



University of Zagreb School of Medicine



PhD programme ■ ■ ■ STUDENTS' GUIDE

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■ ■ ■ I Introduction

1.1. History and the reason for starting a PhD programme

Prospective candidates of our PhD programme should be aware of the fact that there are over 50 years of experience in PhD degree achievements at the School of Medicine (the first PhD thesis in Croatian medicine was presented in 1955), as well as the fact that over 90% of all PhD degrees in medicine in Croatia are awarded at the School of Medicine, University of Zagreb and that over 25% of all PhD degrees awarded in the Republic of Croatia are PhD degrees from the School of Medicine, University of Zagreb. Since 1998, after numerous changes, the School of Medicine has been actively improving the PhD programme in keeping with the Bologna process and similar programmes in other European countries. Thus, the first two European conferences on Harmonisation of PhD Programmes in Biomedicine and Health Sciences were held in Croatia and organised by the School of Medicine, which is also one of the founding members of ORPHEUS (**O**rganisation for **P**hD education in Biomedicine and Health Sciences in the **E**uropean **S**ystem). The English version of the PhD programme for foreign students was launched in the academic year 2007/2008, and it is the first of its kind in Croatia.

■ ■ ■ II General provisions

2.1. Study title, field and goal

Study title is: **PhD Programme in Biomedicine and Health Sciences**

The Programme covers the following fields of Biomedicine and Health Sciences: Basic medical sciences, Clinical medical sciences, Public health and health care and it aims to cover all the branches of these three fields.

The programme is proposed by the **University of Zagreb, School of Medicine**. In accordance with 'Zagreb Declaration', the PhD programme is intended to enable individuals, after completing their research and defending their PhD thesis, to carry out independent, original and scientifically significant research and critically evaluate work done by others. After completing PhD programme and public defence of PhD thesis, students are awarded the degree of PhD in the field of biomedicine and public health.

2.2. Application and admission

Application procedure and admission criteria are in keeping with the Guidelines for organisation of PhD Programmes in Biomedicine and Health Sciences of the Second European Conference on harmonisation of PhD programmes in biomedicine and health sciences.

Up to a maximum of 70 students (60 Croatian nationals and 10 foreign nationals) are admitted to the first year. ŽĐ

The following are ELIGIBLE TO APPLY FOR THE FIRST YEAR OF STUDY TAUGHT IN ENGLISH:

- candidates who have graduated from a medical school or other faculty dealing with the scientific field of biomedicine and health sciences or a related field;
- candidates with a grade point average in undergraduate and graduate study of at least 3.51 (in the 1-5 grading system) or at least 8.00 (on the A-D scale);
- candidates who have conducted the academic recognition of a foreign degree of higher education, i.e. the recognition of study duration at the University of Zagreb

Documents needed for the application:

1. Application form
2. Diploma (with the supplement, if issued)
3. Transcript of records
4. Letter of recommendation by a potential mentor
5. Research topic proposal
6. Statement on the model of studying
7. Curriculum vitae (Europass form)
8. Copy of passport (for foreign nationals) or equivalent document for Croatian nationals

All documents should be submitted in Croatian or English as originals, or copies or translations certified by the University or legally appointed English translator, or legally appointed notary. Candidates who have foreign degrees have to go through a procedure of **the academic recognition** of a foreign degree of higher education, i.e. the recognition of study duration at the University of Zagreb. More information can be obtained at the web pages of the Office for academic recognition University of Zagreb (***Academic Recognition of Foreign Higher Education Qualifications***). At enrollment, students who are foreign nationals have to have a residence permit in the Republic of Croatia and regulated health insurance policy within the Croatian healthcare system.

Before admission, each candidate in the procedure of admission and selection should demonstrate written capability to understand professional manuscript, knowledge to use reliable sources from the Internet and perfection in using computers (Word) and electronic communications. The School of Medicine will also organize an interview with candidates who have successfully passed the capability test.

