of bone and cartilage, Doctoral postgraduate study in the field of Biomedicine and public health

BIOGRAPHY
University of Zagreb, School of Medicine
Center for Translational and Clinical Research
Zagreb, Croatia
martina.pauk@mef.hr

EDUCATION
PhD, Biochemistry and Molecular Biology, December 2014.
Faculty of science, Department of Biology, University of Zagreb, Croatia
Faculty of science, Department of Biology, University of Zagreb, Croatia
Dissertation: „Sequencing of mitochondrial DNA control region of bottlenose dolphin Tursiops truncatus (Montagu, 1821) on genetic diversity of bottlenose dolphin (Tursiops truncatus)“

RESEARCH EXPERIENCE
Postdoctoral Researcher, March 2018 – Present, Laboratory for Mineralized Tissues, Center for translational and clinical research, School of Medicine, University of Zagreb, Croatia
• Studying specified features of BMP6 biology on regulation of serum iron to develop a novel therapy for anemia of chronic disease
• Investigating new functions of BMPs in modulating glucose metabolism
Postdoctoral Fellow, July 2017 – February 2018, Physical Education and Sport Sciences, University of Limerick, Limerick, Ireland
• Evaluated protein and protein derivatives bioactivity in skeletal myotubes by analyzing serum samples from human screening panels collected through human post-feeding ex-vivo
Postdoctoral Researcher, 2015 – 2017, Laboratory for Mineralized Tissues, Center for translational and clinical research, School of Medicine, University of Zagreb, Croatia
• Involved in bioanalytical method validations, pharmacokinetics of therapeutic proteins, analysis of clinical trials samples and stability studies by optimized C2C12-BRE-Luc cell bioassay
• Developed sensitive assays for protein detection including processes of production, purification and characterization of monoclonal antibodies to certain BMP isoforms

Research Assistant, 2009 –2015, Laboratory for Mineralized Tissues, Center for translational and clinical research, School of Medicine, University of Zagreb, Croatia
• Investigated iron regulation mechanisms of bone morphogenetic protein (BMP) pathway in tissue and plasma
Volunteer, April 2008 - September 2008, Department of Clinical Microbiology, University Hospital for Infectious Diseases "Dr Fran Mihaljevic", Zagreb, Croatia
• Molecular diagnostics of different types of bacteria in blood and cerebrospinal liquor and pneumococci serotyping

SKILLS and TECHNIQUES
RNA and DNA isolation, cDNA synthesis, PCR, primer construction, Mammalian cell culture, xCELLigence RTCA System, RNA silencing technique, Protein isolation, Protein gel electrophoresis, IgG purification, Western blotting, Immunoprecipitation, Immunohistochemistry, ELISA, Handling laboratory animals, Genotyping KO mice lines

TEACHING AND ADVISING EXPERIENCE
Teaching Assistant, School of Medicine, University of Zagreb, 2011 – 2014
• Postgraduate studies in the field of Bone morphogenetic proteins in bone and cartilage regeneration

FELLOWSHIPS AND AWARDS
New Investigator Award, 37th European Symposium on Calcified Tissues, 2010.

PROFESSIONAL ASSOCIATIONS
Croatian Calcified Tissue Society European Calcified Tissue Society

INVITED TALKS AND PRESENTATIONS

PUBLICATIONS


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 01.02.2015. Postdoctoral Researcher

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

2. EU Research and Innovation funding programme FP7 - „Novel Bone Morphogenetic Protein-6 Biocompatible Carrier Device for Bone Regeneration – OSTEOGROW“ (01.01.2012. – 31.12.2017.)
3. Croatian Science Foundation: „Newly discovered BMP1 circulating isoforms as biomarkers and therapeutic targets for human diseases“ (01.01.2016. - 31.12.2018.)
4. Croatian Science Foundation – „Development of novel antibodies (biologics) that will selectively inhibit hepcidin expression in the liver for the Treatment of Anemia of Chronic Disease“ (01.07.2017. - 30.06.2021.)

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

1. EU Research and Innovation funding programme FP7 - „Novel Bone Morphogenetic Protein-6 Biocompatible Carrier Device for Bone Regeneration – OSTEOGROW“ (01.01.2012. – 31.12.2017.)
2. Croatian Science Foundation: „Newly discovered BMP1 circulating isoforms as biomarkers and therapeutic targets for human diseases“ (01.01.2016. - 31.12.2018.)
3. Croatian Science Foundation: „Development of novel antibodies (biologics) that will selectively inhibit hepcidin expression in the liver for the Treatment of Anemia of Chronic Disease“ (01.07.2017. - 30.06.2021.)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Dinka Pavičić Baldani, Full Professor of Obstetrics & Gynecology, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb, Dpt of Obstetrics and Gynecology, Division for Gynecological Endocrinology and Reproductive Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Human Reproduction

BIOGRAPHY

EDUCATION

1985-1990 MD, University of Zagreb, School of Medicine
1990-1991 Internship, Clinic for Lung Diseases, State exam
1991-1993 Postgraduate Studies in Clinical Oncology PhD, University of Zagreb, School of Medicine Thesis: Papillomaviruses and Tumor Suppressor Genes in the Development of Cervical Intraepithelial Neoplasia
1993-1997 residency in Obstetrics and Gynecology, University Clinic for Women’s Diseases, Clinical Hospital Centre Zagreb, Croatia
1997-2000 Subspeciality in Reproductive Endocrinology and Infertility, University Clinic for Women’s Diseases, Clinical Hospital Centre, Zagreb, Croatia

ACADEMIC BACKGROUND

Academic
1987-1990 Student Demonstrator at the Department of Anatomy, School of Medicine, University of Zagreb
1990-1993 Research Fellow - Project of Croatian Academy of Science and Art with a job at the Clinic for Women’s Diseases
1998-2004 Assistant, Department of Obstetrics & Gynecology, School of Medicine, University of Zagreb
2004-2008 Senior Assistant, Department of Obstetrics & Gynecology, School of Medicine, University of Zagreb
2008-2012 Assistant Professor, Department of Obstetrics & Gynecology, School of Medicine, University of Zagreb
2012 Associated Professor, Department of Obstetrics & Gynecology, School of Medicine, University of Zagreb
2012 Clinical consultant
2018 Full Professor, Department of Obstetrics & Gynecology, School of Medicine, University of Zagreb
2018 Full member of Croatian Academy of Medical Sciences

Scientific
2006 – 2012 Senior Research Associate, Ministry of Science, Education and Sports of the Republic of Croatia
2013 - Scientific Adviser, Ministry of Science, Education and Sports of the Republic of Croatia
Administrative

2004 – present Faculty mentor to residents, Department of Obstetrics and Gynecology
2007 – present Head Course in Gynecology and Obstetrics, Medical School in English, University of Zagreb
2012 – present Coordinator of residents program in Gynecology and Obstetrics, Ministry of Science, Education and Sports of the Republic of Croatia

NATIONAL CREDENTIALING ACTIVITIES

Committees:

2013 – present President of Croatian Society for Human Reproduction and Gynecological Endocrinology, Croatian Medical Association
2014 – present Vice-president of Croatian Menopausal Society, Croatian Medical Association
2016 – present Board Member of Croatian Andrology Society, Croatian Medical Association
2016 – present Member of National Commission for Medically Assisted Conception (responsible for ART regulations) Croatian Ministry of Health
2016 – present Member of Central Ethical Committee of Agency for Medical Products and Medical Devices of Croatia (responsible for approval of Clinical studies in Croatia)
2016 – present Member of Ethical Committee of University of Zagreb, School of Medicine
2016 – present Chairman of the working group for drafting and supplementing the law on Medical assisted technology, Ministry of Health, Republic of Croatia
2018 – present Member of the Commission for Evaluation of Legislative Criteria and Experiences of EU States Relating to Abortion, Ministry of Health of the Republic of Croatia

Editorial Activities:

1985-1990 Editorial Board of scientific and professional journal „Medicinar“
1990 Editor in chief of scientific and professional journal „Medicinar“
1997-1999 Secretary of „Gynecologia et Perinatologia“.
2000 – present Editorial Board Gazette of Croatian Society for Human reproduction and Gynecological Endocrinology
2014 – present Editor for Human Reproduction and Gynecological Endocrinology, journal Gynecologia et Perinatologia

INTERNATIONAL COMMITTEES

2014 – present National representative in Board member in ESHRE
2015 – present Croatian representative in the Board of Mediterranean Society for Reproductive Medicine
2013 – present Croatian representative in the Board of The European Society for Contraception and Reproductive Health
GRANTS

1987-1990  Metabolic Bone Diseases, Foundation of Ministry of Science, Education and Sports of the Republic of Croatia, **Junior researcher**

1991-1993  Tumor Bank Formation, Foundation of Croatian Academy of Sciences and Arts and the Ministry of Science, Education and Sports of the Republic of Croatia, **Junior researcher**

2000-2007  Bone Mineral Density and Calcium Homeostasis during Pregnancy and Lactation, Foundation of Croatian Ministry of Science, Education and Sports of the Republic of Croatia, **Senior researcher**

2006 – 2014  Molecular Interactions in the Differentiation of Lymphocytes, Foundation of Croatian Ministry of Science, Education and Sports of the Republic of Croatia, **Senior researcher**

2006 – 2014  The Etiology and Pathogenesis of PCOS – Choice of Therapy and Metabolic Consequences, Foundation of Croatian Ministry of Science, Education and Sports of the Republic of Croatia, **Principal investigator**

2013 – 2017  FP-7-HEALTH-2013-INNOVATION-1, No:602587-2, « Development of Stem Cell Based Therapy for Thymi regeneration», Acronym: THYMISTEM, **Clinical consultant**

2013 - 2017  International Physician Cardiovascular Disease (CVD) Risk Factor Management Study (RSP/IRB 2008-3), **Senior researcher**

2013 – 2017  Analysis of folate metabolism biomarkers in the risk assessment for neural tube defects (ARRSRPOJJ/2011/1062), **Senior researcher**

2015 – present  Scientific centre for excellence for reproductive and regenerative medicine – Exploring new platforms and potentials, co-financed by the European Union through the European Regional Development Fund, contract No. 01.1.1.01.0008.

2016- present  Epigenetics in nonseminomatous testicular germ cell tumors. Croatian foundation for science - **Senior researcher**

2018- present  New frontiers in folate supplementation in obstetrics and gynecology. (NEFFS-OB-GYN), No J3-8207 (C) Slovenian Research Agency **Senior researcher**

HONORS and AWARDS

Award of Croatian Medical Association for the promotion of science, ethics and improvement of the health of Croatian population, 2017

Medical Academy award for the best published paper in field of clinical medical sciences, 2014

Award of the Rector of the University of Zagreb for the best student paper, 1987

Foundation „dr. Miljenko Jakupcevic“ for best student paper in the field of medical science

Chancellor’s Award for best student of the University of Zagreb

Foundation „Drago Perovic“ for best student of the Medical faculty

SERVICE

Membership in Professional Societies:

Croatian Medical Association

Croatian Medical Chamber
Croatian Society for Human Reproduction and Gynecologic Endocrinology
Croatian Society for Menopause
Croatian Society for Perinatal Medicine
Croatian Society for Osteoporosis
European Society for Human reproduction and Embriology (ESHRE).
American Society for Reproductive Medicine (ASRM)
European Society for Contraception and Reproductive Health (ESCHR)
Mediterranean Society for Reproductive Medicine (MSRM)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


14. Škrgatić L, Pavičić Baldani D, Karadža M, Ćorić M, Goluža T, Herman M. The effect of ulipristal acetat treatment on fibroid volume and quality of life among women of reproductive age. Gynecol Perinatol 2015; 24(4);139-

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2006 – 2014 The Etiology and Pathogenesis of PCOS – Choice of Therapy and Metabolic Consequences, Foundation of Croatian Ministry of Science, Education and Sports of the Republic of Croatia, Principal investigator


2013 - 2017 International Physician Cardiovascular Disease (CVD) Risk Factor Management Study (RSP/IRB 2008-3), Senior researcher

2013 – 2017 Analysis of folate metabolism biomarkers in the risk assessment for neural tube defects (ARRSRPOJJ/2011/1062), Senior researcher

2015 – present Scientific centre for excellence for reproductive and regenerative medicine – Exploring new platforms and potentials, co-financed by the European Union through the European Regional Developmet Fund, contract No. 01.1.1.01.0008.

2016- present Epigenetics in nonseminomatous testicular germ cell tumors. Croatian foundation for science - Senior researcher

2018- present New frontiers in folate supplementation in obstetrics and gynecology. (NEFFS-OB-GYN), No J3-8207 (C) Slovenian Research Agency Senior researcher

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

The Etiology and Pathogenesis of PCOS – Choice of Therapy and Metabolic Consequences, Foundation of Croatian Ministry of Science, Education and Sports of the Republic of Croatia, Principal investigator

Epigenetics in nonseminomatous testicular germ cell tumors. Croatian foundation for science - Senior researcher

New frontiers in folate supplementation in obstetrics and gynecology. (NEFFS-OB-GYN), No
J3-8207 (C) Slovenian Research Agency Senior Researcher

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant professor Tajana Pavić, MD, Phd.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Center "Sestre milosrdnice" Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Viral hepatitis

BIOGRAPHY

Name  TAJANA PAVIĆ
Adress  Vidikovac 41, 10000 Zagreb
Telephone  098 720 555
E-mail  tajana.pavic@gmail.com
Citizenship Croatian
Date of birth  14.5.1972.
Institution of employment  University Hospital Center "Sestre milosrdnice" Zagreb
Function  Head of Interventional Gastroenterology Unit
Field of work  Internal medicine, Gastroenterology, Clinical Nutrition

Education
1990-1996. Medical School, University of Zagreb
1997. ECFMG certificate
2005. residency in internal medicine
2008. subspecialisation in gastroenterology and hepatology
2012. the European ESPEN diploma in Clinical Nutrition and Metabolism

Work experience
1996. internship in general practice
1998-1999. research fellow in scientific project "HBV X protein – carcinogenesis and gene therapy"
1999-2005. residency in internal medicine, Clinical Hospital „Sestre milosrdnice“ Zagreb
2005 – present. attending in Department of gastroenterology and hepatology Clinical Hospital „Sestre milosrdnice“ Zagreb
2014 - present. Head of Interventional Gastroenterology Unit, Clinical Hospital Center „Sestre milosrdnice“ Zagreb

Field of expertise
• trained endoscopist with experience in urgent procedures;
• 15-year experience in transabdominal ultrasound
• 10-year experience in diagnostic and interventional endoscopic ultrasound (annually 500 procedures, 150 FNAs, EUS-guided drainage of pancreatic fluid collections with plastic stents and LAMS)
• certified expert in clinical nutrition

Educational Activities
2005 – present: lecturer in postgraduate course “Abdominal ultrasound”
2006 – present: lecturer at doctoral study Biomedicine and health, topic „Viral hepatitis“ and „Pancreatic diseases“ Zagreb School of medicine
2007- present: lecturer in postgraduate course „Gastrointestinal diseases in family medicine practice“
2008. lecturer at the 4th International Congress of the Croatian Society for ultrasound in medicine and biology, Zagreb
2009. lecturer at the 4th International Congress of the Croatian Society for Clinical citology, Split
2010-present. lecturer and demonstrator in the Adriatic EUS Workshop, Zagreb
2010. lecturer in the Symposium of the Croatian Society for parenteral and enteral nutrition, Marija Bistrica
2011. lecturer in the Symposium of the Croatian Society for clinical nutrition, Opatija
2011. lecturer in the 1st Congress of Clinical Nutrition of Bosnia and Herzegovina, Sarajevo
2011. lecturer in postgraduate course “Clinical nutrition”
2012. lecturer at the 19th ESPEN Course of Clinical Nutrition and Metabolic Care, Dubrovnik
2013. lecturer on the 4th Croatian congress of clinical nutrition, Zagreb
2013. lecturer on the 3rd Slovenian-Croatian Ultrasound Congress, Maribor
2014. lecturer in the postgraduate course „Pancreatic disease-current approach”, Split
2015. head researcher in the study „Prevalence of sarcopenia in institutions for elderly in Republic of Croatia“ under auspice of Croatian Society for Geriatrics and Gerontology
2016.-present lecturer on the Postgraduate Study General medicine, Zagreb School of medicine
2016. lecturer in the 6th Congress of physical and rehabilitation medicine, Šibenik
2016. lecturer in the IUPHAR GI Section Meeting 2016, Novigrad
2017. lecturer on the Postgraduate Study Gastroenterology, Zagreb School of medicine
2017. lecturer in the module Clinical nutrition Zagreb School of medicine
2017. lecturer in the 12th Adriatic Club of Clinical Nutrition, Antalya, Turkey
2017. lecturer on the 5th Croatian Congress on clinical nutrition, Zagreb
2017. lecturer on the 39th ESPEN Congres on clinical nutrition and metabolism, LLL module “Let’s talk about nutrition”, Hague
2018. lecturer on the 9th Congres of lectureres in family practice, Zagreb
2018. lecturer on the 4th Symposium of the Croatian Society for digestive surgery, Poreč
2018. organizer of the 1st Scientific symposium „Pancreatic fluid collections-therapeutic challange, Zagreb
2018. organizer of the workshop „Clinical nutrition in family practice“, Zagreb
2018. lecturer on the 40th ESPEN Congres on clinical nutrition and metabolism, LLL module “Let’s talk about nutrition”, Madrid
2018. lecturer on the 8th Congress of Croatian Gastroenterological Society, Split
2018. lecturer on the 1st European Conference of young Gastroenterologists, LLL modules “Approach to Oral and Enteral Nutrition” and “Nutritional Support in Gastrointestinal Diseases”

Thesis
„Effect of biliary obstruction on ghrelin, cholecystokinin, inflammatory markers and nutritional status“ Zagreb School of Medicine 2014.

Scientific position
Assistant Professor, Zagreb School of Medicine

Publications (total number of categories)
Scientific papers: 35
Abstracts: 38
Book chapters: 6
Teaching papers: 4

Reviewer in:
- European Journal of Gastroenterology and Hepatology
- Nutrition
- Acta Clinica Croatica

Assistant professor of Internal medicine Zagreb School of medicine

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2015. head researcher in the study „Prevalence of sarcopenia in institutions for elderly in Republic of Croatia“ under auspice of Croatian Society for Geriatrics and Gerontology

2015. researcher in the study "Body assessment in patients with rheumatoid arthritis - multicenter study in RH“ Croatian society for physical and rehabilitational medicine

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ivana Pavlić-Renar, MD, PhD, retired professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: retired

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Diabetes and pregnancy

BIOGRAPHY

Ivana Pavlic Renar obtained her MD (1977) and PhD (2000) degree at University of Zagreb Medical School and has been trained in internal medicine (certified in 1986) and endocrinology (certified in 2002) in affiliated teaching hospitals. Her research fellowship in endocrinology was at L Strelitz Institute, Norfolk, VA, USA, mentored by Dr A.I. Vinik (1991-3). Dr Pavlić Renar has become a faculty member of Zagreb Medical School in 1996, currently serving as associate professor. Her professional affiliation was at Vuk Vrholvac Diabetes Institute in Zagreb 1979 -2007, currently at Department of medicine – Endocrinology at Clinical Hospital Centre Zagreb. Most of her professional career is in the various fields in diabetology. She has been one of initiators and creators of Croatian diabetes registry (CroDiabNet). Dr Pavlić-Renar published around 100 papers (20 in CC listed journals), 32 chapters in books/monographs and one textbook on diabetes

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2011

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Goran Pavlíša, MD, PhD, Assistant professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected chapters in epileptology in developmental age

BIOGRAPHY


Zagreb Medical School graduated in 1997. and in 2008. finished PhD degree awarded with thesis “Characterization of intracranial tumors by diffusion-weighted magnetic resonance imaging and quantification of apparent diffusion coefficient”

2006-2008. – neuroradiology fellowship at University Hospital Center Zagreb, where he is currently employed as a neuroradiologist.

Education in University Hospital Center Zagreb, Grosshadern Munchen 2005. and in Royal Preston Hospital as part of Lancashire Teaching Hospitals UK in 2015.

Since 2016 Assistant professor of radiology at Zagreb Medical School.

Published 31 scientific papers, 24 indexed in CC, with 207 independent citations.

Vice president of Section for neuroradiology of Croatian radiological society.

Reviewer for CC journals.

Member of scientific board of Neurologia Croatica journal.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

„The role of subcortical structures in the epileptogenesis of developmental age“, project leader Nina Barisic, MD, PhD, Professor of pediatric medicine

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

0

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Hrvoje Ivan Pećina, MD, PhD, primarius, specialist of radiology and subspecialist of neuroradiology

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Diagnostic and Interventional Radiology in KBC “Sestre milosrdnice” in Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Surgical treatment of tumours of hypophysis

BIOGRAPHY

Hrvoje Ivan Pećina, MD, PhD, was born in Zagreb in 1969. He graduated from Zagreb University School of Medicine in 1996 and finished his residency in radiology in 2004. In 2008, he became subspecialist in neuroradiology. He finished PhD study “Biomedicine and Health” at the School of Medicine University of Zagreb in 2005. He defended PhD thesis in June 12, 2013.

He works at the Department of Diagnostic and Interventional Radiology in KBC “Sestre milosrdnice” in Zagreb since 2000.

Hrvoje Ivan Pećina has visited and professionally improved his skills in several radiological departments in Croatia and abroad. It should be emphasized that he spent 2 months in the Department of Radiology at Medical University South Carolina, Charleston, USA during 2006.

He has published 37 articles; 19 in CC and SCI indexed journals; and 27 chapters in books.; 21 abstracts in international and 36 in domestic congresses and symposiums. He received the award for the scientific poster at the World SICOT/SIROT Congress in Istanbul in 2005. He is a researcher on the scientific project granted by Ministry of Science and Education of the Republic of Croatia (No: 6625) and his registration number as researcher is 340632.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


The role of Wnt signalling in epithelo-mesenchymal transition WNT4EMT (6625)

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

The role of Wnt signalling in epithelo-mesenchymal transition WNT4EMT (6625)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. dr. sc. Nives Pećina-Šlaus

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Medicinski fakultet Sveučilišta u Zagrebu

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Genome Instability

BIOGRAPHY

Nives Pecina-Slaus is tenured professor at the Department of biology and Head of the Laboratory of Neuro-oncology Croatian Institute for Brain Research School of Medicine University of Zagreb. She has received her B.S. in 1990. her MS in 1992. from the University of Zagreb, Faculty of Math and Sciences, and PhD in the field of molecular oncology in 1998. from School of Medicine University of Zagreb. She was trained at Cold Spring Harbor Laboratory, New York, USA in 1990; Georgetown University, Washington DC, USA. In 2005. she was elected Senior Investigator (scientific rank of full professor), in 2007. associate professor, in 2011. full professor and in 2017. tenured professor at the Department of Biology, School of Medicine. She was mentor on numerous theses, altogether 13 defended theses of which 4 dissertations. Her main fields of research are cancer genetics, Wnt signaling pathway, brain tumorigenesis, tumor suppressor genes, oncogenes, genetic profiles of brain tumors, genomic instability, epithelial to mesenchymal transition. She was granted and was/is leading as principal investigator six scientific projects and was a collaborator on international project FP7–REGPOT GlowBrain, and is researcher on ZCI-CoRE – Neuro. Her research has led to more than 100 publications - 63 scientific papers, a book, 70 abstracts, 23 invited lectures. She was cited 741 times on Web of Science (H indeks 15), 844 on Scopus (H indeks 16) and 1313 on Google Scholar, (H indeks 19). She acts as a reviewer for Ministry of Science, Education and Sports Croatia, for Slovenian Research Agency (ARRS) for National council for university education, HAZU and many scientific peer-reviewed journals. She was elected as editor for scientific journal Frontiers in Bioscience and is a member on editorial boards of Acta Clinica Croatica, Cancer Cell International and Croatian Medical Journal (2011.-2016). She is the leader of 4 doctoral and 1 graduate courses. She is a member of Croatian Society of Human Genetics, Croatian Medical Association, Croatian Biological Society, European Society for Human Genetics, European Association for Cancer Research, Croatian Society for Neuroscience, Odbor za neuroznanost i bolesti mozga Razred za medicinske znanosti HAZU, Odbora za apoptozu Akademije Medicinskih znanosti Hrvatske. She was awarded several scientific awards; from Croatian Medical Association and Academy of Medical Sciences for best paper in basic medical research for young scientist (2000), in 2011. National Scientific Award and School of Medicine Award for exceptional publication activity.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


37. Pećina-Šlaus N, Nikuševa Martić T, Zeljko M, Bulat S. Brain Tumor Pathol. 28; 223-228, 2011.


https://doi.org/10.1155/2017/9253495 IF 2.348, Q2.

58. Pećina-Šlaus N, Bukovac A, Salamon I, Kafka A. Cancer Hypotheses 2017 1, 6, 1-16


1. Author of the postgraduate textbook

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


15. Pećina-Šlaus N, Bukovac A, Salamon I, Kafka A. Microsatellite instability as a driving force for cancer progression. Cancer Hypotheses 2017 1, 6, 1-16


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


4. Researcher on international project FP7–REGPOT GlowBrain, MEF

5. Researcher on ZCI-Neuro, European Union European Regional Development Fund, Operational Programme Competitiveness and Cohesion, grant agreement no. KK.01.1.1.01.0007, CoRE – Neuro”.

6. Researcher on project Potpora UNIZG2014 Wnt signalizacija u placentaciji i tumorigenezi (šifra potpore BM2.16).

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

mentor of 4 defended disseratations, 3 masters theses, 11 graduation theses i 6 awarded student papers.
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mihaela Perić, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Bone morphogenetic proteins in regeneration of bone and cartilage

BIOGRAPHY
PROFESSIONAL EXPERIENCE:
2009 - Research associate, Center for translational and clinical research, University of Zagreb School of Medicine (UZSM)
2006-2008 - Project leader, project New antimalarial macrolides, performed in collaboration with Walter Read Army Institute of Research, Washington D.C. and Medicines for Malaria Venture, Geneva, Switzerland
2001-2002 - Internship in the research laboratory of Dr. Peter C. Appelbaum Professor of Pathology and Director of Clinical Microbiology at The Milton S. Hershey Medical Center, Penn State College of Medicine (1 year), training in molecular epidemiology, molecular biology and clinical microbiology
1999 -2006 - Researcher microbiologist, PLIVA R&D, Zagreb. Actively involved in microbiology, biochemistry and molecular biology research for the purpose of developing new anti-infective and anti-inflammatory agents
1998 - Assistant, Laboratory for plan tissue culture, University of Zagreb, Faculty of Science Science (UZFS) and Laboratory for plant molecular biology, Ruđer Bošković Institute, Zagreb.

EDUCATION
1992-1997 Undergraduate studies, University of Zagreb, Faculty of Science (UZFS)
1999-2006 Graduate school with major in molecular and cell biology, UZFS, Ph. D. thesis entitled “Influence of efflux and ribosomal mutations on Haemophilus influenzae sensitivity to macrolide antibiotics”

SCHOLARSHIPS AND AWARDS
1995 - Plant tissue culture training (one month), Forest University, Sofia, Bulgaria
1997 - Practical course in Transformation Methods in Transgenic Plants (two weeks), Brazilia, Brazil
2007 - GSK - Silver Science Award
2011 - Award for scientific productivity – UZSM

TEACHING
2011 - „Biologically active components in food“, UZSM
2014 - „P4 in medicine“, UZSM

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2009

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


DNA extraction and next generation sequencing technologies. Sci Rep. 2018. DOI: 10.1038/s41598-018-23296-4

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
H2020 OSTEOproSPINE (2018-2022), Work package leader for 2 Work packages
Center of Excellence for Reproductive and Regenerative (2014-2022), researcher
FP7 OSTEOGROW (2012-2017), Work package leader

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
H2020 OSTEOproSPINE (2018-2022), Work package leader for 2 Work packages
Center of Excellence for Reproductive and Regenerative (2014-2022), researcher
HRZZ projekt MinuteforIBD (2014-2018) – researcher
COST action (CM1307) ”Targeted chemotherapy towards diseases caused by endoparasites” (2013-2017), Management Committee Member representing Croatia
FP7 OSTEOGROW (2012-2017), Work package leader
PoC POC_4_01_12 (2012-2013) New intervention procedure by introducing new technology for improving heart function after miokard infarction, leader of scientific activities, administrative affairs and reporting
University of Zagreb incentives (2013-2018) – project leader, new chemical entities testing, investigation of anaerobic bacteria, research of IBD and potential new biomarkers

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Zdravko Petanjek, Full Professor, Tenured

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Fetal and Neonatal Neurophysiology, Fetal Behavior; Selected chapters in epileptology in developmental age; Human developmental neurobiology; Synaptic plasticity and mind

BIOGRAPHY

School of Medicine (employed since 1992) Participated in 20 research projects (head in 6). Maintained more than 20,000 teaching hours on courses related with Anatomy, Neuroscience, Biological psychology, Neurology and Psychiatry: participating in 20 graduate (head in 12) and 16 (head in 7) PhD courses. Author of 2 textbook manuals, 3 teaching articles, 1 chapter in textbook, translator of 2 textbooks and 3 chapters in textbooks.

General research interest is to assess organization of cortical circuitry via a multidisciplinary approach (including functional neuroanatomy - from proteins in specific cell types to fiber tracts in the human brain, electrophysiology - from single channel activity to global activity in the human brain, as well as using imaging, behavior, psychometric and theoretical approach) in human and animal models.

Specific main interest is systematic quantitative research of (a) adult and developmental morphological (re)organization of pyramidal neurons in human prefrontal cortex, and (b) immunohistochemical studies about organization and origin of primate cortical calretinin GABAergic neurons.

Other specific interest is research of (c) circuitry reorganization in human cortical pathology, in experimental animal model, genetically manipulated animals and animals raised under different environmental influence, as well as (d) comparative analysis of neuron morphology in various mammalian species.

Experience in laboratory techniques: classical neuroanatomical methods (Golgi), immuno-histochemistry and in situ hybridization. Trained for confocal microscopy analysis, high expertise in the field of quantitative microscopy (morphometry and stereology), including topologic analysis and statistical evaluation of data. Expert in techniques of human brain dissection, and experienced for the human gross anatomical dissection.

Administrative and organizational experience (e.g. organization of national and international meetings, public awareness events, responsibilities as officer of societies, committees etc.)

Member of organizing committee of 2 FENS/IBRO summer schools (head of practical course), 7 international neuroscience and anatomy meetings and 12 Brain awareness weeks. Guest editor for two issues of CC journal.

Member of the 10 committees (currently in 7) at the School of Medicine, Member of Faculty Council (1992-1994, 2004-2008, 2013-present), Deputy member of Biomedical Council from University of Zagreb Senate (2005-present), Member of Interdisciplinary Scientific Field Committee, Agency for Science and Higher Education (2013-present).

2002-2006. Secretary, Croatian Society of Anatomist, Histologist and Embryologist;

Provided more than 50 public lectures, more than 30 scientific interviews for newspapers and radio stations, participated in more than 20 scientific broadcasts on National TV channels. Co-worker and participant in 5 scientific educational documentaries on Croatian National TV.
Performed over 100 reviews for scientific journals (Cerebral Cortex, J. of Anatomy, PNAS USA).


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Head:

2006-2013: “Migration routes of hippocampal GABAergic neurons in monkey and man.” Ministry of Science Education and Sport (MZOS-108-1081870-1932), Croatia.

Participant (main collaborator):

2007-2010: UKF project „Neuroimaging, neurogenomics and pharmacogenomics of the frontal lobe connectivity: normal development and abnormalities in developmental cognitive disorders” (P.I. dr. l. Kostović)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Head:

01.07.2014-30.06.2018: Croatian Science Foundation - HRZZ project “Microcircuitry of higher cognitive functions.” (HRZZ-5943)

Participant (main collaborator):

2013-2016: Zaklada Adris – HIMRICO (P.I. N. Jovanov Milošević)

01.12.2012-30.11.2015: Croatian Science Foundation - HRZZ project: Transcriptome development in human cortical neurons important for language and mirror network. (P.I. M. Judaš)
NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Jelka Petrak, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: retired

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, methodology and functioning of scientific work 1 ; Telemedicine

BIOGRAPHY

Academic Degrees:
1970: School of Economics in Tourism, Dubrovnik, Croatia
1977: B.A., University of Zagreb, Faculty of Philosophy, Zagreb
1992: M.S., University of Zagreb, Croatia
1998: Ph.D., University of Zagreb, Croatia

Professional Experience:
1980-2014 in Central Medical Library;

Teaching Experience:
Principles of Research in Medicine, an obligatory for 5th year students at Zagreb University School of Medicine, since 1995;
Searching for Best Evidence, an elective for the 3rd year students at Zagreb University School of Medicine, since 2006;
How to Write, Publish and Communicate Research Results , 3rd year students at Faculty of Electrical Engineering, Zagreb University

Positions Held:
1982-1989: Serials Department Head, Central Medical Library
1989-2014: Head of the Central Medical Library,

Publications: 37 articles (13 CC journals), 10 book chapters
Citations: 96, 7 h-index (WoS CC)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: Oct. 11, 2011

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
Vrkić, Dina; Škorić, Lea; Petrak, Jelka. Altmetrics of papers from scientific periphery reflect global trends: A case study of publications by Zagreb University School of Medicine. // Journal of academic librarianship. 43 (2017) , 6; 479-486
Škorić, Lea; Petrak, Jelka. Hrvatski medicinski časopisi i standardi dobre uređivačke prakse: analiza uputa autorima. // Liječnički vjesnik : glasilo Hrvatskoga liječničkog zbor. 139 (2017) , 7-8; 204-210

Škorić, Lea; Vrkić, Dina; Petrak, Jelka. Current state of open access to journal publications from the University of Zagreb School of Medicine. // Croatian medical journal. 57 (2016) , 1; 71-76

Šember, Marijan; Petrak, Jelka. Radovi doktorskih kandidata s Medicinskog fakulteta Sveučilišta u Zagrebu u hrvatskim časopisima. // Liječnički vjesnik. 136 (2014) , 1-2; 18-21

Franić, Miljenko; Dokuzović, Stjepan; Petrak, Jelka. Sustavni pregled – podloga medicini utemeljenoj na znanstvenim spoznajama. // Časopis za primijenjene zdravstvene znanosti. 2 (2016) , 2; 113-120


Šember, Marijan; Utrobičić, Ana; Petrak, Jelka. Croatian Medical Journal citation score in Web of Science, Scopus, and Google Scholar. // Croatian Medical Journal. 51 (2010) , 2; 99-103

Petrak, Jelka; Šember, Marijan; Granić, Davorka. Procjena publicističke produktivnosti Klinike za unutrašnje bolesti Medicinskog fakulteta i Kliničkog bolničkog centra Zagreb. // Liječnički vjesnik : glasilo Hrvatskoga liječničkog zbor. 134 (2012) , 3-4; 69-74


Stojanovski, Jadranka; Petrak, Jelka; Macan, Bojan. The Croatian national open access journal platform. // Learned Publishing. 22 (2009) , 4; 263-273


Klijaković-Gašpić, Marko; Petrak, Jelka; Rudan, Igor; Biloglav, Zrinka. For free or for fee? Dilemma of small scientific journals. // Croatian Medical Journal. 48 (2007) , 3; 292-299

Pulišelić, Lea; Petrak, Jelka. Is it enough to change the language? A case study of Croatian biomedical journals. // Learned publishing. 19 (2006) , 4; 299-306

Petrak, Jelka; Božikov, Jadranka.Journal publications from Zagreb University Medical School in 1995-1999.. // Croatian medical journal. 44 (2003) , 6; 681-689

Mišak, Aleksandra; Petrak, Jelka; Pečina, Marko. Scientific biomedical journals in Croatia. // Croatian medical journal. 43 (2002) , 1; 8-15

Bekavac, Anamarija; Petrak, Jelka; Buneta, Zoran. Citation behavior and place of publication in the authors from the scientific periphery: A matter of quality?. // Information processing & management. 30 (1994) , 1; 33-42

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Vrkić, Dina; Škorić, Lea; Petrak, Jelka. Altmetrics of papers from scientific periphery reflect global trends: A case study of publications by Zagreb University School of Medicine. // Journal of academic librarianship. 43 (2017) , 6; 479-486

Šember, Marijan; Škorić, Lea; Petrak, Jelka. Current impact of ceased journals: are they still alive?. // MALAYSIAN JOURNAL OF LIBRARY & INFORMATION SCIENCE. 22 (2017) , 1; 15-27
Škorić, Lea; Petrak, Jelka. Hrvatski medicinski časopisi i standardi dobre uređivačke prakse: analiza uputa autorima. // Liječnički vjesnik : glasilo Hrvatskoga liječničkog zbora. 139 (2017) , 7-8; 204-210

Škorić, Lea; Vrkić, Dina; Petrak, Jelka. Current state of open access to journal publications from the University of Zagreb School of Medicine. // Croatian medical journal. 57 (2016) , 1; 71-76

Franić, Miljenko; Dokuzović, Stjepan; Petrak, Jelka. Sustavni pregled – podloga medicini utemeljenoj na znanstvenim spoznajama. // Časopis za primijenjene zdravstvene znanosti. 2 (2016) , 2; 113-120


Šember, Marijan; Petrak, Jelka. Radovi doktorskih kandidata s Medicinskog fakulteta Sveučilišta u Zagrebu u hrvatskim časopisima. // Liječnički vjesnik. 136 (2014) , 1-2; 18-21

Book chapter:


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Indikatori znanosti i društvene promjene (Research indicators and social changes), 1990-1992 (collaborator)

Procjena učinka medicinskoga časopisa na hrvatsku medicinsku zajednicu (Assessment of impact of a medical journal on the Croatian medical community), 2002-2004 (collaborator)

Prijenos znanstveno utemeljenih medicinskih dokaza u kliničku praksu (Transfer of evidence from research to practice), 2007-2011 (leader)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ratimir Petrović, MD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Medical image analysis

BIOGRAPHY

Personal data: born in Zagreb, 23. X. 1957.
Clinical Hospital Center Zagreb
Nuclear Medicine and Radiation Protection Clinic
Rebro - Kišpatičeva 12, Zagreb
tel. 01/2333850
Biography and qualification list:
1. 2103 - to date - Head of Department of Nuclear Medicine at the Faculty of Medicine of Rijeka
2. 2009.-to-present - PhD in progress (title of protected and approved topics - "Changes in regional cerebral flow in patients with PTSD")
In 1993 he passed the Specialist Exam from Nuclear Medicine
5. In 1984. he passed a professional exam
6th 1976th-1982nd studied medicine at the Faculty of Medicine in Zagreb, graduated in 1982.
7th 1972nd to 1976th completed high school in Zagreb
8th 1964th to 1972nd finished elementary school in Zagreb
Professional experience:
1st 1,982th to 1,983th internship at the Psychiatric Hospital "Sveti Ivan", Jankomir
2nd 1,983th to 1,984th a secondary physician at the General Hospital "Bračak", DZ Zabok
3rd 1985th to 1988th a general practitioner at the Emergency Medical Service in Zagreb
4th 1989th to 1993rd Nuclear Medicine Specialist at the Clinical Institute for Nuclear Medicine and Radiation Protection, KBC Zagreb, Zagreb
5. 1993- to date a nuclear medicine specialist at the Clinical Institute for Nuclear Medicine and Radiation Protection, KBC Zagreb, Zagreb
6. Member of the Croatian Medical Association
7. Member of the Croatian Society for Nuclear Medicine
8. Member of the European Society for Nuclear Medicine
9. Member of the Croatian Association for the Application of Ultrasound in Nuclear Medicine
Participation in classes
1. Lecturer in the Elective subject "Physical Fluids and Edema" of the Medical Faculty in Zagreb
2. Lecturer on the methodological subject "Methods of Psychological Function and Behavioral Examination" in the field of Biomedicine and Health Sciences Postgraduate Study
3. Lecturer on the subject "Establishing Diagnosis of Brain Death and Support to Explosion of Solid Organs". Scientific Postgraduate Study in Biomedicine and Health
4. Lecturer on the subject "Neurobiology of Aging" in the field of Biomedicine and Health in Postgraduate Studies
Work area:
Total Nuclear Medicine Diagnosis with Special Focus on Functional Nuclear Medicine ("Neuroimaging")
New Nuclear Disease Diagnostic Searches Introduced:
1. Single-photon emission computerized tomography (SPECT) of the dopamine system with I-123 ioflupane (DaTSCAN) - 123I-FP-CIT (DaTSCAN, 123I-iodoflupane) is a radiopharmaceutical used to diagnose Parkinson's disease and distinguish Parkinson's syndrome from essential tremor. This iodine-tagged ligand binds to dopamine protein transporter on presynaptic nigrostriatal endings of the nerve and serves to evaluate dopaminergic activity, integrity and/or degenerative changes.
2. Scintigraphy of sympathetic myocardial infarction with I-131 MIBG in Parkinsonism patients
Participation in cogsists, courses and symposiums as invited lecturers (partial list):

Contribution to Nuclear-Medical Functional Imaging of the Brain in Cognitive Disorders Diagnosis (SPECT, PET) - Clinically Oriented View

First Croatian Congress "Dilemma in Neurology 2008" (organized by Neurology Clinic in Zagreb and Croatian Neurological Society), Opatija 2008

SPECT brain in differential diagnosis of cognitive disorders

V. CROATIAN NEUROLOUS CONGRESS with international participation, Vukovar 2009.

Functional Nuclear Medical Imaging of the Brain in Diagnosis of Dementia (SPECT, PET)

Recognition, Diagnosis and Dementia Treatment (Continuing Education Course organized by the Neurology Clinic at the Faculty of Medicine in Zagreb and Croatian Neurological Society) - Zagreb, January 2009

Seeing is believing - Brain SPECT Imaging in Dementias

6th International Alpe Adria Symposium - Portschach, Austria, May 2009

Dosage of scintigraphic methods of brain analysis in pediatrics

"Healing Metabolic Diseases 2009" (Main Subject "Central Nervous System") - October 16, 2009

(Postgraduate Course in Continuing Medical Education I Category)

Nuclear medicine in the brain

FUNCTIONAL DIAGNOSTICS OF DRIVE PORTRAIT; postgraduate course for continuing education of category I; Zagreb, 3.12.2009.

Functional depiction of dopamine synapse in nuclear medicine

FUNCTIONAL DIAGNOSTICS OF DRIVE PORTRAIT; postgraduate course for continuing education of category I; Zagreb, 3.12.2009.

How and How Early Functional (SPECT and PET) Dementia Diagnosis Helps Us

Section - Cognitive Neurology - Clinical Needs and Economic Justifiability

Second Croatian Congress "Dilemma in neurology 2010" with international participation, Novigrad 2010

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2. Dobrenić M; Huić D; Žuvić M; Grošev D; Petrović R; Samardžić T. Usefulness of low iodine diet in managing patients with differentiated thyroid cancer - initial results. Radiotherapy and oncology. 45 (2011), 3; 189-195


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Nela Pivac, PhD, senior scientist, re-elected

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Rudjer Boskovic Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected animal models of psychiatric disorders; Genomic approaches in biomedical and translational research

BIOGRAPHY


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: November 29, 2017, full professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


October 1st, 2017- January 1st, 2018. winner of the MTA DISTINGUISHED GUEST SCIENTISTS FELLOWSHIP PROGRAMME IN HUNGARY, Budapest, Hungary, Institute for Experimental Medicine

2017-2021; collaborator: offset project CRO_A-00033 "Technology & Know-how Transfer in Metabolomics and Establishment of Latest Scientific Equipment in Zagreb", financed by Patria, Finland, PI Neven Žarković

2016-2017; collaborator: „Differential scanning calorimetry based diagnostics of Alzheimer’s type dementia”; The Croatian Agency for SMEs, Innovation and Investments (HAMAG-BICRO), PI Ivo Crnolatac

2016 PI: Rudjer Boskovic Institute Award for the competitive international project 2016-PIVAC

2016-2020 PI: Croatian Science Foundation: Young researchers’ career development project – training of new doctoral students: for PhD student Lucija Tudor

2015-2019 PI: „Genomic and glycomic biomarkers of PTSD“, Croatian Science Foundation

2015-2017 collaborator on the project „The influence of religiosity on treatment response in depression: clinical and biological markers, PI Marine Šagud; funding source: School of Medicine University of Zagreb

2014-2017 collaborator on the project „Indicators of therapeutic response in schizophrenia”; PI Marina Šagud; funding source: School of Medicine University of Zagreb


2014-2016: „The role of 5-HT6 receptors in Alzheimer’s disease” (funding source: Croatian Ministry of Science, Education and Sports; PIs: Suzana Uzun and Zvezdan Pirtovsek); Croatian-Slovenian bilateral project

2014-2017: „The association between stress, genetic variants of the catechol-O-methyltransferase (COMT) and mu opioid receptor gene (OPRM1) polymorphisms and tobacco smoking in patients with schizophrenia.”; CRO-USA collaborative project among University of Michigan – USA, Rudjer Boskovic Institute, Croatia and University Psychiatric Hospital Vrapce, Zagreb, Croatia (PIs: Nela Pivac and Edward F Domino)

2011-2014; collaborator on the project: „Detection and tracking of biological markers for early therapeutic intervention in sporadic Alzheimer’s disease“, supported by the Croatian Science Foundation (PI: Goran Šimić)
2011-2015; member of the COST project „Structure-based drug design for diagnosis and treatment of neurological diseases: dissecting and modulating complex function in the monoaminergic systems of the brain”, Action CM1103; PI: Rona Ramsay

2007 – 2014: PI: „Molecular basis and treatment of psychiatric and stress related disorders“ supported by the Croatian Ministry of Science, Education and Sport, grant No 098-0982522-2455

2007 – 2014: collaborator on: „Pharmacogenomics and proteomics of serotonergic and catecholaminergic system“ supported by the Croatian Ministry of Science, Education and Sport, grant No 098-0982522-2457 (PI: Dorotea Muck-Seler)

2010-2008; PI: bilateral Croatian-Slovenian project: „Genetic factors as markers of suicide“

2010-2008: collaborator on the project and the member of the Coordination Committee of the project Integrating and strengthening genomic research in South-Eastern Europe (INTEGERS), FP7-REGPOT-2007-1 (PI: Fran Borovečki)

2007-2008; collaborator on the bilateral Croatian-Slovenian project: „Frontotemporal dementia and motor neuron disease“ (PI: Rajka Liščić)

2006-2001: project advisor: ” Biological basis of mental disorders“ supported by Croatian Ministry of Science, Education and Sport, grant No 10 (PI: Miro Jakovljević).

2006-2003; technological project advisor: “Integrative diagnostic model for the follow-up of stress related disorders” supported by Croatian Ministry of Science, Education and Sport, grant No TP-01/01201 0 (PI: Dragica Kozarić-Kovačić).

2006-2002: collaborator: “Neuropharmacology of serotonergic system “ supported by the Croatian Ministry of Science, grant No 0098088 (PI: Dorotea Muck-Seler)

2003-2000: collaborator: “The effect of TMAZ on serotonergic receptors” supported by the Croatian Ministry of Science, grant No 00981499. (PI: Dorotea Muck-Seler)


2001-1996: collaborator on the project: “Neuropharmacology of GABA and 5-HT system” in the Program of Croatian Brain Research Institute, Medical School, University of Zagreb (PI Danko Peričić).

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


October 1st, 2017- January 1st, 2018. winner of the MTA DISTINGUISHED GUEST SCIENTISTS FELLOWSHIP PROGRAMME IN HUNGARY, Budapest, Hungary, Institute for Experimental Medicine

2017-2021; collaborator: offset project CRO_A-00033 "Technology & Know-how Transfer in Metabolomics and Establishment of Latest Scientific Equipment in Zagreb", financed by Patria, Finland, PI Neven Žarković

2016-2017; collaborator: „Differential scanning calorimetry based diagnostics of Alzheimer’s type dementia“; The Croatian Agency for SMEs, Innovation and Investments (HAMAG-BICRO), PI Ivo Crnolatac

2016 PI: Rudjer Boskovic Institute Award for the competitive international project 2016-PIVAC
2016-2020 PI: Croatian Science Foundation: Young researchers' career development project – training of new doctoral students: for PhD student Lucija Tudor 

2015-2019 PI: „Genomic and glycomic biomarkers of PTSD”, Croatian Science Foundation 

2015-2017 collaborator on the project „The influence of religiosity on treatment response in depression: clinical and biological markers, PI Marine Šagud; funding source: School of Medicine University of Zagreb 

2014-2017 collaborator on the project „Indicators of therapeutic response in schizophrenia”; PI Marina Šagud; funding source: School of Medicine University of Zagreb 


2014-2016: „The role of 5-HT6 receptors in Alzheimer’s disease” (funding source: Croatian Ministry of Science, Education and Sports; PIs: Suzana Uzun and Zvezdan Pirtovsek); Croatian-Slovenian bilateral project 

2014-2017: „The association between stress, genetic variants of the catechol-O-methyltransferase (COMT) and mu opioid receptor gene (OPRM1) polymorphisms and tobacco smoking in patients with schizophrenia.”; CRO-USA collaborative project among University of Michigan – USA, Rudjer Boskovic Institute, Croatia and University Psychiatric Hospital Vrapce, Zagreb, Croatia (PIs: Nela Pivac and Edward F Domino) 

2011-2014; collaborator on the project: „Detection and tracking of biological markers for early therapeutic intervention in sporadic Alzheimer’s disease“, supported by the Croatian Science Fundation (PI:Goran Šimić) 

2011-2015; member of the COST project „Structure-based drug design for diagnosis and treatment of neurological diseases: dissecting and modulating complex function in the monoaminergic systems of the brain”, Action CM1103; PI: Rona Ramsay 

2007 – 2014: PI: „Molecular basis and treatment of psychiatric and stress related disorders“ supported by the Croatian Ministry of Science, Education and Sport, grant No 098-0982522-2455 

2007 – 2014: collaborator on: „Pharmacogenomics and proteomics of serotonergic and catecholaminergic system“ supported by the Croatian Ministry of Science, Education and Sport, grant No 098-0982522-2457 (PI: Dorotea Muck-Seler) 

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE** 

6 

Zrnka Kovačić: Serotonin transporter gene promoter polymorphism in patients with posttraumatic stress disorder, School of Medicine University of Zagreb, supervisors Neven Henigsberg and Nela Pivac; PhD defended on December 21st, 2010. 

Gordana Nedić Erjavec: Monoamine oxidase type B, catechol-O-methyltransferase, dopamine beta-hydroxylase and dopamine receptor D4 in alcoholism and alcohol-related phenotypes. Josip Juraj Strossmayer University of Osijek, University of Dubrovnik, Rudjer Bošković Institute, University Postgraduate Interdisciplinary Doctoral Study of Molecular biosciences, supervisor Nela Pivac; PhD defended on April 15, 2013. 

Antonija Puljić: The impact of the disrupted monoamine homeostasis on lipid metabolism, activity of the monoamine oxidase type B and serotonin concentration in platelets, Faculty of Sciences, University of Zagreb, supervisors Darko Marčinko and Nela Pivac, PhD defended on on October 31, 2014.
Matea Nikolac Perković: The role of brain derived neurotrophic factor in dementia, Josip Juraj Strossmayer University of Osijek, University of Dubrovnik, Ruđer Bošković Institute, University Postgraduate Interdisciplinary Doctoral Study of Molecular biosciences, supervisor Nela Pivac, PhD defended on May 21, 2015.

Aleksandra Šustar: The role of BDNF in the development of coronary heart disease in obese subjects. Faculty of Natural Sciences University of Zagreb, supervisor Nela Pivac, PhD defended on June 10, 2015.

Marijana Turčić: Distribution of the brain derived neurotrophic factor (BDNF) genotypes and serum level of N-glycans as predictors of overweight in children. School of Medicine University of Zagreb, supervisors Fran Borovecki and Nela Pivac; PhD defended on October 2, 2015.

Josip Podobnik: The association of the catechol-O-methyltransferase and monoamine oxidase type B gene polymorphisms and platelet monoamine oxidase type B activity with aggressive behavior and psychopathological characteristics in adolescents in correctional institutions, School of Medicine University of Zagreb, supervisors Nela Pivac and Darko Marčinko; PhD defended on November 11, 2017.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: primarijus Sanja Poduje

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: KBC Sestre milosrdnice

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Telemedicine

BIOGRAPHY

Education:
1988-1994 - University of Zagreb Faculty of Medicine ; 1995-1997 - Internship, Zagreb University Hospital Center ; 2000-2005 - Specialisation in dermatology, Sestre milosrdnice University Hospital Center ; 2000-2005 - Specialist postgraduate studies in dermatovenereology
2013- present - Postgraduate doctoral studies in dental medicine, University of Zagreb School of Dental Medicine
2016 - Title of Primarius acquired
2018. Subspecialisation from dermatooncology

ADDITIONAL EDUCATION:
1993 - Student exchange programme, Medical Centre Rennes, France; 1996. postgraduate education at the Department of Obstetrics, Royal Free Hospital, London, UK
2007 - Visiting the Department of Dermatology, Goethe Clinic, Frankfurt, Germany
2008 - International course in dermatoscopy, Graz, Austria

WORK EXPERIENCE:
1995-1997 - Zagreb University Hospital Center - internship
1997-1998 - Pešćenica Health Centre - general practitioner
1998-1999 - MILSING d.o.o. - product manager
1999-2000 - “Osiguranje Zagreb” Clinic - general practitioner
2000-2005 - “Osiguranje Zagreb” Clinic - specialization in dermatovenereology
Since 2005 - Sestre milosrdnice University Hospital Centre - Department of Dermatology, specialist in dermatovenereology, subspecialisation: dermatological oncology - work at the Melanoma Reference Centre

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Kotrulja L, Šitum M, Poduje S, Meštrović-Štefekov J, Lugović L. Telemedicine in Dermatology. I. Telemedicine Congress with the international participation, Makarska, May 2002

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Author and co-author of several scientific articles and book chapters in the field of dermatology and dermatooncology.