The date of the assessment, interview and enrollment of candidates into the PhD programme shall be determined subsequently. Applications are to be sent on prescribed forms at the PhD programme's web site. Incomplete applications or those not complying with the instructions shall not be taken into consideration. It is recommended to enclose copies of papers and congress abstracts along with the confirmation that the congress is subject to peer review.

The following link contains all the information and forms:

<http://www.mef.unizg.hr/upisi/poslijediplomski/doktorski/phd-programme-in-english/>

ADMISSION to the second year

In order to be admitted to the second year of the PhD programmes, PhD candidates have to:

- submit their application for PhD project proposal (<http://www.mef.unizg.hr/studiji/poslijediplomski/doktorski/phd-programme-in-english/>)
- have the proof of attendance of the obligatory and elected courses from the first year
- submit their annual progress report
- submit annual progress report by their mentor/s

ADMISSION to the third year

In order to be admitted to the third year of the PhD programmes, PhD candidates should:

- have their application for PhD project proposal accepted by the Faculty Council of the School of Medicine of the University of Zagreb
- have the proof of attendance of the obligatory and elected courses from the second year
- submit their annual progress report
- submit annual progress report by their mentor/s

2.3. Opportunities after completing the programme

In accordance with the *Zagreb Declaration*, a doctor of science is fully competent to continue scientific research upon completing the PhD programme: they have the knowledge of methodology in biomedicine and health sciences; they are able to write a research project proposition, to write and publish their scientific study in Web of Science, SCI, expanded SSCI, they can report and support their research findings in the scientific community and give a critical evaluation of their colleagues' work.

Post-doctoral (specialized) education and employment may be offered by one of the numerous institutions listed in this programme, other Universities in Croatia and collaborative laboratories throughout the world.

The following link contains all the forms needed for the completion of the PhD thesis: <http://www.mef.unizg.hr/studiji/poslijediplomski/doktorski/phd-programme-in-english/>

2.4. Academic title conferred upon completion of the programme

After completing PhD programme and public defence of the thesis, students are awarded the degree of **PhD in the field of biomedicine and public health**.

■ ■ ■ III PhD programme description

3.1. Structure and organisation

PhD programme is governed by the PhD Programme Coordination Committee and headed by the Programme Director. PhD Programme Coordination Committee is elected by the PhD Board for a period of four years. The duties of PhD Programme Coordination Committee include admission procedure to the PhD programme, course selection and schedule, and assisting the PhD candidates in finding supervisor for their thesis, as well as the organisation of peer review and re-evaluation of the courses.

FULL TIME PROGRAMME is entirely research oriented and lasts three years.

The principal scheme of lessons and the appertaining student credits in the full programme are as follows (the presumption being equally divided obligations):

- a) **First year:** obligatory and elective methodological courses (20 ECTS), scientific work (40 ECTS), application for the PhD project proposal (obligatory for the enrolment in the second year);
- b) **Second year:** obligatory methodological courses, elective field related courses, PhD Day (20 ECTS), scientific work (40 ECTS), public discussion of the PhD project proposal and its acceptance by the Faculty Council (requirement for the enrolment in 3rd year);
- c) **Third year:** obligatory methodological courses, obligatory guided tutorials and elective field related and methodological courses, PhD day (20 ECTS), scientific work (40 ECTS).

If not otherwise stipulated by law, the provisions in force at the time of the enrollment in the Programme will continue to apply to PhD candidates in the full-time programme (3 years).

PART-TIME PROGRAMME is intended for candidates who work at the clinic and often lecture themselves. In order to offer these candidates a feasible scheme, we did our best so that the Programme should meet their needs as well. If announced in time (principally at the beginning of the academic year), it is possible to take a leave of absence or continue the lessons attendance.

PhD candidates and supervisors/mentors jointly decide on research topic until the end of the first year. Registered and approved PhD project proposal is a guarantee that the PhD candidate will complete the PhD programme and defend successfully their PhD thesis. The time passed from the enrollment in the PhD programme until the defense of the PhD thesis can be no more than 8 years. The PhD candidate and the supervisor/mentor take the responsibility regarding any scientific discoveries made within that period of time which might put the authenticity of the registered PhD project proposal at risk. If discoveries should annul the innovativeness of the topic, the candidate shall register an addition to the previously registered PhD project proposal or a completely new proposal.

The Programme is adapted/suited for research: every candidate enrolls 120 hours of structured classes during the first year (approximately 20 ECTS, which evenly divided amounts to 2-3 lessons per week), which as a rule take place after the working hours. In case of part-time programme this scope of commitment still leaves time for learning and research.

3.2. Scientific activity

PhD candidates are obligated to submit the proof of their scientific and professional activities, extra-curricular activities (third credit group in the current terminology of this programme) based on their active presence in the scientific community, and in particular based on their scientific work during the programme attendance. The minimum condition for a PhD candidate is to have one paper published in Web of Science related to the research.

3.3. List of courses

PhD programme in Biomedicine and Health Sciences has been structured and permanently reviewed in compliance with the European Credit Transfer System (ECTS) and is made of the following credit groups:

3.3.1. Methodological courses aim to introduce students to basic principles of scientific research in general and to procedures and methods in certain areas of research. Although the students cannot really get a thorough knowledge of numerous and diverse research methods and procedures, they become familiar /get acquainted with laboratories and other centres and will work with individual professionals dealing in specific areas who will be at their disposal in the future, in case they need an advice on these methods and procedures. An additional intent of this course is to relieve the student from the fear arising when faced with new methods and procedures, and to help them realize that they will be capable of coping with that when required to do so. These courses should not include more than 30 % of classes, whereas 70 % has to be covered by demonstrations and practicals. The lesser amount of structured teaching is compensated for by compulsory reference literature. A manual has to be compiled for each of these courses (price included in the study fee) The courses are generally organised as integrated and include both pre-clinical and clinical (or health sciences related) ways of solving certain problems, since the borders between these areas in the field of scientific methodology are dissolving.

	Course	Course leader(s)	Hours	ECTS
1	Structure, methodology and functioning of scientific work 1	Prof. Zdravko Lacković, Prof. Jelka Petrak, Assoc. Prof. Ana Borovečki	28	5
2	Structure, methodology and functioning of scientific work 2	Prof. Zdravko Lacković, Prof. Vladimir Trkulja, Assist. Prof. Donatella Verbanac	38	4
3	Structure, methodology and functioning of scientific work 3: scientific projects	Prof. Fran Borovečki, Prof. Srećko Gajović	12	2
4	Statistical analysis of medical data 1	Assoc.Prof. Zdenko Sonicki, Prof. Davor Ivanković	38	5,5
5	PhD Day	Prof. Zdravko Lacković	25	4
6	Biochemical methods in biomedical research	Prof. Jasna Lovrić, Prof. Dunja Rogić	35	5,5
7	Electrophysiological techniques in medical research	Assoc.Prof. Diana Delić Brkljačić, Assoc.Prof. Aleksandra Sindić	28	5
8	Epidemiologic methods in research	Prof. Nataša Antoljak, Prof. Zvonko Šošić	32	5