Regular participant in symposia and conferences as a speaker or poster presenter.

Since 2013, leader and lecturer in more than ten dermatoscopy courses for specialists and residents and a general practitioners

Co-organizer and lecturer at the courses organized by the European Dermatological Society for residents and specialists from across Europe, three courses have been held so far:

- Poduje S. Melanoma epidemiology, aetiology and risk factors. EADV Fostering training course: Melanoma update and short course of dermoscopy, Zagreb, Croatia, 14-16 March 2014.
- Poduje S. Introduction, Basic dermatosocipal features, Dermatoscopy in early diagnosis of melanoma. EADV Fostering training course: Melanoma update and short course of dermoscopy, Zagreb, Croatia, 14-16 March 2014.
- Poduje S. Basics of dermoscopy- part I (melanocytic lesions): Structures and histology correlations; Dermoscopic features of melanocytic lesions, Melanoma- specific structures in dermoscopy; Dermoscopy of melanocytic lesions: practical part (cases and interactive analysis), EADV Resident Course: Dermoscopy, 19-21/06/2015, Zagreb, Croatia
- Poduje S. Introduction to dermoscopy, Basics of dermoscopy: structures and histopathological correlations – part 1, Dermoscopic equipment – Summer School: Dermoscopy, Resident EADV Course, 5.9. June 2017, Vis, Croatia

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2014 - 2016 Clinical trial M025616, Roche d.o.o. - sub-investigator “A Single Arm, Open-label, Phase II, Multicentre Study, to Assess the Safety of Vismodegib (GDC-0449) in Patient With Locally Advanced or Metastatic Basal Cell Carcinoma (BCC)”

2018. - Research project of the Croatian Foundation for Science in cooperation with the Ruđer Bošković Institute; GLI code regulation in tumors dependent on BRAF / NRAS mutations

2016 - as a dermatologist I co-operate in a study conducted at the Clinic for Neurology KBC SM: Multicenter, randomized, double-blind, parallel-group, active-controlled, superiority study to compare the efficacy and safety of ponesimod to teriflunomide in subjects with relapsing multiple sclerosis

2008 - present Active participation in the organisation and implementation of the public Preventive Health Programme for Early Detection of Melanoma and Other Skin Cancers “EUROMELANOMA DAY” (organised by the Croatian Dermatology and Venereology Society as part of the Croatian Medical Association, the Melanoma Referral Centre as part of the Ministry of Health Republic of Croatia and the European Academy of Dermatology and Venereology)

2012 - present Public prevention campaign “Act Now”, organized by the Zagreb City Office for Health, active participation in the organisation and implementation of the campaign

2016 and 2017 as a lecturer I participate in educating elementary and high school teachers about the impact of UV radiation on the skin. Education is organized in cooperation with the Croatian Institute for Public Health and the Education Agency.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Frano Poljak, MSc (phys.)

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Analysis of medical images

BIOGRAPHY

Date of birth: 04/03/1991

Education:

2009-2016: University of Zagreb, Faculty of Science, Department of Physics

Work experience:

2016- present: medical physicist, Division of Medical Physics, Department of Nuclear Medicine and Radiation Protection, University Hospital Centre Zagreb

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Marijana Popović Hadžija, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular genetics of gastrointestinal tumors

BIOGRAPHY

Name and surname: Marijana Popović Hadžija

Date and place of birth: June 25th, 1966, Zagreb, Croatia

Identification number from records of scientific workers: 172455

Address: Ruđer Bošković Institute, Division of Molecular Medicine, Laboratory for mitochondrial bioenergetics and diabetes (LaMBDa)

Bijenička cesta 54, Zagreb

Telefon / Fax: 01 4561 064 / 01 456 10 10

e-mail: mhadzija@irb.hr

Education:


1981-1984 – high school in Zabok

1984 – 1989 - the Faculty of Natural Sciences and Mathematics – Molecular Biology, University of Zagreb,

1989 – 1992 - postgraduate study of Molecular Biology at the Faculty of Natural Sciences and Mathematics, University of Zagreb


1998 – received Ph.D. in cellular and molecular biology from the Faculty of Natural Sciences and Mathematics, University of Zagreb, under the guidance of Dr. Sc. Marija Poljak-Blaži, senior scientist, R. Boskovic Institute (Title of thesis “Studies of the causes and processes of malignant transformation on mouse model of myeloid leukemia“ )

Training:


1993 – education at the Institute fur Immunologie GSF, Munnich, Germany, laboratorry of Prof. dr. Stephan Thierfelder, May-July

2006 – workshop „The protein arrays for biomarker discovery and protein expression profiling“, Prahce, Czech Republic , 25. September
2011 – course „Statistical data analysis in biomedical investigations“, Rijeka, 7.-10. April
2013 - „Laboratory Animal Science Course“, Zagreb, 1.-9. February
2014 – „InnoMol Bioimaging Workshop“, Zagreb, 20.-22. October
2015 – „High-resolution ultrasound imaging Vevo 2100 imaging platform hands-on workshop“, Zagreb, 9.-10. June
2015 – „High-resolution ultrasound imaging Vevo 2100 imaging platform hands-on workshop“, 9.-10. Lipanj, Zagreb
2016 – workshop „The InnoMol new platforms for molecular solutions in research and development“, Zagreb, 11.-12. May,
2016 – workshop „Dynamics of the cytoskeleton“, Zagreb, 14.-15. July

Work experiences and positions:
1. 1. -16.9.1990.- worked at the Faculty of Natural Sciences and Mathematics, University of Zagreb, Plant physiology, prof. dr. Ivan Regula
17. 9. 1990 – today – work at Ruđer Bošković Institute, Division of Molecular Medicine
1990 – Ph.D. student
1999 – Ph. D. Senior Research Assistant, Laboratory for molecular endocrinology and transplantation
2005 – Research Associate, Laboratory for molecular endocrinology and transplantation
2010 – Research Associate (2nd), Laboratory for molecular endocrinology and transplantation, Zavod za molekularnu medicinu, Institut Ruđer Bošković
2016 – today – Senior Research Associate, Laboratory for mitochondrial bioenergetics and diabetes

Scientific publications
- total 32 scientific articles
- 29 published in journals cited in basis Thomson Reuters Web of Science Core Collection (WoSCC) or Current Contents (CC)
- 3 published in journals cited in base Scopus
- 3 internationally recognized patent

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Sobočanec S., Šarić A., Mačak Šafranko Ž., Popović Hadžija M., Abramić M., Balog T. The role of 17 Beta-estradiol in the regulation of antioxidant enzymes via the nrf2keap1 pathway in livers of CBA/h mice. Life Sciences 2015, 130, 57-65.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1996-2002 “Causes and consequences of transplanting pancreatic endocrine tissue” 00981109;
2002-2006 “Embryonic cell production of pancreatic –like islets” 0098098;
2006-2012 “Obtaining the structures like Langerhans islets from mouse stem cells” 0982464-2460
2012-2015- "Nonlinear sparse component analysis with applications in chemometrics and pathology" (09.01/232)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2012-2015- "Nonlinear sparse component analysis with applications in chemometrics and pathology" (09.01/232), project leader dr. sc. Ivica Kopriva
2016- 2019 - "Sirtuin3 as a mediator of mitochondrial function in estrogen-dependent resistance to hyperoxia and high-fat diet", (IP-09-2014), project leader, dr. sc. Tihomir Balog
2017-2020 - "Structured Decompositions of Empirical Data for Computationally-Assisted Diagnoses of Disease", project leader dr. sc Kopriva
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Slavica Potočki (Ribar), Associate professor.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Chemistry and Biochemistry, School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical methods in biomedical research

BIOGRAPHY

Education and training 1986.-1991. Faculty of Science, University of Zagreb (BSc/M Biol Chem, Biology and Chemistry); 1996.-2000. Scientific postgraduate study Faculty of Science, University of Zagreb (degree obtained: master of natural sciences, biology/toxicology) 2005. degree obtained: PhD, scientific field of chemistry/chemistry


Professional experience 1996.-2000. young teaching assistant at Department of Chemistry and Biochemistry, School of Medicine, University of Zagreb.

2000.-2005. teaching assistant
2005.-2008. senior teaching assistant
2008.-2017. Assistant Professor
2017.- current Associate professor.

Actively involved in teaching of chemistry and biochemistry at undergraduate level to students studying Medicine and Dental medicine at University of Zagreb.

Research activity Scientific activity focused on topics in the field of sphingolipids and HPLC analysis of their metabolites.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 11 September 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

"Morphological and biochemical characteristics of in vitro treated sperm with melanotrophins and other peptides": University support 2014. (head: Alenka Boban Blagaić, associate professor), associate researcher

"Glycosphingolipids and Sphingolipid Metabolites as Glioblastoma Marks", HAZU 2017. (head: Dragana Fabris, postdoctoral researcher - senior teaching assistant ), associate researcher

"Characterization of glycolipid and sphingolipid metabolite composition as human brain tumors", Project – University support 2017. (head: Željka Vukelić, associate professor), associate researcher

"Further characterization of the composition of glycolipids and sphingolipid metabolites as human tumor markers", (continued research), Project -University support 2018. (head: Željka Vukelić, associate professor), associate researcher

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ingrid Prkacin, PhD, MD, Associate Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Merkur

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Characteristics of clinical medical research

BIOGRAPHY

Currently, Dr Ingrid Prkacin working in the Department of Emergency Internal Medicine as Head of Unit. She was born in Zagreb, Croatia, on August 1, 1964. She received the Doctor of Medicine in 1988, Master degree-direction biomedicine in 1994, Internal medicine specialist in 1996 and PhD in Biomedical Sciences in 2000, University of Zagreb, Croatia. She was Assistant Professor from 2009-2015 and from 2015 is Associate Professor of Internal Medicine at the University of Zagreb. Research interest area is hypertension and resistant hypertension, biomedicine, chronic kidney disease and diabetes mellitus, in particular. On these topics she authored more than 110 regular papers appeared in Pubmed/Scopus indexed journals: 29 Current Contents, 33 Index Medicus, 18 SCI Expanded/SSCI, 22 Scopus (Excerpta Medica). In May 2018 Scopus-based H-index was 14, with 485 citations. She has more than 30 years of experience in medicine, and most of it was spent in hypertension and chronic kidney disease research. Resistant hypertension, biomedicine and obesity are another area of research interest.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

Project Troponin, Project BPC 157

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 0, 3 in progress**
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. dr. sc. Davor Puljević

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinic for cardiovascular diseases, Clinical Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Ablation methods and electrostimulation

BIOGRAPHY

Date and place of birth: January 16, 1959, Mostar

Medical education:
1977-1982 School of Medicine, University of Zagreb (average grade 4.42)

Postgraduate training and positions:
1983-1984 Internship, Department of Gynecology and Obstetrics, Zagreb University Hospital Centre
1985-1988 Assistant Intern, Center for Medical Sciences, Zagreb University Hospital Centre
1988-1993 Residency in Internal Medicine (for Zagreb University Hospital in founding)
1993-1995 Polyclinic for Prevention of Cardiovascular Diseases and Rehabilitation, Zagreb
1995 - Coronary Care Unit, University Clinic for Cardiovascular Diseases, Zagreb University Hospital Centre
1998-2000 Subspecialty in cardiology (passed subspecialty exam in January 2001)
1999. Leader of service for rhythmology and heart electrostimulation
2003. – acknowledgement of title «primarius»

Professional activities:
1991 Postgraduate course "Emergency medicine"
1993 Course and final exam "Abdominal ultrasound"
2002 and 2003 Courses and final exams "ALS provider course" and "Advanced life support instructor course", which bestow the title of the European Resuscitation Council resuscitation instructor
2002 June 2-7, Budapest: Course "How to approach complex arrhythmias" organized by Prof. M.E. Josephson and Prof. H. J. Wellens

1989 Zagreb School of Medicine, appointed associate researcher for the field
of medicine

2006  Zagreb School of Medicine title “RESEARCH ASSOCIATE»
2009  Zagreb School of Medicine title “ASSISTANT PROFESSOR»
2013  Zagreb School of Medicine title “HIGHER RESEARCH ASSOCIATE»
2014  Zagreb School of Medicine title “PROFESSOR»

2010. Leader of the first category postgraduate course « Heart arrhythmias- rational approach», Zagreb School of Medicine

2018. Leader of the theme „Cardiac arrhythmias « on the postgraduate study “Cardiology” Zagreb School of Medicine

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2014 professor , Zagreb School of Medicine

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Puljević D, Šmalcelj A, Duraković Z, Goldner V. QT dispersion,daily variations,QT interval adaptation and late potentials as risk markers for ventricular tachycardia. Eur Heart J, 18,1343-9, 1997 ( 13 citata)
Puljević D, Šmalcelj A, Duraković Z, Goldner V. Effects of post-myocardial infarction scar size, cardiac function and severity of coronary artery disease on Q-T interval dispersion as a risk factor for complex ventricular arrhythmia. PACE, 21,1508-1516, 1998 ( 18 citata)
Puljević D, Miličić D, Buljević B, Jug M, Lojo N, Lovrić D, Kraljević I, Krakar G: Temporary heart pacing in the University Clinic for Cardiovascular Diseases - Zagreb, University Hospital Centre, in the year 2002.
Neurol Croat 52 (supp 3),79-83, 2003

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Multicentric study of AF ablation: Cryo-First 2018

SPARELIFE (changes in platelet reactivity in patients with AF undergoing PVI procedures (RF vs CRYO)) from Croatian Science Foundation

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Multicentric study of AF ablation: Cryo-First 2018

SPARELIFE (changes in platelet reactivity in patients with AF undergoing PVI procedures (RF vs CRYO)) from Croatian Science Foundation

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Nives Pustišek, MD, PhD, research associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Children’s University Hospital

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Mechanisms of allergic reactions

BIOGRAPHY

Prim. dr. sc. Nives Pustišek, MD spec. dermatology and venerology, a specialist in pediatric dermatology, was born on October 4, 1969 in Zagreb, where she finished elementary and high school. She graduated from the Faculty of Medicine of the University of Zagreb in 1994. During the three years of her studies she was a demonstrator at the Department of Pathophysiology. She studied dermatology and venerology examination in December 2003 and since then she has been employed at the Zagreb Children’s Disease Clinic, Pediatric and Adolescent Dermatology and Venerology Clinic. Primary title was recognized in October 2014 and subspecialization from pediatric dermatology in April 2015. In 2010 she enrolled in the doctoral study “Biomedicine and Health” at the Faculty of Medicine, University of Zagreb, and in February 2013 the subject of doctoral dissertation was accepted. On February 4, 2016, she defended her doctoral dissertation "Influence of structured education on the clinical course of atopic dermatitis of children's age". In the academic year 2015/16 she earned Dekan’s award for scientific productivity during the dissertation. Scientific title Scientific associate in the scientific field of biomedicine and health - field of clinical medical science (decision no. UO / I-640-03 / 18-01 / 1143) was recognized in 2018. She is also a co-author of 27 scientific and professional papers, of which 12 are in the Current Contents indexed journals and 10 chapters in books and monographs in the field of dermatology. She has lectured at numerous congresses and courses at home and abroad. She actively participates in the work of the Croatian Dermatovenerology Society of the Croatian Medical Association, and from 2008 to 2018. is its secretary. Participates in the organization of numerous scientific and professional conferences and congresses. She is a member of the European Academy of Dermatology and Venerology and the European Society for Pediatric Dermatology.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Doc.dr.sc. Matea Radačić Aumiler, MD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Characteristics of clinical medical research

BIOGRAPHY

Education

1992-1998  School od Medicine, University of Zagreb
2001-2007  Residency in Clinical Pharmacology and Toxicology
1999 -2003  Postgraduate Study Faculty of Science, University of Zagreb, master’s degree
2003  Master of Science with the thesis “Growth hormone and insulin-like growth factors in diabetic nephropathy”
2003-2012  Postgraduate Doctoral Study, Faculty of Science, University of Zagreb
2012  PhD degree with doctoral thesis entitled: “Combined antitumor effectiveness of hyperthermia, quercetin, vanadium, chlorpromazine and vitamin D in tumor cell cultures and animal models”
2003 – 2005  Postgraduate Study Clinical Pharmacology and Toxicology
1999  GCP Exam in organisation of Brookwood International Academy of Healthcare Research

Work experience

1998-1999  Internship in Clinical Hospital Jordanovac
1999 -2007  junior researcher on project pathogenesis of tumor hypoglicemia; Research of cancer
2001 - 2007  Residency in Clinical Pharmacology and Toxicology
2008 -  specijalist of clinical pharmacology and toxicology in Clinical Hospital Center Zagreb

Teaching

2010 - lecturer at graduate and postgraduate studies, Postgraduet Study Obiteljska medicina, University of Zagreb
2011 - lecturer at Postgraduate Study in Urology, School od Medicine, University of Zagreb
2012 - lecturer at Svečilišni diplomske studij sestrinstva, School od Medicine, University of Zagreb
2013 – lecturer at Pos6tgraduate Study in english at School od Medicine, University of Zagreb
2013 - Graduate Study "Drug research and development", kolegium Clinical Pharamcology, Department of Biotechnology, University of Rijeka, lecturer
2014 - lecturer at Postgraduate course od medical education Good Clinical practice, GCP, School od Medicine, University of Zagreb

Dissertation

2003  Master of Science with the thesis “Growth hormone and insulin-like growth factors in diabetic nephropathy”

PhD  with doctoral thesis: “Combined antitumor effectiveness of hyperthermia, quercetin, vanadium, chlorpromazine and vitamin D in tumor cell cultures and animal models”
Scientific activity

Rector Award of University Zagreb during study at School of Medicine Zagreb for the paper: Efectivness of tetrahidroindazolon-karboksil acid on nephrotoxicity of cisplatin

Publications

Author/coauthor of many scientific and professional paper in Croatian and international journals; some indexed in Web of Science Core Collection, Scopus and Medline (CC, SCOPUS/Medline), (9), chapters in books and textbooks (10), abstracts in CC, SCI Expanded (24), other scientific and professional papers (20)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 25.11.2014.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Makar-Aušperger, Ksenija; Krželj, Kristina; Lovrić Benčić, Martina; Radačić Aumiler, Matea; Erdeljić Turk, Viktoria; Božina, Nada. Warfarin dosing according to the genotype-guided algorithm is most beneficial in patients with atrial fibrillation: a randomized parallel group trial. Therapeutic Drug Monitoring vol. 40, 362-368, 2018. (Q2)

V. Erdeljić, I. Francetić, K. Makar-Aušperger, L. Bielen, R. Likić, M. Radačić Aumiler. Possible cost containment by usage of early sequential therapy in treatment of community-acquired pneumonia at University Hospital zagreb: Cost minimisation analysis (Moguće uštede ranom sekvencijskom terapijom u liječenju pneumonija koje zahtijevaju hospitalizaciju na KBC Zagreb: analiza minimalizacije troškova). Pharmaca 47 (2009); 3-4; 75-85 (članak, znanstveni) (Q4)

M. Radačić Aumiler: Infections with enterobacteriacea that produce extended spectrum beta lactamases (ESBL) (Infekcije enterobakterijacejama koje proizvode beta laktamaze proširenog spektra (extended spectrum beta lactamases, ESBL). Pharmaca 2010; 48:1-2; 14-29 (pregledni stručni članak) (Q4)


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Makar-Aušperger, Ksenija; Krželj, Kristina; Lovrić Benčić, Martina; Radačić Aumiler, Matea; Erdeljić Turk, Viktorija; Božina, Nada. Warfarin dosing according to the genotype-guided algorithm is most beneficial in patients with atrial fibrillation: a randomized parallel group trial. Therapeutic Drug Monitoring vol. 40, 362-368, 2018. (Q2)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Margareta Radić Antolic

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of molecular biology in medicine

BIOGRAPHY

I was born 11.02.1980. in Sisak, graduated Faculty of Pharmacy and Biochemistry in 2003. I trained one year in Departement of laboratory diagnostics, University Hospital Centre Zagreb and passed a professional exam in 2005. In the period from 2004. to 2007. I was a research fellow at the Ministry of Science, Education and Sports project No. 0214212 Prothrombotic Risk Factors in Cerebrovascular Diseases in Children)under the guidance of Professor Renata Zadro. I started Medical biochemistry specialization in 2007 at Department of Laboratory Diagnostics, University Hospital Centre Zagreb. Since 2014. I work as a specialist in medical biochemistry and laboratory medicine at Departement of laboratory diagnostics, University Hospital Centre Zagreb. I am a collaborator of Prof. Renata Zadro PhD in undergraduate and postgraduate studies (exercises, seminars, lectures) at the Faculty of Pharmacy and Biochemistry.

My field of interest is molecular diagnostics of hematologic diseases. Since 2004 I am a part of team for introduction of new molecular diagnostic methods in routine work (allele specific PCR for JAK2 V617F, real time PCR quantitative determination of bcr/abl1, sequencing of ABL1 gene, fragment analysis for mutation detection in NPM1, CALR, MPL and FLT3 gene), accreditation of molecular assays according to ISO 15189, standardization of quantitative determination of bcr/abl1 fusion transcript during tyrosine kinase inhibitor therapy, introduction of methods for the analysis of polymorphisms of platelet antigens within the project "Prothrombotic Risk Factors in cerebrovascular diseases in children". I also participate in other projects (different Clinics or Faculty) in the form of co-operation in the collection of samples, isolation of nucleic acids and analytical part (quantification of WT1 gene, quantification of BMP expression in renal carcinoma). Important part of my education is participation at various international conferences with poster presentations in the field of haematoncology. In last 2 years I am attending practical seminars, workshops and educations for implementing NGS technology in laboratory routine.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Prothrombotic risk factors in cerebrovascular diseases in children, Ministry of Science, Education and Sport, No. 214212, 2002-2006. (principal investigator Professor Renata Zadro)

Gene polymorphisms and ischemic and ischemic stroke in children, Croatian Scientific Foundation, No. 2047 2015-2019. (principal investigator Professor Renata Zadro)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Gene polymorphisms and ischemic and ischemic stroke in children, Croatian Scientific Foundation, No. 2047 2015-2019. (principal investigator Professor Renata Zadro)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant Prof. MARINA RADMILOVIĆ

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Histology and Embryology; School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: How to become a neuron?

BIOGRAPHY

PERSONAL INFORMATION

Researchers Identification Number: 333511
Email: marina.radmilovic@mef.hr

EDUCATION

2010 - 2013 Ph.D. in Neuroscience, School of Medicine, University of Zagreb
2001 - 2008 Faculty of Science and Mathematics, University of Zagreb, Professor of Biology and Chemistry

WORK EXPERIENCE

04/2017 - to date Assistant Professor at Department of Histology and Embryology, School of Medicine, University of Zagreb, Zagreb, Croatia
07/2013 - 02/2017 Senior Assistant at Department of Histology and Embryology, School of Medicine, University of Zagreb, Zagreb, Croatia
06/2010 - 07/2013 Assistant at Department of Histology and Embryology, School of Medicine, University of Zagreb, Zagreb, Croatia
02/2009 - 06/2010 Research Assistant at Department of Histology and Embryology, School of Medicine, University of Zagreb, Zagreb, Croatia

FELLOWSHIPS AND AWARDS

2015 – 2016 Max Planck fellowship for postdoctoral researchers (18 months)

TEACHING ACTIVITIES

2010 - 2019 Histology and Embryology for Medical Studies in Croatian, School of Medicine, University of Zagreb
2009 - 2019 Histology and Embryology for Medical Studies in English, School of Medicine, University of Zagreb
2017 - 2018 Histology and Embryology for Denistry Studies in English, School of Medicine, University of Zagreb

SUPERVISION OF GRADUATE/ DOCTORAL STUDENTS AND POSTDOCTORAL RESEARCHERS

Doctoral students:
1. Anja Barić, mag-biol.mol. - 2018 enrolled as a Neuroscience doctoral student
2. Helena Justić, mag.biol.exp. - 2018 enrolled as a Neuroscience doctoral student
MD theses:
1. Šimunić Sven. Morphological analysis of murine brain following ischemic injury and natriuretic peptides application. Graduation thesis. School of Medicine, University of Zagreb, Zagreb, 2015.

MEMBERSHIPS
2015. - 2018      Max Planck Society
2012. -to date  Croatian Society for Neuroscience
2009. - to date  International Brain Research Organization - IBRO Alumni
2008. - to date  Croatian Physiological Society


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Dobrivojević M, Špiranec K, Sinđić A. Involvement of bradykinin in brain edema development after ischemic stroke. Pflugers Arch. 2015;467(2):201-12.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Dobrivojević M, Sindžić A. Involvement of bradykinin in brain edema development after ischemic stroke. Pflugers Arch. 2015;467(2):201-12.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018 – 2023 Croatian science foundation project “The role of bradykinin in brain and retinal ischemia in diabetic murine models BRADISCHEMIA” - project leader

2018 – 2020 Croatian ministry of science and education cooperation project with Austrian federal ministry of science research and economy “High field MRI to measure efficacy of extracellular vesicle therapy after spinal cord injury in a rat contusion model” - Croatian coordinator

2017 – 2021 Croatian science foundation project “Multimodal molecular imaging of the mouse brain repair after ischemic lesion” - collaborator

2016 – 2017 HAMAG BICRO project Poc6_1_153 "Mouse with bioluminescent nerve cells" - collaborator, post-doctoral researcher

2016 Grant supported by the University of Zagreb “The expression and activity of uroguanylin in the brain” - collaborator, post-doctoral researcher
2015 – 2016  EU FP7-HEALTH project TargetBrain F2-2012-279017 - collaborator, post-doctoral researcher

2015  Grant supported by the University of Zagreb “Mechanism of guanylin peptides action on the bradykinin signaling pathway in the brain” - collaborator, post-doctoral researcher

2014  Grant supported by the University of Zagreb “Mechanism of guanylin peptides action on the bradykinin signaling pathway in the brain” - collaborator, post-doctoral researcher


2009 – 2011 Unity through Knowledge Fund 35/08 “Regeneration and plasticity after ischemic brain damage studied on innovative transgenic mouse models” - collaborator, Ph.D. student researcher

2008 – 2012 Research project Pharis Biotech GmbH, Hannover, Germany, collaborator, Ph.D. student researcher

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018 – 2023 Croatian science foundation project “The role of bradykinin in brain and retinal ischemia in diabetic murine models -BRADISCHEMIA” - project leader

2018 – 2020 Croatian ministry of science and education cooperation project with Austrian federal ministry of science research and economy “High field MRI to measure efficacy of extracellular vesicle therapy after spinal cord injury in a rat contusion model” - Croatian coordinator

2017 – 2021 Croatian science foundation project “Multimodal molecular imaging of the mouse brain repair after ischemic lesion” - collaborator

2016 – 2017 HAMAG BICRO project Poc6_1_153 "Mouse with bioluminescent nerve cells" - collaborator, post-doctoral researcher

2016  Grant supported by the University of Zagreb “The expression and activity of uroguanylin in the brain” - collaborator, post-doctoral researcher

2015 – 2016  EU FP7-HEALTH project TargetBrain F2-2012-279017 - collaborator, post-doctoral researcher

2015  Grant supported by the University of Zagreb “Mechanism of guanylin peptides action on the bradykinin signaling pathway in the brain” - collaborator, post-doctoral researcher

2014  Grant supported by the University of Zagreb “Mechanism of guanylin peptides action on the bradykinin signaling pathway in the brain” - collaborator, post-doctoral researcher

ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Milan Radoš, assoc.prof.
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pathophysiology of the brain and the CSF; Synaptic plasticity and mind

BIOGRAPHY
I was born 21st September 1972, at Tomislavgrad (Bosnia at Herzegovina). I graduated at School of Medicine University of Zagreb at year 1997. and then obtained Master of Science degree at year 2001 for research conducted at Croatian Institute for Brain Research. Investigations for doctoral thesis were performed at McGill University in Montreal, while doctoral degree was obtained at Faculty of Natural Sciences in Zagreb at year 2006.

From June 2001 to December 2006 I was at position of research-fellow, and during period December 2006-September 2009 I was at position of assistant at Department of Neuroscience at Croatian Institute for Brain Research. In period September 2009-May 2016 I was at position of assistant professor, and since May 2016 I work as associated professor at Department of Neuroscience at Croatian Institute for Brain Research.

I participate in lectures since academic year 2001/2002 at School of Medicine Course Fundamental of Neuroscience and since year 2003 I participate as lecturer and course leader in post-doctoral studies.

In period 2001-2003 I was at scientific education at Department of Pharmacology and Therapeutics at McGill University where I had studied peripheral neuropathy. During year 2009 I spent one month in McConnell Brain Imaging Centre learning how to acquire and analyse functional magnetic resonance image.

In period 2007-2011 I was resident of radiology at Department of diagnostic and interventional radiology at University Hospital Centre Zagreb.

I am leader of laboratory for functional neuroimaging, and since year 2013 I work as a director of Centre for Clinical Research in Neuroscience.

My scientific interests are focused to use of magnetic resonance in studies of cerebrospinal fluid pathophysiology and perinatal brain lesion.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

https://www.karger.com/Article/FullText/452169

https://linkinghub.elsevier.com/retrieve/pii/S030645221730283X


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2002-2006. Investigator on project Patophysiology of cerebrospinal fluid and intracranial pressure (0108134), principal investigator prof. Marijan Klarica, HIIM, School of Medicine, University of Zagreb

2014-2015 Investigator on project „Volumetrijska analiza kranispinalnog likvorskog prostora kod čovjeka pri različitim položajima tijela u magnetskoj rezonanciji“ principal investigator: prof.dr.sc. Marko Radoš,

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2012-2103 Investigator on project “Rano otkrivanje i praćenje bioloških biljega radi rane terapijske intervencije u sporadičnoj Alzheimerovoj bolesti“. principal investigator prof. Goran Šimić, HIIM, School of Medicine, University of Zagreb

2013-2014 Investigator on project “Perinatalna reorganizacija medijalnog (limbičkog) korteksa u čovjeka” principal investigator prof. Mario Vukšić, HIIM School of Medicine, University of Zagreb fakultet Sveučilišta u Zagrebu.

2013-2014 Investigator on project „Komparativno histološko/MRI istraživanje u cilju poboljšanja dijagnostike perintalnih oštećenja u ljudskom mozgu“ principal investigator prof. Nataša Jovanov-Milošević, HIIM, School of Medicine, University of Zagreb

2014-2015 Investigator on project „Volumetrijska analiza kranispinalnog likvorskog prostora kod čovjeka pri različitim položajima tijela u magnetskoj rezonanciji“ principal investigator: prof.dr.sc. Marko Radoš,

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mario Ravić, Mr.sc., mag.ing.elektrotehnike,

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ericsson Nikola Tesla d.d.

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Telemedicina

BIOGRAPHY

Mario Ravić is Manager of IoT & Digital Health business area in company Ericsson Nikola Tesla. He led product development and market introduction for medical product Ericsson Mobile Health used for remote patient monitoring on the global market. For the last nine years he is actively involved in commercial and research digital health projects worldwide. He is employed in Ericsson Nikola Tesla on various positions for the last 18 years. He graduated on Faculty of electrical engineering and computing in 1999 where he also obtained M.Sc. in 2011, and during 2016 he enrolled graduate program „Leadership and Management of Healthcare Services“ on Medical Faculty in Zagreb.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2019

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

V. Galetić; I. Benc; S. Dešić; J. Križanić; M. Mošmondor; A. Grgurić; D. Gvozdanović; D. Huljenić; L. Damjanić; M. Ravić. Ericsson mobile health solution overview http://ieeexplore.ieee.org/document/5533318/


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

V. Galetić; I. Benc; S. Dešić; J. Križanić; M. Mošmondor; A. Grgurić; D. Gvozdanović; D. Huljenić; L. Damjanić; M. Ravić. Ericsson mobile health solution overview (http://ieeexplore.ieee.org/document/5533318/)

G. Kopčak; I. Ćubić; M. Ravić: Unified health application; (http://ieeexplore.ieee.org/document/5967101/)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Maja Relja MD,PhD tenured professor of neurology

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Medical School University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research Methods of Psychological Functions and Behavior, Clinical Neuropharmacology, Movement Disorders; Molecular and biochemical approach to genetic disorders

BIOGRAPHY

Education and Academic Degrees:
1975 ~ Medical Doctor Medical Faculty of Zagreb
1978 ~ 1979 Guest Worker, Laboratory of Preclinical Neuropharmacology, NIMH, Saint Elizabeth’s Hospital, Washington D.C. USA
1979 ~ Master of Biomedical Sciences, Postgraduate Scientific Perfection in Biomedicine
1980 ~ Doctor of Medical Sciences, University of Zagreb
1982 ~ Postgraduate Study of Clinical Neuropharmacology, Medical faculty, Zagreb
1987 ~ Assistant Professor of Neurology, Medical School University of Zagreb
1990 ~ date Professor of Neurology, Medical School University of Zagreb
1995 - 1996 Visiting Professor, Department of Neurology, Turku University, Finland
2006 ~ Full professor of Neurology Medical School University of Zagreb
2012 - Full professor of Neurology-tenured Medical School University of Zagreb

Brief Chronology of Employment:
1975 ~ 1976 Internship, Clinical Medical Center Zagreb
1976 ~ 1979 Scientific Assistant "Ruder Bošković Institute", Zagreb
1980 -2018 Date Department of Neurology, Medical School, University of Zagreb
1995 ~ 2018 date Head Referral Centre for Movement Disorders and Neurodegeneration Republic of Croatia, Clinical medical Center - Department of Neurology, Medical School of Zagreb, University of Zagreb

Teaching Experience:
- Lectures in the Neurology course, undergraduate students, postgraduate courses in Neurology (Course leader), Preclinical and Clinical Pharmacology, Urology, Geriatrics, Family medicine
- Lectures in doctoral study Medical School of Zagreb (Courses leader)
- Supervisions for PhD students (PhD Thesis)

Professional activities:
University: Coordinator of postgraduate course of clinical neurology; Medical school: doctoral study committee
Others: Editorial Board member of J Hedache, J Parkinson’s disease; Guideline committees: EAN; Vice-president of Dystonia Europe
Membership: American Academy of Neurology (AAN), Movement Disorder Society (MDS), Parkinson's Disease and Related Disorders (PDRD), European Academy of Neurology (EAN), European Pharmacological Societies Association (EPHAR) and International Union of Pharmacological Societies (IUPHAR), Vice-president of Dystonia Europe

Scientific research project
2000-2015 Project of Croatian Ministry of Science 'Pharmacology of Movement Disorders' - principal investigator
2005-2013 International Collaborative project of Deutscher Academischer Austauch Dienst' (DAAD) "Antinociceptive activity of botulinum toxin type A: new mechanisms of action, new indications? (Croatia, Germany)
2011-2015 COST BM1001EU action project 'European network for the Study of Dystonia Syndrome' (coordinaor WG4 group)
2018-date European Brain Council- EBC The value of treatment for brain disorders project : EBC VoT2 project (principal investigator)

Scientific research field: Peripheral dopaminergic receptors, Botulinum toxin and pain, Non-motor symptoms in dystonia and Parkinson's Disease and Quality of life, Quantification of Neurologic deficit

Clinical Research Experience (clinical studies - principal investigator)


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
7.Bach-Rojecky L., Relja M, Lacković Botulinum toxin type A in experimental neuropathic


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Scientific research project

2000-2015 Project of Croatian Ministry of Science 'Pharmacology of Movement Disorders' - principal investigator

2005-2013 International Collaborative project of Deutscher Academischer Austausch Dienst' (DAAD) „Antinociceptive activity of botulinum toxin type A: new mechanisms of action, new indications? (Croatia, Germany)

2011-2015 COST BM1001EU action project 'European network for the Study of Dystonia Syndrome' (coordinator WG4 group)

2018-date European Brain Council- EBC The value of treatment for brain disorders project : EBC VoT2 project (principal investigator)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2011-2015 COST BM1001EU action project 'European network for the Study of Dystonia Syndrome' (coordinator WG4 group)

2018-date European Brain Council- EBC The value of treatment for brain disorders project : EBC VoT2 project (principal investigator)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. Prof. Mihael Ries M.D. PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb, University Hospital „Sestre milosrdnice”

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Elektrofiziološke metode u medicinskim istraživanjima

BIOGRAPHY


1991./1992. employed at the University Clinic for Neurology, field of neurophysiology, performing electromyoneurography under the mentorship of Professor Anica Jušić, MD, PhD.

Since 1992. Employed at the University Clinic for ENT and Head and Neck Surgery, University Hospital „Sestre milosrdnice”.

From 2009. Employed at the School of Medicine, University of Zagreb, since 2017. as Assist. Professor. Involved in the subject of Basic Medical Artistry since 2012. Since 2014. Involved in the postdoctoral scientific study subject „Electrophysiology in medical research”. Teacher in the subject ENT and surgery of head and neck in English language at the School of Medicine, University of Zagreb. Vice president of the Croatian Society for Audiology and Phoniatrics, and president of the section for Otology and Neurootology.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Cochlear implantation prognostic factors in very young children

Prognostic value of proteomic profile head and neck melanoma tissue grade i and II

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Prognostic value of proteomic profile head and neck melanoma tissue grade i and II
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assoc. Prof. Dunja Rogić, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical Methods in Biomedical Research, Evidence-based medicine

BIOGRAPHY

Assoc. Prof. Dunja Rogić, PhD, was born on 8 Oct 1962 in Zagreb where she graduated from the Faculty of Pharmacy and Biochemistry; in 1991 she defended her M.Sc. thesis and in 2000 her PhD thesis; she became a medical biochemistry specialist in 1995. Since 1987 she has been employed at the University Hospital Center Zagreb; she has been head of Department of Laboratory Diagnostics since 2013. In 2002, she completed a postgraduate study entitled “Leadership and Management in Health Services” (Andrija Štampar School of Public Health, Zagreb University School of Medicine and London School of Economics), and the following courses: Critical Appraisal Skills, and: Teaching Evidence-Based Medicine, Oxford, UK. In 1999 she was at the Institute for Clinical Chemistry, Klinikum München-Bogenhausen, Munich, Germany (prof. dr. Walter Guder) where she learnt about an expert system for urine protein differentiation and translated it in Croatian; then she spent a study period at the Institute for Clinical Chemistry, Kaiser Franz-Josef Spital, Vienna, Austria (prof. dr. Matthias Mueller), and in 2010 she was on an academic visit to the laboratory of the University Hospital in Skåne, Malmö, Sweden. She was elected asst. professor of the Faculty of Pharmacy and Biochemistry in 2008, and an associate research scientist in in 2012. She has actively collaborated in research projects of the Croatian Ministry of Science, Education and Sports, of the Croatian Science Foundation, and in two international projects. She has been a chairperson of scientific and organizing committees of a number of national scientific and professional meetings (e.g., International Advisory Scientific Board, Worldlab 2014), an invited speaker, a director and organizer of the international course Evidence-Based Laboratory Medicine, and a lecturer and organizer of continuous education courses for physicians and medical biochemists. She participates in postgraduate teaching at the Zagreb University School of Medicine; since 2008 she has taught and been a course coordinator in undergraduate and postgraduate studies of the Faculty of Pharmacy and Biochemistry, University of Zagreb. She is the author of 73 scientific and professional papers and 154 congress abstracts at international and national scientific and professional meetings. She is the co-editor of two books and textbooks for undergraduate students, and the author of four chapters in books and of a number of chapters in continuous education course handbooks. She has mentored the preparation of 17 graduate theses by students of the Zagreb University Faculty of Pharmacy and Biochemistry, and of three PhD dissertations. She is a member of the international IFCC Committee for Evidence-based Laboratory Medicine and of the international IFCC Working Group for Postanalytical Phase; she was vice-president (2007-2017) of the Croatian Chamber of Medical Biochemists, and since 2017 she has been a chairperson of the Chamber’s Committee for Professional Issues; a member of Ethics Committee, University Hospital Center Zagreb, since 2014, a member of the National Medical Council, Croatian Ministry of Health, since 2015, and a member of the Committee for Automated Biochemistry Analyzers, Croatian Ministry of Health, since 2018.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 21 Oct 2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Ajzner É, Rogic D, Meijer P, Kristoffersen AH, Carraro P, Sozmen E, Faria AP, Sandberg S; joint Working Group on Postanalytical Phase (WG-POST) of the European Federation of Clinical Chemistry and


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


University of Zagreb School of Medicine

PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences”


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Dunja Rogić, collaborator in the Croatian Science Foundation project: The Role of Oxidative Stress and Opiorphin in Temporomandibular Disorders, IP-2014-09-0370; principal investigator: prof Iva Alajbeg.


Collaborator in the project: Quality of Guidelines. A project of the IFCC Committee for Evidence-Based Laboratory Medicine. Principal investigator: prof. Andrea Rita Horvath.

Collaborator, i.e. member: Postanalytical Phase: International Survey on Oral Anticoagulation Therapy Management. A project of the EFLM Working Group for Postanalytical Phase.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Dunja Rogić, collaborator in the Croatian Science Foundation project: The Role of Oxidative Stress and Opiorphin in Temporomandibular Disorders, IP-2014-09-0370; principal investigator: prof Iva Alajbeg.


Collaborator in the project: Quality of Guidelines. A project of the IFCC Committee for Evidence-Based Laboratory Medicine. Principal investigator: prof. Andrea Rita Horvath.

Collaborator, i.e. member: Postanalytical Phase: International Survey on Oral Anticoagulation Therapy Management. A project of the EFLM Working Group for Postanalytical Phase.


ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Martina Rojnić Kuzman, assist. professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Zagreb School of Medicine, University of Zagreb and Zagreb University Hospital Centre

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pharmacogenomics

BIOGRAPHY

Born in Pula 1978. Education: 2002 – MD (School of Medicine University of Zagreb), 2008 – Psychiatrist (University Hospital Centre Zagreb), 2008 – PhD (psychiatry) (School of Medicine University of Zagreb). Actively involved in clinical and research work with patients with first episode psychosis. Published more than 50 expert and scientific papers, and serves as associate editor in journal Psychiatria Danubina (2011.-), reviewer of number of international journals. Actively involved in professional associations at international and national level, serving as secretary general of the Croatian Psychiatric Association (CPA) (2014-), and Board member of the European Psychiatric Association (2017 - ), continuing former activities (president of the European Federation of Psychiatry Trainees (2008-2011); president and founder of the Croatian Section of Young Psychiatrists and Trainees, CPA (2005-2009); Board Member of the ECPC - EPA (2009 - 2013) and chair of the ECPC - EPA (2013-2015). Teaching students at the Zagreb School of Medicine, since 2003, also having mentorship of doctoral and graduate thesis, and students research work.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2015-2018 Glavni istraživač na projektu "Biomarkers in schizophrenia – integration of complementary methods in longitudinal follow up of first episode psychosis patients, financiram od HRZZ


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018- 2022 Suradnik na međunarodnom projektu RECOVER-E (LaRge-scalE implementation of COmmunity based mental health care for people with seVerE and Enduring mental ill health in EuRopE) financiran sredstvima Horizon 2020.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ivica Rubelj Prof. PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular Genetics of Aging and Carcinogenesis

BIOGRAPHY
Education:
PhD in Molecular biology, Faculty of sciences, University of Zagreb, 1991.
MSc in Molecular biology, Faculty of sciences, University of Zagreb, 1989.
BSc in Experimental biology, Faculty of sciences, University of Zagreb, 1985.

Work experience:
2018- Senior Scientist at Ruđer Bošković Institute, Department of Molecular biology.
2011-2018: Senior Research Associate at Ruđer Bošković Institute, Department of Molecular biology.
2001-2011: Research Associate at Ruđer Bošković Institute, Department of Molecular biology.
1996-2001: Senior research assistant at Ruđer Bošković Institute, Department of Molecular genetics.
2002- : Head of the Laboratory for Molecular and Cell Biology at Ruđer Bošković Institute, Department of Molecular biology.

Postdoc employments:
1995-1996: Postdoctoral fellow at “Louisiana State University Medical Center”, New Orleans, Louisiana, USA.
1991-1995: Postdoctoral fellow at “Baylor College of Medicine”, Houston, Texas, USA.

Short term fellowships:
2006."Sam and Ann Barshop Center for Longevity and Aging Studies, UTHSCSA" San Antonio, Texas, USA.
2003."Sam and Ann Barshop Center for Longevity and Aging Studies, UTHSCSA" San Antonio, Texas, USA.

Senior scientist at RBI; 28.9.2018.-Appoited Full Professor at Faculty of Sciences

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Huđek A, Škara L, Smolković B, Kazazić S, Ravlić S, Nanić L, Osvatić MM, Jelčić J, Rubelj I, Bačun-Družina V. Higher prevalence of FTO gene risk genotypes AA rs9939609, CC rs1421085, and GG rs17817449 and


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Current grants:

Research grants:
Grant No. 098-0982913-2768: “Structure and function of telomeres in control of cell senescence”, MSES (2007-2014)
Grant No. 0098077: “Molecular mechanisms of cell immortalization and aging”, MSES (2002-2006)
Collaborative Grant No. 0098904: “Revitalization of cells and tissues by telomerase in vitro and in vivo”, MSES (2002-2006)

Applied science grants:
Grant No. 13MHT700: “Construction, Development and application of target vectors”, CIT (2009-2014)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Current grants:

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

PhD Theses (5):
Lucia Nanić, Influence of resveratrol and melatonin antioxidants and young transplanted fibroblasts on tissue homeostasis changes and tissue regeneration in rat aging, Josip Juraj Strossmayer University of Osijek; University of Dubrovnik; Ruđer Bošković Institute, 20. 12. 2018.
Andrea Ćukušić Kalajžić, Structural characterisation of telomeres in normal human fibroblasts, Faculty of sciences, University of Zagreb, 27.05.2011.
Marina Ferenac Kiš, Structural and functional telomere changes during growth of normal and immortal cells in cell culture, Faculty of sciences, University of Zagreb, 20.05.2011.

Milena Ivanković, Dynamics of individual telomeres in growth control of normal human cells, Faculty of sciences, University of Zagreb, 25. 2. 2009.

Nikolina Škrobot Vidaček, Recombinational telomere shortening in growth control of normal human fibroblasts, Faculty of sciences, University of Zagreb, 18. 5. 2010.

**MSc Thesis (1):**
Marina Ferenac, Dynamics of telomere shortening in cell senescence. Faculty of sciences, University of Zagreb, 16. 05. 2005.

**BSc theses (10):**
Jasmin Božo, Effects of mitochondrial complex I inhibition on the viability of normal human fibroblasts. Faculty of sciences, University of Zagreb, 1.09.2016.

Vedran Stančić, A quantitative analysis of the dynamic of telomeres in human MJ-90 hTERT cells. Faculty of sciences, University of Zagreb, 6.04.2017.

Matea Cedilak, Moltkia petraea and Micromeria croatica plant extracts influence on protection of telomeres, senescence and proliferation of MJ90 cells. Faculty of sciences, University of Zagreb, 16.02.2015.

Tanja Božić, Influence of human proteins α-Enolase and MBP-1 on telomere stabilization in mice fibroblasts A9. Faculty of sciences, University of Zagreb, 17.02.2014.

Ines Kralj, Autotransplantation of rat skin cells. Faculty of sciences, University of Zagreb 28.02.2014.


Ivo Šegota, Analysis of extrachromosomal DNA of human MDA-MB-231 cells in culture. Faculty of sciences, University of Zagreb, 28.06. 2006.


Ivana Gotić. Telomerase activity during growth of HeLa cells. Faculty of sciences, University of Zagreb, 15. 07. 2004.

Irena Jevtov. Quantitative analysis of telomeric DNA in immortal mammalian cells. Faculty of sciences, University of Zagreb, 02. 04. 2003.
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Academician Pavao Rudan

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Institute for Anthropological Research

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Medical Anthropology

BIOGRAPHY

Academician Pavao Rudan, established anthropology as a science in Croatia and initiated holistic analytic research of population structure of Croatia. He was general secretary and member of organizational committee of 1st Congress of European Anthropological Association – 1st CEAA that was held in Zagreb in 1977. He is founder of undergraduate and graduate studies of Anthropology and postgraduate study of Biological Anthropology in University of Zagreb. He is a member of Croatian Academy of Sciences and Arts since 2006, and from 2011 a general secretary. He is director of the Permanent Scientific Programme Anthropological Research of the Population Structure of Croatia funded by Ministry of Science, Education and Sports of the Republic of Croatia. He was leader, advisor and principal researcher in nine internationally funded projects, some of them are: Genetics of metabolic syndrome in an Adriatic population (National Institutes of Health USA), Mapping quantitative trait loci in Croatian island isolates, (Medical Research Council, UK), The Neandertal Genome Project (Max Planck Institute for Evolutionary Anthropology, Berlin - Brandenburg Academy of Sciences and Humanities, Croatian Academy of Sciences and Arts), Biological and Cultural Microdifferentiation among Rural Populations (Smithsonian Institute, USA). He published over 500 scientific papers, reviews, proceedings and abstracts, from which 230 are original scientific papers. He received many awards and acknowledgments, to point out Newcombe Cleveland Price by the American Association for the Advancement of Science for the best scientific paper written in co-authorship and published in Science, 382/5997, 2010, 710-722.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

Scientific Advisor; Full Professor, 2007 (Full Professor: 2007. School of Medicine, University in Osijek; 2000. Faculty of Social Sciences and Humanities, University of Zagreb; 1997. Faculty of Natural Sciences and Mathematics, University of Zagreb; 1988 - School of Medicine, University of Zagreb).

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


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**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Program trajne istraživačke djelatnosti (PTID) Antropološka istraživanja populacijske strukture Hrvatske (1962766), Ministarstvo znanosti, obrazovanja i športa Republike Hrvatske

2. Znanstveni projekt Populacijska struktura Hrvatske - antropogenetički pristup (196-1962766-2751), Ministarstvo znanosti, obrazovanja i športa Republike Hrvatske

3. Znanstveni projekt Languages In a Network of European Excellence, LINEE (288388-2), FP6 Program EU


5. Međunarodni znanstveni projekt The Neandertal Genome Project (Max Planck Institute for Evolutionary Anthropology, Berlin - Brandenburg Academy of Sciences and Humanities, Croatian Academy of Sciences and Arts)

6. Integrated GWAS and EWAS of Cradiometabolic Traits in an Island Population (Studija genetičkih, epigenetičkih i okolišnih čimbenika rizika za kardiometabolička svojstva u otočnoj populaciji)

7. Genetics of Metabolic Syndrome in an Adriatic Island Population projekt NIH (National Institute of Health, SAD)

8. Mapping genes underlying complex quantitative traits in Croatian isolate population

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. Integrated GWAS and EWAS of Cradiometabolic Traits in an Island Population

2. Genetics of Metabolic Syndrome in an Adriatic Island Population projekt NIH (National Institute of Health, SAD)
3. Mapping genes underlying complex quantitative traits in Croatian isolate population

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

32
ORDINAL NUMBER: 

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER:  Igor Rudez, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER:  University of Zagreb, School of Medicine, Department of Cardiac and Transplantation Surgery, University Hospital Dubrava

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY:  Microvascular tissue transfer

BIOGRAPHY

Date of birth: 23.09.1966.

CONGRESS ABSTRACTS (130), SCIENTIFIC RESEARCH PAPERS (49), NUMBER OF CITATIONS 349, H-index 9 (SCOPUS)

EDUCATION

1986-1991 School of Medicine, University of Zagreb, Croatia

1992-1994 Faculty of Science, Postgraduate study in Biomedicine, Zagreb, Croatia

1994-1996 KBC Rebro, Registrar in General Surgery

1997 Master of Sciences (Biomedicine)

1996-1999 KB Dubrava, Registrar in General Surgery

2004-2006 KB Dubrava, Subspecialization in Cardiac Surgery

2005 PhD degree (Medicine), School of Medicine, Osijek, Croatia

2013 Assistant Professor of Surgery, School of Medicine, Mostar, Bosnia and Herzegovina

WORK EXPERIENCE

• 1991-1992 Internship, Clinical Hospital for Tumors, Zagreb

• 1992-1994 Research fellow, KBC Rebro, Zagreb

• 1994-1996 Resident in General Surgery, KBC Rebro, Zagreb

• 1996-1999 Resident in General and Cardiac Surgery, KB Dubrava, Zagreb

• 1999-2011 Staff surgeon, KB Dubrava, Zagreb

• 2011 – 2018 Head, Division for Coronary and Aortic Surgery @ Dept. of Cardiac Surgery and Heart Transplantation, KB Dubrava, Zagreb

• 2018 – Chief, Department of Cardiac and Transplant Surgery, KB Dubrava, Zagreb, Croatia


Medical School, University of Zagreb

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

ERA Prospective observational center for research of efficiency of surgical radiofrequent ablation for patients with paroxizmal atrial fibrilation 2007

PARMA Prospective observational center for research of efficiency of surgical electromagnetic ablation for patients with atrial fibrilation 2007

ICE „International Collaboration on Endocarditis“, 2010

E-vita Open REGISTRY World registry of patients operated with „frozen elephant trunk“ E-vita open stent-grafta; 2014

AVIATOR REGISTRY Svjetski registar bolesnika sa rekonstrukcijom korjena aorte uz prezervaciju nativnih kuspisa aortnog zalisca; 2014

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Role of Hedge Hog singling pathway in development of calcified aortic stenosis
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Franjo Rudman, M.D. Ph. D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Plastic, Reconstructive and Esthetic Surgery, University Hospital "Dubrava"

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Hand Surgery, Microvascular tissue transfer

BIOGRAPHY
Franjo Rudman, MD PhD -CV
University Hospital "Dubrava", Department for Plastic, Reconstructive and Aesthetic Surgery, Tel. 290 2581, E-mail frudman@dr.com

Education
MD: Medical School, University of Zagreb, 1997.
Specialist in surgery, 2005.
Subspecialty in plastic surgery 2008.

Work experience
University Hospital for Tumors: internship 1997-1997,

specialist in surgery, Department for Plastic, Reconstructive and Aesthetic Surgery 2005-

Research activities
2014. Conferment of the title of research associate

Publications
11 papers in CC indexed journals, 7 in elsewhere indexed journals, 8 book chapters, editor of two books

Personal

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Investigator on projects: "Treating patients with nerve injury"
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Nadan Rustemović

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Gastroenterology, University Hospital Centre Zagreb; Department of Interventional Gastroenterology

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Advanced ultrasonography in gastroenterology and hepatology

BIOGRAPHY

Professor Nadan Rustemovic, MD, PhD, internal medicine specialist and gastroenterologist, the head of the Interventional Gastroenterology center of the University Hospital Centre Zagreb, the head of the Referral center for Interventional Gastroenterology of the Ministry of Health of the Republic of Croatia and the head of “Official ESGE Host Training Centre”. He takes part in undergraduate and in postgraduate teaching at the Medical School of Zagreb. He is a co-leader and a lecturer in a couple of courses of continuous medical education for ultrasound and endoscopy. He is the head of the organization committee of a yearly workshop “Algorithms in gastrointestinal endoscopy and endoscopic ultrasound”, and since 2013 he organizes “hands-on-training” workshop on mechanical and animal models. He authored several chapters in medical textbooks, published many papers and held more than one hundred invited lectures.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: September 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Project leader approved by the Ministry of Science of the Republic of Croatia (2002): Evaluation of telemedicine consultations in ultrasound diagnostics (No. 0214214), which was closed but was the basis for the establishment of the Institute for the Application of Telemedicine in Gastroenterology at KBC Zagreb, which is also the MZRH Reference Center

Contributor to the Ministry of Science project: Inflammatory bowel disease (Crohn's bolset and ulcerative colitis) - (No. 108-1081874-1917)

Previous projects:
1. From 1995-2001 researcher on a scientific project: "Interventional gastroenterology, development and application of new technologies".

2. Consultant in the pilot project of the Ministry of Science and Technology “Virtual Polyclinic-specialist consular service for the islands “2000 which developed into a comprehensive project of Island Telemedicine under the auspices of the Government of the Republic of Croatia

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: George Rutherford, professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of California, San Francisco

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research and evaluation methods of health interventions

BIOGRAPHY

Professor Rutherford is the Director for the Institute for Global Health, the Salvatore Pablo Lucia Professor and the Head of the Division of Prevention Medicine and Public Health in the Department of Epidemiology and Biostatistics in the School of Medicine, University of California, San Francisco. He is also Professor of Pediatrics and of Family and Community Medicine and Adjunct Professor of Epidemiology and Health Administration at the School of Public Health at the University of California, Berkeley. Educated at Stanford University and the Duke University School of Medicine, Professor Rutherford is board certified in pediatrics and in general preventive medicine and public health.

Following training in epidemiology in the Centers for Disease Control’s Epidemic Intelligence Service, he spent the majority of his professional career in public health practice, with a primary emphasis on the epidemiology and control of communicable diseases. He has held a number of positions in public health agencies, including serving as the State Health Officer for the California Department of Health Services, the State Epidemiologist for the California Department of Health Services, the Director of the AIDS Office for the San Francisco Department of Public Health and the Director of the Division of Immunizations for the New York City Department of Health.

Professor Rutherford is currently the director of the Joint UCSF-University of California, Berkeley Residency Program in Public Health and General Preventive Medicine. He also is the Director of the Center for AIDS Prevention Studies’ International Program and the Coordinating Editor of the Cochrane Collaborative Review Group on HIV Infection and AIDS.

At the University of California, Professor Rutherford teaches courses on public and international health, public health surveillance, preventive medicine, and the design of clinical research trials. His current research interests include the epidemiology and control of human immunodeficiency virus infection and AIDS-related opportunistic infections, especially in the developing world, the prevention of coccidioidomycosis, sexually transmitted disease control in California, pediatric vaccination policy, the role of public health in managed care, evidence-based public health practice, the epidemiology and control of tuberculosis in California and emerging infectious diseases.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Kelly JD, Richardson ET, Drasher M, Barrie MB, Karku S, Kamara M, Hann K, Dierberg K, Hubbard A, Lindan CP, Farmer PE, Rutherford GW, Weiser SD. Food Insecurity as a Risk Factor for Outcomes Related to Ebola


Rutherford GW, Geng E. Supplementary antimicrobials for patients with HIV and <100 CD4 cells/µL are associated with improved survival. Evid Based Med. 2017 12; 22(6):209. PMID: 29133303.


Saldanha IJ, Li T, Yang C, Ugarte-Gil C, Rutherford GW, Dickersin K. Social network analysis identified central outcomes for core outcome sets using systematic reviews of HIV/AIDS. J Clin Epidemiol. 2016 Feb; 70:164-75. PMID: 26408357; PMCID: PMC4733392 [Available on 02/01/17].


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

GH15-1615, NAMIBIA, UCSF-GSI Technical Assistance in Strategic Information and Health Systems Strengthening under NAMPHACTS
CDC/CGH U2GGH001410 Apr 1, 2015 - Mar 31, 2020
Role: Principal Investigator
Enhancing Strategic Information Capacity for HIV/AIDS Programs in Kenya through Surveillance and Epidemiology, Monitoring and Evaluation under the U.S. PEPFAR (Program Area A and Program Area B)
CDC/CGH U2GGH001520 Apr 1, 2015 - Mar 31, 2020
Role: Principal Investigator
GH13-1328, HQ, Technical Assistance to Countries Supported by the PEPFAR and Global
CDC/CGH U2GGH000977 Sep 30, 2013 - Mar 31, 2019
Role: Principal Investigator

RWANDA TRIANGULATION PROJECT
CDC/NCHHSTP U2GPS002742 Sep 30, 2010 - Sep 29, 2014
Role: Principal Investigator

PS09-990: CDC KENYA - MONITORING AND EVALUATION (M&E)
CDC/NCHHSTP U2GPS001814 Sep 30, 2009 - Mar 31, 2015
Role: Principal Investigator

PROVISION OF TECHNICAL ASSISTANCE TO STRENGTHEN HIV STRATEGIC INFORMATION ACTIVIT
CDC/NCHHSTP U2GPS001945 Sep 1, 2009 - Mar 31, 2015
Role: Co-Principal Investigator

PS09-904: GHANA UCSF TECH. ASSISTANCE TO SUPP. PRESIDENTS EMERGENCY PLAN FOR AIDS
CDC/NCHHSTP U2GPS001469 Apr 1, 2009 - Mar 31, 2015
Role: Principal Investigator

PS09-904 ATLANTA HQ UCSF TECHNICAL ASSISTANCE TO SUPPORT PEPFAR
CDC/NCHHSTP U2GPS001468 Apr 1, 2009 - Mar 31, 2014
Role: Principal Investigator

PS09-904: TANZANIA UCSF TECH. ASSISTANCE TO SUPP. PRESIDENTS EMERG. PLAN FOR AIDS
CDC/NCHHSTP U2GPS001472 Apr 1, 2009 - Mar 31, 2014
Role: Principal Investigator
UNIVERSITY OF ZAGREB SCHOOL OF MEDICINE
PROPOSAL OF DOCTORAL PROGRAMME „BIOMEDICINE AND HEALTH SCIENCES“

UNIV. TECHNICAL ASSISTANCE PROJECTS IN SUPPORT OF THE GLOBAL AIDS PROGRAM
CDC/NCHHSTP U62PS922423Sep 30, 2002 - Mar 31, 2010
Role: Principal Investigator

International Traineeships in AIDS Prevention Studies (ITAPS)
NIH/NIMH R25MH064712Jan 8, 2002 - Aug 31, 2019
Role: Principal Investigator

ICOHRTA Brazilian Scientists Program
NIH/FIC D43TW005799Sep 26, 2001 - Apr 30, 2013
Role: Principal Investigator

Center for AIDS Prevention Studies
NIH/NIMH P30MH062246Sep 24, 2001 - Aug 31, 2021
Role: Co-Investigator

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

GH15-1615, NAMIBIA, UCSF-GSI Technical Assistance in Strategic Information and Health Systems Strengthening under NAMPHACTS
CDC/CGH U2GGH001410Apr 1, 2015 - Mar 31, 2020
Role: Principal Investigator

Enhancing Strategic Information Capacity for HIV/AIDS Programs in Kenya through Surveillance and Epidemiology, Monitoring and Evaluation under the U.S. PEPFAR (Program Area A and Program Area B)
CDC/CGH U2GGH001520Apr 1, 2015 - Mar 31, 2020
Role: Principal Investigator

GH13-1328, HQ, Technical Assistance to Countries Supported by the PEPFAR and Global
CDC/CGH U2GGH009775Sep 30, 2013 - Mar 31, 2019
Role: Principal Investigator

RWANDA TRIANGULATION PROJECT
CDC/NCHHSTP U2GPS002742Sep 30, 2010 - Sep 29, 2014
Role: Principal Investigator

PS09-990: CDC KENYA - MONITORING AND EVALUATION (M&E)
CDC/NCHHSTP U2GPS001814Sep 30, 2009 - Mar 31, 2015
Role: Principal Investigator

PROVISION OF TECHNICAL ASSISTANCE TO STRENGTHEN HIV STRATEGIC INFORMATION ACTIVIT
CDC/NCHHSTP U2GPS001945Sep 1, 2009 - Mar 31, 2015
Role: Co-Principal Investigator

PS09-904:GHANA UCSF TECH. ASSISTANCE TO SUPP. PRESIDENTS EMERGENCY PLAN FOR AIDS
CDC/NCHHSTP U2GPS001469Apr 1, 2009 - Mar 31, 2015
Role: Principal Investigator

PS09-904 ATLANTA HQ UCSF TECHNICAL ASSISTANCE TO SUPPORT PEPFAR
CDC/NCHHSTP U2GPS001468Apr 1, 2009 - Mar 31, 2014
Role: Principal Investigator

PS09-904:TANZANIA UCSF TECH. ASSISTANCE TO SUPP. PRESIDENTS EMERG. PLAN FOR AIDS
CDC/NCHHSTP U2GPS001472Apr 1, 2009 - Mar 31, 2014
Role: Principal Investigator
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Maja Sabol, Assist. Prof., Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods in molecular oncology

BIOGRAPHY

Born in Zagreb in 1981, where she completed her graduate Studies of Molecular Biology at the University of Zagreb, Faculty of Science in 2004. She enrolled in Postgraduate Study in 2005, and successfully completed it in 2010, when she defended her thesis titled "Mechanism of HH-GLI signaling pathway activation in ovarian dermoid primary cultures" at the University of Zagreb, Faculty of Science. She also completed a Specialist Course of Project Management in 2013 at the University of Applied Studies “Baltazar Adam Krčelić”, Zaprešić. She was employed at the Ruđer Bošković Institute (RBI) in 2005 as a research assistant, in the group led by prof. dr. sc. Sonja Levanat. There she focused on studying the role of signaling pathways in tumorigenesis, with a special emphasis on the Hedgehog-GLI signaling pathway. From 2013 to 2015 she did her postdoctoral training at the Institute for Molecular Genetics (IMG) in Prague, Czech Republic. During her postdoc, she also spent 3 months at the Institute for Molecular and Cell Biology (IGBMC) in Strasbourg, France. After completing her postdoc, she returned to the RBI as a senior assistant, and since 2016 she is employed as a research associate. She has 24 published papers with more than 190 citations. Currently she is a principal investigator on a project funded by the Croatian Science Foundation.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 24/04/2018
Assistant Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

• from 01/2019 – principal investigator on the Croatian Science Foundation research project “GLIcode - Differential regulation of the GLI code in BRAF/NRAS driven tumors”

• from 05/2017 – associate on the Croatian Science Foundation research project “MIRnaGLI - Novel molecular mechanisms for new therapeutic approaches: Interactions of microRNAs and Hedgehog-GLI signaling pathway in serous ovarian carcinoma”; [HRZZ IP-2016-06-1268] / PI Sonja Levanat


• 9/2013 - 8/2015 - postdoctoral fellow on the project by Czech Ministry of Education, Youth and Sports and the European Social Fund “Founding the expert platform for phenotyping and imaging technologies” OP EC 1.07/2.3.00/30.0050 / PI Radislav Sedlaček


• 2004 – 2006 – assistant on MZOŠ research project “SHH/PTCH/SMO signaling pathway in tumors and malformations” / PI Sonja Levanat

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

• from 01/2019 – principal investigator on the Croatian Science Foundation research project “GLIcode - Differential regulation of the GLI code in BRAF/NRAS driven tumors”

• from 05/2017 – associate on the Croatian Science Foundation research project “MIRnaGLI - Novel molecular mechanisms for new therapeutic approaches: Interactions of microRNAs and Hedgehog-GLI signaling pathway in serous ovarian carcinoma”; [HRZZ IP-2016-06-1268] / PI Sonja Levanat


• 9/2013 - 8/2015 - postdoctoral fellow on the project by Czech Ministry of Education, Youth and Sports and the European Social Fund “Founding the expert platform for phenotyping and imaging technologies” OP EC 1.07/2.3.00/30.0050 / PI Radislav Sedlaček
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. Prof. Tomislav Sajko, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University hospital center Sestre milosrdnice, ERF

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Surgical therapy of pituitary tumors

BIOGRAPHY

From 01.05.2007-currently. Neurosurgeon at the Department of Neurosurgery University Hospital Center “Sestre milosrdnice”, Zagreb, Croatia

November 2008-October 2009. Epilepsy surgery fellowship at the Department of Neurosurgery University Hospital Bonn, Germany, granted by the Deutscher Akademischer Austausch Dienst-German Academic Exchange Service (DAAD). Supervisor: Professor Johannes Schramm, President of EANS

29.01.2010. European Association of Neurosurgical Societies (EANS)/ European Union of Medical Specialists /UEMS) licence examination in Neurosurgery

20.04.2007. Croatian state licence examination in Neurosurgery

14.06.2006. PhD thesis in Biology at the Faculty of science University of Zagreb, Croatia

19.11.1998. Croatian state licence examination for medical doctors

04.07.1997. graduated from Medical School University of Zagreb


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
Collaborator: Molecular markers of neuronal vulnerability, adaptation and plasticity in acute and chronic brain lesion (NeuroReact) (leader: Professor Kalanj Bogner; Croatian Science Foundation)
2011 collaborator on scientific-investigational project of Ministry of science Republic of Croatia No. 108-1081870-2415: “Structural and functional glicolipidomics of brain development and malignant alteration”. (Leader: Professor Ž. Vukelić)
2001-2005. collaborator on scientific-investigational project of Ministry of science Republic of Croatia No.134018: “Current principles in treatment of severe head injury” (Leader: Professor Lucijan Negovetić, MD, PhD)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
Collaborator: Molecular markers of neuronal vulnerability, adaptation and plasticity in acute and chronic brain lesion (NeuroReact) (leader: Professor Kalanj Bogner; Croatian Science Foundation)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Aida Salihagić Kadić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Medical School University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Fetal and Neonatal Neurophysiology, Fetal Behavior

BIOGRAPHY

She was born on 6th May 1959. She graduated from the University of Zagreb Medical School in 1984 and has been employed at the Department of Physiology since 1986. MSc thesis in 1988 and PhD thesis in 1989. The second postgraduate study Ultrasound in Clinical Medicine completed in 1993. From January 1995 to April 1996: postdoctoral fellow (INSERM-French Ministry of Science Fellowship Award)-collaborator on the scientific projects «Hypoxia in utero, brain lesions, postnatal behavior» and «Development of the fetal brain and cocaine intoxication». In 1992, she was appointed on the position of Assistant Professor and in 1997 the Associate Professor of Physiology, Immunology and Fundamental Neuroscience. From 2000 to 2004-Head of the Department of Physiology, University of Zagreb Medical School. In 2008 she was appointed on the position of Full Professor (field Basic Medical Sciences, branches Physiology and Neuroscience) and in 2013 permanent position of Full Professor. She was leader of 4 scientific projects, financed by the Ministry of Science, Education and Sports of the Republic of Croatia and 1 project financed by University of Zagreb. She was mentor for 9 graduation theses and 2 doctoral theses (one of them is voted and awarded for the best dissertation at the University of Zagreb Medical School in 2002). She is mentor of one PhD thesis. Research area: fetal physiology, intrauterine growth restriction and fetal hypoxia, fetal behaviour, perinatal brain damage. She has developed a non-invasive method for the assessment of cerebral blood vessels in the fetuses exposed to chronic hypoxia and participated, together with an international team of scientists, in the creation of a new test for the evaluation of the neurological status of the fetus. She is the author of numerous chapters in the field of fetal physiology and neurophysiology in nationally and internationally published books and the author/co-author of 6 handbooks (3 university), 3 university textbooks, and scientific book. She has published 36 papers indexed in Current Contents, and 26 papers indexed in other international index publications (Science Citation Index, IM, Exerpta Med). Total citation (Scopus): >1160, h-index: 20. She is a member of the Croatian Society for Neuroscience and the World Association of Perinatal Medicine as well as an associate member of the International Academy of Perinatal Medicine and she has been Vice President of the Croatian Society of Physiologists since 1999.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


13. Salihagić Kadić A, Predojević M. What We have Learned from Fetal Neurophysiology? Donald School Journal of Ultrasound in Obstetrics & Gynecology 2012; 6(2) :179-188.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1991-96: Group leader and principle investigator on the scientific project: “Arise and development of the fetal circulation detected by transvaginal color Doppler”, granted by Croatian Ministry of Science

1995-1996: Collaborator on scientific projects “Hypoxia in utero, brain lesions, postnatal behavior”, INSERM, Tours, France

1995-1996: Collaborator on scientific projects “Development of the fetal brain and cocaine intoxication”, INSERM, Tours, France

1997-2001: Group leader and principle investigator on the scientific project: “Fetal hypoxia and cerebrovascular reactivity”, granted by Croatian Ministry of Science

2002-2006: Group leader and principle investigator on the scientific project: “Fetal hypoxia index in prevention of perinatal brain damage”, granted by Croatian Ministry of Science


2013-14: Group leader and principle investigator on the scientific project „New algorithm for the prevention of neurological disabilities and damage in children with intrauterine growth restriction “, granted by University of Zagreb

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


2013-14: Group leader and principle investigator on the scientific project „New algorithm for the prevention of neurological disabilities and damage in children with intrauterine growth restriction “, granted by University of Zagreb

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:
FIRST NAME, LAST NAME AND THE TITLE OF THE TEACHER: SANDA SARDELIĆ, PHD, MD
NAME OF THE INSTITUTION OF EMPLOYMENT OF THE TEACHER: UNIVERSITY HOSPITAL CENTER SPLIT
NAME OF THE COURSE/MODULE THAT SHE TEACHES: Multiresistant bacteria associated with nosocomial infections

BIOGRAPHY
EDUCATION:
1983-1989 MEDICAL SCHOOL SPLIT UNIVERSITY OF ZAGREB - Medical degree MD
1992-1995 POSTGRADUATE STUDY IN CLINICAL PHARMACOLOGY, UNIVERSITY OF ZAGREB MEDICAL SCHOOL
1995 - MEDICAL SCHOOL UNIVERSITY OF ZAGREB MASTER OF SCIENCE DEGREE MSc
1996-2000 SPECIALIZATION IN MEDICAL MICROBIOLOGY, UNIVERSITY HOSPITAL CENTRE SPLIT AND ZAGREB
November 9th, 1998 Assistant, Department of Microbiology Medical School University of Split
1998-2000 POSTGRADUATE STUDY IN MICROBIOLOGY AND PARASITOLOGY UNIVERSITY OF ZAGREB MEDICAL SCHOOL
2010 MEDICAL SCHOOL UNIVERSITY OF ZAGREB DOCTORAL DEGREE PhD
2014 MEDICAL SCHOOL UNIVERSITY OF SPLIT - SCIENTIFIC ASSOCIATE

EMPLOYMENT:
1989-1990 RESIDENCY-CLINICAL HOSPITAL SPLIT
1990-1991 GENERAL PRACTITIONER SPLIT
1991 - 1996 UNIVERSITY HOSPITAL CENTRE SPLIT, DEPARTMENT OF CLINICAL PHARMACOLOGY
1996 TO DATE UNIVERSITY HOSPITAL CENTRE SPLIT, DEPARTMENT OF CLINICAL MICROBIOLOGY

DATE OF LAST APPOINTMENT TO A RESEARCH RANK: July 2nd, 2014, Scientific Associate Medical School University Hospital Centre Split

LIST OF PUBLISHED WORK WHICH QUALIFIES HER FOR THE IMPLEMENTATION OF THE PROGRAMME:

PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF THE PROJECTS IN WHICH SHE PARTICIPATED WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

Mechanisms of antimicrobial resistance of Gram-negative bacteria, project code 108-1080114-0015, Medical School Zagreb

**LIST OF THE PROJECT IN THE LAST FIVE YEARS**

University of Zagreb research grants-COLLABORATOR

2014: Postexposure effect of metal chelators on carbapenemase producing Gram-negative bacteria

2015: Multiresistant Gram-negative bacteria in long term care facilities

2016: Carbapenemases in hospitals, nursing homes and environment

2017: Mechanisms of spread of OXA-48 carbapenemase

2018: Mechanisms of colistin resistance in Gram-negative bacteria

**THE NUMBER OF SUCCESSFUL MENTORSHIPS WHICH RESULTED IN DISSERTATION DEFENCE:** 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Sven Seiwerth, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Morphological research methods in biomedical sciences

BIOGRAPHY

Date and place of birth: 20.02.1959, Zagreb.
Faculty of Medicine: University of Zagreb. Joined 1977 graduated in 1983.
Prerequisites: DZ Center, Zagreb, 1984.
Professional Exam: 1984. year
Scientific number: 177914
Professional and scientific advancement:
Specialist Pathology Practice: From November 1986 to February 1990
Scientific Assistant at the Department of Pathology at the Faculty of Medicine, University of Zagreb, 1990.
Assistant professor in cumulative work in the Department of Pathology: 1996
Associate Professor: 2001
Full professor in 2007
Tenure: 2012
Working place: Department of Pathology at the Faculty of Medicine of the University of Zagreb from 1985 until today
Clinical Base: KBC Zagreb, from 1996 until today
Field of Professional Work: Pathology of the Locomotor System, Pulmonary Pathology, Molecular Pathology

Prof. Seiwerth is a full time tenured professor of pathology, Head of the Department of Pathology and Head of the Department of Pathology at the Faculty of Medicine, University of Zagreb, and head of the Department of Pathology of Bone and Soft Tissue and Pathology of the Clinical Institute of Pathology of KBC Zagreb. In the last five and a half years, he was a Vice-Dean of the School of Medicine, and three years ago Assistant Dean for Graduate Teaching. For thirty years he has been continuously participating in all forms of graduate and postgraduate studies at the Faculty and at the ent of Health and continuing education courses. He is intensively involved in scientific work and encourages and assists the academic work of students and younger colleagues. He is in the group of the most successful scientists of our faculty (over 135 papers in PubMed and over 120 in CC). He is involved in the inter-institutional and international cooperation of the School, and is a member of the working group for the creation of the Catalogue of Knowledge and Skills, the Clinical Skills Booklet and the Learning Outcomes Catalogue. In four terms, he is the Secretary General of the Croatian Association of Pathologists and Judicial Medics with the task of international cooperation, and the National Representative at UEMS / Board of Pathology, where he is also the Secretary General. He has also been appointed National Coordinator for Specialist Training in Specialization in Pathology and has successfully completed the development of a new specialty program "Pathology and Cytology Logic", which combines the two specializations (Pathological Anatomy and Clinical Cytology), thus leaving Croatia to be one of the two remaining EU
countries with separate specialization. Organized or participated in the organization of numerous domestic and international conferences, one of the main organizers of the European School of Pathology Zagreb Edition, one of the initiators and major organizers of the Pannonia Congress of Pathology (a biennial regional congress that includes Austria, Czech Republic, Croatia, Hungary, Slovakia and Slovenia), and President of the Organizing Committee of the Memorial Meeting Sergey Saltykov. He is a member of the Regional Council for Biomedicine at the University of Zagreb (six years) and the University Senate.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 15.05.2012

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Quantitative analysis and transmission of images in pathology
Pentadecapeptide BPC 157 - Further research
Influence of pentadecapeptide BPC 157 on female urogenital system
The effect of BPC 157 on induced bilijar obstruction
Hepatocellular tumours
Comparative diagnostics, morphometry and human and animal tumor analysis
Shaping bone defect after implantation
Pentadecapeptide BPC 157 - Effective Therapy of Muscle and Tinnitus
Genetic research of the effect of BPC-157 on microorganisms
Lipids, free radicals and their messengers in integrative oncology
Oxidative stress and central nervous system tumours
Pharmacogenetics in Paediatric Oncology
Malignant diseases in children
Genetic Therapy of Mineralized Tissues
Mechanisms of lipoprotein structure damage by external factors
Molecular basis of thyroid cancer criteria in the treatment of differentiated carcinomas
Molecular mechanisms of the formation of precancerous and cancerous lesions of the oral cavity
Influence of organized education on quality of work in outpatient care
Cytological indicators of cell proliferation
Doppler myocardial in early detection and monitoring of cardiovascular diseases
Experimental and Clinical Endodontology
Experimental embryonic tumours and development of mammalian embryos in vitro and in vivo
Epigenetic changes of pancreatic cell carcinoma of the head and neck
Carcinogenesis in Thyroidism and Stomach in Croatia
Treatment of diseases and injuries of large joints of cartilage
Modelling bioactive molecules and testing their properties and effects
Modelling of molecules and materials by methods of mathematical and computer chemistry
Molecular genetics and pharmacogenetics of gastrointestinal tumours
Molecular pathology in neoplasms of the female sex system
Molecular profiling of metastatic breast tumours
Male and female sexual system: development, normal histophysiology and infertility
Application of the principle of medicine founded on scientific knowledge in the general hospital
Prognostic value of FOXP1 and FOXP3 in B lymphoproliferative diseases
Changed status of DNA methylation in HPV-related lesions
Changes in the telencephalic wall in patients with hydrocephalus
Developmental neuropathology of genetic malformations of human brain cortex
Thermal changes in bone healing after fracture
Radiation in patients with prostate cancer on Tregs-lymphocytes
Heart failure in Croatia

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 8
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Jadranka Sertić, full professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb, University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Movement Disorders, Biochemical methods in biomedical research; Selected chapters in epileptology in developmental age; Molecular and biochemical approach to genetic disorders; Genomic approaches in biomedical and translational research; Methods of molecular biology in medicine

BIOGRAPHY

Born: 1956. Education: 1980 Bsc, University of Zagreb, School of Biotechnology. 1985 MSc-MEF Zagreb, 1992 PhD-MEF Zagreb, 1992 specialist in medical biochemistry. Work experience: 1988-1990 researcher - Max Planck Institute for Biology Tuebingen, 2005-2012 Head of Department of Laboratory Diagnostics, University Hospital Centre Zagreb, 2011-Head of Clinical Unit for Molecular Diagnostics, Department of Laboratory Diagnostics, University Hospital Centre Zagreb. 2006-2011 associate professor, 2012-2016 full professor, 2016-full professor permanent position at the Department of Medical Chemistry, Biochemistry and Clinical Chemistry, School of Medicine, University of Zagreb. Scientific interest: laboratory medicine, hereditary diseases, molecular genetic and biochemical approach. Award: School of Medicine, University of Zagreb in scientific productivity in the project period 2007-2011, (" Genomics and proteomics risk factors of atherosclerosis"). Publications: more than 80 scientific papers, of which 59 in CC, more than 1300 CC and SCI citations, h-index=21, mentor of 8 doctoral dissertations, editor of two university textbooks. Memberships: Croatian Chamber of Medical Biochemists, Clinical Genetic Society of Croatia, Croatian Catholic Medical Society, 1999-2000 Croatian delegate at the IFCC, 1996-2012 at the EMQN. Teaching experience in postgraduate studies: leader of two courses in the Ph.D. program Biomedicine and Health Sciences, School of Medicine, University of Zagreb.


Selected publications:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


1995- 2000. BIOMED - ApoEurope Project (leader G. Siest)

2008-2010.INTERGERS- Integrating and strengthening genomic research in South-Eastern Europe, ( FP7, leader F. Borovečki)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2013-2015. The role of gene markers in the development of early stroke, supported by the University of Zagreb (leader, J. Sertić).

2016. Interaction of Hp, CYP2C9, CYP2C19 and PPARy in the development of cerebrovascular ischemic stroke, supported by the University of Zagreb (leader, J. Sertić).


2017-2018. The role of genetic and biochemical markers in the development of monogenic diabetes, supported by the University of Zagreb (leader, J. Sertić).

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 8
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: assistant prof. Nino Sinčić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Epigenetics, Methods of investigation in vivo and in vitro; Methods of molecular biology in medicine

BIOGRAPHY

Nino Sinčić graduated at the School of Medicine University of Zagreb in 2005 and enrolled in a postgraduate doctoral program "Biomedicine and Health". In 2006 he was elected as assistant at the Department of Biology School of Medicine University of Zagreb, where he remains to date. In 2012, he gained a Ph. D. in Biomedicine and Health Sciences from the field of Basic Medical Sciences and promoted in scientific associate in 2013 and in 2015 in assistant professor. His research primarily focuses on the research of genetics and epigenetics in experimental teratocarcinoma and teratoma obtained by transplantation of embryos or parts thereof into the ectopic site and testicular tumors in humans. Among many trainings and professional educations, most prominent are training in epigenetic analysis at International Agency for Research on Cancer - World Health Organization (FR) in 2008 and 2009, in stem cell biology at Cold Spring Harbor (USA) in 2012, and in stem cell biology at Cold Spring Harbor (USA) in 2012, and in cancer research during "IARC 50 for 50: Empowering future cancer research leaders" on a direct call from the organizer International Agency for Research on Cancer - World Health Organization (FR) in 2016. He has published 19 scientific articles with significant scientific contributions, of which 9 in CC, 8 in SCI, 1 in Index Medicus and 1 in Excer. Medica. His work was cited 179 times (153 without self-citations). He published 1 book chapter indexed in Scopus. He held 11 lectures at scientific conferences and participated in national and international scientific conferences with 64 congress poster presentations, 3 were indexed in CC base, 2 in SCI base and 1 in Scopus database. He is a member of numerous societies and the winner of ARCA awards.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 18.05.2015.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

- 2019-2023 Consultant in the project "Prevention of Hypoglycemia in Pregnant Woman with Type 1 Diabetes". School of Medicine, University of Zagreb financed by CSF.

- 2018-2023 PI in the project "Epigenetic Biomarkers in Prostate Cancer". School of Medicine, University of Zagreb financed by CSF.

- 2017-2022 PI of project element "Testicular Germ Cell Tumors Epigenetics" and associate on other elements "Reproductive and Regenerative Medicine - Exploring New Platforms and Potentials" The European Union through the European Regional Development Fund, Operational Programme Competitiveness and Cohesion, under grant agreement No. KK.01.1.1.01.0008, within the Center of Excellence for Reproductive and Regenerative Medicine (CERRM). School of Medicine, University of Zagreb.

- 2017-2021 Co-PI in the project "Epigenetic Biomarkers in Blood and Ejaculate of Patients with Testicular Seminoma". School of Medicine, University of Zagreb financed by CSF.

- 2013-2018 collaborator UNIZG projects.

- 2014. to date Scientific Center of Excellence for reproductive and regenerative medicine, research unit for biomedical research reproduction and development

- 2006-2013. Collaborator in the project "Experimental embryonic tumors and development of mammalian embryos in vitro and in vivo." School of Medicine, University of Zagreb. MZOS.

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

- 2019-2023 Consultant in the project "Prevention of Hypoglycemia in Pregnant Woman with Type 1 Diabetes". School of Medicine, University of Zagreb financed by CSF.

- 2018-2023 PI in the project "Epigenetic Biomarkers in Prostate Cancer". School of Medicine, University of Zagreb financed by CSF.

- 2017-2022 PI of project element "Testicular Germ Cell Tumors Epigenetics" and associate on other elements "Reproductive and Regenerative Medicine - Exploring New Platforms and Potentials" The European Union through the European Regional Development Fund, Operational Programme Competitiveness and Cohesion, under grant agreement No. KK.01.1.1.01.0008, within the Center of Excellence for Reproductive and Regenerative Medicine (CERRM). School of Medicine, University of Zagreb.

- 2017-2021 Co-PI in the project "Epigenetic Biomarkers in Blood and Ejaculate of Patients with Testicular Seminoma". School of Medicine, University of Zagreb financed by CSF.

- 2014. to date Scientific Center of Excellence for reproductive and regenerative medicine, research unit for biomedical research reproduction and development
- 2013-2018 collaborator UNIZG projects.
- 2006-2013. Collaborator in the project "Experimental embryonic tumors and development of mammalian embryos in vitro and in vivo." School of Medicine, University of Zagreb. MZOS.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Maja Sirotković Skerlev, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular genetics of gastrointestinal tumors

BIOGRAPHY

Maja Sirorković-Skerlev, MBZ: 119524
Associate professor
Department of Pathophysiology, School of Medicine, University of Zagreb, KBC Zagreb, Kišpatićeva 12, 10 000 Zagreb, Croatia
e-mail: majas@irb.hr

Education

2001, Ph.D., School of Medicine, University of Zagreb
1990/1991, education in Dana Farber Cancer Institute, Harvard Medical School, Boston, USA
1990, specialization in internal medicine, (board examination in June 1990)
1985, M.sc., School of Medicine, University of Zagreb
1982-1984, postgraduate study: Preclinical Experimental Pharmacology, School of Medicine, University of Zagreb
1982, MD, School of Medicine, University of Zagreb

Work experience

1984 – today, School of Medicine, University of Zagreb, Department of Pathophysiology (october 1984: associate, 1986: assistant lecturer, 2002: assistant lecturer with PhD, 2008: asst.professor, 2014: associate professor)
1986-1990, specialization in internal medicine
1984, Črnomerec Community Health Plan, Zagreb, Croatia, general practitioner
1983-1984, Črnomerec Community Health Plan, Zagreb, Croatia, internship, Medical Licence in 1984

Teaching activities

Since 1984/85 Graduate study, Pathophysiology, School of Medicine, University of Zagreb
Since 1993/94 Elective course «Breast Cancer»
Since 1993/94 Elective course «Surgical threatment of acute ischemia»
2000/01- 2009/10 Postgraduate course «Acute ischemia in vascular surgery»
Since 2005/06 Medical studies in English, Pathophysiology
Since 2015/16   Doctoral study in Biomedicine and Health Sciences, School of Medicine, University of Zagreb: Molecular genetics of gastrointestinal tumors
Since 2015/16   Postgraduate study: Dermatovenereology
Since 2016/17   Postgraduate study: Medical oncology
Since 2017/18   Postgraduate study: Vascular surgery

Scientific grants
1989-1995, collaborator of scientific project “Molecular characterisation of tumors-basic and clinical aspects “
1996-2002, collaborator of MZOS scientific project „Breast cancer-molecular characterization-clinical aspects“
2002-2006, collaborator of MZOS scientific project „Molecular and clinical characteristics of breast cancer “
2007-2014, collaborator of MZOS scientific project “Breast cancer- molecular, genetic and clinical characteristics”
2007-2014, collaborator of MZOS scientific project «Molecular genetics and pharmacogenetics of gastrointestinal tumors”
2015, principal investigator, Zagreb University fund for scientific research: «Circulating autoantibodies in early diagnosis of breast and colon cancer”
2016, principal investigator, Zagreb University fund for scientific research: «Significance of circulating autoantibodies in early diagnosis of breast and colon cancer”

Awards:
1979 and 1980. Dean’s award, School of Medicine
1980 and 1981. Rector’s Award for excellent credit (credit: 4,91= 98%)
1982. Annual University Award for two student’s research papers

Supervision
3 graduation thesis, School of Medicine, University of Zagreb

Scientific publications
21 (14 indexed in Current Contents)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:
14.07.2014. Associate professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1989-1995, collaborator of scientific project “Molecular characterisation of tumors-basic and clinical aspects”

1996-2002, collaborator of MZOS scientific project „Breast cancer-molecular characterization-clinical aspects“

2002-2006, collaborator of MZOS scientific project „Molecular and clinical characteristics of breast cancer “

2007-2014, collaborator of MZOS scientific project “Breast cancer- molecular, genetic and clinical characteristics”

2007-2014, collaborator of MZOS scientific project «Molecular genetics and pharmacogenetics of gastrointestinal tumors”

2015, principal investigator, Zagreb University fund for scientific research: «Circulating autoantibodies in early diagnosis of breast and colon cancer”

2016, principal investigator, Zagreb University fund for scientific research: «Significance of circulating autoantibodies in early diagnosis of breast and colon cancer”

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2007-2014, collaborator of MZOS scientific project “Breast cancer- molecular, genetic and clinical characteristics”

2007-2014, collaborator of MZOS scientific project «Molecular genetics and pharmacogenetics of gastrointestinal tumors”

2015, principal investigator, Zagreb University fund for scientific research: «Circulating autoantibodies in early diagnosis of breast and colon cancer”

2016, principal investigator, Zagreb University fund for scientific research: «Significance of circulating autoantibodies in early diagnosis of breast and colon cancer”

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Associate Prof. Ivica Sjekavica

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine,
University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liver transplantation in children

BIOGRAPHY

I was born on September 10, 1961 in Dubrovnik where I finished elementary and high school. In 1981 I entered the Faculty of Medicine of the University of Zagreb. In May 1987 I graduated. I did the internship at the Health Center "Novi Zagreb" and in November 1988 she passed a state exam.

In the school year 1987/88 I enrolled postgraduate studies from the direction of Epidemiology at the Faculty of Medicine, University of Zagreb. In September 1989 I graduated with the work "Frequency of malignant neoplasms of colon and colon."

From November 1989 until I went to specialization in December 1992, I worked as a physician of the General Hospital for Emergency Medical Services in Dubrovnik. I participated in the Homeland War, where besides the work in Emergency Medical Assistance I also performed the duties of the Mayor of the Home Defense Department of the 163th Croatian Brigade.

I was specializing in the Department of Diagnostic and Intervention Radiology of the Clinical Hospital "Sestre milosrdnice" in Zagreb from January 1993 to January 1996.

In February 1996, I passed a specialist examination in Radiology, and from March of the same year to this day, I work as a radiologist and vice president of the Clinical Institute for Diagnostic and Interventional Radiology, KBC Zagreb.

Since January 2001 I have been appointed Associate Professor in cumulative employment in the Department of Radiology and General Clinical Oncology MF in Zagreb and from May 2005 in Associate Professor of Senior Assistant at the same Chair.

In May 2005 I defended my doctoral dissertation titled "The Role of a Colored and Pulsed Doppler in the Evaluation of Crohn's Disease Activity by Flow in the Upper Mesenteric Artery and in the Dense Bowel Cluster".

In September 2009 I was elected a scientific associate and a professor of sciences in the Department of Radiology of MF University of Zagreb.

In December 2014 I was elected as a senior scientific associate in the scientific field of biomedicine and health - the field of clinical medical science.

In November 2015 I was elected as a professor of sciences and science.

As the first author or co-author I have published 30 papers, out of which 10 papers were published in CC quoted journals, 1 paper in SCI magazine, 12 papers in Medline / Scopus / Embase indexed journals, and 7 papers in non-indexed journals. As an author or co-author I have published 11 papers whose summaries were published in CC-indexed journals, 31 lectures at domestic and foreign professional and scientific meetings whose summaries were published, and 12 lectures whose summaries were not published. I am an active associate in 3 scientific projects and 2 multicentric clinical studies. I have published 6 textbooks in the textbooks "Radiology", "Seminars from Clinical Radiology", "Kidney Transplantation" and "Ultrasound Abdominal" and 3 textbooks related to postgraduate ultrasound courses of 1st category. Since December 2014, I am a subspecies of ultrasound radiology.
I am a member of the Croatian Chamber of Physicians, the Croatian Society of Radiologists, the Croatian Medical Association, the Croatian Society for Ultrasound in Medicine and Biology, the Croatian Society for Perinatal and Gynecology, the Croatian Society for Traumatology.

Since 2001 I have been a full member of the European Department of Gastrointestinal and Abdominal Radiology (ESGAR), since 2007 European Radiological Society (ESR), since 2010 European Federation of Ultrasound Associates in Medicine and Biology (EFSUMB) since 2012 World Interactive Focused on Critical Ultrasound (WINFOCUS)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


M.Nizić, M.Šimunović, M.Jelić, I.Sjekavica: The patellar shape is independent of age, sex, laterality, the lateral patellar inclination angle and presence of trochlear dysplasia. C-2037. ECR 2018.

M.Nizić, M.Šimunović, M.Jelić, I.Sjekavica: The patellar shape is independent of age, sex, laterality, the lateral patellar inclination angle and presence of trochlear dysplasia. ESSR June 13-16. Amsterdam.

Sažetci kongresnih priopćenja


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Perception and prevention of risk factors for atherosclerosis in Croatia
Diagnosis and treatment of lymphoma
A review of perinatal factors relevant to long-term neurestoping outcomes
Inflammatory bowel disease (Crohn’s disease and ulcerative colitis)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: PROF LEA SMIRCIC DUJNIJAK, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb, Vuk Vrhovac University Clinic-UH Merkur

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: METABOLIC SYNDROME

BIOGRAPHY

LEA SMIRCIC DUJNIJAK
Meduliceva 18b, Zagreb
E-mail lduvnjak@idb.hr
mob:0989327573

Education:
MD- Medical School, University of Zagreb 1986;
speciality and subspeciality- internal medicine 1995, endocrinology and diabetology 2006;

Professional experience:
GP- Health Centre Tresnjevka, 1986-1989
residency in internal medicine, "KB Sestre milosrdnice" 1989-1995
specialist in internal medicine, "KB Sestre milosrdnice"1996-1997
specialist in internal medicine, endocrinologist and diabetologist, Vuk Vrhovac University Clinic 1997-2010
head of the Department of Endocrinology and Deputy director of Vuk Vrhovac University Clinic 2010-2014
Director of Vuk Vrhovac University Clinic 2014

Academic achievements:
Master degree- 1991, Medical school University of Zagreb
Ph.D Thesis -1999, Medical school University of Zagreb
scientific advisor and full professor, 2013 Medical school University of Zagreb

Training:
Postgraduate study in Clinical pharmacology 1991, Medical school University of Zagreb
Postgraduate study in Diabetology in 1999, Medical school University of Zagreb
Postgraduated courses of I category in Abdominal and thyroid ultrasound in 1996, Medical school University of Zagreb
International Course of good Clinical Practice, 2001, Vuk Vrhovac Clinic.
Diabetes Specialist Training-1999, Indianapolis, USA
From glycemic monitoring to the therapeutical use- specialist training, 2004, Pisa, IT
Treatment of type 2 Diabetes- speakers training, 2007, Vilnius, Lithuania
RFMC, Department of Medicine, St Michael Hospital, 2014, University of Toronto, Canada
RFMC, Department of Medicine, St Michael Hospital, 2015, University of Toronto, Canada
Incretin Study Group Training, 2015, Copenhagen, Denmark
RFMC, Department of Medicine, St Michael Hospital, 2016, University of Toronto, Canada
Incretin Study Group Training, 2017, Pisa, IT

Publications:
scientific and professional papers: 52 indexed in Current Contents, 10 in SCIE, 31 in Index Medicus and Excerpta Medica
73 abstracts indexed in Current Contents
29 congress proceedings

Book chapters:
2. Lea Smirčić Duvnjak “Hypertension and the metabolic syndrome”, in: Topic, Brguljan, Blaton (eds), New trends in diagnosis, monitoring and management of metabolic syndrome, 6th FESCC Continuous Postgraduate Course in Clinical Chemistry Dubrovnik, 2007, p. 53

Scientific projects:
1989-1995 - investigator "Biološki markeri u dijagnostici i terapiji adenoma hipofizė" (n. 3-01-435), Croatian Ministry of Science
1996-2002 - investigator "HBVx protein- karcinogeneza i genska terapija" (n. 134008), Croatian Ministry of Science.
2002-2007 - principal investigator "Autonomic neuropathy and microvascular complications in type 1 diabetes”” (n. 045007), Croatian Ministry of Science
2007-2014 - principal investigator "Metabolic syndrome in type I diabetes" (n. 045- 1080230-0516), Croatian Ministry of Science
2014-2015 - principal investigator “Predictive factors of Metabolic syndrome and microvascular complications in type 1 diabetic patients” - University of Zagreb funded project
2015-2018 - principal investigator Croatian Science Foundation «Relationship between endothelial dysfunction driven by adipocytokines and the development and progression of microvascular complications in patients with type 1 and type 2 diabetes»
2018 - investigator “MODY”-University of Zagreb funded project

International projects

2014-2015- principal investigator in CRO „Efficacy and Safety of co-administration of Rg3-Enriched Korean Red Ginseng (Panax Ginseng C.A. Meyer) and American Ginseng (Panax Quinquefolius in type 2 diabetic patients with hypertension” in collaboration with Clinical Nutrition and Risk Factor Modification Centre, St. Michael’s Hospital, Faculty of Medicine, University of Toronto, Canada

2015- principal investigator in CRO «The International Diabetic Nephropathy (InterDiane) Study»: in collaboration with Department of Medicine, Division of Nephrology, Helsinki University Central Hospital, University of Helsinki, Finland.

2016-2018- principal investigator in CRO „Co-administration of three complimentary therapies (viscous dietary fiber, whole grain and ginseng) for comprehensive risk reduction in type 2 diabetes mellitus” in collaboration with Clinical Nutrition and Risk Factor Modification Centre, St. Michael’s Hospital, Faculty of Medicine, University of Toronto, Canada

2015- principal investigator in CRO, EUROPEAN TRAIN THE TRAINERS PROGRAM ‚the Step by Step foot project, funded by EASD, DFSG (The Diabetic foot Study group) DESG – Diabetes education Study Group, FEND (The Federation of European Nurses in Diabetes) UNMF (Union Nationale des Medicines Federaux) IDF Eur. (European Wound Management Association)

Organization of scientific symposium and conferences:

1990-organizing committee member-znanstveni sastanak Suvremene spoznaje o patologiji stitnjace-Osteoporoza, Razred za medicinske znanosti JAZU, Zavod za Endokrinologiju KB Dr M.Stojanovic, Zagreb

2007-2014- scientific committee member hrvatskog dijabetologskog kongresa s medunarodnim sudjelovanjem Brac, Rovinj, Pula

2007- 2013- scientific committee member hrvatskog endokrinoloskog kongresa s medunarodnim sudjelovanjem Brac, Rovinj, Pula

2007- 2013- scientific committee member hrvatskih dana dijabetologa s medunarodnim sudjelovanjem

2016-local host, co-chair Advances in Diabetes and Insulin Therapy- ADIT, Dubrovnik, CRO,

2017-Local host, co-chair ADIT Course in Clinical Diabetology, Dubrovnik, CRO

2018- Local host, co-chair Advances in Diabetes and Insulin Therapy- ADIT, Dubrovnik, CRO,

2005- 2011: head of 1st category postgraduate course "Bolesnik s metaboličkim sindromom u ordinaciji liječnika opće medicine": Vuk Vrhovac University Clinic, School of Medicine, University of Zagreb

2013-: head of 1st category international postgraduate course "The incretin story-from pathophysiology to treatment” Ustanova: Vuk Vrhovac University Clinic, School of Medicine, University of Zagreb

2014-: co-chair of 1st category postgraduate course “Periferna arterijska bolest i šećerna bolest” Ustanova: Vuk Vrhovac University Clinic, School of Medicine, University of Zagreb
2014- : head of postgraduate course “Dijagnostički i terapijski pristup kroničnim komplikacijama šećerne bolesti”, Vuk Vrhovac University Clinic

2015- head of 1st category international postgraduate course “Cardiovascular approach to type 2 diabetes”, Vuk Vrhovac University Clinic, School of Medicine, University of Zagreb

2017- head of 1st category international postgraduate course “Cardiovascular approach to type 2 diabetes”, Vuk Vrhovac University Clinic, School of Medicine, University of Zagreb

2018- head of 1st category international postgraduate course “Cardiovascular approach to type 2 diabetes”, Vuk Vrhovac University Clinic, School of Medicine, University of Zagreb

2018- co-chair of 1st category international postgraduate course “Diabetes and pregnancy”, Vuk Vrhovac University Clinic, School of Medicine, University of Zagreb

2018- head of international symposium “Type 1 Diabetes- an update”, Vuk Vrhovac University Clinic

Professional Activities

member of editorial board since 1999, editor of journal “Diabetologia Croatica“ since 2013

vice-president of Croatian Society of Endocrinologists and Diabetologists,

member EASD

member ADA

member -Ely-Lilly Advisory board for Eastern Europe

member Rising in Science in Eastern Europe

member -Bohringer Advisory board for Eastern Europe

reviewer:

1. Journal of the American College of Nutrition

2. Preventive Medicine

3. Diabetologia croatica

4. Acta clinica croatica

5. International Journal of Diabetes in developing countries

6. Endocrine

7. Journal of physiology and pharmacology

8. Journal of diabetes and its complications

9. Diabetes research and clinical practice

Scientific achievements:

Received Croatian Medical Chamber award for scientific contribution in 2016.

School of Medicine University of Zagreb award for supervision of one of the best doctoral thesis in 2017
RFMC, St. Michael Hospital, Faculty of Medicine, University of Toronto award for scientific collaboration 2014-2018

Invited speaker:

1. Medikamentna terapija prolaktinoma.


2. Liječenje bolesnika s prolaktinskim tumorom bromokriptinom. 1. hrvatski endokrinološki kongres, Trakošćan, 1995

3. The relationship between AMBP and albuminuria in normotensive type 1 diabetics. 17th IDF, Mexico City, Mexico 2000.

4. Predictive factors of retinopathy in normoalbuminuric and normotensive type 1 diabetics. 37th EASD Annual Meeting, Glasgow, UK, 2001


6. C-reactive protein is associated with high normal urinary albumin excretion in normotensive and normoalbuminuric type 1 diabetic patients. 41th EASD Annual Meeting, Athens, Greece, 2005.


15. Neuroendokrini učinci GLP-1 i rezultati kliničkih ispitivanja s analogom GLP-1, liraglutidom (osvrt na tjelesnu težinu), HKD IV. hrvatski kongres o debljini, Umag, 15-18. travnja 2010


22. Kardiovaskularni učinci GLP-1 analoga, 68. Dani dijabetologa, Vodice, 13.5.2011

23. Byetta kao pravi izbor u adipoznog bolesnika sa šećernom bolešću tipa 2

EAGE, Opatija 21.5.2011

24. Insulin sensitivity modifies the relationship between thyroid function and lipid profile in euthyroid type 1 diabetic patients. 71st ADA Scientific Session San Diego, USA, 2011.

25. Nonalcoholic fatty liver disease markers and insulin resistance in type 1 diabetes. EASD Lisabon, 2011

26. Metabolic Syndrome Management – a multifaceted Therapeutic Approach

FEND 16th Annual Conference, Lisbon, 2011

27. Značaj inzulinske rezistencije u šećernoj bolesti tipa 1. 5 hrvatski endokrinološki kongres s međunarodnim sudjelovanjem, Pula, 2011.


32. Diabetes as a global health issue, Symposium on Diabetic Nephropathy- Croatian Society of Nephrology, Zagreb, 15.2.2013

33. Basal Insulin+GLP-1, a New Step in the Treatment Algorithm, Adriatic Diabetes Forum, Bled, Slovenija, 8-10.3.2013

34. Linagliptin-nova vrijednost u lijecenju šećerne bolesti tipa 2, kongres obiteljske medicine-Zagreb, 16.3.2013


37. Dijabetičko stopalo-okrugli stol, IX susret Intervencijskih radiologa Hrvatske s međunarodnim sudjelovanjem, Trakoscan, 26-28.4.2013

39. Bazalni inzulin + GLP-1, novi korak u algoritmu liječenja šećerne bolesti tipa 2, dijabetesološki kongres Republike Srpske, Banja Luka, 22.3.2013
41. Incretin-based Concepts, 28th Congress of the Federation of the International Danube Symposia on Diabetes (FID) Belgrade, 5.7.2013
42. Povezanost adiponektina i GLP-1 s metaboličkim sindromom u šećernoj bolesti tipa 1, 6. Hrvatski endokrinološki kongres, Poreč 9-13.10.2013
46. Ateroskleroza i šećerna bolest- patofiziološka pozadina PAB Tečaj trajnog usavršavanja liječnika I kategorije PAB i secerna bolest, Zagreb, 30.11.2013
47. Role of incretins in the pathogenesis of type 2 diabetes, School of Medicine University of Zagreb 1st category Postgraduate Course in Diabetology, Zagreb 2013
48. Incretin Based Therapies: the Knowns and the Unknowns Questions Advances in Diabetes and Insulin Therapy ADIT, Budapest, Hungary, 4-6.4.2014
49. New once daily prandial GLP-1 receptor agonist in clinical practice Adriatic Forum, Budva, 10.5.2014
50. Lixisenatide-new GLP-1 agonist, 4. makedonski kongres endokrinologije i dijabetesa 1-4.10.2014
53. SGLT2-inhibitors, web cast for Eastern Europe, Budapest, 4-5.11.2014
55. Uloga inkretina u patofiziologiji dislipidemije, Tečaj Dislipidemije, Medicinski fakultet Rijeka, Rovinj, 21.11.2014
56. Inkretini i kronicne komplikacije secernje bolesti, Dani dijabetologa 29-31.5.2014
57. Dijabetičko stopalo – jedna od najvažnijih kronicnih komplikacija EUROPEAN TRAIN THE FOOT TRAINERS PROGRAM Step by Step foot project, Zagreb, 10.2.2017
58. What to use after Metformin therapy /what to use when Metformin as mono therapy fails -DPP4, Advances in Diabetes and Insulin Therapy- ADIT, Belgrade, Serbia, 19-21.3.2015
59. Which Kind of Diabetes does Your Patient have?
Postgraduate Course Clinical Endocrinology, Zagreb, 27-28.3.2015

60. DPP4 inhibitors in Clinical practice, 1st Regional Diabetes Forum
Rovinj, 20.3.2015


63. Cardiovascular effects of Antidiabetic drugs: APPROACH TO CV RISK IN TYPE 2 DM 1st category
Postgraduate Course School of Medicine, University of Zagreb, 27-28.4.2015

64. Cardiovascular effects of Antidiabetic drugs, 1.sastanak hrvatskog društva endokrinologa i dijabetologa Šibenik, 29-30.5.2015

65. Relationship between serum DPP-4 activity, insulin resistance and microvascular complications in type 1 diabetic patients, First EASD INCRETIN study group, Kopenhagen, Danska, 15-17.1.2015.

66. Diabetes: where we are and where we are headed?, Lilly Symposium, Opatija, 13-15.3.2015

67. Circulating dipeptidyl peptidase-4 activity is associated with metabolic syndrome prevalence in type 1 diabetic patients, ADA, Boston, SAD, 2015.

68. Relationship between Hashimoto’s thyroiditis, autoimmune and metabolic markers in adult onset autoimmune diabetes, Stockholm, Švedska, 2015

69. Smjernice za liječenje šećerne bolesti tipa 2, 1. kongres HDED, Baška 2-4.10.2015

70. Cardiovascular safety of Antidiabetic drugs-do we know enough? NO, Advances in Diabetes and Insulin Therapy- ADIT, Dubrovnik, 21-23.4.2016


72. SUs preference– are the cost savings medically justified?, 2nd REGIONAL DIABETES FORUM, Ljubljana, Slovenia 11-13.3.2016

73. Dijabetički bolesnik s komplikacijama, Krka simpozij Novo Mesto, 2.4.2016

74. Dijabetičko stopalo, Javnozdravstvena tribina HZIZ, Zagreb, 11.5.2016

75. Karcinom gusterace i secerna bolest, 2. kongres HDED, Trakoscan, 14-16.10.2016

76. OAD add ons to metformin - time to move on beyond SU?

SGLT2 inhibitors and SU

Advances in Diabetes and Insulin Therapy- ADIT, Belgrade, Serbia 11-13.5.2017

77. GLP-1 RA and SGLT2 inhibitors combo therapy and CV risk, 1st. category postgraduate course in diabetology, School of Medicine University of Zagreb,

“Approach to CV risk in type 2 Diabetes”, Zagreb, 23.1.2017

78. Dijabetičko stopalo – jedna od najvažnijih kroničnih komplikacija
EUROPEAN TRAIN THE FOOT TRAINERS PROGRAM

Step by Step foot project, Zagreb, 10.2.2017


80. Safety of new antidiabetic therapies: do we know enough?
Course in Clinical Diabetology, Agada institute, Dubrovnik, 9-10.10.2017

81. Cardiovascular effects of Incretin based-therapy, »6. Dan sladkorne bolezni«, Medicinski fakultet Ljubljana, 24.11.2017, Ljubljana, Slovenia

82. Glutamic Acid Decarboxylase Autoantibody is associated with Peripheral Neuropathy in Autoimmune Diabetes in Adults, oral presentation ADA, San Diego, USA, 12.6.2017

83. šećerna bolest i kronične komplikacije
EUROPEAN TRAIN THE FOOT TRAINERS PROGRAM

Step by Step foot project, Zagreb, 3.2.2018

84. How to balance efficacy and safety of new glucose lowering drugs-SGLT 2 inhibitors? Advances in Diabetes and Insulin Therapy- ADIT, Dubrovnik, Croatia, 15-17.4.2018

85. Pathogenesis of type 1 diabetes,
1st Category Postgraduate Course “Diabetes in woman”, School of Medicine, University of Zagreb, 16-17.3.2018

86. TARGETING GASTROINTESTINAL TRACT IN THE TREATMENT OF OBESITY AND TYPE 2 DM, 76th Croatian Congress of Obesity, Opatija, 26-28.4.2018

87. Prevention of CVD based on glucose treatment: the role of incretins, 4th EASD Educational Postgraduate Course DIABETES AND CARDIOVASCULAR DISEASES, Belgrade, Serbia, 31.5 – 2.6. 2018

88. The Future of Diabetes Management Stand-Alone Scientific Symposium- MSD, Dublin, Ireland, 9-10 June 2018

Teaching experience:
School of Medicine, University of Zagreb
1990-1995- Clinical propedeutics, Department of internal medicine KB "Sestre milosrdnice"
1997- Internal medicine, Vuk Vrhovac University Clinic
2002 - Internal medicine, Vuk Vrhovac University Clinic
2006 - internal medicine, medical studies in English, School of medicine, Zagreb.
2000-2005 -PhD programme, "Bolesti hipotalamo-hipofizne zajednice", School of medicine, Zagreb.
2002-2011 - PhD Programme, "Diabetology" Vuk Vrhovac University Clinic, School of medicine, Zagreb.
2005-2012 -PhD Programme, "Znanstveni pristup u dijabetologiji", School of medicine, Zagreb.
2005-2012 - PhD Programme, "Novije spoznaje o patofiziologiji i farmakologiji šećerne bolesti", School of medicine, Zagreb
2005-2018 - postgraduate course for family practitioners Dijabetologija i endokrinologija ,School of medicine, Zagreb
2005 - 2011 head of 1st category postgraduate course, "Bolesnik s metaboličkim sindromom u ordinaciji liječnika opće medicine", School of Medicine, University of Zagreb

2006 - 2009- 1st category international postgraduate course, "Osoba sa šećernom bolesti u ordinaciji liječnika opće medicine", School of Medicine, University of Zagreb

2007-2018 PhD programme „Arterijska hipertenzija i šećerna bolest”, School of Medicine, University of Zagreb

2010- PhD programme, „Metabolički sindrom”, School of Medicine, University of Zagreb

2013-: head of 1st category international postgraduate course, "The incretin story-from pathophysiology to treatment"Vuk Vrhovac University Clinic, School of Medicine, University of Zagreb

2014-: co-chair of 1st category postgraduate course, “ Periferna arterijska bolest i šećerna bolest”, Vuk Vrhovac University Clinic, School of Medicine, University of Zagreb

2014-:head of postgraduate course "Dijagnostički i terapijski pristup kroničnim komplikacijama šećerne bolesti", Vrhovac University Clinic

From 2015- head of 1st category international postgraduate course “Cardiovascular approach to type 2 diabetes”, Vuk Vrhovac University Clinic, School of Medicine, University of Zagreb

2015- pomoćnik voditelja Sveučilišnog poslijediplomskog stručnog studija Endokrinologija i dijabetologija na Medicinskem fakultetu

head of postgraduate specialist studies in Endocrinology and Diabetology:

1. Epidemiologija,dijagnoza I klasifikacija secern bolesti
2. Etiologija i patogeneza šećerne bolesti
3. Liječenje šećerne bolesti
4. Komplikacije šećerne bolesti

2018- co-chair of the 1st category international postgraduate course “Diabetes and pregnancy”, School of Medicine, University of Zagreb

Supervision of doctoral thesis:

Povezanost inzulinske rezistencije s hormonskim statusom štitne žlijezde i lipidnim profilom u eutireoidnih bolesnika sa šećernom bolešću tipa 1 - Tomislav Bulum, Prirodoslovno-matematički fakultet, Zagreb, 2010.

Značaj apoptoze i neurotrofina u bolnoj i bezbolnoj dijabetičkoj polineuropatiji u bolesnika s tipom 2 šećerne bolesti - Sandra Vučković Rebrina, Prirodoslovno-matematički fakultet, Zagreb, 2011.

Povezanost intermenstruacijskog raspona i metaboličkih obilježja u nehiperandrojenih žena s policističnom morfologijom jajnika - Miro Šimun Alebić, Medicinski fakultet Osijek, 2014.

Povezanost plazmatske koncentracije peptida 1 sličnog glukagonu i čimbenika rasta fibroblasta-21 s regulacijom glikemije, lipidemijom i mikrovaskularnim komplikacijama u bolesnika sa šećernom bolešću tipa 1 - Karin Zibar, Medicinski fakultet Zagreb, 2015.

Povezanost serumske aktivnosti dipeptidil peptidaze-4 s inzulinskom rezistencijom, metaboličkim sindromom i mikrovaskularnim komplikacijama u osoba sa šećernom bolešću tipa 1 - Kristina Blaslov, Medicinski fakultet Zagreb, 2016.
Utjecaj polimorfizama gena za dopamin beta hidroksilazu i katekol-O-metil transferazu na učinkovitost liječenja inzulinom detemir u bolesnika s tipom 2 šećerne bolesti: disertacija - Tomislav Božek, Medicinski fakultet Zagreb, 2018.

Personal skills:
Languages: english, italian- understanding, speaking, writing,
german- understanding

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:
13.11.2018- full professor-tenure position-

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- Duvnjak L, Vučković S, Pepeonik Ž, Metelko Ž. Relationship between autonomic neuropathy, 24h blood pressure and Retinopathy in normoalbuminuric and normotensive type 1 diabetic patients Diabetes, Nutrition and Metabolism. 2003; 16(2):102-108.


• T. Bulum, B. Kolarić, L. Duvnjak. Lower levels of total HDL and HDL3 cholesterol are associated with albuminuria in normoalbuminuric type 1 diabetic patients. Journal of Endocrinological Investigation 2013; 36: 574-578. DOI: 10.3275/8850


• M.Š. Alebić, T. Bulum, N. Stojanović, L. Duvnjak. Definition of insulin resistance using the homeostasis model assessment (HOMA-IR) in IVF patients diagnosed with polycystic ovary syndrome (PCOS) according to the Rotterdam criteria. *Endocrine* 2014; 47: 625-630. DOI: 10.1007/s12020-014-0182-5.


• Duvnjak L, Blaslov K, Nikolac-Perković M, Knežević-Ćuća J. Dipeptidyl peptidase-4 activity might be a link between tumour necrosis factor alpha and insulin resistance in type 1 diabetes. Endocrine (Basingstoke), 2016;16:453-458.


University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences”


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


- M.Š. Alebić, T. Bulum, N. Stojanović, L. Duvnjak. Definition of insulin resistance using the homeostasis model assessment (HOMA-IR) in IVF patients diagnosed with polycystic ovary syndrome (PCOS) according to the Rotterdam criteria. Endocrine 2014; 47: 625-630. DOI: 10.1007/s12020-014-0182-5.


• Duvnjak L, Blaslov K, Nikolac-Perković M, Knežević-Ćuća J. Dipeptidyl peptidase-4 activity might be a link between tumour necrosis factor alpha and insulin resistance in type 1 diabetes. Endocrine (Basingstoke), 2016;16:453-458.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Scientific projects:

1989-1995 - investigator "Biološki markeri u dijagnostici i terapiji adenoma hipofize" (n. 3-01-435), Croatian Ministry of Science
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2007-2014 - principal investigator "Metabolic syndrome in type I diabetes"
(n. 045-1080230-0516), Croatian Ministry of Science
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2015-2016 - principal investigator Croatian Science Foundation «Relationship between endothelial dysfunction driven by adipocitokines and the development and progression of microvascular complications in patients with type 1 and type 2 diabetes»
2018 - investigator “MODY” - University of Zagreb funded project

International projects

2014-2015- principal investigator in CRO „Efficacy and Safety of co-administration of Rg3-Enriched Korean Red Ginseng (Panax Ginseng C.A. Meyer) and American Ginseng (Panax Quinquefolius in type 2 diabetic patients with hypertension” in collaboration with Clinical Nutrition and Risk Factor Modification Centre, St. Michael’s Hospital, Faculty of Medicine, University of Toronto, Canada

2015-2018- principal investigator in CRO «The International Diabetic Nephropathy (InterDiane) Study»: in collaboration with Department of Medicine, Division of Nephrology, Helsinki University Central Hospital, University of Helsinki, Finland.

2016-2018- principal investigator in CRO „Co-administration of three complimentary therapies (viscous dietary fiber, whole grain and ginseng) for comprehensive risk reduction in type 2 diabetes mellitus” in collaboration with Clinical Nutrition and Risk Factor Modification Centre, St. Michael’s Hospital, Faculty of Medicine, University of Toronto, Canada

2015- principal investigator in CRO, EUROPEAN TRAIN THE TRAINERS PROGRAM the Step by Step footproject, funded by EASD, DFSG (The Diabetic foot Study group) DESG – Diabetes education Study
Group, FEND (The Federation of European Nurses in Diabetes) UNMF (Union Nationale des Medicines Federaux) IDF Eur. (European Wound Management Association)

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

2014-2015 - principal investigator ““Predictive factors of Metabolic syndrome and microvascular complications in type 1 diabetic patients””-University of Zagreb funded project

2015- 2018 - principal investigator Croatian Science Foundation «Relationship between endothelial dysfunction driven by adipocitokines and the development and progression of microvascular complications in patients with type 1 and type 2 diabetes»

2018 - investigator “MODY”-University of Zagreb funded project

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

6
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Nikola Sobočan, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinical Hospital Merkur, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liver transplantation

BIOGRAPHY

PERSONAL DATA

DATE AND PLACE OF BIRTH: 23. 06. 1976, Čakovec, Croatia
CITIZENSHIP: Republic of Croatia
LANGUAGES: Croatian (native), English (active)

EDUCATION

- 2012 completed subspecialty – subspecialist for Gastroenterology and Hepatology
- 2011 PHD thesis: „The influence of PBN (N-tert-butyl-α-phenylnitrone) on development of rat placenta and fetus treated with 5-azacytidine in vivo and in vitro“, Faculty of Science, University of Zagreb, Croatia
- 2009 Master of science thesis: „Proliferating Cell Nuclear Antigen (PCNA) Expression in Rat Fetuses Treated with Teratogen and Antioxidant“, Faculty of Science, University of Zagreb, Croatia
- 2007 completed residency program (internal medicine) – specialist for Internal Medicine
- 2002-2009 Postgraduate study in Physiology and Immunobiology, Faculty of Science, University of Zagreb
- 2002 Board exam – licence as MD
- 1994-2000 Medical School, University of Zagreb, Croatia

WORKING EXPERIENCE

- 2014 one-month stay at the Department of Gastroenterology, Hepatology and Endocrinology at MHH (Hannover Medical School, Germany) – prof. dr. Michael P. Manns
- 2012 onwards consultant in Internal medicine – gastroenterology and hepatology, University Hospital Merkur, Zagreb, Department of Gastroenterology and Hepatology
- 2010-2012 Attending physician, Internal Medicine specialist, University Hospital Merkur, Department of Gastroenterology and Hepatology (fellowship in gastroenterology and hepatology)
- 2007-2010 Attending physician, Internal Medicine specialist, Department of Internal Medicine, Division of Gastroenterology, County Hospital Cakovec
- 2003-2007 Residency of Internal Medicine (County Hospital Cakovec, University Hospital „Sestre milosrdnice“ Zagreb, Croatia)
- 2002 Attending physician, Emergency Unit „Dom zdravlja“ Cakovec
- 2000 Internship, County Hospital Cakovec, Croatia

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. project financed of School of Medicine, University of Zagreb: Genetic background of alcoholic liver disease

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. project financed of School of Medicine, University of Zagreb: Genetic background of alcoholic liver disease
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant professor Dragica Soldo Jureša, M.D., Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb; University Hospital Merkur - University Clinic for diabetes, endocrinology and metabolic diseases Vuk Vrhovac

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Metabolic Syndrome

BIOGRAPHY
I was born on the 2nd of September 1967. In 1992 I graduated from the University of Zagreb School of Medicine. The state competence exam was done in 1993 following the medical internship in University Hospital Merkur. From 1994 to 1996 I worked as a junior researcher in the Department of Internal Medicine in the University Hospital Merkur. From 1996 till 2001 I specialized in internal medicine in the Department of Internal Medicine in the University Hospital Dubrava, and in 2001 I passed the internal medicine specialist exam. I also passed the exam in the specialist area of internal medicine of allergology and clinical immunology in 2007. Since 2007 I have been working in the University Hospital Merkur - the Vuk Vrhovac University Clinic for Diabetes, Endocrinology, and Metabolic Diseases. In 2010 I passed the exam in the specialist field of internal medicine of endocrinology and diabetology. Since 2014, until present I have been a Head of the Outpatient clinic of Diabetology at University clinic for diabetes, endocrinology and metabolic diseases Vuk Vrhovac. Between 1993 and 1994 I attended the postgraduate studies "Ultrasound in clinical medicine – course gastroenterology and hepatology" at the University of Zagreb School of Medicine, and in July 1995 I defended my thesis named "Significance of conventional and duplex-Doppler sonography in the diagnosis of diabetic nephropathy", and gained my Master of Science degree. In May 2012 I defended my thesis named "The role of the high-sensitivity C-reactive protein, a marker of inflammation in diabetic nephropathy", and gained my Doctor of Science degree. I have published 24 original scientific articles (first author and co-author), 13 of which in the magazines cited in the Current contents, and 43 summaries in the proceedings of international and domestic congresses. I am a lecturer at the undergraduate courses and also at postgraduate doctoral studies in Biomedicine and Health Sciences at the School of Medicine, University of Zagreb (courses Clinical propedeutics, Internal Medicine, Metabolic syndrome and Arterial hypertension and diabetes mellitus). Since April 2018 - Assistant professor of internal medicine, School of Medicine, University of Zagreb.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 9 April 2018 Assistant professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

She was a researcher on the scientific project "Predictive factors of metabolic syndrome and microvascular complications in type 1 diabetes mellitus"School of Medicine, University of Zagreb; 2013.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

She was a researcher on the scientific project "Predictive factors of metabolic syndrome and microvascular complications in type 1 diabetes mellitus"School of Medicine University of Zagreb; 2013.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Zdenko Sonicki, MD, PhD, Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Knowledge discovery in medical domains

Medical Informatics Methods

Statistical Analysis of Medical Data 1

Medical Statistics 2.1: Statistical tools for medical data analysis in planned experimental study design

Medical Statistics 2.2: Statistical tools for medical data analysis in quasi-experimental study design

Medical Statistics 2.3: Statistical tools for medical data analysis in observational study design with large samples

Medical Statistics 2.4: Statistical tools for medical data analysis in observational study design with small samples

BIOGRAPHY

I was born on 30 September 1960 in Zagreb where I attended elementary school, and then secondary school in the Mathematical-Informatics Educational Center. I graduated from the Faculty of Medicine of the University of Zagreb in 1989 with the graduate thesis "Informatic method of diagnosis of chronic obstructive pulmonary diseases". I passed the State exam in 1990. I also graduated from the Faculty of Medicine of the University of Zagreb with a master thesis "Methods of Inductive Learning in Medical Decisions and Predictions", under the mentorship of Prof.dr.sc. Josipa Kern, 1994. By defending the PhD thesis "Recognizing the CD4 + T lymphocyte profile and the amount of ribonucleic acid of the human immunodeficiency virus during the development of the infection as a basis for the classification of the patients", under the mentorship of Prof.dr.sc. Josipa Kern in 2002 I got an academic PhD degree in biomedicine and health sciences. I attended the Summer Institute for Statistical Genetics at the University of Washington, USA in 2007. I got the scientific title of Scientific Advisor on 13th of November 2013.

I worked at the Clinical Hospital "Sisters of Charity" from 1989-1992, first as a trainee, then as a novice scholar. Since 1992 I have been employed at the Department of Medical Statistics, Epidemiology and Medical Informatics of the School of Public Health "Andrija Štampar". On the 13th of September 2017 I was elected for full professor in the same Department, for the scientific field of Biomedicine and Health, the scientific field of Public Health and Health Care, Public health branch, for the subject of Medical Statistics. I am a tutor or co-tutor of 8 subjects on scientific doctoral studies, and I participate in graduate teaching and in teaching in professional and scientific doctoral studies. I participated in an international curriculum for the interdisciplinary group of students from the University of Georgia, USA, and was a local mentor for American students. I was a visiting scientist and invited lecturer at the University of Georgia, USA, and at the Medical University of South Carolina, USA. I participated in or organized several international scientific conferences. I participated in ERASMUS + teacher mobility program at Haifa University in Israel.

I participated in several scientific and technological projects funded by the Ministry of Science of Education and Sports of Croatia and led the project "Predictive Models in Healthcare". I participated in the international project "Fouille de données intelligente pour l'aide à la décision avec applications en médecine", funded by EGIDE, France, worked as a temporary advisor to the World Health Organization on projects "Development of a clinical prediction instrument and randomized trial of intramuscular or oral
antibiotics for the treatment of Group A Beta Haemolytic Streptococcal Pharyngitis in Children (GRASP, TOPS) "and" Clinical Predictors of Severity of Accidental Poisoning of Hydrocarbons, Organophosphates and Carbamates in Children Less than Five Years Old ". I participate in ERASMUS + project "KyrMedu - Advancing University Education in Biomedical Engineering and Health Management in Kyrgyzstan". I am a member of the International Commission for Dissertations at BarcelonaTech University in Spain. I am the head of the international EFMI working group: "Information and Decision Support in Biomedicine and Health Care - IdeS".

As part of my work on scientific projects, I have presented several papers at international scientific conferences, and have published 156 professional or scientific papers as the author or co-author, of which 54 were published in journals indexed in the Current Contents. I have 821 independent citations (WoS), and h-index 14 (WoS). I am a mentor of five defended doctoral dissertations and I have published 11 scientific papers published in CC journals with PhDs. I am a member of the editorial board of several scientific journals: the Central European Journal of Pediatrics, the Bosnian Journal of Basic Medical Science, Pediatrics Today, Acta Medica Academica, and the Liječnički vjesnik in which I am a reviewer. I am the President of the Croatian Biometric Society and the Vice President of the Croatian Society for Medical Informatics.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- Collaborator of ERASMUS + project "KyrMedu - Advancing University Education and Biomedical Engineering and Health Management in Kyrgyzstan" (561894-EPP-1-2015-DE-EPPKA2-CBHE-JP)

- Project Leader of "Predictive Models in Health Care", funded by the Ministry of Science, Education and Sports of Croatia (108-0982560-0257).


- The temporary advisor to the World Health Organization for the purpose of consultation and participation in the review and pre-processing of data collected on the project "Clinical predictors of the severity of accidental poisoning from hydrocarbons, organophosphates and carbamates and children below five years old" as well as participation in the statistical analysis, and planning statistics support to complete the analysis and development of algorithms poison hydrocarbons, organophosphates and carbamates in children younger than 5 years, in Cairo, Egypt, 12.12.2004. - 23.12.2004.

- Researcher at the project "Fouille de données intelligent pour l'aide à la décision avec applications en médecine", funded by EGIDE, France.

- Temporary Advisor to the World Health Organization for the purpose of preparing a project proposal on clinical predictors of the weight of hydrocarbon, organophosphate and carbamate poisoning in children
under the age of 5, and the proposal for methodological approach and data analysis design in Cairo, Egypt, 29.11.-3.12.2003.

- Temporary Advisor to the World Health Organization at the "Data Analysis and Manuscript Preparation Workshop" held on 19-22.10.2003. in Cairo, Egypt. Preparation and analysis of data collected in the multicenter study, entitled "Development of a clinical prediction tool and randomized trial of intramuscular vs. oral antibiotics for the treatment of Group A Beta haemolytica Streptococcal pharyngitis in children (GRASP, TOPS)".

- Researcher at the project "Genetic, social and behavioral determinants of health and diseases", financed by the Ministry of Science, Education and Sports of the Republic of Croatia (0108330).

- Consultant on the project "Hypertension Epidemiology in Croatia" financed by the Ministry of Science, Education and Sports of Croatia (0108109).

- Researcher at the project: "Information Technology and Medical Decisions" (108107) of the Ministry of Science and Technology of the Republic of Croatia.

- Researcher at the international project "Development of Clinical Prediction Instrument for Streptococcal Pharyngitis (GRASP)", WHO and Johns Hopkins Medical School.

- Project Leader: "Evaluation of Different Algorithms for Inductive Learning and Neural Neural Networks in Different Medical Domains" and "Adaptive Self-Adopting Modules of Trained Neural Neural Networks for Medical Information Systems", partially funded by the Open Society Institute - Croatia.

- Researcher at the project: "Heuristic Support Systems for Decision Making in Health Care" (3-01-026) of the Ministry of Science and Technology of the Republic of Croatia.

- Researcher at the project: "Epidemiology of gastric disorder in Croatia" (3-01-222) of the Ministry of Science and Technology of the Republic of Croatia.

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

- Collaborator of ERASMUS + project "KyrMedu - Advancing University Education and Biomedical Engineering and Health Management in Kyrgyzstan" (561894-EPP-1-2015-DE-EPPKA2-CBHE-JP)

- Project Leader of "Predictive Models in Health Care", funded by the Ministry of Science, Education and Sports of Croatia (108-0982560-0257).


**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Slavica Sović, MD, PhD, Assistant professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: 1. Statistical Analysis of Medical Data
2. Medical Statistics 2.1: Statistical tools for medical data analysis in planned experimental study design
3. Medical Statistics 2.2: Statistical tools for medical data analysis in quasi-experimental study design
4. Medical Statistics 2.3: Statistical tools for medical data analysis in observational study design with large samples
5. Medical Statistics 2.4: Statistical tools for medical data analysis in observational study design with small samples

BIOGRAPHY

Slavica Sović was born on May 9, 1976 in Zavidovići, B&H. She graduated from University of Zagreb School of Medicine in 2001 and obtained PhD degree in 2013. She completed specialization in public health in 2013. Since 2007 she has been working as a research fellow - assistant and since 2014 as a senior assistant in the Department of Medical Statistics, Epidemiology and Medical Informatics at the University of Zagreb School of Medicine. She is involved with teaching at graduate level in Medical Studies, Nursing Studies and Medical Studies in English and in the graduate study at the University of Zagreb School of Dental Medicine. Her scientific and professional interests are public health, social medicine and health care organizations, medical statistics and the quality in the family medicine. She has published 17 scientific and professional papers, 9 in journals referenced in Current Contents and was cited 11 times.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 18 May 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
In 2018, researcher at the scientific project of the University of Zagreb, School of medicine: Utvrđivanje prepreka u implementaciji strategije ulaganja u rani razvoj djece - analiza kapaciteta za implementaciju i umrežavanje partnera.

In 2017, researcher at the scientific project of the University of Zagreb, School of medicine: Razvoj metodologije oblikovanja nacionalne strategije ulaganja u rani razvoj djece kroz intersektorsku suradnju.

In 2016, researcher at the scientific project of the University of Zagreb, School of medicine: Razvoj nacionalnog registra vrednovanih preventivnih programa.

In 2015, researcher at the scientific project of the University of Zagreb, School of medicine: Razvoj nacionalnog registra vrednovanih preventivnih programa.

In 2014, researcher at the scientific project of the University of Zagreb, School of medicine: Prediktivna vrijednost procjene životnih navika i antropometrijskih obilježja u ranom otkrivanju srčano - žilnih bolesti u adolescenata (BM 1.26; 1101314).

From 2010 to 2013, researcher at the scientific project of the University of Zagreb, School of medicine (108-1080316-0299) Kako mjeriti zdravlje?, funded by the Ministry of Science, Education and Sports of Croatia.

In 2011, researcher at the project Finance and Mental Health Services Training in Czech Republic / Central Europe, Charles University in Prague, Faculty of Social Sciences, Center for Social and Economic Strategies, Prague, Czechia and University of California Berkeley, School of Public Health, Berkeley, SAD.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

In 2018, researcher at the scientific project of the University of Zagreb, School of medicine: Utvrđivanje prepreka u implementaciji strategije ulaganja u rani razvoj djece - analiza kapaciteta za implementaciju i umrežavanje partnera.

In 2017, researcher at the scientific project of the University of Zagreb, School of medicine: Razvoj metodologije oblikovanja nacionalne strategije ulaganja u rani razvoj djece kroz intersektorsku suradnju.

In 2016, researcher at the scientific project of the University of Zagreb, School of medicine: Razvoj nacionalnog registra vrednovanih preventivnih programa.

In 2015, researcher at the scientific project of the University of Zagreb, School of medicine: Razvoj nacionalnog registra vrednovanih preventivnih programa.

In 2014, researcher at the scientific project of the University of Zagreb, School of medicine: Prediktivna vrijednost procjene životnih navika i antropometrijskih obilježja u ranom otkrivanju srčano - žilnih bolesti u adolescenata (BM 1.26; 1101314).

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Patrik Stanić, Ph.D., research associate
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinic Repromed
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research methods in vitro and in vivo

BIOGRAPHY
Patrik Stanić, Ph.D.
Clinic Repromed, Gradišćanska ulica 36, Zagreb.
E-mail: patrik.stanic@mef.hr

Place and year of birth: Prague, Czech Republic, 1969.
Education: B.Sc., Faculty of Natural Sciences, University of Zagreb, field Molecular biology (1994), postgraduate program „Biomedicine and Health Sciences“, Zagreb University School of Medicine (1998–2001).


Teaching: graduate courses - School of Medicine and Faculty of Pharmacy and Biochemistry, University of Zagreb, and postgraduate courses – School of Medicine, University of Zagreb.


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 04. 06. 2013.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
Research project of the Ministry of Science and Education of the Republic of Croatia, "Biochemical and Molecular Diagnosis in Human Reproduction" (2002-2009)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Milan Stanojević, Associate Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Retired

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Fetal and Neonatal Neurophysiology, Fetal Behavior

BIOGRAPHY

Head of the Department of Neonatology at the Department of Obstetrics and Gynecology Medical School University of Zagreb, “Sveti Duh” University Hospital, Zagreb, Croatia from 2007 till November 2018, when he was retired. Actively participating in the teaching of the graduate and postgraduate medical students at Medical School University of Zagreb. Associate professor at DIU Libertas International University from 2011. Assistant professor of pediatrics at The Teacher’s Faculty of Zagreb University from 2011. Published 304 papers (46 c/c), and 51 chapters in the books with more than 800 citations. A member of editorial board of two international journals and reviewer in ten. Participating as the researcher in scientific projects led by prof. Aida Salihagic-Kadic from Medical School University of Zagreb. President of the Internationa Academy of Perinatal Medicine.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2013, associate professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
1997-2001: investigator on the scientific project: “Fetal hypoxia and cerebrovascular reactivity”, granted by Croatian Ministry of Science

2002-2006: investigator on the scientific project: “Fetal hypoxia index in prevention of perinatal brain damage”, granted by Croatian Ministry of Science


2013-14: investigator on the scientific project „New algorithm for the prevention of neurological disabilities and damage in children with intrauterine growth restriction “, granted by University of Zagreb

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


2013-14: investigator on the scientific project „New algorithm for the prevention of neurological disabilities and damage in children with intrauterine growth restriction “, granted by University of Zagreb

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Vito Starčević, MD, assistant professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinical Medical Center Zagreb

Women Clinical Hospital, Clinical Medical Center Zagreb, Department for diabetes and fetal growth

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: "Diabetes and Pregnancy", "Physiology and biochemistry of uterus in pregnancy and labour"

BIOGRAPHY

Vito Starčević graduated on the Zagreb University School of Medicine on the 24th of February 1992. and got the title of M.D. (physician). He continued his medical and professional specialization in the Clinical Hospital Center Zagreb. After having passed the specialist exam in Gynecology and obstetrics on the 31st of August 1998. he started working in the Clinical hospital for gynecology and obstetrics, Clinical Hospital Zagreb. But his professional promotion continued and on the 25th of June 1998. he obtained a title of the master of sciences title and the doctors of sciences title on the 29th of October 2008. on the Zagreb University. He obtained a title of the subspecialist from 2009. on the Zagreb University. Stupanj docenta stekao 2015. godine. During his professional career he published numerous scientific and expert works at the domestic and foreign magazines and conventions. He is also involved in the programme of postgraduate education as an author of the several chapters in the obligatory literature consisting of six books, as a lecturer on the international postgraduate course on diabetology organized in the Clinic Vuk Vrhovec. There he worked on the several themes like: “Diabetes and malformations”, “The glycemia influence on the early embryonic development with mothers suffering from diabetes”, “Placenta at the women suffering from diabetes”. He is widely and often enrolled into the work of the international medical conventions and symposium, publishing articles and scientific papers for those occasions.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: MD, assistant professor from 20th July 2015. /Klasa: 640-03/15-01/76/

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

The doctor of sciences on the 29th October 2008. (Date and place of the defense: 29thOctober 2008, University of Zagreb, Dpt. of Obst./Gyn. KBC-Zagreb, School of Medicine) Title of the doctoral thesis: The Content of Lipids in the Placenta of the Pregnant Women with Type 1 of the Diabetes Mellitus. Mentor Professor Josip Đelmiš MD, PhD; University of Zagreb, School of Medicine

Published chapters in Croatian and foreign books:


4. Publication of the book titled: “Emergencies in gynecology and obstetrics” author: Josip Đelmiš et al, within the 1st category postgraduate training course of permanent training for doctors of medicine held on the 28th and the 29th March 2003, Zagreb; as the author of the following two chapters in the book: a) Vaginal secretion, b) Syphilis

5. Publication of the book titled: “Drugs in pregnancy”, author: Josip Đelmiš et al, within the 1st category postgraduate training course of permanent training for doctors of medicine held on the 24th and 25th October 2003; Zagreb; as the author of the following chapter in the book: “Use of plant medicines in pregnancy”.


Papers published in cited journals:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

1) Utjecaj glikemije na rani embrionalni razvoj u trudnica dijabetičarki; autori: Vito Starčević, Josip Đelmiš, Marina Ivanišević, Mislav Herman, Josip Juras, Jozo Blajić, Marina Horvatiček; Gynaecol Perinatol Vol 23, No 1, pp 1-42 2014;


3) Krvenje u babinju; autori: Jozo Blajić, Mato Pavić, Josip Juras, Vito Starčević, Mislav Herman; Gynaecol Perinatol Vol 23, No 1, pp 1-42 2014;


- The differences between placental lipid contents in type-1 diabetic and healthy pregnancy; autori: Vito Starcevic; Josip Djelmis; Marina Ivanisevic; Mislav Herman; Josip Juras; Edina Berberovic; Jozo Blajic

- Perinatal outcomes in women with type-2 versus type-1 diabetes mellitus; autori: Vito Starcevic; Marina Ivanisevic; Josip Djelmis

- Pregnancy outcome of mothers with diabetic nephropathy; autori: Mislav Herman, Josip Đelmiš, Marina Ivanišević, Jozo Blajić, Vito Starčević

5) 24.-27.9.2014. Congress of the Croatian Society of Biochemistry and Molecular Biology; Zadar, Croatia; aktivno sudjelovanje s radom: Composition of free fatty acids in placenta of pregnant women with type 1 diabetes

6) 26.-27.9.2014. XXXVI Alpe Adria meeting of Perinatal Medicine (XXVIII Alpe Adria Perinatal Congress) Klagenfurt, Austria; active participation:

- Hypothyreosis Screening in Pregnant Women in Croatia; autori: Vito Starčević, Josip Đelmiš, Marina Ivanišević, Mislav Herman, Josip Juras (knjiga sažetaka)

- Gestational Diabetes in Womwn with PCOS; autori: Mislav Herman, Josip Đelmiš, Marina Ivanišević, Josip Juras, Vito Starčević (knjiga sažetaka)

7) 6.-8.11.2014. Zagreb, Hotel Aristos u Zagrebu, XXVIII Perinatalni dani „Ante Dražančić”; active participation

8) 27.5.2015. XXIII Savjetovanje o perinatalnom mortalitetu HLZ, Šubićeva 9, Zagreb; active participation: „Prijevremeni porođaj u stavu zatkom”; autori: Vito Starčević, Josip Đelmiš, Mislav Herman, Marina Ivanišević, Jozo Blajić, Josip Juras, Tea Starčević, Marina Horvatiček, Ksenija Tuškan. Gynaecol Perinatol 2015;24(Suppl.1): S47-S50
9) 13.-15.10.2016. XXXVIII Alpe Adria meeting of Perinatal Medicine, Zagreb, Hrvatska; active participation: A preterm birth in breech presentation; autori: V. Starčević, J. Delmiš, J. Blajić, M. Herman, J. Juras, M. Ivanišević, M. Horvatiček


M. Ivanišević, M. Horvatiček, J. Delmiš, M. Herman, V. Starčević “State referal centre for diabetes in pregnancy biobank” Department of Obst.& Gynecol., University of Zagreb, School of Medicine, Croatia

11) 16.-17.3.2018. Medicinski fakultet Sveučilišta u Zagrebu, Šalata 3, dvorana Miroslav Čačković; tečaj I kategorije: Diabates i trudnoća/THE FIRST CATEGORY COURSE DIABETES IN WOMAN with special attention to new criteria for diabetes in pregnancy; Voditelji tečaja / Course Chairmen: prof. dr. sc. Marina Ivanišević, prof. dr. sc. Ivana Pavlič Renar, prof. dr. sc. Lea Smirčić Duvnjak, prof. emeritus Josip Đelmiš; povjerenstvo za medicinsku izobrazbu liječnika HLK kategoriziralo je i bodovalo stručni skup


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. Project "Chronic diseases", Orthopedic Clinic, Clinical Medical Center in Zagreb, subproject leader Prof. Ivo Ruszkowski, MD, PhD.

2. Project "Pfizer", Prof. Vukičević , MD, PhD. A2181002

3. Project "Diabetes and pregnancy", Prof. Delmiš, MD, PhD. 0108082 (108066)

4. Project „Metabolic and endocrinological changes in diabetic pregnancy” Prof. Đelmiš, MD, PhD. (108-1080401-0386)

5. Project „Diabetes and metabolic syndrom after previous gestational diabetes“, Prof. Ivanišević, MD, PhD. (108-1080401-0385)

6. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes”, Support for scientific research (University of Zagreb), PI prof. Marina Ivanišević, PhD

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Collaboration on projects:

1. Project "Chronic diseases", Orthopedic Clinic, Clinical Medical Center in Zagreb, subproject leader Prof. Ivo Ruszkowski, MD, PhD.

2. Project "Pfizer", Prof. Vukičević , MD, PhD. A2181002

3. Project "Diabetes and pregnancy", Prof. Delmiš, MD, PhD. 0108082 (108066)

4. Project „Metabolic and endocrinological changes in diabetic pregnancy” Prof. Đelmiš, MD, PhD. (108-1080401-0386)

5. Project „Diabetes and metabolic syndrom after previous gestational diabetes“, Prof. Ivanišević, MD, PhD. (108-1080401-0385)
6. „Prevention of hypoglicemia in pregnant women and puerpera with type 1 diabetes“, Support for scientific research (University of Zagreb), PI prof. Marina Ivanišević, PhD

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist.prof. prim. Mario Starešinić, MD, PD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Merkur

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Telemedicine

BIOGRAPHY

I was born on 8th of February 1972. in Zagreb, Croatia. After graduating on School of Medicine, University of Zagreb I did an internship and was enrolled in postgraduate study. I got my master’s degree in 2001. and PD in 2007. I was a senior assistant from 2010. and became an assistant professor at Department of Surgery, School of Medicine, University of Zagreb in 2014. Scientific Committee for Biomedicine and Healthcare of National Council for Science awarded me with the status of a science adviser. I am listed as author or co-author of 42 scientific papers published in various international scientific journals.

As an assistant professor I am involved in teaching at The Department of Surgery and in two elective classes (Sports traumatology, Fracture treatment). I am General secretary of the AO Trauma Croatia and I’m actively taking part in courses organization and lecturing as a member of Educational Committee of AOTrauma Europe (had more than 60 course lectures abroad). I am also vice president of the Croatian Trauma Society of the Croatian Medical Association.

I am employee of the University Hospital Merkur since 1998. where I became a general surgeon in 2003., traumatology subspecialist in 2007. and hospital director in 2016. I received primarius title from the Ministry of Health in 2013. I did the fellowship at John Radcliffe Hospital, UK and in Hannover, Germany (AO Fellowship) in 2009. During my surgical training and education I participated in more than 40 international courses (Austria, Switzerland, Germany, Turkey, Greece, Israel, Slovenia, Hungary). The main fields of my professional and scientific interest are general and sports trauma, bone remodeling and healing disorders, hip and knee arthroplasty.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME AND LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Asja Stipić Marković, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Special Hospital for Pulmonary Diseases, Rockfellerova 3, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Mechanisms of allergic reactions

BIOGRAPHY

WORK EXPERIENCE

2018-presence Special Hospital for Pulmonary Diseases

1978–2018 Head of Department for Clinical immunology, pulmology, rheumatology University hospital Sveti Duh (Croatia)

Head of Referral Centre for Clinical immunology, Ministry of Health, Republic of Croatia

EDUCATION AND TRAINING

1971–1976 MD Medical School, University of Zagreb (Croatia)

1978–1983 Postgraduate study in Biomedicine and Health PRIRODOSLOVNO MATEMATIČKI FAKULTET

Master thesis - Determination of biological potency of pollen allergen Ambrosia elatior by biological standardization

1978–1982 Specialization in Internal medicine University hospital Sveti Duh (Croatia) Specialist in Internal medicine


1995. International course "European asthma school", Ghent, Belgium

1996. Management in health care, Dartmouth-Hitchcock Medical Center, Lebanon, USA

1997–1999 subspecialization in allergology and clinical immunologist Medical school University of Zagreb, subspecialist in allergology and clinical immunology

1997. International course "New technologies in asthma and COPD ", Vienna, Austria

1998. International course about team work in Intensive care units (The American International Health Alliance), Zagreb

1999 Dissertation "Influence of specific bronchial hyperreactivity on cellular immunity changes"

2002 Summer school of European academy of Allergology and Clinical, Sofia, Bulgaria

2004 Summer school of European academy of Allergology and Clinical immunology Cavtat (Croatia)

2004 pulmonologist Medical school University of Zagreb, subspecialist in pulmonary diseases

2013 Management of pulmonary hypertension Europejskije Centrum Zdrowia, Medical University of Warsaw, Otwock (Poland)


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Projects
2. Collaborator on project „Characterisation of osteoclastic progenitors reaction in arthritis“, 2014

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Projects
2. Collaborator on project „Characterisation of osteoclastic progenitors reaction in arthritis“, 2014

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Feodora Stipoljev, assoc.prof.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinical Hospital „Sveti Duh”

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular and biochemical approach to genetic disorders; Methods of molecular biology in medicine

BIOGRAPHY


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ranko Stojković, PhD, senior scientist, D.M.V

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Laboratory animals in biomedical research

BIOGRAPHY

Education:
994. D. M. V. degree - Faculty of Veterinary Medicine, University of Zagreb - Croatia.
1999. M. Sc. - Faculty Science, University of Zagreb – Croatia; Field Biomedicine, oncology.
2003. Ph.D. - Faculty of Veterinary Medicine, University of Zagreb - Croatia; Field Natural science, Biomedicine and health, veterinary medicine.
2013. Certified GLP Manager - The Centre for Professional Innovation & Education, Inc. Malvern, PA 19355, USA

Scientific activities
Author/coauthor of 36 original scientific articles published in journals indexed in SCI Expanded -WOS. Author/coauthor of 7 original scientific articles published in other journals. Author/coauthor in 2 book chapters. Author/coauthor of several scientific articles published in meeting proceedings. Cited 487 times, WOS, h-index 9.

Teaching Activities:
2003. – 2010. Lecturer on postgraduate course: “Laboratory Animals in Biomedical Research” - Medicinal Faculty University of Zagreb - Croatia.
2005. – 2010. Lecturer on postgraduate course: “Breeding and care for laboratory animals” - Faculty of Veterinary Medicine, University of Zagreb – Croatia.
2005. – 2010. Lecturer on postgraduate course: “Biology of laboratory animals” - Faculty of Veterinary Medicine, University of Zagreb – Croatia.
2010. – Present Director of: “Laboratory Animals in Biomedical Research” course on Doctoral PhD study - Medicinal Faculty University of Zagreb - Croatia.
2010. – 2018. Director of: “Use of animal models in experimental oncology” course on Doctoral PhD study - Medicinal Faculty University of Zagreb - Croatia.
2011. – 2014. Director of postgraduate course: “Breeding and care for laboratory animals” - Faculty of Veterinary Medicine, University of Zagreb – Croatia
2011. – 2014. Director of postgraduate course; “Biology of laboratory animals” - Faculty of Veterinary Medicine, University of Zagreb – Croatia.
2011. – 2014. Director of postgraduate course; “Genetics of Laboratory Animals” - Faculty of Veterinary Medicine, University of Zagreb – Croatia.
2011. Mentor of PhD. Thesis – Faculty of Science University of Zagreb - Croatia.
2012. – Present Director of postgraduate course "Laboratory animals and biomedical research" at the postgraduate interdisciplinary doctoral study - Molecular Biosciences, University of Josip Juraj Strossmayer in Osijek, Dubrovnik University and the Institute Ruđer Bošković Zagreb

2012. – Present. Director of postgraduate course "Animal models of rodents in experimental oncology," on Doctoral PhD study Faculty of Science, University of Zagreb – Croatia.

2012. – 2014. Director of postgraduate course "The well-being of experimental animals" - Faculty of Veterinary Medicine, University of Zagreb – Croatia.

Other scientific and professional activities:


2008. Reviewer of Study programs on Croatian Universities.

2008. – 2014. European Science Foundation (EFS) – European Medical Research Councils member of Expert group for Animals in Biomedical Research.

2009. - Present Member of tithe committees for Legislation affairs regarding protection of animals used in scientific purposes. - Ministry of Agriculture, Fisheries and Rural Development – RH.

2010. - Present President of Bioethical committee on Ruđer Bošković Institute


2018. EU Expert Evaluator H2020-JTI-IMI2-2018

Courses


Invited lectures:

2016. 06.10. – Croatian Academy of Sciences and Arts and Department of Clinical and Transplantation Immunology and Molecular Medicine in Rijeka - Contemporary views on ethical principles in work with experimental animals.

2017. 10. 02. Croatian Society for Science on Laboratory Animals - How to apply for Research on Animals

2018. 12. 06. Croatian Chemical Society - Animal models in biomedical research

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2009.- Senior scientist 2016. - Titular docent

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Zaytseva, Olga; Jansen, Bas; Hanić, Maja; Mrčela, Mia; Razdorov, Genadij; Stojković, Ranko; Erhardt, Julija; Brizić, Ilija; Jonjić, Stipan; Pezer, Marija; Lauc, Gordan: MiGgGly (mouse IgG glycosylation analysis) - a high-throughput method for studying Fc-linked IgG N-glycosylation in mice with nanoUPLC-ESI-MS. // Scientific Reports, 8 (2018), 13688, 9 doi:10.1038/s41598-018-31844-1

Fučić, Aleksandra; Guszk, Vedrana; Keser, Toma; Wagner, Jasenka; Juretić, Emilija; Plavec, Davor; Stojković, Ranko; Gornik, Olga; Lauc, Gordan: Micronucleus, cell-free DNA and plasma glycan composition in the newborns of healthy and diabetic mothers. // Mutation research. Genetic toxicology and environmental mutagenesis, 815 (2017), 6-15 doi:10.1016/j.mrgentox.2017.01.002

Stojković, Ranko; Fučić, Aleksandra; Ivanković, Dušica; Jukić, Zoran; Radulović, Petra; Grah, Josip; Kovačević, Nenad; Barišić, Lovro; Krušlin, Božo: Age and sex differences in genome damage between prepubertal and adult mice after exposure to ionising radiation. // Arhiv za higijenu rada i toksikologiju – Archives of Industrial Hygiene and Toxicology, 67 (2016), 4; 297-303 doi:10.1515/aiht-2016-67-2882

Marković, Darko; Katić, Jelena; Stojković, Ranko; Borović, Suzana; Žarković, Neven; Fučić, Aleksandra: Lipid peroxidation, detoxification capacity, and genome damage in mice after transplacental exposure to pharmaceutical drugs. // Brazilian journal of medical and biological research, 46 (2013), 12; 1014-1020 doi:10.1590/1414-431X20132814

Mišir, Krpan, Ana; Ivanković, Siniša; Krajina, Zdenko; Ivanković, Dušica; Stojković, Ranko: Tamoxifen in trimodal therapy with cytotoxic drugs and hyperthermia in vivo significantly enhance therapeutic efficacy against B16-F10 melanoma. // Tumori, 98 (2012), 2; 257-263 doi:10.1700/1088.11939
Fučić, Aleksandra; Stojković, Ranko; Miškov, Snježana; Želježić, Davor; Marković, Darko; Gjergja, Romana; Katić, Jelena; Jazbec, Ana-Marija; Ivičević Bakulić, Tomislav; Demarin, Vida: Transplacental genotoxicity of antiepileptic drugs: animal model and pilot study on mother/newborn cohort. // Reproductive toxicology, 30 (2010), 4; 613-618 doi:10.1016/j.reprotox.2010.08.008

Fučić, Aleksandra; Stojković, Ranko; Katić, Jelena; Marković, Darko; Ferenčić, Željko; Koršić, Mirko; Jazbec, Ana-Marija; Gamulin, Marija: Animal model for age and sex related genotoxicity of diethylstilbestrol. // Brazilian Journal of Medical and Biological Research, 42 (2009), 11; 1090-1096

Fučić, Aleksandra; Marković, Darko; Herceg, Zdenko; Gamulin, Marija; Katić, Jelena; Stojković, Ranko; Ferenčić, Željko; Milden, Boris; Jazbec Ana-Marija; Dobranić Tomislav: Developmental and transplacental genotoxicology: Fluconazole. // Mutation research. Genetic toxicology and environmental mutagenesis, 657 (2008), 1 Special Issue; 43-47 doi:10.1016/j.mrgentox.2008.08.008

Ivanković, Siniša; Stojković, Ranko; Jukić, Mila; Miloš, Mladen; Miloš, Mia; Jurin, Mislav: The antitumour activity of thymoquinone and thymohydroquinone in vitro and in vivo. // Experimental oncology, 28 (2006), 3; 220-224

Stojković, Ranko; Karminski-Zamola, Grace; Racane, Livio; Tralić-Kulenović, Vesna; Glavaš-Obrovac, Ljubica; Ivanković, Šiniša; Radačić, Marko: Antitumour efficiency of novel fluoro substituted 6-amino-2-phenylbenzothiazole hydrochloride salts in vitro and in vivo. // Methods and Findings in Experimental and Clinical Pharmacology, 28 (2006), 6; 347-354

Stojković, Ranko; Radačić, Marko: Cell killing of melanoma B16 in vivo by hyperthermia and cytotoxins. // International Journal of Hyperthermia, 18 (2002), 1; 62-71

Pavelić, Krešimir; Katić, Maša; Šverko, Višnja; Marotti, Tanja; Bošnjak, Berislav; Balog, Tihomir; Stojković, Ranko; Radačić, Marko; Ćolić, Miroslav; Poljak-Blazić, Marija: Immunostimulatory effect of natural clinoptilolite as a possible mechanism of its antimetastatic ability. // Journal of Cancer Research Clinical Oncology, 128 (2002), 37-44

Stojković, Ranko; Radačić, Marko: Utjecaj hranidbe na uzgoj hrčaka. // Krmiva, 40 (1998), 1; 11-15

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Zaytseva, Olga; Jansen, Bas; Hanić, Maja; Mrčela, Mia; Razdorov, Goran; Stojković, Ranko; Erhardt, Julija; Brzić, Ilja; Jonić, Stipe; Pezer, Marija; Lauc, Gordan: M1gG Gly (mouse IgG glycosylation analysis) - a high-throughput method for studying Fc-linked IgG N-glycosylation in mice with nanoUPLC-ESI-MS. // Scientific Reports, 8 (2018), 13688, 9 doi:10.1038/s41598-018-31844-1

Grieneke, Ulrike; Radić Brkanac, Sandra; Vujčić, Valerija; Urban, Ernst; Ivanković, Šiniša; Stojković, Ranko; Rollinger, Judith M.; Kralj, Juraj; Brozović, Anamaria; Radić Stojković, Marijana: Biological Activity of Flavonoids and Rare Sesquiterpene Lactones Isolated From Centaurea ragusina L.. // Frontiers in Pharmacology, 9 (2018), 972, 15 doi:10.3389/fphar.2018.00972

Marasović Maja; Ivanković Siniša; Stojković Ranko; Derman Damir; Galić Borivoj; Miloš Mladen: In vitro and in vivo antitumour effects of phenylboronic acid against mouse mammary adenocarcinoma 4T1 and squamous carcinoma SCCVII cells.. // Journal of enzyme inhibition and medicinal chemistry, 32 (2017), 1; 1299-1304 doi:10.1080/14756366.2017.1384823

Vujčić, Valerija; Radić Brkanac, Sandra; Radić Redovniković, Ivan; Ivanković, Šiniša; Stojković, Ranko; Žilić, Irena; Radić Stojković, Marijana: Phytochemical and Bioactive Potential of in vivo and in vitro Grown Plants of Centaurea ragusina L. -- Detection of DNA/RNA Active Compounds in Plant Extracts via Thermal
Denaturation and Circular Dichroism. // Phytochemical analysis, 28 (2017), 6; 584-592
doi:10.1002/pca.2708

Fučić, Aleksandra; Guszak, Vedrana; Keser, Toma; Wagner, Jasenka; Juretić, Emilija; Plavec, Davor; Stojković, Ranko; Gornik, Olga; Lauc, Gordan: Micronucleus, cell-free DNA and plasma glycan composition in the newborns of healthy and diabetic mothers. // Mutation research. Genetic toxicology and environmental mutagenesis, 815 (2017), 6-15 doi:10.1016/j.mrgentox.2017.01.002

Ivanković, Siniša; Stojković, Ranko; Maksimovic, Milka; Galić, Borivoj; Miloš, Mladen: Impact of calcium ion on cytotoxic effect of the boroxine derivative, K2[B3O3F4OH]. // Journal of enzyme inhibition and medicinal chemistry, 31 (2016), S3; 70-74 doi:10.1080/14756366.2016.1204611

Stojković, Ranko; Fučić, Aleksandra; Ivanković, Dušica; Jukić, Zoran; Radulović, Petra; Grah, Josip; Kovačević, Nenad; Barišić, Lovro; Krušlin, Božo: Age and sex differences in genome damage between prepubertal and adult mice after exposure to ionising radiation. // Archives of Industrial Hygiene and Toxicology, 67 (2016), 4; 297-303 doi:10.1515/aiht-2016-67-2882

Stojković, Ranko; Ivanković, Siniša; Ivanković, Dušica; Attias, Leonello; Mantovani, Alberto; Fučić, Aleksandra.: Testosterone-induced micronuclei and increased nuclear division rate in L929 cell line expressing the androgen receptor. // Toxicology in vitro, 29 (2015), 5; 1021-1025 doi:10.1016/j.tiv.2015.04.007


Ivanković, Siniša; Stojković, Ranko; Galić, Zoran; Galić, Borivoj; Ostojić, Jelena; Marasović, Maja; Miloš, Mladen : In vitro and in vivo antitumor activity of the halogenated boroxine dipotassium-trioxohydroxytetrafluorotriborate (K2[B3O3F4OH]). // Journal of enzyme inhibition and medicinal chemistry, 30 (2015), 3; 354-359 doi:10.3109/14756366.2014.926344

Racane, Livio; Stojković, Ranko; Tralić- Kulenović, Vesna; Cerić, Helena; Daković, Marijana; Ester, Katja; Mišir Krpan, Ana; Radić Stojković, Marijana: Interactions with polynucleotides and antitumor activity of amidino and imidazoliny substituted 2-phenylbenzothiazole mesylates. // European journal of medicinal chemistry, 86 (2014), 406-419 doi:10.1016/j.ejmech.2014.08.072

Vulić, Ana; Pleadin, Jelka; Durgo, Ksenija; Scortichini, Giampiero; Stojković, Ranko: Comparison of clenbuterol and salbutamol accumulation in the liver of two different mouse strains. // Journal of analytical toxicology, 38 (2014), 5; 265-271 doi:10.1093/jat/bku022

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2002 - 2006 Project of the Ministry of Science and Technology of the Republic of Croatia: "Effects of new drugs and hyperthermia on tumor growth and human xenograft"

2007 - 2011 Project of the Ministry of Science and Technology of the Republic of Croatia: "New approaches to the treatment of malignant diseases".

2003. Project Principal Investigator: 90 Day Oral Toxicity Study in Mice Derived for Medigence LLC, Chapel Hill, U.S.A.

2004. Researcher on the project to determine the in vivo anti-tumor efficacy of N-sulfonylcytosine derivatives derived from Biozyne d.o.o.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018 - Today Molecular DNA Recognition: RNA Hybrid and Multi-Channel Structures in Bioanalytic and In Vitro Systems - IP Foundation of the Croatian Foundation for Science

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Marina Šagud, Assistant Professor, Psychiatrist

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb, University Hospital Centre Zagreb, Department of Psychiatry

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research Methods of Psychological Functions and Behavior; Clinical psychopharmacology

BIOGRAPHY

Education and Training

• 1982-1988; School of Medicine, University of Zagreb
• 1989-1990; Rotating internship, Institute for Physical Medicine and Rehabilitation, Zagreb
• 1991-1993; Postgraduate study in Clinical Pharmacology, School of Medicine, University of Zagreb
• 1993-1997; Psychiatric Residency at University Hospital Center Zagreb, Department of Psychiatry
• April 2007; PhD Degree at School of Medicine, University of Zagreb, Thesis: "Platelet serotonin, platelet monoamine-oxidase and serum lipid levels in patients with affective disorders". Mentor: Professor Alma Mihaljević-Peleš

Professional Experience

• 1991-1993; Pharmaceutical Company „Pliva“
• 1993-1997; Psychiatric Resident at University Hospital Center Zagreb, Department of Psychiatry
• 1997-2008; Ward Physician at the Unit for Biological Psychiatry, Department of Psychiatry, University Hospital Center Zagreb
• 2009-2011; Chief of Unit for Schizophrenia and Other Psychotic Disorders as a part of Unit for Integrative Psychiatry, Department of Psychiatry, University Hospital Center Zagreb
• 2011-2014; Chief of Intensive Care Unit for Mood Disorders, Department of Psychiatry, University Hospital Center Zagreb
• 2014.; Head od Department for Schizophrenia, University Hospital Center Zagreb
• 2004-2014; Consultant for Croatian Department of Veteran Affairs
• 2008-; Assistant in Psychiatry, School of Medicine, University of Zagreb
• 2010-; Coordinator for e-learning in Psychiatry, School of Medicine, University of Zagreb
• 2012- Assistant Professor, School of Medicine, University of Zagreb

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: September, 2012

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

"Neuropharmacology of serotonergic system" sponsored by Ministry of Science No. 0098088 (Dorotea Muck-Šeler, PhD), (2001- 2006)

"Biological paramethers in psychiatrc disorders” sponsored by Ministry of Science No. 0108106 (Miro Jakovljević, MD, PhD, Professor), (2001- 2006)

2014-2015 project leader: “Predictors of treatment response in schizophrenia”, sponsored by University of Zagreb, project code: BM106

2015-2017-project leader: “the influence of religiosity on treatment outcome in depression: clinical and biochemical parameters”, sponsored by University of Zagreb, project code: BM126

2018-project leader: the impact of acute stress reaction and depressive disorder on the pathology of cardiovascular system, sponsored by University of Zagreb ; the project is still ongoing,

Investigator in the project: “Biomarkers in schizophrenia – integration of complementary methods in longitudinal follow up of first episode psychosis patients”; project code: 1247; project leader: Martina Rojnić Kuzman, Assistant Professor, the project is still ongoing,

Investigator in the project: European Commission’s Horizon 2020 Research Framework

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2014-2015 project leader: “Predictors of treatment response in schizophrenia", sponsored by University of Zagreb, project code: BM106
2015-2017-project leader: “the influence of religiosity on treatment outcome in depression: clinical and biochemical parameters”, sponsored by University of Zagreb, project code: BM126

2018-project leader: the impact of acute stress reaction and depressive disorder on the pathology of cardiovascular system, sponsored by University of Zagreb; the project is still ongoing,

Investigator in the project: “Biomarkers in schizophrenia – integration of complementary methods in longitudinal follow up of first episode psychosis patients”; project code: 1247; project leader: Martina Rojnić Kuzman, Assistant Professor, the project is still ongoing,

Investigator in the project: European Commission’s Horizon 2020 Research Framework

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Melita Šalković-Petrišić, MD, PhD, tenured professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Medical School University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical Neuropharmacology, Methods of investigation in vivo and in vitro

BIOGRAPHY

Prof. dr. sc. Melita Šalković-Petrišić

Laboratory of Molecular Neuropharmacology, Department of Pharmacology, Medical School University of Zagreb, Šalata 11, HR-10 000 Zagreb, Croatia (melitas@mef.hr)


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: October 2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Selected impactful publications 2010-2018:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1) MZOŠ scientific projects (PI) 2007-2012 „Brain, experimental and central diabetes, and cognitive and other related alterations“, 2002-2007 „Central Nervous System and diabetes mellitus (PI)

2) UKF scientific project (PI) 2010-2012 „Cytopathological characterization of the brain in a rat model of sporadic Alzheimer’s disease“
3) DAAD/MZOŠ bilateral projects (PI) 2004 – 2010

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2) HRZZ projects for mentorship of PhD students (PI) 2017 – 2021; 2019 – 2023

3) DAAD/MZOŠ bilateral project (PI) 2017 – 2018 „Molecular characterization of the therapeutic galactose potential as a new strategy in Alzheimer’s disease treatment”


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
1) 2015: “Cholinergic transmission in the brain of a streptozotocin-induced rat model of sporadic Alzheimer’s disease” (Knezović A)

2) 2013 “Insulin signaling in the brain in the experimental Alzheimer’s disease“ (Osmanović J)

3) 2006 “The role of azythromycine in the treatment of Campillobacter-induced gastroenterocolitis in children” (Vukelić D)

In progress:
2017 - “Therapeutic potential of oral galactose on cognitive and metabolic changes in two experimental models of Alzheimer’s disease” (Babić A)

2015- “Early changes in rat and mouse brain induced by central administration of streptozotocin” (Lončar A)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ivan Šamija, Assistant Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital “Sestre milosrdnice”

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical laboratory diagnostics of malignant melanoma with special reference to molecular-biological diagnosis assessment

BIOGRAPHY

Ivan Šamija was born in Zagreb, Croatia in 1976. He studied molecular biology at the University of Zagreb, Faculty of Science and graduated in 2000 obtaining a degree of graduate engineer in biology, field of molecular biology. In 2006 he finished a postgraduate study of biology, field of study immunobiology and physiology at the same University and obtained a Ph.D. degree in the scientific area of natural sciences. Since 2017 he is scientific adviser in the scientific area of biomedicine and health, field of basic medical sciences. Since 2000 he has been employed at the Clinical Hospital Centre Sestre milosrdnice, Department of Oncology and Nuclear Medicine, Zagreb, Croatia, first as junior researcher, and since 2008 as staff scientist, molecular biologist. From 2008 till 2009 (12 months) he performed postdoctoral research at National Institutes of Health, National Cancer Institute, Bethesda, USA. He participated as a researcher in several scientific projects. He was awarded Rector’s Award of the University of Zagreb in 1997 and Postdoc stipend from the Croatian Science Foundation in 2008. He has participated at teaching several courses on undergraduate, graduate and postgraduate level at the University of Zagreb School of Medicine, School of Dental Medicine and Faculty of Science. He is a mentor of two defended doctoral dissertations. Since 2015 he is employed as Assistant Professor and Head of Chair of Immunology at University of Zagreb School of Dental Medicine. He is an author on 74 scientific papers including abstracts in conference books of abstracts, of which 13 full scientific papers published in Current Contents and Science Citation Index listed journals. He is a collaborator or chapter author in 12 scientific books of which 6 university textbooks. His main scientific interests are application of molecular biology and immunology in cancer diagnostics, monoclonal antibodies as drugs for cancer and cancer immunology.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Šamija I. Molecular Markers for Personalized Approach to Patients with Melanoma. Rad 520, Medical Sciences 2014; 40:61-68.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE ParticiPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Circulating tumor cells in patients with solid tumors , project no. 134-1342428-2427 Ministry of Science, education and sport Republic of Croatia

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Neuroectodermal differentiation potential of mesenchimal stem cells isolated from oral cavity, University of Zagreb

Prognostic value of TERT mutations in locoregional metastases of differentiated thyroid cancer, University of Zagreb

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Dragana Šegulja, Msc in Medical Biochemistry

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb, Department of Laboratory Diagnostics

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical Methods in Biomedical Research; Laboratory approach to transplantation of haematopoietic stem cells

BIOGRAPHY

Dragana Šegulja, a medical biochemistry and laboratory medicine specialist, works in Unit for Electrophoretic and Immunochemical Laboratory Diagnostics at the Department of Laboratory Diagnostics.

In 2004 she graduated Medical Biochemistry at the Faculty of Pharmacy and Biochemistry, University of Zagreb. She completed Postgraduate Specialist Study in 2015 and in 2016 she passed a specialist examination. Doctoral studies at the Faculty of Pharmacy and Biochemistry start in 2010.

Work experience gain from 2005-2010 in the medical-biochemical laboratory at the Clinic for Lung Diseases Jordanovac and from 2010 in the Department of Laboratory Diagnostics UHC Zagreb. Since 2014, she has been participating in teaching at the Department of Chemistry, Biochemistry and Clinical Chemistry at University of Applied Health Sciences.

The subject of her scientific interest are monoclonal gammopathies, hemoglobinopathies and laboratory diagnostics of malignant diseases.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

1. Šegulja, Dragana; Matišić, Danica; Honović, Lorena; Batinić, Josip; Rogić, Dunja. Unusual pattern in haemoglobin electrophoresis in Croatian population: a case report. Biochimia Medica. 3 (2016) ; 451-456

2. Miler, Marijana; Nikolac, Nora; Šegulja, Dragana; Kackov Maslac, Sanja; Čelap, Ivana; Altabas, Karmela; Šefer, S.; Šimundić, Ana-Marija. Is peritoneal dialysis causing a measurable burden of inflammatory and endothelial injury on top of metabolic syndrome?. Journal of endocrinological investigation. 40 (2016) , 2; 163-168


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mario Šekerija, MD, PhD, scientific associate

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Croatian Institute of Public Health; School of Public Health, University of Zagreb, School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Epidemiological research methods

BIOGRAPHY

Mario Šekerija is an epidemiologist currently working as the Head of the Croatian National Cancer Registry at the Croatian Institute of Public Health. He is also a post-doctoral researcher at Department of Medical Statistics, Epidemiology and Medical Informatics of the School of Public Health Andrija Štampar of the University of Zagreb School of Medicine.

He graduated from the University of Zagreb School of Medicine where he also obtained his PhD degree. His scientific interests include cancer epidemiology and epidemiological methods in research and is a member of the working groups in the major international cancer epidemiology studies, including IICC, EUROCare and CONCORD. He co-authored over 50 scientific papers that are currently cited over 2,800 times (according to Google Scholar), with the h-index of 22.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: not applicable, date for last appointment to a research rank (scientific associate), 13.12.2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


41. GBD 2017 SDG Collaborators (Šekerija M). Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

As above.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018- Member of the Steering Committee of the European Network of Cancer Registries (ENCR)
2018-2021 Innovative Partnership for Action Against Cancer (IPAAC, Joint Action, EU Health Programme) – leader of work package 3 (Evaluation)
2016- Joint Action on Rare Cancers (JARC, Joint Action, EU Health Programme), associate, project leader for Croatia
2014 International Incidence of Childhood Cancer; IICC-3, associate, project leader for Croatia, member of the working group
2014- cancer survival projects (EUROCARE, CONCORD) associate, project leader for Croatia, member of the working group
2014 – 2017 European Guide on Comprehensive Cancer Control (CANCON, Joint Action, EU Health Programme), task leader, project leader for Croatia, coauthor of the publication on screening programmes
2007-2011 Prevalence of chronic complications of diabetes in Croatia (MZOS, leader Željko Metelko), junior researcher

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018- Member of the Steering Committee of the European Network of Cancer Registries (ENCR)
2018-2021 Innovative Partnership for Action Against Cancer (IPAAC, Joint Action, EU Health Programme) – leader of work package 3 (Evaluation)
2016- Joint Action on Rare Cancers (JARC, Joint Action, EU Health Programme), associate, project leader for Croatia
2014 International Incidence of Childhood Cancer; IICC-3, associate, project leader for Croatia, member of the working group
2014- cancer survival projects (EUROCARE, CONCORD) associate, project leader for Croatia, member of the working group
2014 – 2017 European Guide on Comprehensive Cancer Control (CANCON, Joint Action, EU Health Programme), task leader, project leader for Croatia, coauthor of the publication on screening programmes

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

0; 2 ongoing mentorships
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mr.sc. Marijan Šember

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine, Central Medical Library (CML)

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, methodology and functioning of scientific work

BIOGRAPHY

Marijan Šember was born in 1967. He attended elementary school in Jastrebarsko and completed secondary education at Technical School Ruđer Bošković in Zagreb. In 1994 he graduated from the archaeology and information sciences at the University of Zagreb Faculty of Humanities and Social Sciences. After a period of working in the elementary school he was employed at the Central Medical Library at the University of Zagreb School of Medicine. He regularly participates in teaching at undergraduate, graduate and postgraduate level. In 2007 he defended his Master of science thesis „Evaluation of biomedical open access journals using citation indicators“ and obtained the title Master of Science at the University of Zagreb Faculty of Humanities and Social Sciences.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Šember, M., Škorić, L., Petrak, J.

Current impact of ceased journals: are they still alive?

Šember, M., Petrak, J.

Publications in the croatian medical journals by doctoral candidates at University of Zagreb School of medicine [Radovi doktorskih kandidata s Medicinskog fakulteta Sveučilišta u Zagrebu u hrvatskim časopisima]

Markulin, H., Šember, M.

University of Zagreb Medical School repository: promoting institutional visibility

Markulin, H., Petrak, J., Šember, M.

Internet use among students at the University of Zagreb School of medicine: a comparative survey of three generations [Internet i studenti Medicinskog fakulteta u Zagrebu: analiza navika triju naraštaja studenata]
Škorić, L., Šember, M., Markulin, H., Petrak, J.
Information literacy in the graduate study curriculum at the School of medicine, University of Zagreb
[Informacijska pismenost u nastavnom programu diplomskog studija Medicinskog fakulteta Sveučilišta u Zagrebu]

Petrak, J., Šember, M., Granić, D.
Assessing research productivity in Department of internal medicine, University of Zagreb, School of medicine and University hospital centre Zagreb [Procjena publicističke produktivnosti Klinike za unutrašnje bolesti Medicinskog fakulteta i Kliničkoga bolničkog centra Zagreb]

Šember, M., Utrobičić, A., Petrak, J.
Croatian medical journal citation score in Web of Science, Scopus, and Google Scholar

Šember, M.
Medical journals and open access [Medicinski časopisi i otvoreni pristup]

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS
Šember, M., Škorić, L., Petrak, J.
Current impact of ceased journals: are they still alive?

Šember, M., Petrak, J.
Publications in the croatian medical journals by doctoral candidates at University of Zagreb School of medicine [Radovi doktorskih kandidata s Medicinskog fakulteta Sveučilišta u Zagrebu u hrvatskim časopisima]

Markulin, H., Šember, M.
University of Zagreb Medical School repository: promoting institutional visibility

Markulin, H., Petrak, J., Šember, M.
Internet use among students at the University of Zagreb School of medicine: a comparative survey of three generations [Internet i studenti Medicinskog fakulteta u Zagrebu: analiza navika triju naraštaja studenata]


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ljiljana Šerman, MD Phd, Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods of Molecular Biology in Medicine

BIOGRAPHY

Ljiljana Šerman graduated at the School of Medicine, University of Zagreb, in 1992, completed her internship in KB “Sestre Milosrdnice” from 1992 until 1993 and passed the professional exam in the same year. She holds a valid license issued by the Croatian Chamber of Physicians. In 1995 she started working as a assistant (research associate) in the Department of Biology, School of Medicine, University of Zagreb, where she graduated as a Master of Science (MSc) in 1999 (with the thesis “Glycolisation of the placental proteins in normal and pathological pregnancies”) and then earned a doctoral (PhD) degree in 2005 (with the thesis “The effect of 5-azacytidine on rat placenta”). She became an Assistant Professor in 2007 and Associate Professor in 2012, all at the Department of Biology, University of Zagreb School of Medicine. She did a professional training in glycobiology at the Department of biochemistry and molecular biology, Faculty of Pharmacy and Biochemistry, University of Zagreb and completed the following courses: “The art of teaching in medicine” (Zagreb); “Basic course in stereology” (Ljubljana); and “Basic and advanced genetic counselling” (Bertinoro). She participated in the work of 3 domestic and one international science and research projects, and has been the recipient and Principal Investigator (PI) of 4 University grants. At present, she is the leader of the working group “Placenta in pathological pregnancy” within the Scientific Center of Excellence for Reproductive and Regenerative Medicine (CERRM), Subunit: Biomedical research of reproduction and development, part of the European Structural and Investment Fund project, Competition and cohesion; European fond for regional development: Regenerative and reproductive medicine – investigation of new platforms and potentials (KK.01.1.1.01.0008.). She also participates in the HRZZ project “The role of Wnt signaling pathway in epithelial mesenchymal transition: WNT4EMT” and in the international project “The expression of the Hedgehog signaling pathway components Gli1, Gli3 and PTCH1 in invasive apocrine carcinoma of the breast”, in collaboration with Qatar University. Her scientific output consists of 44 publications, 18 of which are papers published in journals cited in Current Contents, 10 in journals cited in SCI, 10 in journals cited in other international indexes and 6 in non-indexed journals. She has presented her work on 50 international and domestic conferences. Her primary scientific interest is mammalian embryogenesis and carcinogenesis, specifically the differences in differentiation of trophoblast and tumors on epigenetic level, i.e., the differences in expression of specific proteins during implantation and placentation vs. tumorigenesis, with emphasis on their regulation through DNA methylation. She is the author and co-author of several teaching texts and book chapters. For her contribution to science she has received 9 awards and scholarships (10th Multinational Congress on Microscopy, Urbino, 2011: Award for best poster presentation). She teaches 8 undergraduate and 6 postgraduate courses at the School of Medicine and one undergraduate and one postgraduate course at the School of Dental Medicine. She has been the mentor of 5 students awarded with the Rector’s and Dean’s awards for their work as well as the mentor on 16 final and graduate theses and 3 doctoral dissertations. At the School of Medicine, she is a member of several committees: for graduate thesis, final exam and graduate exam; for teaching; and for enrollment in 1st semester and test exams. She is active in science popularization as part of the “Festival of science” event, held in Technical museum and as workshops at the Department of Biology, School of Medicine, and has written over 20 popular science articles for the Lijecnicke Novine (Physician’s Newsletter). She was a member of the editorial board that published the manual: “Croatian guidelines for genetic counselling and testing for hereditary breast and
ovarian cancers” (Brkljačić, Dedić-Plavetić, Haller, Levanat, Podolski, Šerman, Vrdoljak, Vukota, Žic and Žigman, eds., Medicinska Naklada, Zagreb, 2016). She is one of the authors of the on-line manual “Ask everything – Everything for her” (2016), aimed at women with breast cancer, and in 2014 and 2015 she volunteered as a psychotherapist in training in psychological and genetic counseling of women diagnosed with cancer and their family members. She has held a series of scientific and professional lectures, mostly those on the subject of genetic counseling. She has been on the editorial board since 2014 and an assistant editor for molecular medicine since 2018 of the Bosnian Journal of Basic Medical Sciences and a member of the Executive board of The Croatian society for clinical genetics.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: June 12th 2018; Full Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Serman L, Nikuseva Martic T, Vranic S: T-cell factor 1 expression in germ cell tumors with trophoblastic differentiation, Pathol Int 64: 86-7, 2014


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Šerman L, Nikuseva Martic T, Vranic S: T-cell factor 1 expression in germ cell tumors with trophoblastic differentiation, Pathol Int 64: 86-7, 2014


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Investigator at the project: “Experimental approach on reproductive health in mammals”, held by prof. dr. sc. Floriana Bulić-Jakuš and financed by Ministry of Science Republic of Croatia (2002-2006).

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2013-2018 The Role of Wnt signaling in Epithelial to Mesenchymal Transition (collaborator)

2014. Grant UNIZG 2014: Wnt signalisation in placentation and cancerogenesis (project leader)

2015. Grant UNIZG 2015: The role of Hedgehog signalling pathway in regulation of trophoblast and tumor invasiveness (project leader)

2016. Grant UNIZG 2016: The role of DNA methylation of Hedgehog signalling pathway genes in regulation of trophoblast and tumor invasiveness (project leader)

2017. Grant UNIZG 2017: DNA methylation of Patched-1, IHH i SHH genes in regulation of trophoblast and tumor invasiveness (project leader)

2017 - 2022 the leader of the working group “Placenta in pathological pregnancy” within the Scientific Center of Excellence for Reproductive and Regenerative Medicine (CERRM), Subunit: Biomedical research of reproduction and development, part of the European Structural and Investment Fund project, Competition and cohesion; European fond for regional development: Regenerative and reproductive medicine – investigation of new platforms and potentials (KK.01.1.1.01.0008.).

2017 - 2018 the international project “The expression of the Hedgehog signaling pathway components Gli1, Gli3 and PTCH1 in invasive apocrine carcinoma of the breast”, in collaboration with Qatar University (collaborator)

2018. Grant UNIZG 2017: The role of DNA methylation of Sufu gene in regulation of trophoblast and tumor invasiveness (project leader)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE 3
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Diana Šimić, PhD, Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Faculty of Organization and Informatics, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: 1. Statistical Analysis of Medical Data 1
2. Medical Statistics 2.3: Statistical tools for medical data analysis in observational study design with large samples
3. Medical Statistics 2.4: Statistical tools for medical data analysis in observational study design with small samples

BIOGRAPHY

Born in Zagreb 4 Oct. 1958. Graduated from the Faculty of Natural Sciences and Mathematics in 1982. In 1994 received the M.Sc. degree in Mathematics from the same faculty. Defended doctoral thesis at the School of Medicine University of Zagreb in 2001. Between 1983 and 1985 worked as a computer programmer in RIZ Transmitter Factory. From 1985 to 2002 works at the Institute for Medical Research and Occupational Health. From 1995 she is Head Biomathematics Laboratory, and 1991 to 1992 Chair Management Board. From 2002 to 2004 she holds function of assistant minister for informatics at Ministry for Science and Technology. Between 2004 and 2008 she is deputy state secretary at Central State Administrative Office for e Croatia. During 2009 she works as a consultant for e-Government and e-Business at Infodom company. Since 2010 she is associate professor at Faculty of Organization and Informatics University of Zagreb. Between 2010 and 2014 she is Vice-Dean for Research. Since 2015 she is a full professor. She participated in 33 research projects, half of them international. She was a project leader on one IPA and several professional projects. She lectured in 18 courses at all levels of study from undergraduate to postgraduate doctoral level. She initiated and leads seven new university courses. She supervised four defended doctoral theses (School of Medicine and Faculty of Organization and Informatics). Her research interests comprise multivariate statistical methods, generalized linear and additive models, research methods and applications of ICT in public sector and healthcare. She published 18 papers in journals referenced in CC, 28 referenced in WoS, and 22 papers in extenso published in international and national conference proceedings. She authored or coauthored 13 books and two book chapters. She was a keynote speaker at more than 20 research and professional conferences. Her papers attracted 355 citations reported in WoS, and 598 citations reported in Google Scholar. She was a president and a secretary of the Croatian Biometric Society. She is a member of the American Statistical Association, Association for Computing Machinery, and the Croatian Statistical Association. She was awarded the plaque Informatics of the Croatian Informatics Association in 2007 for contribution to the development of information society in Croatia; recognition for special contribution to advancement and recognition of the University Computing Centre of the University of Zagreb (in 2011), Europe’s Open Access Champion (2016), Dean’s certificate of appreciation for contribution to the development of the doctoral study and research methodology at the Faculty of Organization and Informatics (in 2016).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 19 May 2015

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

2015 – 2018 e-Škole: Uspostava sustava razvoja digitalno zrelih škola (pilot projekt) (ESF, članica tima)

2015 – 2018 "KyrMedu / Advancing University Education in Biomedical Engineering and Health Management in Kyrgyzstan" (Erasmus+, voditeljica FOI tima)

2015 – 2016 Stand4INFO - Razvoj visokoobrazovnih standarda zanimanja, standarda kvalifikacija i studijskih programa na osnovama Hrvatskog kvalifikacijskog okvira u području informatike (ESF, članica tima)

2015 – 2016 Razvoj studija ekologije, računarstva i matematike uz primjenu Hrvatskoga kvalifikacijskog okvira – EkoRaMa (ESF, vanjski ekspert)

2014 – 2016 “Share – PSI 2.0 Shared Standards for Open Data and Public Sector Informaton” collaboration network, EU CIP ICT programmes (članica tima)

2013 – 2015 “MEDINFO – Curriculum Development for Interdisciplinary Postgraduate Specialist Study in Medical Informatics / MEDINFO – Razvoj kurikuluma za Interdisciplinarni poslijediplomski specijalistički studij medicinske informatike”, IPA BGUE 04 06 – Human Resources Development, Further development and implementation of the Croatian Qualifications Framework, GRANT CONTRACT NO. IPA4.1.3.1.06.01.c12 (voditeljica projekta)

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

2015 – 2018 e-Škole: Uspostava sustava razvoja digitalno zrelih škola (pilot projekt) (ESF, članica tima)
2015 – 2018 "KyrMedu / Advancing University Education in Biomedical Engineering and Health Management in Kyrgyzstan" (Erasmus+, voditeljica FOI tima)

2015 – 2016 Stand4INFO - Razvoj visokoobrazovnih standarda zanimanja, standarda kvalifikacija i studijskih programa na osnovama Hrvatskog kvalifikacijskog okvira u području informatike (ESF, članica tima)

2015 – 2016 Razvoj studija ekologije, računarstva i matematike uz primjenu Hrvatskoga kvalifikacijskog okvira – EkoRaMa (ESF, vanjski ekspert)

2014 – 2016 “Share – PSI 2.0 Shared Standards for Open Data and Public Sector Information” collaboration network, EU CIP ICT programmes (članica tima)

2013 – 2015 “MEDINFO – Curriculum Development for Interdisciplinary Postgraduate Specialist Study in Medical Informatics / MEDINFO – Razvoj kurikuluma za Interdisciplinarni poslijediplomski specijalistički studij medicinske informatike”, IPA BGUE 04 06 – Human Resources Development, Further development and implementation of the Croatian Qualifications Framework, GRANT CONTRACT NO. IPA4.1.3.1.06.01.c12 (voditeljica projekta)

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**

4
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Goran Šimić MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb Medical School

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Neurobiology of aging; Selected chapters in epileptology in developmental age

BIOGRAPHY

Goran Šimić is a tenured Professor of Neuroscience and Anatomy, and the Head of Neuroscience Department at the Croatian Institute for Brain Research of the University of Zagreb Medical School. In the department, prof. Šimić also leads the Laboratory for Developmental Neuropathology. He graduated from the University of Zagreb Medical School in 1992, where he, after three research fellowships from Karolinska Institute in Stockholm, also received PhD in 1998. His laboratory has extensive expertise in the neuropathology of developmental and neurodegenerative disorders and has established an international cooperation on biomarkers for brain diseases, especially Alzheimer's disease. Prof. Šimić was the Editor-in-Chief and Managing Editor of Translational Neuroscience journal from 2010-2016. For his work on etiopathogenesis of spinal muscular atrophy he received The Kurt Jellinger Prize from Acta Neuropathologica and Springer-Verlag in 2008.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2016

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


63. Krušlin, B., Cviko, A., Jukić, S., Šimić, G., Kurjak, A. Neural tube defects in induced abortions


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2018: University of Zagreb project BM103/2018 „Pilot investigation on Alzheimer’s disease diagnosis in preclinical stage using a combination of biomarkers from blood and cerebrospinal fluid”

2017: University of Zagreb project BM82/2017 „Determination of blood-brain permeability in Alzheimer’s disease”

2016: University of Zagreb project BM112/2016 „Mechanisms of neurofibrillary degeneration in vitro and in vivo”


2015: University of Zagreb project BM112/2015 „Biomarkers of Alzheimer’s disease in cerebrospinal fluid”


1997-2001: „Tau and neurofilament proteins, and nitric oxide synthetase, as markers of hippocampal neurons’ vulnerability in Alzheimer’s disease“, Croatian Ministry of Science and Technology, grant no. 108-503


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


http://alztauprotect.hiim.hr/

http://alzbiotrack.hiim.hr/

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

4
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mirjana Šimić, Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Andrija Štampar Teaching Institute of Public Health, Department of Clinical Microbiology

NAME OF COURSE MODULE THAT HE SHE TEACHES AT THIS DOCTORAL STUDY: Methods of molecular biology in medicine

BIOGRAPHY

Mirjana Šimić born on 25 January 1964 Graduated in 1988 at the Faculty of Food Technology and Biotechnology of the University of Zagreb, Biochemical Engineering. Professional Exam: 1990. Professional Ability to Work, Healthcare Worker, Clinical Laboratory Diagnostic Institute, (KZLD), Clinical Hospital Center, Zagreb. She graduated in 1998 as Master of Biotechnical Sciences, Biotechnology Biomedical Science, Master’s Thesis entitled "Influence of Immunoglobulin Preparation Methods on Activity and Concentration of Specific Antibodies", made at the Institute of Immunology and Faculty of Food Technology and Biotechnology , University of Zagreb. She received her PhD in 2007 from the field of Biotechnical Sciences, Biotechnology, Biomedical Sciences, Biochemical Engineering, Biophysical Biotechnology Faculty of the University of Zagreb. Dissertation titled "Multiple Sclerosis and Role of Apolipoprotein E Genotype". Work done in the Immunological Institute, the Hospital of the Sveti Duh and the KZLD. Scientific title: 2014 Scientific associate, Faculty of Food Technology and Biotechnology , University of Zagreb, scientific area - biotechnical sciences, scientific field - biotechnology. Membership in Croatian Microbiological, Society - Immunological Section. Work experience: 2015.-Andrija Štampar Teaching Institute of Public Health, Department of Clinical Microbiology, 2010 - 2015 Institute of Immunology, Head of Plasma Processing Department, 1993 - 2010 Institute of Immunology, Plasma Processing Department - Head of Department, 1992 - 1993 Health Center Velika Gorica, Medical Biochemist Position, 1989. - 1991. Clinical Hospital Center Zagreb, Clinical Institute for Laboratory Diagnosis. Teaching activity: 2010 - 2013 Faculty of Food Technology and Biotechnology, University of Zagreb Graduate study program: Molecular biotechnology, Immunology; 2016. - Medical School , University of Zagreb, PhD program, Biomedicine and Health Sciences: Methods of molecular biology in medicine. 2018 - Health Polytechnic, Department of Microbiology, Study of Sanitary Engineering.

DATE OF LAST APPOINTMENT TO A RESEARCH AND TEACHING OR ART AND TEACHING RANK: 22.05.2014.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Mirna Šitum, academician; Full member of Croatian Academy of Sciences and Arts; full professor of dermatology and venereology, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb, School of Dental Medicine; Department of Dermatology and Venereology, Sestre milosrdnice University Hospital Centre, Zagreb, Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical-laboratory diagnostics of malignant melanoma with special reference to molecular-biological diagnostic capabilities

BIOGRAPHY

Academician Mirna Šitum was born in 1962. In 1985 she graduated in University of Zagreb, Medical School. As a general practitioner she worked 1986-1991 at Emergency Medicine Department in Split. In 1991 she voluntarily attended to 4th Guardian Brigade of Croatian Army as a colonel where until 1993 she performed duty of a Head of medical corps as well as medical doctor.

In 1996 she finished residency training at Department of Dermatology and Venerology, University Hospital Centre Zagreb while in 2004 she became Subspecialist of Dermatological oncology at Sestre milosrdnice University Hospital Centre, Zagreb.

Nowadays she is a leading Croatian dermatooncologist with prominent international scientific and professional reputation. Since 2000 she is performing duty of Head of the Department of Dermatology and Venereology at Sestre milosrdnice University Hospital Centre Zagreb, Croatia. In 1999 she became Head of the Department of Dermatovenereology, School of Dental Medicine, University of Zagreb, Croatia and in the same institution in 2007 she became a scientific consultant and in 2012 a full professor.

As a postdoctoral programme coordinator she is managing several courses in University of Zagreb: Medical School, School of Dental Medicine and Faculty of Pharmacy and Biochemistry. In May 2018 she was elected as a Full member of Croatian Academy of Sciences and Arts.

From 2009-2018 she was a President of the Croatian Dermatovenereological Society of the Croatian Medical Association. So far she was a president of 23 international congresses, 7 national congresses and 17 international symposiums. She is author and co-author of 695 scientific publications: 197 scientific papers of which 102 cited in Current Contents. She is editor of 23 books and as author in 38 books she wrote 104 book chapters. As a Head researcher and Associate researcher she contributed in 17 national and international scientific projects. She is Head coordinator of «Euromelanoma day organization» in Croatia as well as a member of Scientific Advisory Board of Vitiligo Research Foundation. She was a founder of several subspecialist activities in fields of dermatooncology, dermatosurgery and psychodermatology.

She is a founder and Head of the Croatian Referral Centre for Melanoma and Croatian Referral Centre for Chronic Wounds of the Ministry of Health of the Republic of Croatia. Since 2010 she is a visiting professor at the Josip Juraj Strossmayer University of Osijek Faculty of Medicine. At the University of Mostar, School of medicine during two mandates she was performing duty of Head of the Department of Dermatovenereology and since 2007 she is a full professor. In numerous international and national symposiums she was invited lecturer. She is a member of 7 Editorial Boards in national and international
scientific journals as well as a member of 10 international professional scientific associations. She was a mentor of a 20 doctoral dissertations.

She is a Head of the Specialist Training Programme in Dermatology and venereology and a chairwoman of the Dermatology and venereology Commission of the Ministry of Health of the Republic of Croatia, as well as a member of several expert committees of the Ministry of Health of the Republic of Croatia.

In the field of dermatooncology, she the most productive and the most cited author in Croatia. Her scientific research regarding to molecular and genetic basis of the development of familial malignant skin tumors became standard part of clinical practice of prediction of disease development among family members. Also, she was a founder of vitiligo Biobank Croatia and she was the first physician in Croatia who performed melanocyte transplantation. Her scientific work in the psychodermatology area is also worldwide appreciated and results of her scientific experience became a part of clinical practice as an interdisciplinary collaboration among dermatologists, psychologists and Liaison psychiatrists.

With her scientific and professional reputation, national and international recognition, continuous promotion of scientific and professional topics in the field of dermatovenerology and public health, she is placed among the most prominent and most successful persons of her generation in Croatian and international medical science. She made a major step in the perception of dermatovenerology profession in Croatia, translating it from a conservative internist profession into a functional interdisciplinary science that insists on a holistic approach to the patient, and in the first place puts prevention, education and science into the service of human being.

Regarding to her scientific and professional activities she has received numerous honors; in 1991 City of Split Award related to the contribution in organizing and founding of field hospitals during Croatian War of Independence and in 1992 President of Croatia honored her with Memorial and Medal of Croatian War of Independence as well as with Medals related to battles of Croatian War of Independence, 4th Guardian Brigade Plaque of Croatian army and “Pauk” medal. In 2005 she received Croatian Academy of Sciences and Arts award in the field of medical sciences, in 2011 Croatian Medical Association awarded her with Diploma and the Ladislav Rakovac Award and in 2016 she received National Science award for popularization and promotion of science.

**DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:** full professor of dermatology and venereology (may 1st, 2012); academician; Full member of Croatian Academy of Sciences and Arts (june 14th, 2018)

**LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. “Vitiligo Biobank Croatia”
2. „Study of Vitiligo Stability Time to Relapse“.
4. “EORTC 18961 SIGNATURE LOG”, project of the European Organization for Research and Treatment of Cancer
5. “Molecular-genetic basis of the Gorlin syndrome”, Croatian-French bilateral project
6. „Psychological status of patients with different dermatoses and malignant tumours of the skin‟, scientific project funded by the Croatian Ministry of Science, Education and Sports
7. “Genetic research of the Gorlin syndrome”, scientific project funded by the Croatian Ministry of Science, Education and Sports
8. “SHH/PTCH/SMO signal pathways in tumours and malformations”, scientific project funded by the Croatian Ministry of Science, Education and Sports
9. “Photodynamic therapy”, scientific project funded by the Croatian Ministry of Science, Education and Sports

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEAR
1. „Psychological status of patients with different dermatoses and malignant tumours of the skin“, scientific project funded by the Croatian Ministry of Science, Education and Sports (2007-2013)
2. „Vitiligo Biobank Croatia“ (2013)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 20
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Siniša Škokić, Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Morphological Methods in Biomedical Research

BIOGRAPHY

Siniša Škokić was born in Zagreb in 1978, where he finished school and graduated from Faculty of Electrical Engineering and Computing. He got his M.Sc. and Ph.D. titles from the same affiliation in 2005 and 2009, respectively. For this doctoral thesis entitled "Analysis of Reflector Antenna Systems by Means of New Conical Wave objects" he received the "Josip Lončar" Silver Plaque for an outstanding PhD dissertation.

From 2001-2013 he worked as a research assistant at the Faculty of Electrical Engineering and Computing. For the "Antennas and Propagation" course, he wrote the textbook "Antenna Basics - Theory and Examples". He is also a co-author of a workbook "Lines and Antennas - Exercises", written for the Polytechnic of Zagreb (TVZ).

Since 2013, he has been employed at the University of Zageb School of Medicine. He first participated in the EU FP7 project "Glowbrain" as an expert engineer, coordinating the development and construction of a new laboratory dedicated to preclinical neurological research, with special in-vivo imaging equipment such as a small animal magnetic resonance imager (MRI) and in vivo optical imager of bioluminescence and fluorescence. After "Glowbrain", he continued to work at UZSM as a research collaborator specializing in medical imaging and image post-processing techniques.


He has thus far authored or co-authored over 40 research papers, of which 8 are indexed in Web of Science Core Collection database. For his work, he received the international award "URSI Young Scientist Award" (2008), as well as several "best paper" awards at international conferences (EuCAP 2010, MMET 2012, EMIM 2019). He was appointed Senior Research Collaborator rank in November 2018., for the field of Technical Sciences - Electrical Engineering.

He speaks English, French, Italian and Russian.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: -

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

a. EU FP7 grant 316120 „GlowBrain”

b. EU H2020 grant 681103 „Bio-Chip”

c. EU ESF/ASOO projekt „Mladi mozek”

d. EU ESI grant KK.01.1.1.01.0007 "ZCI-Neuro" (Eksperimentalna i klinička istraživanja hipoksiko-ischemijskog oštećenja mozga u perinatalnoj i odrasloj dobi, Znanstveni centar izvrsnosti)

e. HRZZ IP 5699 „COPERA”

f. HRZZ IP 1892 „RepairStroke”

g. MZO bilateralna suradnja s Austrijom, „High field MRI to measure efficacy of extracellular vesicle therapy after spinal cord injury in a rat contusion model”

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

a. EU FP7 grant 316120 „GlowBrain”

b. EU H2020 grant 681103 „Bio-Chip”

c. EU ESF/ASOO projekt „Mladi mozek”

d. EU ESI grant KK.01.1.1.01.0007 "ZCI-Neuro" (Experimental and Clinical Assessment of hypoxic-ischemic brain lesions in perinatal and adult age, Research Center of Excellence)
e. HRZZ IP 5699 „COPERA“
f. HRZZ IP 7406 „MEFRA“
g. HRZZ IP 1892 „RepairStroke“
h. HRZZ UIP 8082 „Bradlschemia“
i. MZO bilateral collaboration with Austria, „High field MRI to measure efficacy of extracellular vesicle therapy after spinal cord injury in a rat contusion model“
j. MZO bilateral collaboration with Serbia, “Primjena matičnih stanica za eksperimentalno liječenje amiotrofične lateralne skleroze“
k. Czech Scirence Foundation, "Lečba glioblastomu pomoci superparamagnetických nanočastic na bazi oxidu železa s povrchové konjugovaných lečivem“

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
-
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Lea Škorić, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, methodology and functioning of scientific work 1

BIOGRAPHY

Lea Škorić (born Pulišelić) was born in 1979 in Supetar on the island of Brač. She attended elementary school in Pučišća, and completed secondary education at Vladimir Nazor grammar school in Split. In 2013 she graduated from the study of history and comparative literature at the University of Zagreb Faculty of Humanities and Social Sciences, and in 2004 graduated from an additional study of librarianship at the same school.

Since 2004 she has been employed at the Central Medical Library at the University of Zagreb School of Medicine, and in 2014 she takes over as the head of the library. Her core tasks are planning, organization and management of the work of the Central Medical Library (including selection, procurement, formal and subject cataloging of library materials in printed and electronic form, complex database searches for the purpose of supporting scientific research work, compiling and interpreting specialized bibliographic analyzes, development, organization and improvement of the work of particular library departments, preparation and implementation of various forms of user education, etc.). In addition, she is involved in scientific research work, and regularly participates in teaching activities on undergraduate, graduate and postgraduate level.

In 2013, she defended her dissertation "MeSH thesaurus as a framework for the analysis of subject approach to Croatian medical literature" and obtained the title of the Ph.D. in the PhD School of Information and Communication Sciences at the University of Zagreb Faculty of Humanities and Social Sciences. During the same year, the Ministry of Culture awarded her the title of a higher librarian, and in 2018 she was awarded the highest professional degree - the title of a librarian's advisor.

Lea Škorić has published several scientific and professional papers in journals, she has actively participated in international and domestic professional conferences and reviewed papers for Croatian scientific journals. She is a member of several expert committees at the School of Medicine, and works on projects at the University of Zagreb and at the national level. As a fellow of the Ian Mowat Foundation, she spent some time in vocational training at the Edinburgh University Library.

She is a member of the Commission for Medical Libraries at the Croatian Library Association since 2010, and has represented Croatia in the Council of the International Association for Health Information and Libraries (EAHIL) in two mandates.

Her scientific interests include scientific publishing, methods of quantitative and qualitative evaluation of scientific papers, open access, biomedical information systems organization and characteristics, and the theory and practice of subject cataloging.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: /

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Škorić, Lea; Petrak, Jelka. Hrvatski medicinski časopisi i standardi dobre uređivačke prakse: analiza uputa autorima // Liječnički vjesnik : glasilo Hrvatskoga liječničkog zbora, 139 (2017), 7-8; 204-210

Škorić, Lea; Vrkić, Dina; Petrak, Jelka. Current state of open access to journal publications from the University of Zagreb School of Medicine // Croatian medical journal, 57 (2016), 1; 71-76. doi: 10.3325/cmj.2016.57.71


Škorić, Lea; Šember, Marijan; Markulin, Helena; Petrak, Jelka. Informacijska pismenost u nastavnom programu diplomskog studija Medicinskog fakulteta Sveučilišta u Zagrebu // Vjesnik bibliotekara Hrvatske, 55 (2012), 3/4; 17-28


Pulišelić, Lea; Petrak, Jelka. Is it enough to change the language? A case study of Croatian biomedical journals // Learned publishing, 19 (2006), 4; 299-306


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


Škorić, Lea; Petrak, Jelka. Hrvatski medicinski časopisi i standardi dobre uređivačke prakse: analiza uputa autorima // Liječnički vjesnik : glasilo Hrvatskoga liječničkog zbora, 139 (2017), 7-8; 204-210


Škorić, Lea; Vrkić, Dina; Petrak, Jelka. Current state of open access to journal publications from the University of Zagreb School of Medicine // Croatian medical journal, 57 (2016), 1; 71-76. doi: 10.3325/cmj.2016.57.71


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE**
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Snježana Škrablin Kučić, MD, PhD; permanent tenure

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb; Clinical Hospital Center Zagreb, Croatia

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: “Biomaterial Infections”.

BIOGRAPHY
Born in 1956 in Zagreb. Medical School, University of Zagreb starting in 1975 ended in 1980. After passing the State exam worked two years in primary care, then a year in the Department of Nephrology at “Sveti Duh” Hospital, and specialized Gynecology and Obstetrics at the University Hospital of Gynecology and Obstetrics, Zagreb, Croatia (1985-1989). That same year she was elected assistant in the Department of Gynecology and Obstetrics, at University of Zagreb Medical School. During 1980 attended and completed graduate studies in oncology, and in 1984 defended master thesis entitled “Meaning of eosinophilia in the peripheral blood after irradiation of malignant tumors”. In 1994 defended PhD Thesis. After habilitation lecture in 1996, elected assistant professor and in the year 2000 professor of ob/gyn in the Department of Gynecology and Obstetrics, Medical School, University of Zagreb. In 2007 elected full professor.

Since the beginning of specialization takes part in scientific research in the field of perinatal medicine: programs to prevent premature birth, disturbances in fetal growth, the area of prenatal diagnosis of congenital malformations and diseases of the child. She has published over 100 scientific and professional papers, and regularly participates in the professional and scientific conferences and meetings in Croatia and abroad. Organized 9 training courses for doctors. Member of the Section on Perinatal Medicine of the Croatian Medical Association and the Governing Board of the Croatian society for gynecologic endocrinology and human reproduction. Awarded with Acknowledgement to the long-standing professional and scientific activity in the field of maternity protection in the Republic of Croatia, 1999. Head of the Department of Pathology of pregnancy II Reference Center of Perinatal Medicine of Croatia. Since 2015 - Head of Department of Perinatal Medicine at University Medical School of Zagreb.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2012, tenured professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


5. Škrablin S. Ekosistem rodnice – normalna vaginalna mikroflora.

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

1. Croatian Ministry of Health: “Čimbenici prijevremenog poroda”, project No. 123 032

2. Croatian Ministry of Health: Project No. 0108 261, “Utjecaj antenatalnih zbivanja na dugoročni neonatalni ishod”

3. International project DFG Ve 174/1-I-5 “Investigation on immunogenic factors in normal and abnormal pregnancy” (project leader: K. Van der Ven, Bonn), collaborator


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**


**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE:** 2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Asst. Prof. Lana Škrgatić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Human Reproduction

BIOGRAPHY

Education

2017. Human reproduction specialist, Clinical Hospital Centre Zagreb

2011 Ph.D. in Medical Sciences, School of Medicine, University of Zagreb

2009. Obstetrics and Gynaecology specialist, Clinical Hospital Centre Zagreb

2000 M. D. degree, School of Medicine, University of Zagreb

Position

Since 2017. Assistant Professor; 2012. Senior Assistant; 2011 Assistant; 2001-2011 Scientific novice - assistant, University of Zagreb, School of Medicine, Zagreb, Croatia

Since 2009. Clinical Hospital Centre Zagreb

Scholarships

2007. Scholarship of the Ministry of Higher Education, Science and Technology of Slovenia at the Department of Obstetrics and Gynecology, Division of Medical Genetics, University Medical Centre Ljubljana. Mentor: Ksenija Geršak.

Mentorships and teaching

Integrated Undergraduate and Graduate Program School of Medicine at University of Zagreb curriculums obstetrics and gynaecology (Croatian and English) and curriculum Fundamentals of Medical Skills.

Specialist postgraduate studies of Family medicine, School medicine, Laboratory medicine and Obstetrics and Gynaecology at the Medical School of the University of Zagreb

Mentorship of 7 students graduate thesis, 2 thesis in process.

Administrative activities

6/2018 Dean's assistant for Graduate Program of Studies in Nursing University of Zagreb School of Medicine

2013.-2015. member of the Faculty Council of the University of Zagreb School of Medicine

2013. - Member of the University of Zagreb School of Medicine Textbooks Committee

Awards

2008. "Pearl of Wisdom" European parliament award for best organized campaign for primary prevention of cervical cancer – team member

The article „The efficacy and safety of local estrogen treatment in patients with urogenital symptoms” recieved IJGO Prize Paper Award – best clinical article in developing countries for year 2003.

Memberships in Professional Associations

Member of administrative committee of the Croatian Society of Human reproduction and Gynaecological endocrinology, Croatian Medical Chamber.

Secretary of the Association: National Committee for the Promotion of Cervical Cancer Prevention "For All Women".

Member of the Croatian Society of Gynaecologists and Obstetricians, Croatian Medical Chamber

Member of the Croatian Menopausal Society, Croatian Medical Chamber

Member of the Croatian Andrology Society, Croatian Medical Chamber
Publications

Original scientific papers in WoS-indexed (15) and other (14) scientific journals

Total citations excluding self-citations: 193

Congress communications (abstracts) in SCI/CC-indexed journals (7), other (9)

Book chapters and textbook chapters (10)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: January 16th 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018. - Assessment of daily exposure to metals and maternal individual susceptibility as factors of developmental origins of health and disease, HRZZ No. 1998, associate
2015.- The Research Center of Excellence for Reproductive and Regenerative Medicine. Research units Biomedical Research of Reproduction. Epigenetic biomarkers in the blood and ejaculate of patients with testicular seminoma, HRZZ No. 3692, associate


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018. - Assessment of daily exposure to metals and maternal individual susceptibility as factors of developmental origins of health and disease, HRZZ No. 1998, associate

2015.- The Research Center of Excellence for Reproductive and Regenerative Medicine. Research units Biomedical Research of Reproduction. Epigenetic biomarkers in the blood and ejaculate of patients with testicular seminoma, HRZZ No. 3692, associate

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: prof.dr.sc. Zvonko Šošić

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: retired

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Epidemiological research methods

BIOGRAHY

Born on 12. travnja 1942 in Zagreb. In 1952. he finished elementary school, 1960. was graduated from the Classical High School, and in the 1967 he graduated from the Medical University of Zagreb. After military service (1969) completed an internship and 1971. passed state exam. He finishe postgraduate studies in Public Health at the School of Public Health “Andrija Štampar” School of Medicine, University of Zagreb in the 1971. year. He passed specialistc exam in social medicine with the organization of health services in 1980. He also was training in the U.S. the School of Physiological Hygiene, University of Minnesota in Minneapolis, while attending summer graduate course in general epidemiology and the epidemiology of cardiovascular disease (1977). During his stay in the United States introduced the work of a number of centers of the Multiple Risk Factor Intervention Trial (MRFIT) at the Northwestern University, Rush Presbiterian School of Public Health and Saint Joseph’s Hospital in Chicago. He worked from 1969. until his retirement in 2007, at the Medical University of Zagreb School of Public Health “Andrija Štampar”. He was assistant at the Department of Hygiene, Social Medicine and Epidemiology and in 1971 got Degree of Master of Science scored the 1979th with the theme "Epidemiological characteristics of adulthood obesity people in our rural and urban populations." He got Doctor of Science degree in 1991. with dissertation titled "Predictive value of complex variables in the epidemiology of arterial hypertension." In 1979. he was chosen for the research assistant, 1992. Assistant Professor and in 1998. Associate Professor, Department of Hygiene, Social Medicine and Epidemiology. From 2003. he is a Head of the Department of Social Medicine and Organization of health care since 2006. when he became Director of School of Public Health Andrija Štampar. From 1994. he was the head of the Department of Hygiene, Social Medicine and Epidemiology, Faculty of Dentistry, University of Zagreb. Since 1999. to 2007. President of the Croatian Society for Public Health, the Croatian Medical Association, 2004. to 2005 Vice President Europen Public Health Association.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Utjecaj organizacije na kvalitetu i efikasnost zdravstvene zaštite

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Marina Šprem Goldštajn, full professor
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department for Gynecology and Obstetrics, Medical School University of Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Diagnostics and treatment of female urinary incontinence

BIOGRAPHY

Education:
- 1986-1991 School of Medicine, University of Zagreb, undergraduate study.
- 1997- Master degree
- 2002 - PhD: Medical School University of Zagreb

Research:
- 1994- 1998. Research fellow in Obstetrics and Gynaecology, School of Medicine, University of Zagreb
- 2002-nowadays Gynecology and Obstetrics specialist, Department for Gynecology and Obstetrics, Medical School University of Zagreb, Human reproduction and Gynecology Endocrinology Unit
- 2012 – subspecialist of human reproduction, gynaecological endocrinology and menopause
- 2015- Cohead Referal Centre for human reproduction and gynecological endocrinology, Ministry of Health, Croatia
- 2013 scientific adviser
- 2018- Full professor

Organisation of scientific congresses
1. 1st International Brijuni Congress on Reproductive Medicine, 11th Croatian Congress on Gynaecological Endocrinology, Human Reproduction and Menopause, 4th Congress of Croatian Society of Clinical Embryologists with international participation, Brijuni, Croatia, 7-10.09. 2017. – Organizacijski odbor
2. Fist category postgraduate course «Controversies in Reproductive Medicine, Gynaecologic Endocrinology, Contraception and Menopausal Medicine», Zagreb, Hrvatska 2017. – VODITELJ TEČAJA
5. 7. hrvatski kongres ginekologa i opstetričara s međunarodnim sudjelovanjem, Osijek, Hrvatska, 19-22.5.2016. – znanstveni odbor
6. Hrvatski kongres o reprodukcijskom zdravlju, planiranju obitelji, kontracepciji i IVF-u s međunarodnim sudjelovanjem, Šibenik, Hrvatska, 21-23.4. 2016. – organizacijski odbor
7. 10. Hrvatski kongres o ginekološkoj endokrinologiji, humanoj reprodukciji i menopauzi s međunarodnim sudjelovanjem Brijuni, Hrvatska 10-13.9.2015. – organizacijski odbor
8. 3. Hrvatski kongres o reprodukcijskom zdravlju, kontracepciji i IVF-u s međunarodnim sudjelovanjem. Šibenik, Hrvatska, 15-17.5.2014. - organizacijski odbor
13. 5th Slovene-Croatian Symposium on Menopause and Andropause, Bled, Slovenia, 2009. – organizacijski odbor
14. 5. hrvatski kongres o reprodukcijskom zdravlju, planiranju obitelji, kontracepciji i IVF-u s međunarodnim sudjelovanjem, Šibenik, Hrvatska, 2018. – POTPREDSJEDNIK KONGRESA
15. TOP 40 meeting Regional Leading Lights in Urogynecology and Urology. Plitvice 2013- organizacijski odbor
16. TOP 40 meeting Regional Leading Lights in Urogynecology and Urology. Gospić 2015- organizacijski odbor
17. 10. hrvatski kongres o osteoporozi, Trakošćan 2016. – znanstveni odbor
21. Prvi hrvatski simpozij ginekologa i urologa, Plitvice 2010. Organizacijski i znanstveni odbor
22. Peti slovensko hrvatski simpozij o menopauzi i andropauzi, Bled 2009. – znanstveni odbor
23. Četvrti slovensko hrvatski simpozij menopauze i andropauze, Opatija, 2007. Organizacijski odbor
25. Šesti hrvatski kongres o ginekološkoj endokrinologiji, humanoj reprodukciji i menopauzi, Brijuni 2007. Organizacijski odbor
26. Četvrti hrvatski konsenzus o hormonskom nadomjesnom liječenju u klimakteriju i postmenopauzi, Šibenik, 2005.
E. Member of Editorial board Gynecologia et Perinatologia from 2012
F. Membership and function in scientific and professional Croatian Medical Chamber
President of Croatian Menopausal Society
Board Member Croatian society for human reproduction and gynaecological endocrinology
Secretary of Croatian society for urogynecology
Member of Croatian Society for Gynecology and Obstetrics
Member of European Society for human reproduction and embryology
Member of European society for menopause and andropause
Member of CAMS and IMS
2017 Award of Croatian Medical Chamber

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 10/2018
LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
1994 - 1996 Neuurology and urodynamics, Ministry of science, education and sport, Croatia
1996 - 1998 Problem of female urinary incontinence in older women, Ministry of science, education and sport, Croatia
2014 - Assessment of Microbiota, Inflammatory Markers, Nutritional and Endocrinological Status in IBD Patients (Acronym MINUTE for IBD) Croatia

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
2014 - Scientific centar for reproductive and regenerative medicine. Biomedical research of reproduction and development. Ministry of science, education and sport, Croatia
2014 - Reproductive and regenerative medicine –research of new platforms and potentials
2016 - "Diminish of ovarian reserve adter ovarian surgery the importance of AMH", UKC Maribor, Slovenia
2016 – danas „ Reprodukcija človeka- laboratorijski in eksperimentalni vidiki”, znanstveni projekt UKC Maribor, Slovenija- istraživač
2014. - Assessment of Microbiota, Inflammatory Markers, Nutritional and Endocrinological Status in IBD Patients (Acronym MINUTE for IBD) Croatia

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: assistant professor Krešimir Štambuk, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinic “Magdalena”

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Telemedicine

BIOGRAPHY

Date and place of birth: 19.09.1969, Zagreb
Qualification: Doctor of Medicine, specialist in internal medicine, subspecialist cardiologist
Academic title: Doctor of Science
Scientific-teaching: Docent
Occupation of Head of Department of Cardiology

Education
• graduated from the Faculty of Medicine in Zagreb in 1994 as Academic Achievement
• 2003-2011 Assistant
• 2011 Senior Assistant
• 2013. Assistant Professor

Training and Work Experience
• 1994th scholar at the Internal Clinic of KBC "Sestre Milosrdnice"
• 2002 completed internal medicine specialization
• Completed subspecialization of cardiology in 2007
• 2011. She holds the title of Doctor of Science - Dissertation from the Percutaneous Coronary Intervention
• until 2011 at the Institute for Cardiovascular Diseases of KBC "Sestre milosrdnice"

Clinical Skills and Competences
• Primary professional interest is invasive cardiology that includes all aspects of diagnostic and invasive therapy of coronary disease, valvular pathology including TAB, closure of ASD and PFO
• interventions on peripheral arteries and endovascular aortic disease treatment
• long-term experience in clinical echocardiography, treatment of heart failure
• was a member of the heart transplant team

Additional information
• Thirty-five papers published in journals quoted in CC or other quoted publications and more than thirty lectures at international congresses
• Participation in 8 major international multicentric studies in cardiology and rheumatology as a principal or auxiliary researcher
• Editor of the Department of Cardiology and author of two textbooks in the IV edition of Internal Medicine (2008) which is also an official textbook of Internal Medicine for students of the Faculty of Medicine in Zagreb

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: KATARINA, ŠTINGL JANKOVIĆ, ASST. PROF., PHD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: UNIVERSITY HOSPITAL CENTRE ZAGREB

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: ULOGA IMUNOGENETIKE U TRANSPLANTACIJI (ROLE OF IMMUNOGENETICS IN TRANSPLANTATION)

BIOGRAPHY

Katarina Štingl Janković was born on July 21st, 1977. in Sisak. She graduated at the Faculty of Sciences, University of Zagreb (Biology Department, course: Molecular Biology) in 2000. She gained her PhD degree in 2009 (Doctoral Study in Biomedicine and Health Sciences, School of Medicine, University of Zagreb). In the period 2001-2010 she worked as a scientific researcher of the School of Medicine in Zagreb at scientific projects „Immunomolecular studies of the histocompatibility complex HLA“ (no: 0108123, leader: Prof. Andrija Kaštelan) and „Studies of microsatellites within the Major Histocompatibility Complex region“ (no: 214-0000000-3354, leader: Prof. Zorana Grubić). Since 2009 she participates in conducting the course “Transplantation immunology” (Faculty of Sciences, University of Zagreb). She is the author at 47 scientific articles out of which 35 have been indexed in CC.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

2. Grubic Z., Burek Kamenaric M., Maskalan M., Stingl Jankovic K., Zunec R. Nonfrequent but well-documented, rare and very rare HLA alleles observed in the Croatian population. Tissue Antigens 2014, 84(6), 560-564.


“Immunomolecular studies of the histocompatibility complex HLA” (No: 0108123)
“Studies of microsatellites within the Major Histocompatibility Complex region “ (No: 214-0000000-3354)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: assistant professor Tajana Štoos Veić

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Pathology and Cytology, University Hospital Dubrava, Department of Anatomic and Forensic Pathology, Medical Faculty, University of Osijek

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Molecular hematology, Advanced ultrasonography in gastroenterology and hepatology

BIOGRAPHY

Graduated from University of Zagreb School of Medicine in 1988. Board certificate in Clinical Cytology 1995. Head of Cytology, Department of Pathology and Cytology, University Hospital Dubrava. PhD thesis defended University of Zagreb School of Medicine in 2011. Assistant professor Medical Faculty, University of Osijek. Published 36 articles in scientific journals (29 in CC), 60 congress summaries, several book chapters, 15 invited lectures and several workshops in the field of pancreato-biliary cytology. Teaches at postgraduate courses at University of Zagreb School of Medicine. Member of International Academy of Cytology, European Association of Hematopathology, Croatian Society of Gastroenterology and board member of Croatian Society of Clinical Cytology.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: June 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


• Lucijanić M, Livun A, Tupek KM, Štoos-Veic T, Aralica G, Gecek I, Pejsa V, Kušec R. Heat shock protein 27 (HSP27/HSPB1) expression is increased in patients with primary and secondary myelofibrosis and may be affecting their survival, Leukemia & Lymphoma 2017. dx.doi.org/10.1080/10428194.2017.1296146


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2002-2006 Scientific Research Project No. 0198007 of the Ministry of Science and Technology: “Significance of sentinel lymph node biopsy in melanoma and breast cancer”

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Alan Šućur, MD, PhD postdoc

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected topics in transplantatio immunology, Immunocytokines

BIOGRAPHY


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 1 FEB 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Croatian Science Foundation: “Notch signaling in osteoclast progenitors induced by rheumatoid arthritis” (project nr. 2414, principal investigator Danka Grcevic), 2018-2022, role: project team member

Croatian Science Foundation: “Molecular mediators of Fas-driven osteoresorption in arthritis (MEFRA)” (project nr. 7406, principal investigator Natasa Kovacic), 2015-2019, role: project team member

Croatian Science Foundation: “Characterization of osteoclast progenitor responses to arthritis (COPERA)” (project nr. 5699, principal investigator Danka Grcevic), 2014-2017, role: project team member

University of Zagreb: Role of Notch signaling in osteoclast activation in arthritis, (project nr. BM037, principal investigator Danka Grcevic), 2018-2019, role: project team member

University of Zagreb: Role of the proinflammatory molecule pentraxin 3 in the regulation of bone metabolism, (project nr. BM041, principal investigator Danka Grcevic), 2015-2018, role: project team member

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Croatian Science Foundation: “Notch signaling in osteoclast progenitors induced by rheumatoid arthritis” (project nr. 2414, principal investigator Danka Grcevic), 2018-2022, role: project team member

Croatian Science Foundation: “Molecular mediators of Fas-driven osteoresorption in arthritis (MEFRA)” (project nr. 7406, principal investigator Natasa Kovacic), 2015-2019, role: project team member

Croatian Science Foundation: “Characterization of osteoclast progenitor responses to arthritis (COPERA)” (project nr. 5699, principal investigator Danka Grcevic), 2014-2017, role: project team member

University of Zagreb: Role of Notch signaling in osteoclast activation in arthritis, (project nr. BM037, principal investigator Danka Grcevic), 2018-2019, role: project team member

University of Zagreb: Role of the proinflammatory molecule pentraxin 3 in the regulation of bone metabolism, (project nr. BM041, principal investigator Danka Grcevic), 2015-2018, role: project team member

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

-
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Associate Professor Goran Tešović, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital for Infectious Diseases, Chair for Infectious Diseases

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Selected chapters in epileptology in developmental age

BIOGRAPHY
Surname(s) / First name(s)   Goran Tešović
Address(es)               Ul. Pavla Šubića 21, 10 000 Zagreb, CROATIA; University Hospital for Infectious Diseases, Mirogojska cesta 8, 10 000 Zagreb, CROATIA;
Telephone(s)           ++385(91) 40 12 605; ++385(1)28 26 156;
Fax(es)                  ++385(1)28 26 158;
E-mail(s), Web address(s)   gtesovic@bfm.hr
Nationality(-ies)         Croatian
Date of birth           April, 11th 1965
Identification number from Records of Scientific Workers     185924

WORK EXPERIENCE
• Dates (from – to)         1990 - 1991
Name and address of employer University Hospital Center, Zagreb, Croatia
Type of business or sector     Medicine
Occupation or position held    Physician - intern
Main activities and responsibilities    Physician - intern

WORK EXPERIENCE
• Dates (from – to)         1991 - 1993
Name and address of employer University Hospital for Infectious Diseases, Zagreb, Croatia
Type of business or sector     Medicine (Infectious Diseases)
Occupation or position held    Junior researcher
Main activities and responsibilities    Junior researcher

WORK EXPERIENCE
• Dates (from – to)         1993 - 1998
Name and address of employer University Hospital for Infectious Diseases, Zagreb, Croatia
Type of business or sector     Medicine (Infectious Diseases)
Occupation or position held    Physician - intern
Main activities and responsibilities    Physician on internship of infectology

WORK EXPERIENCE
University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences”

• Dates (from – to) 1998 - 2005
Name and address of employer University Hospital for Infectious Diseases, Zagreb, Croatia
Type of business or sector Medicine (Infectious Diseases)
Occupation or position held Specialist in infectious diseases
Main activities and responsibilities Physician at Division for Pediatric Infectious Diseases

WORK EXPERIENCE
• Dates (from – to) January, 16th 2006 - today
Name and address of employer University Hospital for Infectious Diseases, Zagreb, Croatia
Type of business or sector Medicine (Infectious Diseases)
Occupation or position held Specialist in infectious diseases/Specialist in pediatric infectious diseases (since 2013)
Main activities and responsibilities Head of Division for Pediatric Infectious Diseases

WORK EXPERIENCE
• Dates (from – to) 1998 - 2008
Name and address of employer University of Zagreb School of Medicine
Type of business or sector Medicine (Infectious Diseases)
Occupation or position held lecturer
Main activities and responsibilities lecturer

WORK EXPERIENCE
• Dates (from – to) 2008 - 2013
Name and address of employer University of Zagreb School of Medicine
Type of business or sector Medicine (Infectious Diseases)
Occupation or position held Assistant Professor
Main activities and responsibilities Organizing and performing lectures for medical students (Clinical Infectious Diseases);
Organizing and performing lectures for interns in infectology and pediatrics (Pediatric Infectious Diseases)

WORK EXPERIENCE
• Dates (from – to) 20013 - today
Name and address of employer University of Zagreb School of Medicine
Type of business or sector Medicine (Infectious Diseases)
Occupation or position held Associate Professor
Main activities and responsibilities Organizing and performing lectures for medical students (Clinical Infectious Diseases);
Organizing and performing lectures for interns in infectology and pediatrics (Pediatric Infectious Diseases)

EDUCATION
Date 1984 - 1989
University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“

Place of education Zagreb
Name and type of organisation providing education University of Zagreb School of Medicine
Title or qualification awarded M. D.
EDUCATION
Date 2004

Place of education Zagreb
Name and type of organisation providing education University of Zagreb School of Medicine
Title or qualification awarded MSc
EDUCATION
Date 2006

Place of education Zagreb
Name and type of organisation providing education University of Zagreb School of Medicine
Title or qualification awarded PhD
TRAINING
Year 1997 - 1998
Place of training Zagreb
Name and type of organisation providing training University of Zagreb School of Medicine, University Hospital Center, Zagreb, Croatia
Principal subjects/Occupational skills covered Clinical pediatrics
TRAINING
Year 1998
Place of training Rome, Italy
Name and type of organisation providing training IRCCS «Lazaro Spallanzani»
Principal subjects/Occupational skills covered epidemiology, diagnostics, therapy and prevention of HIV-infection/disease

PERSONAL SKILLS AND COMPETENCIES
Mother tongue(s) croatian
Other language(s)
Language English, italian
Speaking English, italian
Writing English, italian
Understanding (listening and reading) English, italian

SOCIAL SKILLS AND COMPETENCIES Member of:
European Society for Pediatric Infectious Diseases, European Society for Clinical Microbiology and Infectious Diseases; Croatian Medical Association, Croatian Medical Chamber, Croatian Society for Infectious Diseases, Croatian Society for Intensive Medicine
ORGANISATIONAL SKILLS AND COMPETENCIES  Leading the lectures for medical students and interns in pediatrics and infectious diseases

Head of department in a university hospital

ADDITIONAL INFORMATION  Scientific projects – principal investigator:


2012 – 2016: The burden of acute rotavirus gastroenteritis in Croatian children” (GSK Bio)

2018 – onward: The Croatian pneumococcal carriage study (Pfizer Scientific Foundation)

Number of published articles: 75 (Scopus); 52 (Web of Science, WoS); 39 (Pubmed/Medline); 33 (Current Contents); H-index 12 (Scopus); 10 (WoS); Number of citations: 378 (Scopus); 281 (WoS).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Genomic and molecular epidemiology of human paramyxoviruses in Croatia (principal investigator: Dubravko Forčić, PhD)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

„The role of chemokynes CXCL 10 i CXCL 11 in entroviral aseptic meningitis pathogenesis“ – candidate Anamarija Čavčić, mD, PhD thesis defended on September 25th, 2015

„The role of chemokynes CXCL10, CXCL11 i CXCL13 in aseptic meningitis, neuroborreliosis and acute disseminated encephalomyelitis in children“ – candidate Lorna Stemberger Marić, MD, PhD thesis defended on March 24th, 2017
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist.Prof. Stanko Težak

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Medical Image Analysis

BIOGRAPHY

2005 – 2017 Head Division of scintigraphy, Department of nuclear medicine and radiation protection, Clinical Medical Centre Zagreb

2015. Assoc Prof. School of Medicine University of Zagreb

2005. PhD degree in medical sciences at School of medicine, University of Zagreb Dissertations title: Regional myocardial perfusion in patients with coronary artery disease before and after revascularisation

1982. Specialist in nuclear medicine

1979. Postgraduate programme”Nuclear medicine, School of medicine, University of Zagreb

1976 Medical doctor, School of Medicine University of Zagreb


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


2. Klepzig, H. jr; Standke, R; Baum, R, P; Težak, Stanko; Mildenberger, D; Maul, F, D; Hör, G; Kaltenbach M. Vergleich von Belastungs-EKG und Radionuklid-Ventrikulographie bezüglich des Nachweises einer Myokardischämie bei isolirten Stenosen des Ramus interventricularis anterior.. Nuklearmedizin. 27 (1988) ; 57-62

3. Dodig, Damir; Popović, Slavko; Poropat, Mirjana; Težak, Stanko; Šimonović, Ivan. Detection of diffuse skeletal lesions by monitoring the kinetics of labeled phosphonate. // Nuklearmedizin. 33 (1994) ; 30-32

4. Poropat, Mirjana; Batinić, Danica; Bašić, Mario; Nižić, Lj.; Dodig, Damir; Milošević, D.; Votava, Ana; Težak, Stanko; Vrljičak, K.; Huić, Dražen; Medvedec, Mario. Tc-99m DTPA renal scyntigraphy using deconvolution analysis with six function images of the mean time to evaluate acute pyelonephritis. // Clinical nuclear medicine. 24 (1999) , 2; 120-124

5. Malčić, Ivan; Senečić, Irena; Težak, Stanko; Ivančević, Darko; Kniewald, Hrvoje. Radioangioscintigraphy and doppler echocardiography in the quantification of left-to-right shunt. Pediatric cardiology. 21 (2000) , 3; 240-243

6. Garkavij, M; Samaržija, Miroslav; Ewers, S, B; Jakopović, Marko; Težak, Stanko, Tennvall, J. 1. Garkavij, M; Samaržija, Miroslav; Ewers, S, B; Jakopović, Marko; Težak, Stanko, Tennvall, J. Concurrent radiotherapy and tumor targeting with 111In-HMFG1-F(ab')2 in patients with MUC1-positive non-small cell lung cancer. Anticancer research. 25 (2005), 6C; 4663-4671


15,”Regional myocardial perfusion in patients with coronary artery disease before and after revascularisation” Dissertation 2005. School of medicine, University of Zagreb

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


2. Malčić, Ivan; Kniewald, Hrvoje; Buljević, Bruno; Ferek-Petrić, Božidar; Boban, Marko; Hrabak Paar, Maja; Težak, Stanko; Strozzi, Maja; Dibler, Daniel Medicinski aspekti. // Prirođene srčane greške od dječje do odrasle dobi – smjernice za liječenje odralih s prirođenim srčanim greškama (OPSG) / Malčić, Ivan ; Šmalčelj, Anton ; Anić, Darko ; Planinc, Daniel (ur.). Zagreb: Medicinska naklada, 2017. str. 23-111

3. Kralik, Ivana; Štefanić, Mario; Brkić, Hrvoje; Šarić, Gordan; Težak, Stanko; Grbac Ivanković, Svjetlana; Girotto, Neva; Štimac, Damir; Rubin, Otmar; Ivanišević, Zrinka et al. Estimated collective effective dose to the population from nuclear medicine diagnostic procedures in Croatia: A comparison of 2010 and 2015. // PLoS One, 12 (2017), 6; e0180057-e0180057 doi:10.1371/journal.pone.0180057 (međunarodna recenzija, članak, znanstveni)


5. Anić, Branimir; Padjen, Ivan; Barešić, Marko; Težak, Stanko The lobster sign in SAPHO syndrome : unusually extensive osteitis of the anterior chest wall partially responsive to infliximab. // Rheumatology international, 34 (2014), 2; 281-282 doi:10.1007/s00296-012-2606-y (podatak o recenziji nije dostupan, pismo uredniku, stručni)

6. Težak, Stanko; Trogrlić, Mate; Žuvić, Marijan; Belev, Boris The Value of 99mTc EDDA/HYNIC-TOC SPECT/CT in the Assessment of Patients with Metastatic Neuroendocrine Tumors of Unknown Primary. // 8th International Congress of the Croatian Society of Nuclear Medicine with 10th Alpe Adria Nuclear medicine Symposium Šibenik, 2014. (predavanje, međunarodna recenzija, sažetak, ostalo)
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

0

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

0

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1. Somatostatin receptor scintigraphy in neuroendocrine tumour patients using Technetium-99m octreotide. Dissertation defence, November 28, 2017. School of Medicine, University of Zagreb
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Vladimir Trkulja, MD, PhD, Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Zagreb University School of Medicine, Dept. Pharmacology

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, Methodology and Functioning of scientific research 2 - co-coordinator; Structure, Methodology and Functioning of scientific research 1; Selected chapters in epileptology in developmental age; Medical Statistics 2.1: Statistical tools for medical data analysis in planned experimental study design; Medical Statistics 2.2: Statistical tools for medical data analysis in quasi-experimental study design; Proteomics in biomedical research

BIOGRAPHY

Education:
1988 – MD (Zagreb University School of Medicine)
1995 – MSc (biomedicine) (Faculty of Science, Zagreb University)
1997 – PhD (pharmacology) (Zagreb University School of Medicine)

Employments:
1994– Department of Pharmacology, School of Medicine
1991-1994 (May – Croatian Army
1990-1991 – GP
1989-1990 – Intern

Current teaching : undergraduate medical students - Pharmacology, Essentials of evidence based medicine (Medical studies in English); electives (Croatian studies): "Važno je naći valjan dokaz"; "Kako napisati diplomski rad"; PhD program "Biomedicine and healthcare: Structure 1, Selected topics in pediatric epileptology (lecturer); Structure 2 (co-chair); Specialistic postgraduate studies in Clinical pharmacology and toxicology (coordinator of 2 courses); Specialistic postgraduate studies in dermatology (lecturer); Specialistic postgraduate studies in drug development (Faculty of Pharmacy and Biochemistry) (coordinator of 1 course).

I have published 88 papers in index biomedical journals (around 900 citations). Co-editor of the Croatian editions of "Basic and clinical pharmacology" (Official textbooks in Pharmacology at Medical Schools in Croatia). I have published 8 chapters in different books. Between 2015 and 2017 - editor for systematic reviews and meta-analyses at Croatian Medical Journal. Member of the Editorial board of Advances In Therapy and Drug, Healthcare and Patient Safety. Peer-reviewer for some 30 biomedical journals. .


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


38. Milutinović S, Trkulja V. Reduced responsiveness to epoetin at re-exposure after prolonged epoetin-free period in anemic hemodialysis patients with end-stage renal disease. CMJ 2006;47:424-432.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


by the MPA formulation: analysis based on therapeutic drug monitoring. Ther Drug Monit 2014; 36:456-464.


ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Diana Trnski, Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Methods in molecular oncology

BIOGRAPHY

I was born in 1985 in Rijeka, Croatia. I obtained my Diploma in molecular biology in 2008 at the Faculty of Science, University of Zagreb, Croatia. In 2015 I obtained my PhD degree in biomedicine and health at the Doctoral Study of Molecular Biosciences at J. J. Strossmayer University of Osijek, Croatia. I am an employee of the Division of Molecular Medicine at the Ruđer Bošković Institute since 2009, where I was an assistant/PhD student until 2015 and since then I am a senior assistant/postdoc in the Laboratory for Hereditary Cancer. I was a visiting scientist in the Group for Experimental Tumor Pathology at the University Hospital Erlangen, Germany. I participate in several postgraduate courses. I am a member of the Croatian and European Association for Cancer Research as well as the Croatian Association for Biochemistry and Molecular Biology. My main research topic is the Hedgehog-GLI signaling pathway and mechanisms of its activation in different cancer types. Methodologically, my main focus is on in vitro research, but most recently I also started in vivo analyses of tumor cell growth, invasion and metastasis using the chick chorioallantoic membrane assay.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 16/05/2018

Research Associate

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

• from 01/2019 – associate on the Croatian Science Foundation research project “GLIcode - Differential regulation of the GLI code in BRAF/NRAS driven tumors” / PI Maja Sabol

• 2018 – principal investigator (together with Maja Sabol) on research project “How to kill a prostate cancer cell?” (dm-drogerie markt Ltd donation)

• from 05/2017 – associate on the Croatian Science Foundation research project “MIRnaGLI - Novel molecular mechanisms for new therapeutic approaches: Interactions of microRNAs and Hedgehog-GLI signaling pathway in serous ovarian carcinoma”; [HRZZ IP-2016-06-1268] / PI Sonja Levanat

• from 2017 – associate on research project “Interaction of HH-GLI signaling pathway and androgen receptor in prostate cancer” (dm-Drogerie Markt donation) / PI Sonja Levanat

• 2017/18 – associate on research project “Discovery of new biomarkers for melanoma development” (the City of Zagreb donation) / PI Sonja Levanat

• 2016/17 – associate on research project “Apoptotic pathways and role of BIRC5 (survivin) in breast cancer development” (the Terry Fox Foundation donation) / PI Sonja Levanat

• 2015 – associate on research project “InnoMol - New molecular solutions in research and development for innovative drugs”, FP7-Regpot, PI Oliver Vugrek


• 2012 – associate on research project “Role of survivin as a predictive and prognostic marker in breast cancer” (the Terry Fox Foundation donation) / PI Sonja Levanat

• 2009 – associate on research project “Genetic testing of inherited predisposition to breast and ovarian cancer” (the Terry Fox Foundation donation) / PI Sonja Levanat


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

• from 01/2019 – associate on the Croatian Science Foundation research project “GLIcode - Differential regulation of the GLI code in BRAF/NRAS driven tumors” / PI Maja Sabol

• 2018 – principal investigator (together with Maja Sabol) on research project “How to kill a prostate cancer cell?” (dm-drogerie markt Ltd donation)
• from 05/2017 – associate on the Croatian Science Foundation research project “MIRnaGLI - Novel molecular mechanisms for new therapeutic approaches: Interactions of microRNAs and Hedgehog-GLI signaling pathway in serous ovarian carcinoma”; [HRZZ IP-2016-06-1268] / PI Sonja Levanat

• from 2017 – associate on research project “Interaction of HH-GLI signaling pathway and androgen receptor in prostate cancer” (dm-Drogerie Markt donation) / PI Sonja Levanat

• 2017/18 – associate on research project “Discovery of new biomarkers for melanoma development” (the City of Zagreb donation) / PI Sonja Levanat

• 2016/17 – associate on research project “Apoptotic pathways and role of BIRC5 (survivin) in breast cancer development” (the Terry Fox Foundation donation) / PI Sonja Levanat

• 2015 – associate on research project “InnoMol - New molecular solutions in research and development for innovative drugs”, FP7-Regpot, PI Oliver Vugrek


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: MSc Gordana Turkalj

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: State Intellectual Property Office of Republic Croatia (SIPO)

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, methodology and functioning of scientific work 2

BIOGRAPHY

1992 Graduated at Faculty of Chemical Engineering and Technology, University of Zagreb.

In 2003 gained MSc at Faculty of Science and Mathematics, University of Zagreb, field: chemistry, sub-field: organic chemistry.


In 1992 employed by Pliva d.d., Research institute as a scientist and in 2002 moved to Pliva d.d. Intellectual Property Department and started to work as a patent associate. From 2006 employed by GlaxoSmithKline istraživački centar Zagreb d.o.o., Coroprate IP, and in 2009 promoted to patent mamanger position. In 2010 employed by Galapagos istraživački centar d.o.o. and in 2012 promoted to Senior Patent Counsel position. In 2013 co-founded Callidea d.o.o. providing advice and repesentation in the field of intellectual property. From 01.02.2017. employed by State Intellectual Property Office of Republic Croatia (SIPO) where as patent examiner for field of chemistry and biotechnology works in Chemistry and chemical technology Department as higher advisor.


Until started to work in SIPO she was member of of the Institute of Professional Representatives before the European Patent Office (epi), where she was Republic Croatia representative in the European Patent Practice Committee, and Croatian chambers of patent and trademark attorneys, where she was member of the Senat, and before that member of Disciplinary Court.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Oliver Vasilj, PhD MD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Clinical Hospital Sveti Duh, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Reprodukcija i radno mjesto

BIOGRAPHY

I was born in Mostar, Bosnia and Herzegovina in 1977. **Education:** School of Medicine, University of Zagreb, 2003; Specialist in Gynaecology and Obstetrics of 2011. In 2018 I passed my subspeciality in Fetal maternal medicine. **Work experience:** 2004-2007 Research Assistant School of Medicine in Zagreb, University Hospital, Sveti Duh, resident from 2006 to 2011 University Hospital, Sveti Duh. Since 2011 I am working as a specialist of OBGYN. **Research activities:** Doctorate of Science in 2014, research associate 2015. I worked as a scientific collaborator on research projects: Diagnosis and treatment of late miscarriage and premature birth, New algorithm for the prevention of neurological disorders and impairments in children with intrauterine growth restriction, Health survey of school children and young people, Croatian Health Survey 2003. Lecturer in elective course for undergraduate students, Pregnancy why we call the other condition, lecturer at the postgraduate course of Continuing Medical Education "Ultrasound in obstetrics and gynecology", School of Medicine, University of Zagreb. So far I have published 26 scientific articles, 15 of which are cited in Current Contents. Author or coauthor of 5 book chapters. Up to date the papers have been cited a total of 182 times. Main research interests: study of fetal behavior using four ultrasound in various pathological conditions during pregnancy.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

Since 2015, I am working as a higher assistant at Medical School of Zagreb, Clinic for OBGYN.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Research of fetal behaviour in cooperation with Japanese colleagues which resulted in publication of a scientific paper.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2016. member of international expert group form Invasive Placenta Previa. Conclusions of the expert group were published in:


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Donatella, Verbanac, Associate Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb Faculty of Pharmacy and Biochemistry

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, methodology and functioning of Scientific work

BIOGRAPHY

Donatella Verbanac completed undergraduate studies in 1984 at the Faculty of Pharmacy and Biochemistry, University of Zagreb. She obtained MSc degree in 1990 at the Faculty of Science University of Zagreb. In 1993 she obtained doctoral degree with the work completed at the University of Trieste. In 1996 she completed postdoctoral specialization at the Immunology & Ageing Department of INRCA, Ancona, Italy. After completing her internship in 1985 at the Clinics for Infection Diseases Zagreb, she got young assistant position at the School of Medicine in Rijeka. She joined PLIVA Research Institute in 1998 at the time when she held assistant professor position. She started her work at PLIVA Research Institute as Laboratory Coordinator and Project Manager of a joint research project with US-based Biotech Company and afterward Head of Screening Unit. From 2006, after GlaxoSmithKline’s acquisition of PLIVA Research Institute, she was responsible for establishing the Screening Unit and Compound Library, managing projects in anti-infective and anti-inflammatory area as Project Manager. She received PLIVA and GSK awards for the achievements in Drug Discovery and Development. From 2009 – until Sept 2018 she worked at the School of Medicine University of Zagreb as Assistant Professor. Currently she is Associate Professor at the University of Zagreb Faculty of Pharmacy and biochemistry. She participates in European and national funded scientific projects, as well as in education activities for the graduate and post-graduate students. She is a member of Council for the University of Zagreb’s Postgraduate Specialist Study Intellectual Property, where she actively participates as a teacher. She has published more than 50 scientific and professional papers. Co-inventor is on one patent, co-author of several chapters in the books, author of three professional books on nutrition and one textbook. She acts as a reviewer, monitor and vice-chair for the projects funded within different European Commission, international and national calls for proposals. She is a member of the Croatian Council for GMOs and involved in EC&JRC working group on Nutritional Challenges. She is member of Croatian Chemical Society, Croatian Biochemical and Molecular Biology Society, Croatian Pharmacological Society, European Society for Clinical Nutrition and Metabolism and British Biochemical Society.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: July, 2nd 2018

Associate Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“


Book chapters:


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


4. Maračić, Silvija; Gavzovda Kraljević, Tatjana; Ćipčić Paljetak, Hana; Perić, Mihaela; Matijašić, Mario; Verbanac, Donatella; Cetina, Mario; Raić-Malić Silvana. 1, 2, 3-Triazole pharmacophore-based benzofused nitrogen/sulfur heterocycles with potential anti-Moraxella catarrhalis activity. / Bioorganic & medicinal chemistry. 23 (2015) ; 7448-7463. (IF=2,923)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

INDUSTRIAL PROJECTS- PLIVA RESEARCH INSTITUTE / GSK ZAGREB RESEARCH CENTER 1998-2008

Position: Project Manager

2007-2008 New anti-inflammatory macrolides
2007-2008 New macrolides for malaria
2005-2008 New class of antibiotics
Position: Project Head

2004-2005 Platform for the Establishment of New Drug Discovery Programs

1998-2001 Thrombopoietin Receptor Activating Peptide

Position: Member of the Project Team

1998-2000 Tyrosine phosphorylation

At the UniZg School of Medicine

1. Hrvatska zaklada za znanost/Croatian Science Foundation – HRZZ - Project for the development of young researchers’ career - training which includes the PhD program and PhD defence - (2015-2019) – Project Head

2. Horizon 2020 Prof. S. Vukičević Coordinator „OSTEOproSPINE“ - (2018-2022)- Team member

3. IPA project "Building Innovation Support through More Effectively Connected Collaboration ", Acronym BISTEC, University of Zagreb (2013-2015) - Coordinator from MEF/Institution Representative

4. FP-7 project Prof S. Vukičević Coordinator "OSTEOGROW" (2011-2016) -Team member

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. Hrvatska zaklada za znanost/Croatian Science Foundation – HRZZ - ”Assessment of Microbiota, Inflammatory Markers, Nutritional and Endocrinological Status in IBD Patients – Acronym - MINUTE for IBD”- (2014-2018) - Project Head

2. Hrvatska zaklada za znanost/Croatian Science Foundation – HRZZ -Project for the development of young researchers’ career - training which includes the PhD program and PhD defence - (2015-2019) – Project Head

3. Horizon 2020 Prof. S. Vukičević Coordinator „OSTEOproSPINE“ - (2018-2022)- Team member

4. EU regional fund „Croatian Scientific center of Excellence for Reproductive and Regenerative Medicine“ Prof. S. Vukičević i Prof. D. Ježek Coordinators (2015 – 2019) -Team member

7. IPA project "Building Innovation Support through More Effectively Connected Collaboration ", Acronym BISTEC, University of Zagreb (2013-2015) - Coordinator from MEF/Institution Representative

8. FP-7 project, Prof S. Vukičević Coordinator "OSTEOGROW" (2011-2016) -Team member

9. Hrvatska zaklada za znanost/Croatian Science Foundation – HRZZ, Prof. S. Vukičević Coordinator- ”BONE6-BIS” - (2012-2014) - Project Manager

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2010. - Hana Čipčić-Paljetak: New class of antibiotics: 4 " - ester macrolide derivatives with quinolone subunit; University of Zagreb Faculty of Natural Sciences

2011. - Mario Matijašić: Monitoring the distribution of azithromycin in cells and tissues using fluorescently labeled macrolides; University of Zagreb Faculty of Natural Sciences;

2018. - Marina Panek: Determination of intestinal microbial and inflammatory markers in patients with inflammatory bowel disease; University of Zagreb Medical School;
ORDINAL NUMBER:


NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, methodology and functioning of Scientific work 2

BIOGRAPHY

Smiljka Vikić-Topić, M. Sc. is head of the Research and Technology Transfer Office, University of Zagreb, School of Medicine (UZSM) since 2009. She is participating in project proposals writing, preparation of the budget plans, project management and reporting, as well as helping in tech transfer activities from invention recognition to the protection and commercialization and collaborations with industry.

S. Vikić-Topić obtained Chemical Engineering degree and Master’s degree in Molecular Biology from the Faculty of Science, University of Zagreb. She worked at the Department of Biochemistry, Faculty of Science, University of Zagreb and spent over 3 years in the USA working in molecular biology labs: Bowman Gray School of Medicine, 1984; National Institutes of Health, 1991-93; Mayo Clinic and Foundation, 1993-94). Her 13 years’ experience in pharmaceutical industry (PLIVA Research Institute, later became GlaxoSmithKline Research Centre Zagreb) includes work at research labs as well as at managerial positions in contract research and as head of laboratory. During the work at industry she gained a lot of experience in the field of intellectual property rights protection, legal aspects of collaborations, teamwork, negotiation skills, finances, leadership and Project Management. She is co-author at six scientific, three professional papers and one book chapter.

S. Vikić-Topić participates at the doctoral studies at UZSM teaching about technology transfer and project proposal writing. In addition, she holds various courses on collaboration with industry, technology transfer process, IP rights and documentation.

S. Vikić-Topić spent 5 weeks in 2011 as a trainee at NIH Office of Technology Transfer and 5 weeks in 2014 at Edinburgh Bioquarter through ENTENTE project professional exchange. Through these collaborations and as a member of ASTP-Proton, association of technology transfer professionals, she has a network of colleagues offering help and support for TT processes at UZSM. S. Vikić-Topić actively participates in several projects where she is involved in technology transfer activities and IP protection. She enrolled in PhD studies at the University of Zagreb School of Medicine in 2016.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


FP7 - GLOWBRAIN, ): „Combining Stem Cells and Biomaterials for Brain Repair - Unlocking the Potential of the Existing Brain Research through Innovative In Vivo Molecular Imaging, 1.10.2012 – 31.3.2016., funding 3.5 mil EUR


HAMAG BICRO Support for Technology Transfer Offices: Test prostornog snalaženja za rano otkrivanje Alzheimerove bolesti (SPOT-ALZ), funded through University of Zagreb (6/2016 - 11/2017)

HAMAG BICRO Support for Technology Transfer Offices: Genomski testovi za dijagnostiku neurorazvojnih bolesti, osnivanje spin-out tvrtke (GENOMA-TEH), funded through University of Zagreb (6/2016 - 11/2017)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Adriana Vince, MD, PhD, Full professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Viral Hepatitis

BIOGRAPHY

Full Professor, School of Medicine, University of Zagreb, specialist in infectious diseases. Born in 1958, graduated from the School of Medicine University of Zagreb in 1982, obtained MSc degree in 1991, and PhD in 1999. Employed at the School of Medicine, University of Zagreb and the University Hospital for Infectious Diseases "Dr. Fran Mihaljevic " in Zagreb (head of Department for Gastrointestinal Infections / Division of Viral Hepatitis), was holding the position of Hospital Director 2013-2016. Also Head of molecular laboratory from 1994-2005. Author of Croatian guidelines for the treatment of viral hepatitis from 2013-2018. Principal researcher in numerous scientific research projects, mentor to residents and doctoral students, has published more than 100 scientific and professional papers indexed in the Current Contents and web of science PubMed and Scopus databases, with more than 1400 citations. Head of the Croatian National Reference Center for Diagnosis and Treatment of Viral Hepatitis of the Ministry of Health. Member of the Ministry of Health National Committee for specialist training of medical doctors. Secretary general of the Croatian Medical Association. Member of the Drug Committee of Croatian Health Insurance Fund. Member of international societies UEMS-ID, EASL, ESCMID. Areas of scientific interest: viral hepatitis, treatment and clinical research of infectious diseases, molecular diagnostics of infectious diseases, infections in the immunocompromised hosts, human papillomaviruses, etc.

Tel. 091 4012 603; e-mail. avince@bfm.hr

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

10.12.2013

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


6. Colagrossi L, Hermans LE, Salpini R, Di Carlo, D; Pas, SD, Alvarez M...Vince A..et al. Immune-escape mutations and stop-codons in HBsAg develop in a large proportion of patients with chronic HBV infection exposed to anti-HBV drugs in Europe. BMC Infectious Diseases 2018; BMC Infectious Diseases 2018:251


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2002-2006 "Molecular diagnostics of Epstein-Barr and Cytomegalovirus infection, MZOŠ Croatian Ministry of Science, šifra projekta 0143001

2007-2013 "Immunopathogenesis of hepatitis B i C", Croatian Ministry of Science, šifra 143-000000-0117

2014- "Infectomics Study of Human Liver Non-parenchymal Cells in chronic hepatitis C, HRZZ, šifra projekta 4241

2015- Partner u znanstvenom Centru izvrsnosti za Virusnu imunologiju i Cjepiva, CerVirVac, voditelj radnog paketa 6, "Regulatori stečene imunosti u odgovoru na HCV infekciju"

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2017-2022 “Strengthening the capacity of CerVirVac for research in virus immunology and vaccinology”, KK.01.1.1.01.0006, awarded to Scientific Centre of Excellence for Virus Immunology and Vaccines and co-financed by the European Regional Development Fund, Project Lead for the WP6 "Regulators of cellular immunity n hepatitis C"

2014-2019 "Infectomics study of human liver non-parenchymal cells in chronic hepatitis C, Croatian Science Fondation, Project lead

(NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE 3


2. Papić Neven: The role of liver sinusoidal endothelial cells in HCV infection. Doktorska disertacija, Medical School, University of Zegreb 2015

ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. Prof. Lucija Virović Jukić, M.D., Ph.D.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine, Sestre milosrdnice University Hospital Center, Department of Internal Medicine, Division of Gastroenterology and Hepatology

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Viral hepatitis

BIOGRAPHY

Personal: born in Zagreb, Croatia, May 14th, 1973

Scientist number: 317943

Education

1991-1997. University of Zagreb School of Medicine
1997-1998. internship
2000-2003. Postgraduate Doctoral Program Biomedicine and Health, University of Zagreb School of Medicine
2004-2010. residency in Internal Medicine
2013-2015. fellowship in Gastroenterology

Titles

June 30, 1997. Medical Doctor (University of Zagreb, School of Medicine)
July 9, 2010. Internal Medicine specialist
March 24, 2011. Scientific Associate
September 25, 2012. Senior Assistant, Department of Internal Medicine
December 8, 2015. Specialist of Gastroenterology
May 2, 2016. Assistant Professor at the Department of Internal Medicine
February 1, 2017. Assistant Professor at the Department of Internal Medicine, University of Zagreb School of Medicine

Work experience

1997-1998. internship, DZ Željezničara, Zagreb
1998-1999. general practice, several clinics in Zagreb and surroundings
2000-2004. research fellow, projects: Hepatitis B Virus X-protein – Carcinogenesis and Gene Therapy and The Role of Hepatitis Viruses in the Development of Liver Carcinoma and Potential Therapy. Department of Gastroenterology and Hepatology, Sestre milosrdnice University Hospital Center, Zagreb
2004–2010. resident in Internal Medicine, Department of Internal Medicine, Sestre milosrdnice University Hospital Center, Zagreb

2010-2015. specialist of Internal Medicine, Department of Internal Medicine, Sestre milosrdnice University Hospital Center, Zagreb

2015- now specialist of Internal Medicine, subspecialist in Gastroenterology, Department of Internal Medicine, Division of Gastroenterology and Hepatology, Sestre milosrdnice University Hospital Center, Zagreb

Teaching experience

University of Zagreb School of Medicine Graduate Program: History Taking and Physical Examination, Internal Medicine, Fundamentals of Medical Skills

University of Zagreb School of Medicine Postgraduate Doctoral Program Biomedicine and Health: Viral Hepatitis, Diseases of the Pancreas

Specialist Postgraduate Program: Internal Medicine, Gastroenterology

Postgraduate Courses: Abdominal Ultrasound

Scientific activity

2000-2002. Hepatitis B Virus X-protein – Carcinogenesis and Gene Therapy – scientific project of Ministry of Science (project number 134008), principal investigator Prof. Marko Duvnjak (research fellow)

2002–2004. The Role of Hepatitis Viruses in the Development of Liver Carcinoma and Potential Therapy – scientific project of Ministry of Science (project number 0134016), principal investigator Prof. Marko Duvnjak (research fellow)


2009-2013. Nonalcoholic fatty liver disease within the metabolic syndrome – scientific project of Ministry of Science (project number 108-1080230-0143), principal investigator Prof. Marko Duvnjak (investigator)

2016-2017. Influence of metabolic syndrome and insulin resistance on colon adenomas, University of Zagreb School of Medicine, principal investigator Prof. Marko Duvnjak

2017-2018. Metabolic syndrome and risk for the development of colon adenomas, University of Zagreb, School of Medicine, principal investigator Prof. Marko Duvnjak

2018-2019. Components of the metabolic syndrome as risk factors for the development of malignant tumors of GI tract, University of Zagreb, School of Medicine, principal investigator Prof. Marko Duvnjak

2018-2019. The impact of the radiofrequency ablation on survival of patients with inoperable cholangiocellular carcinoma - scientific project with the support of the University of Zagreb, School of Dental Medicine, principal investigator Prof. Neven Ljubičić (investigator)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: January 16, 2017. Assistant Professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
2000-2002. Hepatitis B Virus X-protein – Carcinogenesis and Gene Therapy – scientific project of Ministry of Science (project number 134008), principal investigator Prof. Marko Duvnjak (research fellow)

2002–2004. The Role of Hepatitis Viruses in the Development of Liver Carcinoma and Potential Therapy – scientific project of Ministry of Science (project number 0134016), principal investigator Prof. Marko Duvnjak (research fellow)

2000-2004. The Role of Hepatitis Viruses in the Development of Liver Carcinoma and Potential Therapy – scientific project of Ministry of Science (project number 0134016), principal investigator Prof. Marko Duvnjak (research fellow)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2015-2016. Metabolic syndrome and colon adenomas - scientific project with the support of the University of Zagreb, School of Medicine, principal investigator Prof. Marko Duvnjak

2016-2017. Influence of metabolic syndrome and insulin resistance on colon adenomas, University of Zagreb School of Medicine, principal investigator Prof. Marko Duvnjak

2017-2018. Metabolic syndrome and risk for the development of colon adenomas, University of Zagreb, School of Medicine, principal investigator Prof. Marko Duvnjak

2018-2019. Components of the metabolic syndrome as risk factors for the development of malignant GI tumors, University of Zagreb, School of Medicine, principal investigator Prof. Marko Duvnjak

2018-2019. The impact of the radiofrequency ablation on survival of patients with inoperable cholangiocellular carcinoma - scientific project with the support of the University of Zagreb, School of Dental Medicine, principal investigator Prof. Neven Ljubičić (investigator)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Dora Višnjić, MD, PhD, Full Professor of Physiology & Immunology

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research methods in vitro and in vivo, Immunological recognition

BIOGRAPHY

DATE AND PLACE OF BIRTH: 25.5.1965, Osijek

EDUCATION

1984.-1989. School of Medicine University of Zagreb; MD
1992.-1996. School of Medicine University of Zagreb, postgraduate „Immunology“; PhD
1996.-1998. postdoctoral Fogarty fellowship, UCONN Health Center, Department of Genetics and Developmental Biology, Farmington, CT, USA

EMPLOYMENT

2013 – Full Professor of Physiology and Immunology, School of Medicine, University of Zagreb
2008-2013 Associate Professor of Physiology and Immunology, School of Medicine, University of Zagreb
2008. visiting professor, Fred Hutchinson Cancer Research Center, Seattle, USA
2003-2008 Assistant Professor of Physiology and Immunology, School of Medicine, University of Zagreb
2000. visiting scientist, UCONN Health Center, Farmington, CA, USA
1996-2003 Senior Research Assistant (Senior Instructor), Physiology and Immunology, School of Medicine, University of Zagreb
1996-1998 Fogarty fellow, UCONN Health Center, Farmington, CA, USA
1995-1996 Research Assistant (Instructor), Physiology and Immunology, School of Medicine, University of Zagreb
1992-1995 Research Novice, Physiology and Immunology, School of Medicine, University of Zagreb
1990-1991 Intern, Clinical Hospital Zagreb

SCIENTIFIC TRAINING

1.5.2000.-25.7.2000. visiting scientist, UCONN, Farmington, SAD
28.3.2008.-5.5.2008. visiting professor, Fred Hutchinson Cancer Research Center, Seattle, SAD

AWARDS

2012. Award for Scientific Achievements, University of Zagreb School of Medicine
1998. Young Investigator Award of American Society for Bone and Mineral Research and International Bone Society
1996. Fogarty Fellowship Award

TEACHING AND MENTORSHIP

Teaching experience: more than 300 hr per year in obligatory courses Physiology, Immunology and several electives at the Medical School in Zagreb and Medical Studies in English, collaborator at several postgraduate courses of Doctoral Studies Biomedicine and Neuroscience at Medical School in Zagreb.

Mentorship:

B Tomić, MD, PhD student, four PhD thesis (V. Dembitz 2017, H. Lalić 2015, K. Matković 2010, V. Lukinović-Škudar 2005), four student Rector awards

RESEARCH INTERESTS

signaling mechanisms in the regulation of differentiation and cell cycle, hematopoiesis

MAJOR SCIENTIFIC ACHIEVEMENTS

- PI of several projects awarded by the Croatian science foundation, University of Zagreb, MZOS and NIH, Croatian coordinator of the bilateral project between Croatia and Italy, collaborator on UKF project and other national and international scientific projects

- head of Laboratory for Cell Biology, Croatian Institute for Brain Research, School of Medicine, University of Zagreb

NUMBER OF PUBLICATIONS/ CITATIONS: 30 (CC23)/ CITATIONS 953

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 10th December 2013.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Principal investigator:

2017-. HRZZ IP-06-2016-4581 Signalling mechanisms and metabolic changes in differentiation of acute myeloid leukemia cells

2015. University of Zagreb project: „The role of Vps34 in metformin-mediated effects on leukemia cell lines“ 2015

2014. University of Zagreb project: „The role of phosphatidylyl -3-kinases in differentiation of leukemia cell lines“ 2014


2009-2010: Inositol-dependent signal transduction: molecular targets for novel therapies in acute myeloid leukemia. Significant bilateral projects (“progetti di grande rilevanza”) within the III Executive programme of scientific and technological co-operation between Croatia and Italy. (co-investigator: V. Bertagnolo)

2007-2013. The role of PLC and Akt in the cell cycle and differentiation. MZOS 1081347-1448;
2002-2007. The role of protein kinase B/Akt in differentiation of HL-60 leukemia cells, MZOS 0108-281;
1996. Analysis of osteoblast progression lineage by use of transgenes. National Institute of Health, USA, 1F05TW005309-01;

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
2017-. HRZZ IP-06-2016-4581 Signalling mechanisms and metabolic changes in differentiation of acute myeloid leukemia cells
2015. University of Zagreb project: „The role of Vps34 in metformin-mediated effects on leukemia cell lines” 2015
2014. University of Zagreb project: „The role of phosphatidylinositol-3-kinases in differentiation of leukemia cell lines“ 2014

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
4
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: STJEPAN VIŠNJJIĆ, Assistant Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Children's Hospital Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: ENDSKOPY IN PAEDIATRIC SURGERY

BIOGRAPHY

Phone number: 01 7779533
Cell phone number: 098 500442
e-mail address: stjepan.visnjic@gmail.com
Date of birth:
12.01.1963. Training:
Faculty: Faculty of Medicine, University of Zagreb 1982-1988. Diploma: Faculty of Medicine, University of Zagreb, 1988. Preparatory Exercise: Clinic for Traumatology Zagreb 1988-1989.
State exam: Ministry of Health of the Republic of Croatia 1999
Specialization: Children's Surgery 1995-1999. CSHR
Special Exam: Ministry of Health of the Republic of Croatia 1999
MEF: Biomedicine and Health 2003
Doctorate; Medical Faculty of the University of Zagreb 2008


LIST OF PUBLISHED WORK WHICH QUALIFY HIM HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Project Coordinator of the Ministry of Science of the Republic of Croatia No. 098-0000000-3530

»Molecular basis of aseptic necrosis of the hook.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 1 - Antun Kljenak: Zagreb's Surgical protocol for reconstruction of hand deformity in patients with bullous epidermolysis
University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences“
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof Ksenija Vitale

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Health and public health risks management in crisis situations

BIOGRAPHY

Education

2001 M.P.H., International Master of Public Health from Braun School of Public Health and Community Medicine, Hebrew University, Jerusalem Israel

2000 Ph.D., Biology, from the Faculty of Mathematics and Natural Sciences, University of Zagreb, Croatia

1994 M.S., Biology, from the Faculty of Mathematics and Natural Sciences, University of Zagreb, Croatia

1990 B.Sc. from the Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia

Postgraduate Courses and Continuous Education


• International federation of Environmental Health. Environmental Health Disaster Management Course, Zagreb, 2015.

• Experience at the service of the city – management of the hazardous waste, practical course, Department for the economy, French Embassy, Pariz, October 2005.

• Ecole Nationale de la Sante Publique, Rennes, France, Risk Assessment, risk management and communication, development of teaching moduel, February-March 2004.

• Fogarty International Center and National Institutes for Health; Ethical Issues in Health Research, Sofija May 2003.

• Ministry of Defense of Republic of Croatia and United States Partnership Program; seminar in Medical Preventive Activities Concerning Bio-Terrorism, 2003 Zagreb Croatia

• PH-SEE Zagreb Winter School for Public Health Professionals: Training of Teachers in Planning and Management of Public Health, 2002 Zagreb Croatia

Important relevant conference organization

2011 Director, member country NATO Science for Peace and Security ARW Environmental and Food Safety and Security for South-East Europe and Ukraine – 16-19 May, Dnepropetrovsk, Ukraine

2008 Co-director, partner country: Advanced research workshop: Water Treatment Technologies for the Removal of High-Toxicity Pollutants, NATO Science for Peace and Security, Kosice, Slovakca September 12-17 number of participants:70, number of countries: 13,

Work experience

• 1997-now School of Public Health, Medical School, University of Zagreb

• current position: full professor at the Department of Environmental and Occupational health and sports medicine
Main activities: research in the field of public health and environmental health, teaching, field work with students, mentoring
1990-1996 Institute for Anthropological Research, University of Zagreb, participation in the field research, working on master thesis.
International consultant in the field of medical waste
Member of South East Europe Forum on Climate change: Report writer
Member of NATO Science for Peace forum.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Nacionalni program „Živjeti zdravo”, komponenta „Zdravlje i okoliš”, Vlada Republike Hrvatske, 2015.


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Nacionalni program „Živjeti zdravo”, komponenta „Zdravlje i okoliš”, Vlada Republike Hrvatske, 2015.

Epidemiologija hipertenzije i unos kuhinjske soli u Hrvatskoj, Sveučilišna potpora 2015-2016.

Zdravlje na radu i radni okoliš, 1080316-0300 Ministarstvo znanosti, obrazovanja i sporta Republike Hrvatske 2007-2012.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant professor Anton Vladić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital “Sveti Duh”

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pathophysiology of the brain and CSF

BIOGRAPHY

2010 assistant professor the Faculty of Medicine of the University of Josip Juraj Strossmayer in Osijek;

since 1992 - now: neurologist at the University Hospital Sveti Duh,

area of expertise: multiple sclerosis

Education:

1985. School of Medicine,

1995. Doctoral thesis

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2010

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

The role of membrane lipids in brain development, aging and neurodegeneration
Glutathione S-transferase and superoxide dismutase in the etiopathogenesis of the disease
Pathophysiology of cerebrospinal fluid and intracranial pressure
Antioxidative and prooxidative effect of heparocyte herbal species
Hydrodynamics of cerebrospinal fluid

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

The role of membrane lipids in brain development, aging and neurodegeneration
Glutathione S-transferase and superoxide dismutase in the etiopathogenesis of the disease
Pathophysiology of cerebrospinal fluid and intracranial pressure
Antioxidative and prooxidative effect of heparocyte herbal species
Hydrodynamics of cerebrospinal fluid
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Tomislav Vladušić, doc.dr.sc.

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department of Biochemical Engineering, Faculty of Food Technology and Biotechnology, University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Genomic Instability

BIOGRAPHY

Tomislav Vladušić was born on September 29, 1978 in Munich, Germany. In 1998, he enrolled in the molecular biology study at the Faculty of Science University of Zagreb. He got his Bc.Sc. degree in 2005, graduating with excellence with the diploma thesis „Molecular typing of clinical isolates of Salmonella enterica (ex Kauffmann and Edwards 1952) Le Minor and Popoff 1987 bacterium“. The thesis has been made under the mentorship of Prof. dr. sc. Vanda Plečko, M.D. from the Clinical Hospital Center Zagreb and Prof. dr. sc. Mladen Krajačić from the Botanical Department, Faculty of Science, Zagreb. While studying he received scholarships from the Municipality of Jasenovac and the Sisak-Moslavina County. In 2008 he enrolled into Pedagogy and Psychology course at the Faculty of Teacher Education in Zagreb and the postgraduate study of molecular and cellular biology at the Faculty of Science in Zagreb. He obtained the PhD title in 2013. The doctoral thesis „Structural alterations of selected genes in human testicular germ cell tumours“ has been made under the mentorship of Prof. dr. sc. Reno Hrašćan from the Faculty of Biotechnology and Food Technology in Zagreb. Since 2007 he has been working as an assistant researcher (Scientist Register No. 292383) at the Faculty of Biotechnology and Food Technology research project no. 058-0582261-2246 entitled Influence of Mutagens and Antimutagens on Molecular Processes in a Cell, in the Biology and Microbial Genetics Laboratory, under supervision of Prof. dr. sc. Jasna Franekić and Prof. dr. sc. Reno Hrašćan. Within the project he was investigating structural genetic alterations of various genes involved in testicular germ cell cancer pathology. He is employed at the Department of Biochemical Engineering, Faculty of Food Technology and Biotechnology, University of Zagreb and is engaged in student laboratory works for modules Biology I, Biology II and Human physiology. Recently (23. svibnja 2017) he was elected assistant professor at the Department of Biochemical Engineering, Faculty of Food Technology and Biotechnology. He is the author of 7 original scientific papers and 15 abstracts. He is a member of the Croatian Genetics Society and the Croatian Society for Biochemistry and Molecular Biology.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 23. svibnja 2017. Assistant professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2014.-2018. projekt Hrvatske zaklade za znanost „Uloga signalnog puta Wnt u epitelnomezenhimskoj tranziciji“. WNT4EMT (6625)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Kristian Vlahoviček, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Faculty of Sciences, University of Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY:

BIOGRAPHY

Professor Kristian Vlahoviček holds a PhD in Bioinformatics and works as a Professor in Computational Biology at the University of Zagreb, Croatia. He won the EMBO Young Investigators Programme installation grant and has been running an internationally competitive research group in Croatia for past 15 years. He had several international appointments, including the 10 year stay at the International Center for Genetic Engineering in Trieste, Italy and a 4-year adjunct professorship at the University of Oslo, Norway. His bioinformatics group develops computational tools and uses machine learning techniques to tackle open questions in developmental genomics and metagenomics.

Kristian is a strong proponent of science reforms in Croatia and evidence-based policy making. He served in the steering committee of Croatia’s successful science funding body, the Unity through Knowledge Fund (UKF) and has participated in several strategy-drafting panels at the university and national level. He was also one of the independent experts for the World Bank regional R&D strategy for innovation and data provider for the Croatia’s Smart Specialisation Strategy.

Kristian is the owner of Exaltum – a research intensive company focused on knowledge management and the author of the Croatian Scientific landscape project (sci.bioinfo.hr). DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 18.06.2016.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


The first murine zygotic transcription is promiscuous and uncoupled from splicing and 3’ processing. The EMBO journal 2015, 34(11):1523-1537.[IF 10.748; Q1]


Cell-of-origin chromatin organization shapes the mutational landscape of cancer. Nature 2015 518: 360-364 [IF 42.351; Q1]


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2008-2010 ICGEB collaborative research grant, PI (24.000 euro)

2006-2012 EMBO Young Investigator Programme installation grant, PI (250.000 euro)

2006-2009 FP6 CCompSoLLS, collaborator (salary for one student)

2006- Croatian ministry of science 119-0982913-1211, PI (10.000 euro p/a)

2005-2006 Croatian ministry of science 0119161, PI (5.000 euro p/a)

2004 Croatian IT grant 090/2004, PI (15.000 euro)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018- European Commission H2020 Marie Currie International Training Network (ITN) IGNITE, WP leader (240.000 euro)

2018-2019 Croatia – China bilateral grant on science and technology exchange, Croatian PI (10.000 euro)

2015- Croatian National Science Foundation, PI (130.000 euro)

2015- Members of two CoRE National Centers of Research Excellence (each CoRE total funding ~5M euro):

- CoRE for Personalised Health Care

- CoRE for Data Science and Cooperative Systems

2015-2017 ADRIS Group, private charity, PI (30.000 euro)

2013-2016 INTEGRA-Life, Seventh framework programme, co-PI, (600.000 euro, project total 3.2M euro)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

4
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Full professor Maja Vlahović, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Epigenetics; Isotransplantation of Mammalian Organ Primordia; Methods of investigation in vivo and in vitro; Methods of molecular biology in medicine

BIOGRAPHY


DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2012. Full professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME from 1983.-2002. participation at scientific projects: NIH, Bethesda, USA; WHO Geneva, Switzerland; Cancerfonden; UNESCO, MZOS

2002-2006. investigator at the MZOŠ project „Experimental approach on mammalian reproductive health”

2007-2013. investigator at the MZOŠ project “ Experimental embryonic tumors and mammalian development in vivo and in vitro”

- 2014. to date Scientific Center of Excellence for reproductive and regenerative medicine, research unit for biomedical research reproduction and development

- 2017-2022 PI of project element "Testicular Germ Cell Tumors Epigenetics"and associate on other elements "Reproductive and Regenerative Medicine - Exploring New Platforms and Potentials" The
European Union through the European Regional Development Fund, Operational Programme Competitiveness and Cohesion, under grant agreement No. KK.01.1.1.01.0008, within the

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

- 2017-2022 PI of project element "Testicular Germ Cell Tumors Epigenetics" and associate on other elements "Reproductive and Regenerative Medicine - Exploring New Platforms and Potentials" The European Union through the European Regional Development Fund, Operational Programme Competitiveness and Cohesion, under grant agreement No. KK.01.1.1.01.0008, within the Center of Excellence for Reproductive and Regenerative Medicine (CERRM). School of Medicine, University of Zagreb.

- 2017-2021 investigator at the project "Epigenetic Biomarkers in Blood and Ejaculate of Patients with Testicular Seminoma". School of Medicine, University of Zagreb financed by CSF.

- 2014. to date Scientific Center of Excellence for reproductive and regenerative medicine, research unit for biomedical research reproduction and development

**NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 2**

-Ljiljana Šerman, University of Zagreb, Impact of the teratogen 5-azacytidine on rat placenta, Faculty of Natural Sciences Zagreb, doctoral dissertation 2005

-Nino Sinčić, University of Zagreb, Impact of 5-azacytidine on the development of experimental mouse teratocarcinoma, School of medicine, University of Zagreb, doctoral dissertation 2012
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Ass. Prof. Zlatko Vlajcic, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital „Dubrava“, Department of Plastic, Reconstructive and Aesthetic Surgery, Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Hand surgery

BIOGRAPHY

Born September 16, 1965 Fojnica

Works at: University Hospital „Dubrava“, Department of Plastic, Reconstructive and Aesthetic Surgery

Zagreb University School of Medicine, Referral Centre for Breast Surgery and Hand Surgery of the Ministry of Health of the Republic Croatia, EBOPRAS Accreditation Center (the European Board of Plastic, Reconstructive and Aesthetic Surgery) Av. Gojka Suska 6, 10 000 Zagreb, Croatia.

Phone: +385 1 290 38 31, Fax: +385 1 2863 695

E-mail: zvlajcic@kbd.hr

Languages: Croatian, English

April 29, 2004: IELTS - International English Language Testing System, British Council Academic level, Overall score 7.0

Education:

1985-1991: University of Sarajevo, Faculty of Medicine (IMED), FAIMER School ID: F000089, graduated on the 20th of April 1992


1995-1999: Residence in General Surgery, University Hospital „Dubrava“, Zagreb

2000-2003: Residence in Plastic Surgery, University Hospital „Dubrava“, Zagreb,

1998-2000: Postgraduate study „Medical Science“, University of Zagreb School of Medicine (IMED), FAIMER School ID: F0001784

Academic degrees:

April 20, 1992: Graduated at Sarajevo University School of Medicine

July 13, 1994: Passed the State Exam in Medicine, Ministry of Health, Republic Croatia (GP License Exam)

July 21, 1999: Passed the Exam in General Surgery, University Hospital „Dubrava“

December 15, 2003: Passed the Exam in Plastic Surgery, University Hospital „Dubrava“

April 29, 2004: IELTS - International English Language Testing System, British Council Academic level, Overall score 7.0

March 18, 2005: M.Sc. (Master of Science) at Zagreb University School of Medicine, Theme: “Nipple-areola complex preservation: predictive factors of neoplastic nipple-areola complex invasion”,

December 17, 2009: Ph.D. at Zagreb University School of Medicine, Theme: “Biomechanical trial of modified flexor tendon sutures – in vitro study”

May 28, 2010: Promoted in status: “Research Associate” by Croatian National Council in Science due to the proposal of Zagreb University School of Medicine

May 31, 2011: Inaugurated in status: “Primarius” by Ministry of Health, Republic Croatia

December 13, 2013: Promoted in status: “Senior Research Associate” by Croatian National Council in Science due to the proposal of Zagreb University School of Medicine
March 27, 2017: Promoted in scientist teaching title: Ass.prof., University School of Medicine in Osijek, Croatia, Scientific Area: Biomedicine and Healthcare, Science field: Clinical Medical Science; Scientific branch: Surgery.

Working experience:
1992-1994: Assistant Surgeon in Field hospitals during the war in Bosnia and Croatia
1999-2001: IOM, Medical Escort Service, Zagreb, Croatia
2005-present: Expert Court Witness in General Surgery, County Court in Zagreb
2006-present: Licensed Plastic Surgeon, University Hospital „Dubrava”, Department of Plastic, Reconstructive and Aesthetic Surgery, Zagreb University School of Medicine

Invited visits to foreign institutions:
2004. godine - visitor-St.Andrew’s Centre for Plastic Surgery and Burns, Hand Surgery Department, UK,
2011. godine - visitor-Department of Plastic Surgery, Georgetown University Hospital, Washington, DC, USA,
2013. godine - visitor-Hand Surgery Department, Gentofte Hospital, Denmark,
2013. godine - visitor-AKADEMILKINIKEN-Aesthetic Plastic Surgery, Stockholm, Sweden,
2013. godine - visitor-Rigshospitalet, Hand Surgery, Copenhagen, Denmark,
2014. godine - visitor-Department of Plastic Surgery, Georgetown University Hospital, Washington, DC, USA.

Teaching activities:
Undergraduate education:
Zagreb University School of Medicine: Breast Surgery, Hand Surgery, Reconstruction Procedures in Plastic Surgery, Procedures in Aesthetic Plastic Surgery

Postgraduate education:
Zagreb University School of Medicine: PhD study “Biomedicine and Health”: Microsurgical transfer of the tissue, Dermatosurgery, Hand Surgery, Breast Surgery

June 15, 2009: Promoted in “Mentor” status for Court Experts Educational Program in field of Plastic Surgery by Croatian Medical Chamber

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 27 March 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Current Contents: 12


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

2. The Inguinal Adipodermal Graft: a Single-Stage Technique for Cranial Linear Grove-like Defects Correction (2016) Medical archives (Sarajevo, Bosnia and Herzegovina)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1998-1999: Project No.0198007 by Ministry of Science and Technology, Project Manager: S.Stanec: “SLNB at melanoma and breast cancer patients”,

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Željka Vogrinc, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Biochemical Methods in Biomedical Research; Molecular and biochemical approach to genetic disorders

BIOGRAPHY

Željka Vogrinc, PhD, a medical biochemistry specialist, is head of Division for General Clinical Biochemistry and CSF analyses, Department of Laboratory Diagnostics, University Hospital Center Zagreb, Croatia. The area of her professional and research interest are analyses of cerebrospinal fluid and other special body fluids and also the research of specific proteins and lipoproteins. She teaches in undergraduate and postgraduate courses at Faculty of Pharmacy and Biochemistry, and at School of Medicine, University of Zagreb, in the field of neurochemistry and CSF diagnostics. She has published a number of research and professional papers and held many lectures at various national and international scientific meetings. She is a member of the editorial board of the journal Neurologia Croatica, Croatian chamber of medical biochemists and Croatian society of medical biochemistry and laboratory medicine.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

- Funkcijska genomika i proteomika rizičnih čimbenika ateroskleroze» (108-1080134-0136)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

- Biomarkeri u shizofreniji – integracija komplementarnih pristupa u praćenju osoba s prvom psihotičnom epizodom (project number: 1245)
- Funkcijska genomika i proteomika rizičnih čimbenika ateroskleroze» (108-1080134-0136)
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Jasmina Vranes, MD, PhD, - permanent tenure

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine; University of Zagreb Teaching Institute of Public Health “Dr. Andrija Stampar”, Zagreb, Croatia


BIOGRAPHY

Born: Gospic, 1961. Education: Zagreb University Medical School (1984), M.Sc. (1989) Ph.D. (1993). Specialization: Postgraduate Study in Clinical Paediatrics at Zagreb University Medical School (1984–1985), Postgraduate Study in Medical Microbiology at Zagreb University Medical School (1986–1987), specialization in Medical Microbiology and Parasitology (1986–1989), Professional training at Medical Microbiology and Immunology Department at University Medical School of Pecs (1997), and at Microbiology, Immunology and Molecular Genetics Department at University of Kentucky, USA (2003). Employment and duties: intern at Osijek General Hospital (1985), staff associate at Bacteriology, Virology and Parasitology Department at Zagreb University Medical School (1986–1989), assistant (1989–1997), assistant professor (1997–2001), associate professor (2001–2006), professor (2007-) and tenured professor (2013-) at Microbiology and Parasitology Department at Zagreb University Medical School; first head and founder of Bacteriology, Virology and Parasitology Department at Osijek University Medical School (1998–2003); first head and founder of Molecular Microbiology Department (2004-2013) and head of Clinical Microbiology Department at Zagreb Institute of Public Health (2005-). Head of Medical Microbiology and Parasitology Department at School of Medicine, University of Zagreb (2016-). Scientific interests: antimicrobial chemotherapy and pathogenesis of infectious diseases, urogenital infections, biofilm infections. Awards: International Society for Chemotherapy Young Scientists Award (1993), Hospital Infection Society Young Scientists Award (1994) and European Society for Clinical Microbiology and Infectious Diseases Award for an excellent research project (1997), etc. Publications: more than 100 scientific and professional papers, more than 30 papers in CC indexed journals, author of one and co-author of six books, and participant in more than 50 international meetings. Memberships: Croatian Medical Association (1985-), International Society for Infectious Diseases (1993-), European Society for Clinical Microbiology and Infectious Diseases (1996-) and New York Academy of Sciences (1996-). Postgraduate teaching experience: lecturer (1989-) and course leader (2008-) at postgraduate study in Medical Microbiology and in General Surgery at Zagreb University Medical School (2017-), and course leader of two courses at Doctoral Postgraduate Study at Zagreb University Medical School (2002-).

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 10.12.2013., tenured professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME:

vis.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS:


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME:

2. Project entitled: “Improvement of health and preventive care” (Croatian Ministry for Science and Education), participant-collaborator, project leader prof. dr. sc. Luka Kovacic, 1991-1996,
4. Project entitled: “Immunoreaction on intracellular pathogens” (MZOS, Nr.0021-005), consultant, project leader Alemka Markotic PhD, 2002-2005,
5. Project entitled: “Oral precancerous and paraneoplastic lesions” (MZOS, Nr. 065-008), participant-collaborator, project leader prof. dr. sc. Ana Cekic-Arambasin, 2002-2005,
6. Project entitled: “Effect of subinhibitory concentrations of antibiotics” (MZOS, Br. 0219-281), project leader, 2002-2006,
7. Project entitled: “Effect of antibiotics on causative agents of biofilm infections” (MZOS, Br. 121-1080114-0306), project leader, 2007-2013,

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS:

1. Zagreb University Short-term Scientific Grant for project entitled: “Biofilm infections in children with cystic fibrosis”, project leader 2014,
3. Zagreb University Short-term Scientific Grant for project entitled: “Carbapenemases in hospitals and in care homes”, participant-collaborator, project leader prof. Branka Bedenic, 2016,
5. COST Program – European Cooperation in Science and Technology CA1514 „Anti-Microbial Coating Innovations to prevent infectious diseases (AMiCI), -member of scientific board, 2016-2020,
6. FAPIC (Fast Assay for Pathogen Identification and Characterization), Horizon 2020 project PHC10, – supervisor, (project leader for Croatia - prof. Branka Bedenic,), 2016-2020,

7. HRZZ project Nr. IP-2016-06-7556 “New and neglected respiratory viruses in vulnerable groups of patients”, participant-collaborator, project leader assoc. prof. Suncanica Ljubin-Sternak, 2017-2021,

8. The City of Zagreb three-year grant for project: “Screening of student population on sexually-transmitted pathogens: Mycoplasma genitalium and Chlamydia trachomatis”, project leader, 2017-2020,


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 2
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Darija Vranešić Bender, BSc, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Centre Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Clinical Nutrition

BIOGRAPHY

Darija Vranešić Bender, PhD was born 1976 in Zagreb, Croatia. She graduated from Faculty of Food Technology and Biotechnology in 2000. She obtained PhD degree in Nutrition from the same Faculty in 2005. She is Assistant Professor in the field of nutrition since 2012, and professor from 2018.

Since the year 2008, she is employed by University Hospital Centre Zagreb as a clinical nutrition at the Department of internal medicine, Unit of Clinical Nutrition. She teaches diet therapy and clinical nutrition at Zagreb School of Medicine (regular and study in English language) and Faculty of Food Technology and Biotechnology University of Zagreb.

Her special interest is diet therapy in dyspepsia, IBD, IBS and coeliac disease as she works in inpatient and outpatient settings educating patients diagnosed with diseases of GI tract. She is an active member and president of several Societies in the country and region spreading knowledge in the field of nutrition and clinical nutrition.

She published 14 papers indexed in Current Contents and SCI Expanded, 17 papers indexed in Scopus and Medline, she is co-author of several chapters in 6 textbooks and 3 handbooks of Zagreb School of Medicine. She is a co-author of Handbook of Clinical nutrition (used for postgraduate Course of Clinical Nutrition).

She participated at several research projects financed by Croatian Ministry of Science and Technology as well as international projects endorsed by ESPEN: „LLL programme in Clinical Nutrition and Metabolism“ and „Nutrition day“. She wrote 2 popular books about nutrition sold in more than 6,000 copies.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: October 17th 2018

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Krznarić, Ž; Vranešić Bender, D; Ljubas Kelečić, D; Brinar, M (2011) Wernicke’s encephalopathy during parenteral nutrition in a Crohn’s disease patient Nutrition 27:503–504


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2013-2018 HRZZ code 5467 Assessment of Microbiota, Inflammatory Markers, Nutritional and Endocrinological Status in IBD Patients; Acronym: MINUTE for IBD

0034207 Assessment of impact of physical exercise on somatic and health status

072-1083107-2054 Coeliac disease in children, primary prevention and pathogenesis of chromosomal instability

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2013-2018 HRZZ code 5467 Assessment of Microbiota, Inflammatory Markers, Nutritional and Endocrinological Status in IBD Patients; Acronym: MINUTE for IBD

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Dina Vrkić, MLIS

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Structure, methodology and functioning of scientific work

BIOGRAPHY

Dina Vrkić graduated librarianship from the Faculty of Faculty of Humanities and Social Sciences. She started her professional work at the Central Library at the Faculty of Electrical Engineering and Computing at the University of Zagreb where she participated in the graduate teaching. 2014 she started to work in the Central Medical Library where she is in charge of dealing with specific information through advanced and complex searches, evaluation of specific information, citation analysis, bibliometric and altmetrics analysis for individuals, departments and institutions. She participates in the teaching at integrated undergraduate and graduate studies in English and Croatian, and also postgraduate programs studies in Croatian and English. She participates in numerous local and international conferences. She is a recipient of few scholarships and awards. Her professional and scientific interests are information literacy, open access, scholarly communication, bibliometrics, altmetrics and learning assessment. She is an Information and communication sciences PhD candidate at University of Zagreb Faculty of Humanities and Social Sciences.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Vrkić, Dina; Škorić, Lea; Petrak, Jelka. Altmetrics of Papers From Scientific Periphery Reflect Global Trends: A Case Study of Publications by Zagreb University School of Medicine. // The Journal of Academic Librarianship. 43, 6 (2017), str. 479-486. URL: https://doi.org/10.1016/j.acalib.2017.08.014

Škorić, Lea; Vrkić, Dina; Petrak, Jelka. Current state of open access to journal publications from the University of Zagreb School of Medicine. // Croatian Medical Journal. 57, 1 (2016), str. 71-76. DOI: 10.3325/cmj.2016.57.71


Vrkić, Dina; Lisek, Jadrnaka; Glavica, Marijana. Zaplesala je ovo ljeto: Implementacija Kohe u knjižnični sustav Fakulteta elektrotehnike i računarstva: prvi dio. // Vjesnik bibliotekara Hrvatske. 55, 3-4 (2013), str. 1-16. URL: https://hrcak.srce.hr/106570

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Vrkić, Dina; Škorić, Lea; Petrak, Jelka. Altmetrics of Papers From Scientific Periphery Reflect Global Trends: A Case Study of Publications by Zagreb University School of Medicine. // The Journal of Academic Librarianship. 43, 6 (2017), str. 479-486. URL: https://doi.org/10.1016/j.acalib.2017.08.014

Škorić, Lea; Vrkić, Dina; Petrak, Jelka. Current state of open access to journal publications from the University of Zagreb School of Medicine. // Croatian Medical Journal. 57, 1 (2016), str. 71-76. DOI: 10.3325/cmj.2016.57.71


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Oliver Vugrek, PhD, senior research advisor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Institut Ruđer Bošković

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Translational medicine – from disease to gene

BIOGRAPHY

Oliver Vugrek (OV) graduated in Biology at the Albert Einstein University of Ulm (Germany) in 1992, and received a PhD in Natural Sciences in 1995 at the Karl Ruprechts University of Heidelberg (Germany). After another year as postdoctoral fellow at Max Planck Institute for Cellbiology, he was awarded a 2-year postdoctoral fellowship at the Australian National University in Canberra. After the postdoc term, he was employed as assistant at the Ruđer Bošković Institute (RBI) in 1999, and in 2006 he established his own laboratory. From 2012 to 2015 he was appointed Head of the Department of Molecular Medicine. At present moment he is leading the Laboratory for Advanced Genomics at RBI.

OV is highly familiar with recombinant DNA technology, and new technologies such as microarrays, and next-generation sequencing. OV’s main research interests and expertise are within molecular genetics of rare inherited metabolic diseases. Throughout his research, he participated in the discovery of a new metabolic disease in human, S-Adenosylhomocysteine hydrolase (SAHH) deficiency. Now he is intensively involved in elucidation of the adverse pathological processes in regard to methylation, and methylation errors as a cause of the disease.

Worthwhile to mention is that OV led 7 research projects (EU, national and international level). The greatest achievement so far is the FP7 project InnoMol, the largest project ever conducted in Croatia in Natural Sciences, with a budget of 4.8 Mil EUR. By contracting EU funded projects worth altogether 5.3 million EUR OV has helped to introduce new technologies and valuable infrastructure in several life science departments at RBI. Subsequently, he has assembled a State-of-the-Art operational Next-Generation-Sequencing facility bringing genomics research at RBI to a new level.

OV is actively participating in academic activities such as member of the FEBS Fellowships Committee (January 1st 2017 till December 31st 2020), and Committee member of Croatian Science foundation for project monitoring and follow-up procedures (since 2015). OV was also member of the Croatian Science foundation board for research project selection in Natural Sciences (2013-2015).

Recently, he has organized the International Conference ‘Game of Epigenomics, April 24 - 28, 2016, Dubrovnik, Croatia, and several workshops and minisymposia at Ruđer Bošković Institute, Zagreb, Croatia. OV is organizing courses for postgraduate studies at the Faculty of Science and Faculty of Medicine in Zagreb.

So far, he has mentored three doctorates and six graduate theses. Other activities include memberships in RBI Committees, Croatian Societies and editorial boards of scientific journals.

In 2010, he has received the Annual Award of the RBI director for outstanding scientific achievement. So far, OV has published 36 papers, of which 30 are peer-reviewed papers with a total of 650/678 citations (WoS/SCOPUS) with a h-index of 11.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 4 July, 2018

teaching rank: senior scientist (znanstveno zvanje znanstvenog savjetnika)

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


6. Honzik T; Magner M; Krijt J; Sokolova J; Vugrek O; Beluzic R; Baric I; Bansikova H; Elleder M; Vesela K; Bauerova L; Ondruskova N; Jesina P; Zeman J; Koizich V: Clinical picture of S-adenosylhomocysteine hydrolase deficiency resembles phosphomannomutase 2 deficiency. Molecular Genetics and Metabolism (2012); 107 (3), 611–613.


https://doi.org/10.1016/j.vascn.2018.02.008


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018-2020: Integrated Test to Identify Genetic Changes Causing Infertility (Genom-IGT) ; Ph.D. Oliver Vugrek, in project partner status. Total funds contracted: HRK 928,819.30. Duration 31.05.2018. to 05/30/2020.


2009-2011: International Research Project Leader: Molecular Dynamics of S-Adenosylhomocystein Hydrolase (SAHH) and the Role in Gene Expression Regulation '(No 03-1209 / 1-2009) within the framework of Croatian-Israeli cooperation. $100,000.00.

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018-2020: Integrated Test to Identify Genetic Changes Causing Infertility (Genom-IGT) '; Oliver Vugrek, PhD in project partner status. Total funds contracted: HRK 928,819.30. Duration 31.05.2018. to 05/30/2020.


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

3
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Željka Vukelić, Associate Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine, University of Zagreb, Department of Chemistry and Biochemistry

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Research methods in vivo and in vitro

BIOGRAPHY

Received master’s degree in Biology and Chemistry from the Faculty of Science, University of Zagreb (1988). After completion of scientific postgraduate study at the same Faculty, earned MSc (1997) and PhD title (2002) in the field of Chemistry, Biochemistry.

Employed at the Department of Chemistry and Biochemistry, School of Medicine, Zagreb University: from 1989 at assistant positions, from 2007 as Assistant Professor, and from 2012 as Associate Professor.

Scientific trainings (specialization) acquired abroad: Institute of Physiological Chemistry, Medical Faculty, Bonn University, Germany (1993-1995; 7.5 months); Department for Cell Culture Techniques, Technical Faculty, Bielefeld University, Germany (1994; 2 weeks); Institute of Neuropathology, University Hospital Bonn, Germany (1994, 5 weeks); University Hospital Eppendorf, Medical Faculty, Hamburg University, Germany (1999; 4 weeks); Laboratory for Biomedical Analytics, Institute of Medical Physics and Biophysics, Medical Faculty, Münster University, Germany (1999, 2000, 2003-2005; 15 months); Institute of Analytical Chemistry and Center of Mass Spectrometry, Faculty of Chemistry, Vienna University, Austria (2010., Erasmus exchange); and Laboratory for Biomolecule Mass Spectrometry, National Institute for Research and Development in Electrochemistry and Condensed Matter, Timisoara, Romania (2008, 2011; 1 month) where appointed as visiting professor in 2006.

Awarded research scholarships: Jülich Scholarship (Federal Ministry of Education and Research, Germany; 1993-1995); DAAD Scholarship, Germany (1999); Scholarship of the “Miroslav Čačković” Foundation, School of Medicine, Zagreb University (2004).

Scientific work focused on topics in the field of neuro(bio)chemistry, particularly glycomics and lipidomics of human brain in health and disease, brain tumors and cell cultures as in vitro models, using advanced methods of mass spectrometry and complementary techniques for biomolecule analyses. Besides structural characterization, investigates roles and metabolism of nervous system glycolipids and sphingolipids.

Led 4 national scientific projects and was co-leader of international scientific project: 1 project supported by Croatian Ministry of Science, Education and Sports (2007.-2014.); 3 short-term projects supported by University of Zagreb; collaborative project „Research of Excellence”, CEx 14, supported by Romanian Ministry of Education and Research from EU funds (2005.-2008.). Currently, leads short-term project supported by University of Zagreb and participates as active collaborator in two projects supported by Croatian Science Foundation. Additionally, as a junior researcher or researcher participated in 6 national projects and 5 international collaborative projects. Has long-term and ongoing collaboration with foreign and Croatian researchers.

Co-author of 41 scientific articles (34 CC, 1 SCI-Expanded) and around 100 conference reports, including invited lectures.

Mentor of 2 doctoral thesis and 1 diploma work; also, supervised research work of motivated students.
Extensively participates in teaching of basic courses within the graduate and doctoral medical studies programs, including the Medical Studies in English (coordinator of the course Medical Chemistry and Biochemistry II from 2007). Also, participates in teaching programs for students of Dental Medicine in Croatian and English language (coordinator of the course Chemistry from 2017).

**DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:** 28.02.2012

**LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Rožman M., Fabris D., Mrla T., Vukelić Ž. Database and data analysis application for structural characterization of gangliosides and sulfated glycosphingolipids by negative ion mass spectrometry. Carbohydrate Res., 400: 1-8, 2014. (IF 5-y=2.133) Q2


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2018: project „Further characterization of composition of glycolipids and sphingolipid metabolites as human brain tumor markers“(Zagreb University); principal investigator

2017: project „Characterization of composition of glycolipids and sphingolipid metabolites as human brain tumor markers“(Zagreb University); principal investigator

2017.-2021: Project "Molecular markers of neuronal vulnerability, adaptation and plasticity in acute and chronic brain lesion", NeuroReact (Croatian Science Foundation, P.I. - S. Kalanj Bognar), collaborator

2016: project „Influence of ganglioside composition changes on neuroplastin expression in brain tumors in human“ (Zagreb University); principal investigator

2015.-2019: project "Pathophysiological consequences of changed composition of lipid rafts" (P.I.- M. Heffer; Croatian Science Foundation); collaborator

2015: project "Characterization of gangliosides and neuroplastin as potential markers of human brain tumors" (Zagreb University); principal investigator

2014: bilateral German/Croatian DAAD project "Gangliosides and neuroplastin in organization of synaptic membrane" (P.I. - K. Mlinac); collaborator

2013.-2015: EU FP7 RegPot „Combining Stem Cells and Biomaterials for Brain Repair - Unlocking the Potential of the Existing Brain Research through Innovative In Vivo Molecular Imaging; GlowBrain“ (P.I. - S. Gajović); collaborator

2012-2015: “Detection and tracking of biological markers for early therapeutic intervention in sporadic Alzheimer's disease”, supported by Croatian Science Foundation; collaborator


2007-2014: “Role of membrane lipids in brain development, aging and neurodegeneration”, supported by Croatian Ministry of Science, Education and Sports, grant No. 108-1081870-1877; collaborator (researcher)
2006-2007: “Reinke’s crystals in healthy and infertile man”, Croatian-Austrian bilateral collaborative project; collaborator (researcher)

2005-2008: “High-performance mass spectrometric study of gangliosides from defined regions of human brain: composition, structure and functional interactions”, collaborative project “Research of Excellence”, CEx 14, supported by Romanian Ministry of Education and Research from EU funds, Romania; co-leader

2002-2006: “Glycosphingolipids in brain development, aging and neurodegeneration”, supported by Croatian Ministry of Science, Education and Sports, grant No. 0108120; collaborator (researcher)

2002-2006: “Investigation of men reproductive gland”, supported by Croatian Ministry of Science, Education and Sports, grant No. 0108113; collaborator (researcher)

2003-2004: “Genetic regulation of cholesterol metabolism in mouse brain tissue”, Croatian-Slovenian bilateral collaborative project; collaborator (researcher)

2003-2004: "Histophysiological regulation of Leydig cells function in men", Croatian-Slovenian bilateral collaborative project; collaborator (researcher)

1998-2002: “Sphingolipids of hippocampal neurons in Alzheimer’s disease, supported by Croatian Ministry of Science, Education and Sports, grant No. 108121, collaborator (researcher)

1991-1998: “Human brain gangliosides”, supported by Croatian Ministry of Science and Technology, grant No. 108136, junior researcher

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2018: project „Further characterization of composition of glycolipids and sphingolipid metabolites as human brain tumor markers“(Zagreb University); principal investigator

2017: project „Characterization of composition of glycolipids and sphingolipid metabolites as human brain tumor markers“(Zagreb University); principal investigator

2017.-2021: Project "Molecular markers of neuronal vulnerability, adaptation and plasticity in acute and chronic brain lesion", NeuroReact (Croatian Science Foundation, P.I. - S. Kalanj Bognar), collaborator

2016: project „Influence of ganglioside composition changes on neuroplastin expression in brain tumors in human” (Zagreb University); principal investigator

2015.-2019: project "Pathophysiological consequences of changed composition of lipid rafts" (P.I.- M. Heffer; Croatian Science Foundation); collaborator

2015: project "Characterization of gangliosides and neuroplastin as potential markers of human brain tumors" (Zagreb University); principal investigator

2014: bilateral German/Croatian DAAD project "Gangliosides and neuroplastin in organization of synaptic membrane" (P.I. - K. Mlinac); collaborator

2013.-2015: EU FP7 RegPot „Combining Stem Cells and Biomaterials for Brain Repair - Unlocking the Potential of the Existing Brain Research through Innovative In Vivo Molecular Imaging; GlowBrain“ (P.I. - S. Gajović); collaborator

2012-2015: “Detection and tracking of biological markers for early therapeutic intervention in sporadic Alzheimer’s disease”, supported by Croatian Science Foundation; collaborator

2007-2014: “Role of membrane lipids in brain development, aging and neurodegeneration”, supported by Croatian Ministry of Science, Education and Sports, grant No. 108-1081870-1877; collaborator (researcher)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Slobodan Vukicevic, MD, PhD
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine
NAME OF COURSE/MODULE THAT HE/ SHE TEACHES AT THIS DOCTORAL STUDY: Bone morphogenetic proteins in regeneration of bone and cartilage, Doctoral postgraduate study in the field of Biomedicine and public health

BIOGRAPHY
Slobodan Vukicevic, MD, PhD, is a full professor and head of the Laboratory for Mineralized Tissues at the Center for Translational and Clinical Research, University of Zagreb School of Medicine.
Dr. Vukicevic has published more than 200 publications and book chapters in scientific journals with high impact factors, which have been cited more than 7500 times, (h-index 45) in Web of Knowledge, and more than 11000 times (h-index of 52) in Google Scholar. He is the editor of four books on BMPs published by Birkauser (Springer) Verlag in 2002, 2004, 2008 and 2017.
Vukicevic is recognized as a leader in regeneration of tissues by bone morphogenetic proteins (BMPs), specifically bone, cartilage and kidney regeneration. Since the discovery of BMPs in the late 80s Vukicevic significantly contributed from basic discoveries to clinical applications of BMPs which are today commercially used as first human recombinant proteins for accelerating and inducing bone formation in patients with skeletal defects. As a visiting scientist at NIH (1988-1994) he discovered that bone cells recognize discrete domains of laminin and collagen type IV which influence their differentiation and proliferation, suggesting that in vivo smallest blood vessels comprising only of basement membranes regulate bone growth and repair via stimulating specific cell receptors and providing to bone cells growth factors bound to type IV collagen, in particular TGFβ1, EGF and PDGF. In collaboration with biotechnology (Genzyme Corp., Creative Biomolecules, Stryker Biotech) and pharmaceutical (Pfizer Inc., Wyeth Pharmaceuticals) companies Vukicevic contributed to the discovery of new drugs and to execution of successful clinical trials. Vukicevic and colleagues found that the thyroid stimulating hormone (TSH) released by the pituitary gland directly regulates the bone volume without affecting the thyroid gland activity. In collaboration with scientists from Harvard Medical School, his group significantly contributed to discoveries regarding iron regulation with BMP6 using Bmp6/-/- mice and recombinant BMP6 produced in his laboratory for the Osteogrow project. The discovery that whole blood derived coagulum serves as a biocompatible carrier for osteogenic proteins led to clinical testing of a new BMP based bone implant OSTEOGROW supported by a FP7 HEALTH collaborative program coordinated by Vukicevic (7 states, 11 partners, 5.9 mil €), the project which was recently successfully finalized. Since January 2018 he is coordinating the newly approved program OSTEOPROSPINE funded from HORIZON2020 (6 states, 13 partners, 6 mil €) to test Osteogrow safety and efficacy in patients with lumbar back pain. Since 2015 he coordinates the Scientific Center of Excellence for Regenerative Medicine funded via European regional funds with the aim to create new scientific evidence as a basis for better patient health care and therapeutic possibilities.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 1991 - full professor

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

1. “Reproductive and regenerative medicine – research of new platforms and potentials” part of the Croatian Scientific Center of Excellence in Regenerative Medicine, 2017-2022 (European Union through the European Regional Development Fund) \[37.999,993,39 HRK (37.569,493,39 HRK financed by EU)\]

2. “OSTEOproSPINE - Novel Bone Regeneration Drug “Osteogrow”: Therapeutic Solution for Lumbar Back Pain” 2017 – 2022 (European Commission, HORIZON 2020 program, Grant Agreement No. 779340) \[6.000,000,00 €\]

3. BMP6Fe3 - Development of novel antibodies (biologics) that will selectively inhibit hepcidin expression in the liver for the Treatment of Anemia of Chronic Disease 2017 – 2021 (Croatian Science Foundation) \[133.000,00 €\]

4. Croatian Scientific Centre of Excellence for Regenerative Medicine 2015-2019 (European Union through the European Regional Development Fund) \[4.200.000,00 €\]

5. "OSTEOGROW - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration" 2012 – 2017 (European Commission, FP7 HEALTH program, Grant Agreement No. 279239) \[5.683.000,00 €\]

6. “A novel anabolic targeted therapy for osteoporosis: BONE-BIS” 2012-2014 (Croatian Science Foundation) \[195.000,00 €\]
7. “New interventional procedure by introducing technology improved cardiac function after myocardial infarction” 2012 -2013 (BICRO PoC 4 project) [25.000,00 €]
8. "Bone morphogenetic protein-1 isoforms in bone regeneration" UKF Research Cooperability Program – "Crossing Borders" Grant 2010-2012 (Ministry of Science, Education and Sport and UKF) [180.000,00 €]
9. "BMP in kidney development" (NIH grant joint USA-Croatian scientific board)
10. TEST project "Osteoinductive molecule" 2004-2006 (Ministry of Science, Education and Sport and Institute for Technology) [90.000,00 €]
11. "BMP-6 efficacy and mode of action in osteoporosis treatment" 2002-2006 (Ministry of Science, Education and Sport)
12. "Prostaglandin mode of action in bone formation" 2002-2004 (Pfizer Inc., USA – University of Zagreb School of Medicine) [90.000,00 €]
13. "Oral use of BMP for systemic bone growth" 1999-2003 (PLIVA—School of Medicine, University of Zagreb) [700.000,00 €]
14. "Cartilage regeneration by usage of BMP-7 " 1997-2000 (Stryker Biotech, USA – University of Zagreb School of Medicine) [170.000,00 €]
15. "BMP-7 (OP-1) in protection and treatment of kidney diseases" 1996-2002 (Ministry of Science, Education and Sport) [120.000,00 €]
16. "The role of extracellular matrix in cartilage and bone morphogenesis" 1990-1995 (Ministry of Science, Education and Sport) [60.000,00 €]

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
1. “Reproductive and regenerative medicine – research of new platforms and potentials” part of the Croatian Scientific Center of Excellence in Regenerative Medicine, 2017-2022 (European Union through the European Regional Development Fund) [37.999.993,39 HRK (37.569.493,39 HRK financed by EU)]
2. “OSTEOProSPINE - Novel Bone Regeneration Drug “Osteogrow”: Therapeutic Solution for Lumbar Back Pain” 2017 – 2022 (European Commission, HORIZON 2020 program, Grant Agreement No. 779340) [6.000.000,00 €]
3. BMP6Fe3 - Development of novel antibodies (biologics) that will selectively inhibit hepcidin expression in the liver for the Treatment of Anemia of Chronic Disease 2017 – 2021 (Croatian Science Foundation) [133.000,00 €]
4. Croatian Scientific Centre of Excellence for Regenerative Medicine 2015-2019 (European Union through the European Regional Development Fund) [4.200.000,00 €]
5. "OSTEOGROW - Novel Bone Morphogenetic Protein 6 Biocompatible Carrier Device for Bone Regeneration" 2012 – 2017 (European Commission, FP7 HEALTH program, Grant Agreement No. 279239) [5.683.000,00 €]

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 31
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: associate professor Miroslav Vukić, MD, Phd

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine,
University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Pathophysiology of the brain and CSF

BIOGRAPHY

Miroslav Vukić was born on 20.04.1966 in Karlovac where he attended and gained elementary school education. He has completed secondary school education at the Pedagogical Education Centre in Zagreb, today's V high school. In 1991 he graduated from the Faculty of Medicine in Zagreb and from 1992 until 2002 he was employed at the Clinical Hospital “Sestre milosrdnice” in Zagreb first as a neurosurgical specialist and later from 1999 as a neurosurgeon specialist. From September 2002 until today she has been permanently employed at KBC Zagreb Neurosurgery Clinic. Since 2011, he is the Head of the Institute for Spinal Neurosurgery and Traumatology of the Clinic for Neurosurgery of KBC Zagreb.

The degree of master of science was obtained in 1997, and he became doctor of science in 2002. In 2003 he was elected for the cumulative professor at the Faculty of Medicine, Josip Juraj Strossmayer University of Osijek, and in that same year she became the head of the Neurosurgery Department of Neurosurgery MF Osijek and the holder of the Neurosurgery course, which she is doing today. From 2004-2014, he served as Head of Department for Neurosurgery at the Faculty of Medicine in Osijek, and since September 2014 he is the head of neurosurgical teaching within the Department of Surgery and Neurosurgery of MF Osijek. In 2007 he was elected as an associate professor and in 2011 he was a full professor at the Faculty of Medicine of the University of Osijek. In 2015 he was elected for the title lecturer at MF Zagreb University in Zagreb and in 2019 as a tenured associate professor.

He has been participating in the teaching of students since 1997, first of all for students at the University of Zagreb School of Dental Medicine and since 2002 she has been teaching for students at the Faculty of Medicine, University of Zagreb. From 2003-2012 she participated in the teaching of the Anatomy of the Polytechnic of Zagreb. He published 122 scientific and professional papers, of which 2 were qualified, 19 in CC, 10 in SCI publications, 37 abstracts with international indexing and 54 congressional press releases. He is the author of two books and four textbooks. He was a mentor in two doctoral dissertations and three graduate theses. He has been an independent scientific project funded by the Ministry of Science of Croatia from 2009-2015. He was the coordinator for the Republic of Croatia in two international clinical research projects co-funded by the Soros Foundation and the European Union funds.

Except in Croatia, he has been trained in international neurosurgeon facilities in Europe and the USA, and he has been awarded the International Scholarship of the Congress of American Neurosurgery for 2006. He is a member of the Education Committee at the European Association of Neurosurgical Societies since 2006. Member of the International Committee of the Congress of Neurological Surgeons of America 2006-2011. and from 2009-2013. was a representative of the European Association of Neurosurgeons at the World Association of Neurosurgical Societies. In the period 2013-2017. He is also a member of the Executive Committee of the European Association of Neurosurgeons.

Prof. Vukic was elected as President of the Croatian Neurosurgical Society and the Croatian Association for Medical Examination of the Croatian Medical Association in the period 2013-2017. Deputy Chairman of the Professional Counselor of the Croatian Medical Association. He is engaged in scientific research of the physiology of cerebrospinal fluid, and in the surgical sense a narrow area of interest is his surgery of...
degenerative diseases of the cervical spine, surgery of the skull base, neurocolology and neurotraumatology. From his field he has held several invited lectures at home and abroad, and in 2011 he was also a visiting professor in the United States of America, Birmingham, the Federal State of Alabama in 2011.

He is married and the father of four children. In his spare time he reads historical books, dabbles in entrepreneurship and tries to play golf.

**DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:** 2019

**LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Jurica Vuković, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University of Zagreb School of Medicine, University Hospital Centre Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Liver transplantation in children

BIOGRAPHY
1979 - 84 Faculty of Medicine, University of Zagreb, doctor of medicine
1985 - 86 Postgraduate study in Clinical Pediatrics, MF, University of Zagreb
1989 - 94 specialization from pediatrics at the Pediatric Clinic MF, KBC Zagreb
1990 - 91 Postgraduate Study Pediatric Endocrinology, Diabetes and Metabolism, University of Zagreb
1991 European Summer School of Pediatric Endocrinology, Foehr Island, Germany
1991 Master of Science in Medicine, University of Zagreb
1992 Combined Postgraduate Program in Immunology and Endocrinology, Erasmus University, Rotterdam, Netherlands
1994 Specialist examination, pediatrician
1994 - 2009 Department Physician at the Department of Pediatric MG Rehabilitation Gastroenterology Department
1995. postgraduate course in ultrasound abdominal organs MF in Zagreb, authorized echosonograph
1996 -97 one-year scholarship of the French government for pediatric improvement hepatology, Hopital Bicetre, Paris, France (mentor Prof. Olivier Bernard)
1998 Assistant MF at the Department of Pediatrics
1999 Secretary of the Department of Pediatrics at MF University of Zagreb
1999 secretary of the Croatian Society for Pediatric Gastroenterology, Nutrition and Hepatology
2000 one - month Training at the Department of Transplant Surgery, Childrens Hospital of Pittsburgh
2001 pediatric liver transplant team coordinator for children
2002 doctor of medicine sciences, University of Zagreb
2003 Senior Assistant MF at Pediatric Departments
2004 - 05 East Head of Neonatology and Intensive Care
2004 to 2005 co-supervisor / head of a subject's subject Liver transplantation in children of doctoral postgraduate study in Biomedicine and Health MF, University of Zagreb
2007. assist. professor MF at the Department of Pediatrics
2008. subspecialist pediatric gastroenterologist
2009 Head of the Institute for Gastroenterology, Hepatology and Nutrition
2009 Coordinator of the College of Pediatrics at the English Undergraduate Study
2011 Pediatric Gastroenterology at Postgraduate Specialist
Pediatric MF University of Zagreb
2012. Associate Professor MF at the Department of Pediatrics

2014. leader of the liver transplant team in children licensed by the Ministry of Health of the Republic of Croatia

2017. Head of the Department of Pediatrics at the Faculty of Medicine of the University of Zagreb

In 2017, Head of the Pediatric Clinic of Zagreb University of Zagreb and MF University of Zagreb

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2012

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
- chapters in 4 university course books.
- Five published works in co-authorship with the student.
- Twelve published works in co-authorship with a student who has completed a doctoral degree.
- More than a hundred press releases at scientific conferences, of which about forty are international. Six invited lectures at international conferences.
- Co-editor of 5 publications from the series of Pediatrics conferences today.
- A reviewer of twenty manuscripts for journals (Liječnički vjesnik, Pediatria Croatica, Journal of Inherited Metabolic Diseases, Acta Medica Academica (BiH), Acta Medica Croatica, Fluminensis Medicine)
- Nearly two decades of collaborator in the projects of prof. Emertin M. Dumić.
- Since 2017, the Head of the Foundation for the Project of Cholestatic Disorders in Children.
- For years, research associate and regional expert in the EuroWilson project.
- Collaborative researcher in several international projects and trials (last - Prof. Tribelli Trieste, Italy - prevalence of phenotypic benign non-conjont hyperbilirubinemia in different parts of Europe).

How to measure health?
The inherited metabolic and other monogenic diseases of children
A common molecular basis for the etiopathogenesis of bone disorders in humans
Hepatocellular tumors
Celiac disease in children: primary prevention and pathogenesis of chromosomal instability
Diagnosis and treatment of lymphoma
Longitudinal study on the growth and development of pre-school children in Croatia
Male and female sexual system: development, normal histophysiology and infertility
Endocrine Inheritance In Children
Determinants and early diagnosis of motor neuronal diseases in the Croatian population
Application of the principle of medicine founded on scientific knowledge in the general hospital
Malignant diseases in children

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
How to measure health?
The inherited metabolic and other monogenic diseases of children
A common molecular basis for the etiopathogenesis of bone disorders in humans
Hepatocellular tumors
Celiac disease in children: primary prevention and pathogenesis of chromosomal instability
Diagnosis and treatment of lymphoma
Longitudinal study on the growth and development of pre-school children in Croatia
Male and female sexual system: development, normal histophysiology and infertility
Endocrine Inheritance In Children
Determinants and early diagnosis of motor neuronal diseases in the Croatian population
Application of the principle of medicine founded on scientific knowledge in the general hospital

Malignant diseases in children

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 0
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Professor Mario Vukšić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine University of Zagreb, Croatian Institute for Brain Research (CIBR)

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Synaptic plasticity and mind

BIOGRAPHY

Education/Training
1997: MD degree, School of Medicine University of Zagreb (SMZ)
1998–2000: Postgraduate study Medical Sciences-Biomedicine, SMZ
2002: MSci Thesis, Perinatal development of pyramidal neurons layer IIIC in prefrontal cortex in children with Down syndrome, SMZ
2003–2005: Graduate Program Neural plasticity: Molecules, Structures, Functions, School of Medicine University of Frankfurt, Germany

Positions & Employment
1998–2007: Research Assistant, Croatian Institute for Brain Research (CIBR), SMZ
2001–2002: Research Assistant, Neuroembryonic Research Laboratory, University of Rostock, Germany
2003–2005: Postdoctoral Fellow, Institute of Clinical Neuroanatomy, University of Frankfurt, Germany
2007–2012: Assistant Professor of Neuroscience, CIBR, SM
2008: Head of Laboratory for Confocal Microscopy, CIBR, SMZ
2012: Associate Professor of Neuroscience, CIBR, SMZ
2013-2015: Acting director of CIBR
2015-2017: Deputy director of CIBR
2019: Visiting Professor, Institute of Anatomy, University of Frankfurt, Germany
2019: Full Professor of Neuroscience & Anatomy, CIBR, SMZ

Teaching
1998: Neuroscience, SMZ
1999–2001: Neuroscience, Faculty of Psychology, Croatian Studies, University of Zagreb
2001–2002: Anatomy, Histology and Embryology at the School of Medicine University of Rostock, Germany
2005: Postgraduate study Medical Sciences-Biomedicine, SMZ
2005: Fundamentals of neuroscience, Medical studies in English, SMZ
2007: Neurophysiotherapy, University of Applied Health Studies in Zagreb
2007: PhD Programme in Neuroscience, SMZ
2019: Anatomy, Histology and Embryology at the School of Medicine in Frankfurt, Germany

Other Experience & Professional Memberships
2007: Treasurer of Croatian Society for Neuroscience
2007–2013: Vice-Coordinator of PhD Programme in Neuroscience, SMZ
2009–2013: Head of Centre for Clinical Research in Neuroscience, CIBR
2013: Coordinator of PhD Programme in Neuroscience, SMZ

Scientific interests
Human neuroanatomy, developmental neurobiology, neurobiological basis of mental retardation, human hippocampal development, brain plasticity, dendritic and spine reorganization following injury, dentate gyrus plasticity in rodent brain

Methodology
Immunocytochemistry, neuromorphometry, 3D-reconstruction of neurons using confocal microscopy, stereotaxic neurosurgical operations, neurophysiological techniques (extracellular recordings), transection of the perforant pathway in experimental animals in vivo (entorhinal cortex lesion)

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


*equally contribution


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

2003-2005 Molecular and cellular bases of neuronal reorganizational processes following lesioning of the central nervous system, project leader T. Deller, funded by DFG, Germany

2008-2012 Neuroimaging, neurogenomics and pharmacogenomics of the frontal lobe connectivity: normal development and abnormalities in developmental cognitive disorders, UKF project, project leader I. Kostović, funded by Croatian Ministry for Science and Technology (CMST)

2013-2014 Perinatal reorganization of the human medial (limbic) cortex, project leader M. Vukšić, funded by University of Zagreb

2014-2018 Histological, MRI and gene expression analysis of the reorganizational processes in the medial (limbic) wall of developing human cerebrum, project leader M. Vukšić, funded by Croatian Science Foundation

2017-2019 Analysis of the structural reorganization of hippocampal granule cells dendrites in mouse mutants following entorhinal cortex lesion using the fixed-slice intracellular injection technique, project leader M. Vukšić, bilateral project MZOŠ-DAAD (prof. T. Deller, Goethe University, Frankfurt/Main)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

2013-2014 Perinatal reorganization of the human medial (limbic) cortex, project leader M. Vukšić, funded by University of Zagreb

2014-2018 Histological, MRI and gene expression analysis of the reorganizational processes in the medial (limbic) wall of developing human cerebrum, project leader M. Vukšić, funded by Croatian Science Foundation

2017-2019 Analysis of the structural reorganization of hippocampal granule cells dendrites in mouse mutants following entorhinal cortex lesion using the fixed-slice intracellular injection technique, project leader M. Vukšić, bilateral project MZOŠ-DAAD (prof. T. Deller, Goethe University, Frankfurt/Main)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Renata Zadro, Professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital Center Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Laboratory approach to haematopoietic stem cells transplantation; Methods of molecular biology in medicine

BIOGRAPHY

Head of Hematology and Coagulation Division at Department of Laboratory Diagnostics, University Hospital Center Zagreb, Renata Zadro is specialist in medical biochemistry whose activities at work include implementation of the program of highly differentiated laboratory diagnostics in hematology and coagulation, development of molecular methods for the diagnosis of leukemias, lymphomas and hereditary coagulation disorders and organization and participation in continuous education courses in clinical laboratory diagnostics. She is a Full Prof teaching in undergraduate and postgraduate courses (Hematology, Coagulation, Molecular diagnostics) at Zagreb University Faculty of Pharmacy and Biochemistry and School of Medicine.

Renata Zadro graduated in 1978 at the Zagreb University Faculty of Pharmacy and Biochemistry; Internship at Clinic for Traumatology (1979); Postgraduate study in Medical Biochemistry at the University of Zagreb. Master’s Thesis at Rudjer Bošković Institute (1981); Specialist exam and Ph.D. Thesis in Medical Biochemistry in 1992; Postdoctoral study at University of Texas Health Science Center at San Antonio, Texas, USA (1992-1994); Since 1995 Head of the Hematology and Coagulation Division at Department of Laboratory Diagnostics, University Hospital Center Zagreb. Also, since 1997, Full Professor at Faculty of Pharmacy and Biochemistry, courses Hematology, Immunohematology and Coagulation. Participation and organization of over 50 national and international scientific meetings. Author of 60 scientific papers and 25 chapters in books and textbooks used in university teaching and continuous education. Membership in Croatian Society and Chamber of Medical biochemists, International Society on Thrombosis and Hemostasis, Croatian Society for Hematology, European Leukemia Network and Croatian Cooperative Group for Hematologic Diseases.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 11.10.2106.

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Eterovic D, Titlic M, Cucic V, Zadro R, Primorac D.


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


Expression of COL1A1 in periodontal osteoblasts (University of Texas Health Science Center at San Antonio, Texas, USA – principal investigator Dubravko Pavlin, PhD) 1992-1994.

Biological parameters of cells growth and differentiation in vitro in acute mixed lineage leukemias in adults: importance for classification and biological characteristics of disease, project Ministry of Science, Education and Sport, No. 214006 (principal investigator Professor Drago Batinić) 2002-2006.

Leukemia and stem cell transplantation, project Ministry of Science, Education and Sport, No. 108-1081872-1913 (principal investigator Professor Boris Labar) 2007-2010.

Prothrombotic risk factors in cerebrovascular diseases in children, Ministry of Science, Education and Sport, No. 214212, 2002-2006. (principal investigator)


Gene polymorphisms and ischemic and ischemic stroke in children, Croatian Scientific Foundation, No. 2047 2015-2019. (principal investigator)


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS


Gene polymorphisms and ischemic and ischemic stroke in children, Croatian Scientific Foundation, No. 2047 2015-2019. (principal investigator)


NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Vanja Zjačić Rotkvić, MD, PhD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: retired

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Endocrine tumors of gastrointestinal tract and pancreas

BIOGRAPHY

Education
Faculty of Medicine, University of Zagreb, 1969
Specialist in Internal Medicine since 1976; subspecialist for endocrinology and diabetology since 1995.
Associate Professor since 1993, full professor since 2010.

Work experience
Internship Hospital "Dr. Mladen Stojanovic ", Zagreb 1971.
Department of Endocrinology, Diabetes and Metabolism, Department of Internal Diseases Hospital "Sisters of Charity", Zagreb 1971-
Member of the Department of Internal Medicine, School of Medicine, University of Zagreb since 1980, Associate Professor since 1993, full professor since 2010

Research activities
MA-1971, Faculty of Medicine, University of Zagreb
PhD thesis 1984 Faculty of Medicine, University of Zagreb

Publications
More than 200 scientific articles published in CC and other secondary publications

Personal data
Born in Zagreb, 1946. Mother of a daughter and son.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2010

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

1
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Zoran Zorica

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Croatian Institute for Emergency Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Telemedicine

BIOGRAPHY

My name is Zoran Zorica. I was born on August 30, 1984 in Zagreb. I graduated from primary and secondary school in Zagreb. After finishing secondary school I enrolled undergraduate studies at the Zagreb University of Applied Sciences with major in IT. During my studies I worked on various IT jobs involving companies such as INA and VIP. After finishing my undergraduate studies I continued my graduate studies at the same university. During the course of the graduate study, or more precisely in 2009, I became employee of the Croatian Institute of Telemedicine where I work today. The graduate study ends in 2011 and I gained a title as Master of Information Technology. I am appointed Assistant Director for IT Affairs of the Croatian Institute of Telemedicine in 2012. During the work at the Institute, I am improving in the field of IT technology with special emphasis on telemedicine technologies applicable in the health system of the Republic of Croatia. To date, we have established a network of telemedicine centers that now has over 130 centers in more than 60 healthcare institutions. The number of telemedicine services performed through the telemedicine network has reached 35000 services annually. Also, I have given lectures at national and international conferences, where I have presented the telemedicine system of the Republic of Croatia. I also participated in several EU healthcare projects related to telemedicine. During all 10 years at the Institute my daily work involves the design and implementation of a network of telemedicine centers. I am responsible for IT jobs, as well as for the organization and education of healthcare workers in the use of telemedicine services, including daily communication with healthcare providers, healthcare workers and 24/7 support for the day-to-day telemedicine services in the Croatian health system.

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK:

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1. "Implementation of telemedicine into Croatian healthcare system", NeurNet – Care management network for patients with pharmacoresistant epilepsy and patients with late stage Parkinson’s disease, Zadar, Croatia, 2018


3. "Teleradiology and telemedicine possibilities in Croatia", International Workshop on the Mobility of Patients at Cross Border Level between EU and non-EU Countries, Mali Lošinj, Croatia, 2015

5. "Croatian Institute of Telemedicine - the increase of the availability of specialized health services", ICT & Bio-Medical Technologies in HEALTH TOURISM, Mali Lošinj, Croatia, 2015


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

1. "Implementation of telemedicine into Croatian healthcare system", NeurNet – Care management network for patients with pharmaco-resistant epilepsy and patients with late stage Parkinson's disease, Zadar, Croatia, 2018


3. "Teleradiology and telemedicine possibilities in Croatia", International Workshop on the Mobility of Patients at Cross Border Level between EU and non-EU Countries, Mali Lošinj, Croatia, 2015


5. "Croatian Institute of Telemedicine - the increase of the availability of specialized health services", ICT & Bio-Medical Technologies in HEALTH TOURISM, Mali Lošinj, Croatia, 2015
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Prof. Dr. Neven Žarković

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Ruđer Bošković Institute

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Experimental oncology: Cancer as persistent oxidative stress

BIOGRAPHY

Education/Titles:
- M.D. - Medical Faculty, Zagreb - 1984
- M.Sc. - Faculty of Natural Sciences, Zagreb - 1986
- Ph.D. - University in Zagreb - 1989

Employment and Positions:
1984 - M.D. - Medical Faculty, Zagreb
1984/85 - Inner practice at the Clinical Hospital Centre, Zagreb
Since 1985 - Rudjer Boskovic Institute (RBI)
1986 - M.Sc. - Faculty of Natural Sciences, Zagreb
1986 - assistant 1989 - Ph.D. - University in Zagreb
1989 - senior assistant
1992/94 - postdoctoral fellowship at the Institute of Biochemistry of the University in Graz, Austria
1993 - research associate (assistant professor)
Since 1994 – permanent guest scientist at the Institute of Biochemistry of the University in Graz, Austria
1996 – associate researcher at the University Department of Neuropathology, Clinical Hospital Centre, Zagreb
1997 - senior research associate (associate professor) RBI
1998 - affiliate teacher Medical faculty, Zagreb
2000 - affiliate teacher Faculty of Natural Sciences and Mathematics, Zagreb
2001 - head of Laboratory for Oxidative Stress RBI
2002 - senior scientist (full professor) RBI
2003/2004 - associate director for science RBI
2003 - RBI associate project co-ordinator for the co-operation with the World Bank
2003. - Initiator and author of the agreement on postgraduate studies between RBI and the Medical Faculty
2003 – Ph.D. study co-ordinator of the “Molecular Medicine” field of study within the Ph.D. study program "Medicine and public health" at the Medical Faculty in Zagreb
2003 - course convenor of the postgraduate course: "Project Management in Science" at the Medical Faculty in Zagreb
2004 - author of the agreement on postgraduate studies between RBI and Dubrovnik University
2004 - author of the agreement on graduate studies between RBI and the College for Business and Management "Baltazar Adam Krcelic", Zapresic, Zagreb

2004 - co-author of the co-operation agreement between RBI and Brodarski Institute

2004/2005 - Advisor to the acting director general of RBI

2005 – Counsellor for the international affairs at RBI

2005 - Affiliate lecturer at the College for Business and Management "Baltazar Adam Krcelic", Zapresic, Zagreb

2005 – Study director of the M.Sc. studies in Project Management, joint study of the Rudjer Boskovic Institute and the College for Business and Management "Baltazar Adam Krcelic", Zapresic, Zagreb

2006 – Study director for the Ph.D. studies in Molecular Biosciences (University of Osijek, University of Dubrovnik and Rudjer Boskovic Institute)

2006 – Chairman of the COST (European Cooperation in Science and Technical Research) Action B35 «Lipid Peroxidation Associated Disorders»

2006 - COST expert for Molecular Sciences - Domain Committee Biomedicine & Molecular Biosciences

2006 - National delegate to the COST Domain Committee Chemistry and Molecular Sciences and Technologies

2006 – Vice-chair of the Ph.D. Study Council in Biology of Neoplasms

2007 - Permanent position of the Senior Scientist at the Rudjer Boskovic Institute

- 2008. – National representative and the Board member of the European Association of Research and Technological Organisations (EARTO)

- 2008 – Co-founder and director of the Company „Ideje i projekti“ d.o.o.

- 2009 - Vice-chair of the Interdisciplinary Ph.D. Study Council, University of Osijek

- 2009 – College Professor of Economy (Administration & Management)

- 2013 - Affiliate Professor University for Applied Sciences Technikum Wien

- 2013 - Affiliate Professor at the PhD Study program of Management Faculty of Economy University of Osijek

- 2013 - Visiting Professor at the University of Bialystok

- 2014 - Associate Professor of Biology and Medicine, University of Osijek

- 2014 - Member of the European Knight's Order of St. George

- 2017 – Coordinator of the Offest Project CRO-A-00033

- 2017 – Member of the Royal Society of Medicine (Overseas Fellow)

Projects:

- Principal investigator or project co-ordinator of 43 international and national projects


- Project reviewer for the: Ministry of Science, Education and Sports; Association for the International Research in Cancer (AICR); Cancer Research UK Project Grant Applications; Slovenian Research Agency; Ministry of Education of the Slovak Republic and of the Slovak Academy of Sciences; EC/COST; World
Cancer Research Fund International, European Science Foundation (ESF); European Space Agency (ESA); Grant Agency, Academy of Sciences of the Czech Republic, Hungarian Scientific Research Fund (OTKA), French National Research Agency, Foundation for Polish Science, Irish Research Council for Science, Engineering and Technology, COMUE - Université de Toulouse; Italian Ministry of Education, University and Research; Agence Nationale de la Recherche (ANR) France; Chilean National Science and Technology Commission; National Science Centre (Narodowe Centrum Nauki) Krakow; Der Wissenschaftsfonds (FWF) Austria; Latvian Science Council; Istituto Pasteur Italia - Fondazione Cenci Bolognetti; Natural Sciences and Engineering Research Council of Canada (NSERC)

Awards and acknowledgements:
- Sergey Saltikow Award for the best annual work in pathology – 1984
- Young Investigator Award, 10th European Immunology Congress, Edinburgh, Scotland, 10-12 September 1990
- Postdoctoral Fellowship – Austrian Science Foundation 1992
- Lise Meitner Fellowship Award – FWF – 1993, 1994
- International Leadership Award - American Biographical Institute - 1996
- Member of the Research Board of Advisers of the American Biographical Institute - since 1997
- Chairman of the Scientific Session of the Croatian-Austrian Society - since 1997, President of the Society since 2012
- Member of the Editorial Board of Acta Neurologia Croatica
- Member of the Editorial Board of Hungarian Medical Journal
- Member of the Advisory Board of Türkiye Klinikleri Journal of Medical Sciences
- Co-Editor in Chief of the Clinical and Experimental Medicine Journal
- Member of the Editorial Board of the Nursing Journal
- Member of the Editorial Board of the journal Cells
- Member of the Editorial Board of the journal Antioxidants
- Guest Editor of the journals: Free Radical Biology and Medicine, Oxidative Stress and Cellular Longevity; Antioxidants, Cells
- President and a Member of the Steering Committee of the HNE-Club (International Society for Free Radicals Research) – since 2000
- Medal of the College of Business and Administration
- Award of the City of Zapresic 2007
- National award for excellence in scientific achievements 2007
- Emblem of the City of Zapresic 2009


Memberships: Croatian Biophysical Society, Croatian Immunological Society, European Association for Cancer Research (EACR), American Association for the Advancement of Science (AAAS), The New York Academy of Sciences (NYAS), Society for Free Radical Research Europe (SFFR);

Publications (until December 2017): Conference abstracts + 252 research articles (published or in press), > 4300 citations (Scopus, WoS), > 6000 (Google Scholar)

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 29/11/2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Papers selected from those published in the last 10 years only:


Ana Cipak-Gasparovic; Lidija Milkovic; Suzana Borovic-Sunjic; Neven Zarkovic (2017) Cancer Growth Regulation by 4-Hydroxynonenal Article Type. Free Radic Biol Med, 111: 226-234


Višnja Stepanić, Ana Čipak Gašparović, Koraljka Gall Trošelj, Dragan Amić, Neven Žarković (2015) Selected attributes of polyphenols in targeting oxidative stress in cancer. Current topics in Medicinal Chemistry. 15: 496-509

Lidija Milkovic, Ana Cipak Gasparovic, Neven Zarkovic (2015) Overview on major lipid peroxidation bioactive factor 4-hydroxynonenal as pluripotent growth regulating factor. Free Radical Research, 49: 850-860


Anne Negre-Salvayre, Nathalie Auge, Victoria Ayala, Huveyda Basaga, Jordi Boada, Rainer Brenke, Sarah Chapple, Guy Cohen, Janos Feher, Tilman Grune, Gabriella Lengyel, Giovanni E. Mann, Reinald Pamplona,


Gordana Jurić-Sekhar, Kamelija Žarković, Georg Waeg, Ana Čipak, Neven Žarković (2009) Distribution of 4-Hydroxynonal-Protein Conjugates as a Marker of Lipid Peroxidation and Parameter of Malignancy in Astrocytic and Ependymal Tumors of the Brain, Tumori, 95:762-768


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


Višnja Stepanić, Ana Čipak Gašparović, Koraljka Gall Trošelj, Dragan Amić, Neven Žarković (2015) Selected attributes of polyphenols in targeting oxidative stress in cancer. Current topics in medicinal chemistry.15: 496-509

Lidija Milkovic, Ana Cipak Gasparovic, Neven Zarkovic (2015) Overview on major lipid peroxidation bioactive factor 4-hydroxynonenal as pluripotent growth regulating factor. Free Radical Research,49: 850-860


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

- Oksidativni stres i zloćudne bolesti (00981113)
- Morfološke i funkcionalne osobine adenoma hipofize (3-103-030)
- Endokrini i parakrini mehanizmi u patogenezi tumora hipofize (108116)
- Lipidi, slobodni radikali i njihovi glasnici u integrativnoj onkologiji
- Oksidacijski stres i tumori središnjeg živčanog sustava
- The role of reactive aldehydes and tumor basic protein in tumor growth control - "Lise Meitner" research grant
- Effects of the Lipid Peroxidation Product 4-Hydroxynonenal on Primary Hepatocytes
- Lipid Peroxidation Associated Disorders LPO – COST B35
- Chemistry of non-enzymatic protein modification - modulation of protein structure and function
- EU-ROS
- Strengthening the research and innovative capacities of the Latvian Institute of Organic Synthesis, the leading Baltic regional centre for drug discovery (InnovaBalt)
- Horizon 2020 Framework Programme — BIOXYARN
- Technology & Know-how Transfer in Metabolomics and establishment of latest scientific equipment in Zagreb – CROA_A-00033

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**
Pathophysiology of oxidative stress and lipid peroxidation in atherosclerosis and cancer - experimental integrative biomedical treatments by natural substances affecting 4-hydroxy-2-nonenal (HNE) bioactivities

Strengthening the research and innovative capacities of the Latvian Institute of Organic Synthesis, the leading Baltic regional centre for drug discovery (InnovaBalt)

Horizon 2020 Framework Programme — BIOXYARN

Technology & Know-how Transfer in Metabolomics and establishment of latest scientific equipment in Zagreb – CROA_A-00033

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

7
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Associate Professor Rado Žic

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital "Dubrava", Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Hand Surgery, Microvascular tissue transfer

BIOGRAPHY

Contact information

Address: Trg. I Mažuranića 8
tel.: 00 385 98 418771
E-mail: rado.zic@zg.htnet.hr
Date and place of birth: 24.04.1966, Zagreb, Croatia

Education

1980-1983 Gymnasium Maribor, Slovenia
1983-1984 San Dieguito High School, San Diego, California, USA (Graduated with honors)
1984-1989 School of Medicine, University of Zagreb, Croatia
1989-1990 Internship University hospital "Rebro" Zagreb, Croatia
1992-1996 General Surgery Training Department of Surgery, University Hospital "Rebro" Zagreb, Croatia
Plastic Surgery Training:
11/1996 - 10/1998 Plastic and Reconstructive surgery unit, Department of Surgery, University Hospital "Zagreb" Zagreb, Croatia
11/1998 - 10/1999 Plastic and Reconstructive surgery, Department of Surgery, University Hospital "Dubrava" Zagreb, Croatia
11/1999 - 10/2000 Plastic Surgery Unit , Queen Victoria Hospital, East Grinstead, England
11/2000 - 05/2003 Plastic and Reconstructive surgery, Department of Surgery, University Hospital "Dubrava" Zagreb, Croatia

Work experience

2011- present Chief of Unit for Hand and Reconstructive surgery, Department of Plastic, Reconstructive and Aesthetic Surgery, University Hospital "Dubrava" Zagreb, Croatia
11/2000- 2011 Department of Plastic and Reconstructive and Aesthetic Surgery University Hospital "Dubrava" Zagreb, Croatia
11/1999 - 10/2000 Plastic Surgery Unit , Queen Victoria Hospital, East Grinstead, Great Britain
10/1998 - 10/1999 Plastic and Reconstructive Surgery Unit, Department of Surgery,
University Hospital "Dubrava" Zagreb, Croatia
11/1996 - 10/1998  Plastic and Reconstructive Surgery Unit, Department of Surgery,
University Hospital "Rebro" Zagreb, Croatia
6/1992 - 11/1996  Department of Surgery, University Hospital "Rebro" Zagreb, Croatia
9/1989 - 6/1992   Department of Anatomy, School of Medicine, University of Zagreb
9/1989 - 10/1990  Internship University Hospital "Rebro" Zagreb, Croatia
1991 - 1995  Six months experience in war surgery in War Hospitals in Croatia and Bosnia and Herzegovina

POSTGRADUATE STUDIES AND DEGREES:
1989-1992  Biomedicine, School of medicine, University of Zagreb
1995 Ph.D. in medical sciences
2002 Scientific title: Science fellow
2005 Scientific title: Science advisor (highest possible scientific title in Croatia)
2001 Academic title: Senior assistant School of Medicine University of Zagreb
2005 Academic title: Assistant Professor School of Medicine University of Zagreb
2012 Academic title Associate Professor School of Medicine University of Zagreb

Memberships
1996- present Member of the Croatian Society of Plastic, Reconstructive and Aesthetic Surgery
2000-present  Member of the Croatian Senologic Society
2001- present Delegate of the Croatian Society of Plastic, Reconstructive and Aesthetic Surgery to the EBOPRAS and UMSE
2002 Vice-president of Croatian Society of Plastic, Reconstructive and Aesthetic Surgery
2004 Reelected Vice-president of Croatian Society of Plastic, Reconstructive and Aesthetic Surgery
2006- present  Member of the Pyrenean Club of Plastic Surgery
2008- present Member of ISAPS (International Society of Aesthetic Plastic Surgery
2008- present Corresponding member of ASPS (American Society of Plastic Surgery)
2008 Reelected Vice-president of Croatian Society of Plastic, Reconstructive and Aesthetic Surgery until 2012
2009 Secretary General of ESPRAS (European Society of Plastic, Reconstructive and Aesthetic Surgery)
2010 Chairmen of Accreditation committee of EBOPRAS (European Board of Plastic, Reconstructive and Aesthetic Surgery)
2012 President of Croatian Society of Plastic, Reconstructive and Aesthetic Surgery
2014 Secretary General of ESPRAS (European Society of Plastic, Reconstructive and Aesthetic Surgery) until 2018

2014 Reelected Chairman of Accreditation committee of EBOPRAS (European Board of Plastic, Reconstructive and Aesthetic Surgery)

2015 Member of the editorial board of European Journal of Plastic Surgery

2017 Reelected President of the Croatian Society of Plastic, Reconstructive and Aesthetic Surgery

2018 Member of the Editorial board of Turkish Journal of Plastic Surgery

2018 President of ESPRAS (European Society of Plastic, Reconstructive and Aesthetic Surgery)

Personal information

Married, two children

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2012

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


7) Bone Cancer in the Lower Limb. Rado Žic e-LPRAS session British Association of Plastic, Reconstructive and Aesthetic Surgeons BAPRAS (in final stage before E publication)

8) Techniques for Revascularisation and Replantation of the Hand, Forearm and Arm. Ahmed Tarek Emam, Rado Žic e-LPRAS session British Association of Plastic, Reconstructive and Aesthetic Surgeons BAPRAS (in final stage before E publication)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

1985-present Laboratory for Calcified Tissue Research under the mentorship of Prof. dr. S. Vukičević

1989-1998 research fellow in the scientific project on BMP-s chaired by Prof. S. Vukicevic MD PhD and funded by the Ministry of Science, of Republic of Croatia

2000-2008 research fellow on the scientific project: surgery of peripheral nerves chaired by Prof. Z. Stanec MD PhD and funded by the Ministry of Science, of Republic of Croatia

2002-2008 Chairman of Scientific project: Prefabrication of tissues in Plastic Surgery

2017-present Co-chairman of the Scientific project in Breast Cancer Diagnosis and Treatment funded by the Ministry of Science, of Republic of Croatia

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Research project of Hrvatske zaklade za znanost-HRZZ-IP-06-2997 Sonoelastografia i magnet rezonanci in diagnostics and treatment of breast cancer (EL-MR-BREAST)

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE

2
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assist. Prof. Snježana Židovec Lepej, MD, PhD, research advisor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: University Hospital for Infectious Diseases "Dr. Fran Mihaljević", Zagreb

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Viral hepatitis

BIOGRAPHY

Name and surname: Snježana Židovec Lepej

Date/Place of birth: January 11th, 1971, Zagreb, Croatia

Scientific number: 228 211

Research and teaching rank: associate professor (Faculty of Science, University of Zagreb, December 20th 2016)

Research rank: scientific advisor (University of Zagreb School of Medicine, February 2nd 2012)

Education:

2000-2003, PhD in Natural Sciences (Biology), Faculty of Science, University of Zagreb, Croatia (Thesis title: The effect of highly active antiretroviral therapy on T-cell markers in persons infected with human immunodeficiency virus, mentor Prof. Josip Begovac, MD, PhD, thesis defended on September 10th 2003)

1994-1997, Master of Science, Biomedicine, Faculty of Science, University of Zagreb,

1989-1993, graduate studies in Biology (molecular biology), Faculty of Science, University of Zagreb

Employment:

2006- Head of Department of Immunological and Molecular Diagnostics, University Hospital for Infectious Diseases „Dr. F. Mihaljević“, Zagreb, Croatia

1998-2006 Head of Laboratory for Flow Cytometry, University Hospital for Infectious Diseases „Dr. F. Mihaljević“, Zagreb, Croatia

1993-1998 Head of Interferon Department, Institute of Immunology, Inc., Zagreb

Additional selected professional activities (current):

- member of the Committee for the postgraduate studies, Department of Biology, Faculty of Science, University of Zagreb

- Deputy Head of the Croatian Reference Center for Diagnostics and Treatment of Viral Hepatitis, Ministry of Health, Republic of Croatia and an associate of the Croatian Reference Center for Diagnostics and Treatment of HIV/AIDS

- Expert in accreditation procedures for clinical laboratories for the Croatian Accreditation Agency, areas: immunology and molecular diagnostics

Scientific publications:

90 scientific papers (55 papers in journals cited in the Current Contents, 5 papers in Science Citation Index journals, 5 papers in Medline journals, 13 papers in journals cited in Scopus/Embase)

Number of citations: 824
Author’s h-index: 14

Membership of Editorial board in scientific journals:
Molecular and Experimental Biology in Medicine, member of the Editorial board

Selected memberships in professional societies:
National

- Croatian Society of Biologists in Health (member of the Board, since 2014)
- Croatian Society of Biologists (member, since 2002)
- Croatian Medical Chamber (since 2009, associate member)
- Croatian Society for Infectious Diseases (member, since 2009)
- Croatian Society for travel, tropical and migration medicine (member, since 2014)
- Croatian Society for biosafety and bioprotection

International

- European Society for Clinical Microbiology and Infectious Disease (member of the Educational Committee, od 2016)
- European Society for Antiviral Research (Council member for Croatia, od 2010.g.)

Awards:
The award „Dr. Ante Šercer“ of the Croatian Academy of Medical Sciences for the best national scientific paper in medicine published in 2007

Teaching (course coordinator)
Postgraduate specialist studies in infectious diseases, University of Zagreb School of Medicine, Course title: Diagnostics of human infectious diseases, course coordinator since 2008

Teaching (lecturer)
- graduate studies in medicine (in English), University of Zagreb, School of Medicine, MD in English
- graduate studies in biology, Faculty of Science, University of Zagreb, Courses: Molecular diagnostics, Research methods in molecular biology
- graduate studies in medical biochemistry and pharmacy, Faculty of Pharmacy and Biochemistry, University of Zagreb, course title: Viruses
- postgraduate specialist studies in infectious diseases, University of Zagreb School of Medicine
- postgraduate specialist studies in medical microbiology with parasitology, University of Zagreb School of Medicine
- postgraduate PhD (doctoral) studies in biomedicine and health, course title „Viral hepatitis“, University of Zagreb School of Medicine

Memberships in organising and scientific boards of scientific meetings (since 2016)
- 2st South-East European Conference on Travel, Tropical, Migration Medicine & HIV, 4.-7.4.2019., Dubrovnik, member of the scientific board
- 1st South-East European Conference on Travel, Tropical, Migration Medicine & HIV, 28th September 28-1st October, 2017, Dubrovnik, member of the scientific board

- The 8th National HIV/AIDS Congress and 3rd Central European HIV Forum, Sibiu, 5-7th May 2016, member of the scientific board

- 5th Croatian Congress of Clinical Cytology, 2nd Croatian Symposium of Analytical Cytology and 3rd Croatian Symposium of Cytotechnology. 21.-23.04.2016, Opatija, member of the scientific board (for Analytical Cytology)

- 8. Hrvatski kongres o urogenitalnim i spolno prenosivim infekcijama s međunarodnim sudjelovanjem, 13.-15.05.2016., Opatija, članica organizacijskog odbora

Abstract reviewer for international scientific meetings (since 2016.g.)

- 26th European Conference on Clinical Microbiology and Infectious Diseases ECCMID April 6th-9th 2016, Amsterdam

- 27th ECCMID April 22nd-25th 2017, Vienna

- 28th ECCMID April 21th-24th 2018, Madrid

- 29th ECCMID 2019, April 13th-16th 2019, Amsterdam

Grant reviewer:

- reviewer of grant proposals for the Ministry of Science, Education and Sports R. of Croatia (2006.g.), Slovenian Research Agency (2014.g.), The Romanian National Authority for Scientific Research and Innovation RUTE (2015.g.), and Croatian Science Foundation for periodic grant reviews, 2015-2018.g.

- reviewer for the European Society for Clinical Microbiology and Infectious Diseases ESCMID research grants (2014 and 2018)

PhD mentorships:

Ivana Grgić (2012), Faculty of Science, University of Zagreb, Croatia, Thesis title: «Primary resistance of human immunodeficiency virus type 1 to antiretroviral drugs»

Ana Planinić (2014), Faculty of Science, University of Zagreb, Croatia, Thesis title: «Mutations associated with resistance of human immunodeficiency virus type 1 to antiretroviral drugs».

Lana Gorenec (2015) Faculty of Science, University of Zagreb, Croatia, Thesis title: «Cytokines in human immunodeficiency virus infection»

Anamarija Čavčić (2015) University of Zagreb School of Medicine, Thesis title: «The role of chemokines in the pathogenesis of enteroviral aseptic meningitis» (mentor Goran Tešović, co-mentor S. Židovec Lepej)

Lorna Stemberger Marić (2017) University of Zagreb School of Medicine, Thesis title: «Chemokines CXCL10, CXCL11 and CXCL13 in aseptic meningitis, neuroborreliosis and acute disseminated encephalomyelitis in children» (mentor Goran Tešović, co-mentor S. Židovec Lepej)


Associate professor, Faculty of Science, University of Zagreb

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Current Content papers


Medline papers


EMBASE / Scopus papers


Other papers

LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

Current Content papers


Science Citation Index Expanded papers

EMBASE / Scopus papers


Other papers
1. Židovec Lepej S, Škerk V. X hrvatski kongres o urogenitalnim i spolno prenosivim infekcijama. MEDIX 2018;24:61-66.


University of Zagreb School of Medicine
PROPOSAL OF DOCTORAL PROGRAMME „Biomedicine and Health Sciences”

(member of the European LGV collaboration group)


5. Židovec Lepej S, Vince A. Molekularna dijagnostika u eri liječenja hepatitisa C novim lijekovima. 2016 Medix, god. 22, broj 121, 141-147


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

Project title: “Strengthening the capacity of CerVirVac for research in virus immunology and vaccinology”, KK.01.1.1.01.0006, awarded to the Scientific Centre of Excellence for Virus Immunology and Vaccines and co-financed by the European Regional Development Fund, project period: 2017-2022, funding: Ministry of Science, R. of Croatia and European Regional Development Fund, researcher

Project title: Infectomics study of human liver non-parenhymal cells in chronic hepatitis C, project period: 2014-2019, Funding by the Croatian Science Foundation, researcher

Project title: Immunopathogenesis of hepatitis B and C (project code 143-0000000-0117), project period: 2007-2013, Funding by the Croatian Ministry of Science, researcher

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Project title: “Strengthening the capacity of CerVirVac for research in virus immunology and vaccinology”, KK.01.1.1.01.0006, awarded to the Scientific Centre of Excellence for Virus Immunology and Vaccines and co-financed by the European Regional Development Fund, project period: 2017-2022, funding: Ministry of Science, R. of Croatia and European Regional Development Fund, researcher

Project title: Molecular, epidemiological and clinical features of HIV infection in Croatia, project period: 2015-2019, Funding by the Croatian Science Foundation, researcher

Project title: Infectomics study of human liver non-parenhymal cells in chronic hepatitis C, project period: 2014-2019, Funding by the Croatian Science Foundation, researcher

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE: 5
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: prof. dr. sc. Mirza Žižak, MD, associate professor

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: School of Medicine

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Reproduction and work place, Telemedicine

BIOGRAPHY

I am associate professor at the Department of Physiology and Immunology and Head of e-Learning Office, School of Medicine University of Zagreb (MEF). Area of my scientific interest are the transport processes through the cell membrane especially the structure, function and regulation of the Na+/H+ transport through the cell membrane. I am the holder of the Fogarty scholarship for postdoctoral research at The Johns Hopkins University (JHU). I have had postdoctoral training at JHU and UCLA (1995-98.). I won several international awards for the best paper at scientific congresses (GRG/AGA Travel Award for the one of the 10 best papers at DDW, San Diego (2000); Poster of distinction at DDW, Orlando (2003.); awarded abstract at DDW, Chicago (2011.)). I was head of FIRCA (Fogarty International Collaborative Award project (2001. -2004) and several national projects. Over the last 15 years, I have been on a number of occasions visiting scientists at The Johns Hopkins University, Gastroenterology Division, Baltimore, USA. For the last 12 year I am active in the implementation and integration of ICT in medical studies. Since 2001st I am editor of a website STUDMEF which is part of the of School of Medicine web portal. From 2001.-03. I lead the e-project of the Ministry of Science and Technology entitled "Interactive Physiology: Biological membranes and signal transduction" which was base for creating the simulation program for learning the functions of biological membranes and signal transduction. 2003rd I mentored a group of students who won the Rector's Award. With group of the medical students I created an interactive simulation program entitled "PROSIG –interactive simulation program for learning membrane potential". Since 2004th this program has been used in the teaching of physiology and/or neuroscience at four School of Medicine in the Croatia and School of medicine in Mostar, BIH. Since 2006th I am editor for multimedia in the Croatian Medical Journal (CMJ). From 2007.-2009th I was a member of the University Committee for developing e-learning strategy at our University of Zagreb. Since 2007th I have been the president of the School of Medicine committee for developing e-learning. 2008th I accomplished the CARNet’s online e-course for e-mentors. I was initiator for establishing Coordination of four biomedical Faculty at University of Zagreb (School of dentistry, School of Pharmacy, School of Veterinary medicine and School of Medicine) that cooperate on developing and implementing e-learning in education. Since 2008th I have been head of an e-elective course "Membrane potential". 2012th our e-course was awarded as the best e-course at the University of Zagreb. Since 2008, I am the Head of the E-Learning Office that coordinates the work and development of all four LMS systems within the School of Medicine. Within the framework of the further development of e-learning and telemedicine at the School of Medicine and other related Faculties within the University of Zagreb, I have organized and conducted over 30 courses for teachers to apply e-learning in their teaching process.


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME
2000. - the head of a three-year international collaboration project "Fogarty International Research Collaboration Award" (FIRCA) in which investigations on cell cultures and exchange of Na/H through cell membranes were carried out.
2000. - head of the IT project of the Ministry of Science and Technology (MZT) under the title "Interactive Physiology: Biological Membranes and Signal Transmission". Based on the project result we developed an interactive simulation program "PROSIG" for learning the cell membrane potential that is now used in teaching physiology and neuroscience on four School of Medicine.
2002. - head of the three-year MZT project titled "Membrane Topology of Epithelial Na/H Exchanger NHE3",
2006. - head of a four-year scientific project of the MZOŠ entitled "Regulation of the Na/H Exchanger isoform 3 (NHE3) mediated by CaM Kinaza II".

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS
2016. a collaborator on the project „Molekularni mehanizmi protektivnog učinka proupalnih čimbenika u apoptotičkom oštećenju jetara“ which had University grant for 2016.
2017. a collaborator on the project „Uloga STAT3 signalnog puta u protektivnom učinku imunosnih mediatora na apoptozu hepatocita izazvanu aktivacijom Fas receptora u miševa“ which had University grant for 2017.
2018. a collaborator on the project „Uloga Notch signalnog puta u patogenezi jetrene fibroze“ which had University grant for 2018.
2018. a collaborator on the two-year international education project "Internationalization of Higher Education" funded by the European Social Fund.

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE
ORDINAL NUMBER:

FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Assistant Professor RENATA ŽUNEC, PHD

NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: UNIVERSITY HOSPITAL CENTRE ZAGREB

NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: THE ROLE OF IMMUNOGENETICS IN TRANSPLANTATION

BIOGRAPHY

Born 22.09.1960., Zagreb

Education:
1984 PMF-Zagreb dipl.ing. experimental biology;
1994 PMF-Zagreb MSc;
1998 PMF-Zagreb PhD;
2006. Medicinski fakultet, Zagreb znanstveno zvanje: znanstveni savjetnik u zn.području biomedicine i zdravstva-polje kliničke medicinske znanosti;
2010 naslovno znanstveno nastavno zvanje docenta na Medicinskom fakultetu u Osijeku

Work:
1984 – KBC Zagreb, Tissue Typing centre
2009 – Tissue Typing director

Usavršavanja:
1985-1986 Human Polymorphism Study Center, Paris;
1992 Institut für Immunologie der Universität Munchen;
2001-2002 Uppsala University, Rudbeck Laboratories, Dept. of Genetics and Pathology;

Membership:
European Federation of Immunogenetics, Croatian Immunology Society, Croatian Genetic Society (secretary 1987-1989), Croatian Society of Biologist in Healthcare (vice-president), Croatian Society of Nephrology, Dialysis and Transplantation (Board member). Eurotransplant Tissue Typing Advisory Committee (Croatian representative) i Ministry of Health – member of National Committee for Transplantation


LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS


LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME

“Immunomolecular studies of the histocompatibility complex HLA” (No: 0108123)

“Studies of microsatellites within the Major Histocompatibility Complex region ” (No: 214-0000000-3354)

LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS

Frequency, pathogenic characteristics and clinical significance of donor-specific HLA and non-HLA antibodies in kidney transplant recipientsIP-2018-01-4737

NUMBER OF SUCCESSFUL MENTORSHIPS THAT RESULTED IN DISSERTATION DEFENCE 3
ORDINAL NUMBER:
FIRST NAME, LAST NAME, AND TITLE OF THE TEACHER: Tomislav Župić , MD,PhD, assistant professor
NAME OF INSTITUTION OF EMPLOYMENT OF THE TEACHER: Department for Gynecology and Obstetrics
Medical School University of Zagreb
NAME OF COURSE/MODULE THAT HE/SHE TEACHES AT THIS DOCTORAL STUDY: Diagnostics and treatment of female urinary incontinence
BIOGRAPHY
Date and place of birth    September 16, 1959 Split
Education:
School of Medicine University of Zagreb  1978 – 1984
1989-1993  Clinical hospital centre Zagreb / Department of Obstetrics and Gynaecology - specialization in gynaecology and obstetrics
1995- present Gyn Obstet specialist in Department for Gynecology and Obstetrics Medical School University of Zagreb
Postgraduate study Perinatology and neonatology, Medical School University of Zagreb 1990 – 1992
Master degree: 2000
PhD degree 2011
Subspecialist of urogynecology  2012
Assistant professor Medical School University of Zagreb 2017
2011 – present – Head of Unit for transvaginal surgery Department for Gynecology and Obstetrics
Medical School University of Zagreb
2014- present Head of Department for gynaecological surgery and urology Clinical Hospital Centre Zagreb
Professional education:
VIII international course of gynaecological endoscopic surgery ,Ljubljana/Villach 2001.
SPARC Sling System Workshop, Universitätsklinik für Urologie, Graz, Austria 2001.
The role of colposcopy in early detection and prevention of cervical intraepithelial lesions, Zagreb 2001
Deep infiltrating endometriosis, Bled, Slovenia 2002.
APOGEE and PERIGEE Workshop, Conegliano Clinic, Italy 2005.
Painless vaginal hysterectomy using the ERBE BiClamp, Universitäts – Frauenklinik Tübingen, Deutschland 2006.
Membership in professional association:
Croatian Medical Chamber
Croatian Society for Gnecology and Obstetrics
Croatian Society for Urogynecology
Croatian Society for Gynecological Endoscopic Surgery
Croatian Society for perinatal medicine
Croatian Society for colposcopy and cervical diseases- vice president

DATE OF LAST APPOINTMENT TO A RESEARCH-AND-TEACHING OR ART-AND-TEACHING RANK: 2017

LIST OF PUBLISHED WORK WHICH QUALIFY HIM/HER FOR IMPLEMENTATION OF THE PROGRAMME, THAT IS, WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME


**LIST OF PUBLISHED WORK IN THE LAST FIVE YEARS**


**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED AND WHICH ARE RELEVANT FOR THE FIELD OF THE DOCTORAL PROGRAMME**

**LIST OF SCIENTIFIC AND ARTISTIC PROJECTS IN WHICH HE OR SHE PARTICIPATED IN THE LAST FIVE YEARS**

„Multicentre Randomised Survival Study of Monoclonal Antibody Radioimmuno-Therapy: A multinational study in patients with ovarian carcinoma using the HMFG1 antibody labelled with 90Yttrium”

SMART international multicenter project implemented in 11 European countries for the Republic of Croatia at the Institute for Gynecologic Oncology, Clinic for Female Diseases and Births of the Clinical Hospital Center Zagreb 2001-2002. Professor Ante Ćorušić.
A.6.2. LIST OF SCIENTIFIC, ARTISTIC AND DEVELOPMENTAL PROJECTS ON WHICH THE PROGRAMME OF THE DOCTORAL STUDY IS BASED

ORDINAL NUMBER: 1.
DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/01/2018 - 31/12/2022
SOURCE OF FUNDING: H2020

ORDINAL NUMBER: 2.
TITLE OF THE PROJECT: Molekularna, epidemiološka i klinička obilježja zaraze HIV-om u Hrvatskoj (MEKH/MECHC) / Molecular, epidemiological and clinical features of HIV infection in Croatia
PROJECT CODE: IP-4461
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 3.
TITLE OF THE PROJECT: Genotip-fenotip korelacija u Alportovom sindromu i nefropatiji tankih glomerularnih bazalnim membrane (GpofASandTBMN) / Genotype-phenotype correlation in Alport’s syndrome and nephropathy of thin glomerular basal membranes
PROJECT CODE: IP-2151
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 4.
TITLE OF THE PROJECT: Kronične upalne bolesti crijeva u djece: incidencija, tijek bolesti te uloga prehrane i crijevne mikroflore u etiopatogenezi / Chronic inflammatory bowel disease in children: incidence, course of disease and the role of diet and intestinal microflora in etiopathogenesis
PROJECT CODE: IP-3788
DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/03/2016 – 28/02/2020
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 5.
PROJECT CODE: IP-4517
DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/01/2016 – 31/12/2019
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 6.
TITLE OF THE PROJECT: Molekularni posrednici koštane resorpcije uvjetovane receptorom Fas u artritisu (MEFRA) / Molecular bone resorption mediators mediated by Fas receptor in arthritis
PROJECT CODE: IP-7406
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 7.
TITLE OF THE PROJECT: Istraživanje unosa joda u trudnoći i djetinjstvu u svjetlu nacionalne strategije prevencije poremećaja uzrokovanih nedostatkom joda (IPACSTOPIDD) / Study of iodine intake in pregnancy and childhood in light of the national strategy for the prevention of iodine deficiency disorders
PROJECT CODE: IP-6499
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 8.
TITLE OF THE PROJECT: Ispitivanje reaktivnosti trombocita u različitim srčanožilnim bolestima (SPARELIFE-CVD) / Investigation of platelet reactivity in various cardiovascular diseases
PROJECT CODE: IP-8403
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 9.
TITLE OF THE PROJECT: Reprogramiranje citoprotektivnih puteva u mezoteliomu (ReprogrammingMM) / Reprogramming cytoprotective pathways in mesothelioma
PROJECT CODE: IP-4173
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 10.
TITLE OF THE PROJECT: Hiperfosforilacija, agregacija i transsinaptički prijenos tau proteina u Alzheimerovoj bolesti: analiza likvora i ispitivanje potencijalnih neuroprotektivnih spojeva (ALZTAUPROTECT) / Hyperphosphorylation, aggregation and trans-synaptic transmission of Alzheimer's disease: liquid analysis and potential neuroprotective tests
PROJECT CODE: IP-9730
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 11.
TITLE OF THE PROJECT: Novootkrivene cirkulirajuće izoforme BMP1 proteina kao biomarkeri i terapijski ciljevi za humane bolesti (BMP1-IsoFor) / Newly discovered circulating isoforms of BMP1 proteins as biomarkers and therapeutic goals for human diseases
PROJECT CODE: IP-3509
DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/01/2016 – 31/12/2018
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 12.
TITLE OF THE PROJECT: Adipocitokinima modulirana disfunkcija endotela u podlozi mikrovaskularnih komplikacija šećerne bolesti tipa 1 i tipa 2 (ADIEDM) / Adipocytokine modulated endothelial dysfunction underlying microvascular complications of type 1 and type 2 diabetes mellitus
PROJECT CODE: IP-7459
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 13.
TITLE OF THE PROJECT: Vrijednosti i odluke na kraju života (VAL-DE-END) / Values and decisions at the end of life
PROJECT CODE: IP-2721
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 14.
TITLE OF THE PROJECT: Sonoelastografija i magnetska rezonancija u dijagnostici i liječenju karcinoma dojke (EL-MRI-BREAST) / Sonoelastography and magnetic resonance imaging in diagnosis and treatment of breast cancer
PROJECT CODE: IP-2997
DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 20/03/2017 – 19/03/2021
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 15.
TITLE OF THE PROJECT: Multimodalni prikaz molekularnih zbivanja tijekom oporavka mišjeg mozga nakon ishemijskog oštećenja (RepairStroke) / Multimodal representation of molecular events during recovery of mouse brain after ischemic damage

PROJECT CODE: IP-1892

DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/12/2017 – 30/11/2021

SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 16.

TITLE OF THE PROJECT: Epigenetički biomarkeri u krvi i ejakulatu bolesnika sa seminomom testisa (epiSem) / Epigenetic biomarkers in the blood and ejaculate of the testicular semen

PROJECT CODE: IP-3692

DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/08/2017 – 31/07/2021

SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 17.

TITLE OF THE PROJECT: Evolucija upalnog artritisa u djece: uloga osnaženoga muskuloskeletnoga ultrazvukate epigenetskih, proteinskih i disbiotičkih biomarkera u razvoju juvenilnog idioptatskog artritisa (childARTHRITISevolve) / Evolution of inflammatory arthritis in children: the role of enhanced musculoskeletal ultrasound of epigenetic, protein and dysbiotic biomarkers in the development of juvenile idiopathic arthritis

PROJECT CODE: IP-4771

DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/04/2017 – 31/03/2021

SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 18.

TITLE OF THE PROJECT: Epidemiologija hipertenzije i unos kuhinjske soli u Hrvatskoj (EH-UH 2) / Epidemiology of hypertension and salt intake in Croatia

PROJECT CODE: IP-9033


SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 19.

TITLE OF THE PROJECT: Molekularni biljezi vulnerabilnosti, adaptacije i plastičnosti neurona u akutnoj i kroničnoj ozljedi mozga (NeuroReact) / Molecular signs of neuron vulnerability, adaptation and plasticity in acute and chronic brain injury

PROJECT CODE: IP-8636

DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/06/2017 – 31/05/2021
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 20.

TITLE OF THE PROJECT: Matične stanice usne šupljine čovjeka za liječenje ishemijske bolesti mozga (ORASTEM) / Stem cells of the human oral cavity for the treatment of cerebral ischemia

PROJECT CODE: IP-9451

DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/10/2017 – 30/09/2021

SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 21.

TITLE OF THE PROJECT: Novi biomarkeri kronične bolesti presatka protiv primatelja (Bio-cGVHD) / Novel biomarkers of chronic Graft-versus-Host disease

PROJECT CODE: IP-8046

DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 20/03/2017 – 19/03/2021

SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 22.

TITLE OF THE PROJECT: Signalni mehanizmi i metaboličke promjene u diferencijaciji stanica akutne miješločne leukemije (SignalmetabAML) / Signal mechanisms and metabolic changes in the differentiation of acute myelogenous leukemia cells

PROJECT CODE: IP-4581

DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 15/04/2017 – 14/04/2021

SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 23.

TITLE OF THE PROJECT: Razvoj novih antitijela (biološki lijek) koja selektivno inhibiraju izražaj hepcidina u jetri za terapiju anemije kronične bolesti (BMP6Fe3) / Development of new antibodies (biological drug) that selectively inhibit the expression of hepcidin in the liver for chronic disease anemia

PROJECT CODE: IP-2169

DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/07/2017 – 30/06/2021

SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 24.

TITLE OF THE PROJECT: Uloga bradikinina u ishemijskoj bolesti mozga i mrežnice u mišjim modelima dijabetesa (BRADISCHEMIA) / The role of bradykinin in ischemia of the brain and retina in mouse models of diabetes

PROJECT CODE: UIP-8082

SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 25.
TITLE OF THE PROJECT: Epigenetički biomarkeri raka prostate (epiPro) / Epigenetic biomarkers of prostate cancer
PROJECT CODE: UIP-8138
DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/04/2018 – 31/03/2023
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 26.
TITLE OF THE PROJECT: Uloga Notch signalnog puta u patogenezi jetrene fibroze (NOFIBRO) / The role of the Notch signaling pathway in pathogenesis of liver fibrosis
PROJECT CODE: UIP-1965
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 27.
TITLE OF THE PROJECT: Misterij subtalamusa - anatomska podjela subtalamičke jezgre (3STAN) / Mystery of the subthalamus - anatomical division of the subthalamic nucleus
PROJECT CODE: UIP-7578
DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 01/06/2018 – 31/05/2023
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 28.
TITLE OF THE PROJECT: Opasnosti i prednosti društvenih mreža - e-profesionalizam zdravstvenih djelatnika (SMePROF) / Dangers and benefits of social networks - e-professionalism of health professionals
PROJECT CODE: UIP-2140
DURATION OF THE PROJECT (START AND END DATE OF THE PROJECT): 09/05/2018 – 08/05/2023
SOURCE OF FUNDING: Hrvatska zaklada za znanost / Croatian Science Foundation

ORDINAL NUMBER: 29.
TITLE OF THE PROJECT: Znanstveni centar izvrsnosti za reproduktivnu i regenerativnu medicinu (CERRM) / Centre of Research Excellence for Reproductive and Regenerative Medicine
PROJECT CODE:
SOURCE OF FUNDING: Ministarstvo znanosti i obrazovanja iz Europskih strukturnih i investicijskih fondova / Ministry of Science and Education from European Structural and Investment Funds

ORDINAL NUMBER: 30.

TITLE OF THE PROJECT: Znanstveni centar izvrsnosti za temeljnu, kliničku i translacijsku neuroznanost (ŽCI – Neuro) / Centre of Research Excellence for Basic, Clinical and Translational Neuroscience

PROJECT CODE:


SOURCE OF FUNDING: Ministarstvo znanosti i obrazovanja iz Europskih strukturnih i investicijskih fondova / Ministry of Science and Education from European Structural and Investment Funds