9	Genomic approaches in biomedical and translational research	Prof. Fran Borovečki	25	4,5
10	Laboratory animals in biomedical research	Ranko Stojković, PhD, research advisor	20	3,5
11	Evidence based medicine	Prof. Ratko Matijević, Prof. Žarko Alfirević	20	3,5
12	Methods in medical informatics	Prof. Jadranka Božikov, Assist. Prof. Kristina Fišter, Prof. Josipa Kern	20	3,5
13	Research methods of psycho-logical functions and behavior	Prof. Rudolf Gregurek, Prof. Alma Mihaljević Peleš	16	2,5
14	Research and evaluation methods of health interventions	Prof. Stjepan Orešković	20	3,5
15	Methods of investigation in vivo and in vitro	Prof. Drago Batinić, Prof. Dora Višnjić	20	3,5
16	Methods of molecular biology in medicine	Prof. Florijana Bulić Jakuš, Prof. Jadranka Sertić	38	5
17	Morphological reserach methods in biomedical sciences	Prof. Srećko Gajović, Prof. Boris Brkljačić	23	4
18	Characteristics of clinical medical research	Assist. Prof. Robert Likić	15	2,5
19	Proteomics in biomedical research	Prof. Lovorka Grgurević	20	3,5
20	Telemedicina	Prof. Davor Miličić	20	2,5

3.3.2. Guided tutorials i.e. short methodological courses that are aimed at acquainting students with specific research methods, procedures of gathering and analyzing data they will make use of when writing their PhD thesis. The focus is on practical work, so that the attendants can later on apply the knowledge they have gained. Guided tutorials are generally short (mostly 6-8 hours of teaching, out of which a maximum of 2 hours may be dedicated to theoretical presentation of a problem). As a rule the students use the material they have gathered themselves. Admission requirements and required previous knowledge are determined by the tutorial coordinator. There is no formal schedule i.e. guided tutorials are arranged directly between tutors and students (supervisors shall give his or her opinion or be directly involved). Obligatory guided tutorials:

	Course	Course leader(s)	Hours	ECTS
1	Medical statistics 2.1: planned experimental study design	Prof. Mirjana Kujundžić Tiljak	16	2,5
2	Medical statistics 2.2: quasi-experimental study design	Prof. Mirjana Kujundžić Tiljak	16	2,5
3	Medical statistics 2.3: Statistical tools for medical data analysis in observational study design with large samples	Prof. Zdenko Sonicki, Prof. Davor Ivanković	16	2,5
4	Medical statistics 2.4: Statistical tools for medical data analysis in observational study design with small samples	Prof. Zdenko Sonicki, Prof. Davor Ivanković	16	2,5

3.3.3. Field related courses are intended to introduce the candidates to scientific knowledge and problems arising in some narrow areas of research in biomedicine and health sciences. Apart from broadening the candidate's scientific horizons, the aim of these courses is to enable the candidate to follow with understanding the most recent scientific writings in this area of research. therefore, critical discourse on various scientific issues (Journal Club) is an obligatory part of field related courses. They are attended in all three years of the programme, but usually after applying the project proposal.

The invitation for registration of field related courses is permanently open and all lecturers at the School of Medicine, University of Zagreb are invited to register courses from their area of research. Other experts from Croatia or abroad who meet the legal requirements can register their courses as well. All course proposals are subject to an anonymous double scientific review. Our experience from 1998 until 2004 has shown that 70 to 80% of submitted proposals are approved, and most of them are amended or modified as requested by the reviewers.

	Course	Course leader(s)	Hours	ECTS
1	Medical anthropology	Prof. Pavao Rudan	20	3,5
2	Innate Immunology	Krešo Bendelja, PhD, senior research associate	10	2
3	Pathophysiology of the brain and the CSF	Prof. Marijan Klarica	20	3,5
4	Some aspects of molecular psychopharmacology	Dorotea Mück-Šeler, PhD, research advisor	12	2
5	Genotoxicological research of exposure to physical and chemical mutagens in working and living environment	Aleksandra Fučić, PhD, research advisor	12	2
6	Diagnostic and treatment of female urinary incontinence	Prof. Slavko Orešković	15	2,5
7	Gene targeting in mammals	Prof. Srećko Gajović	10	2
8	How to become a neuron?	Prof. Srećko Gajović	21	3,5
9	Neuroophthalmology	Prof. Branimir Cerovski	20	3,5
10	Viral hepatitis	Prof. Marko Duvnjak, Prof. Adriana Vince	25	4
11	Pancreatic diseases	Prof. Marko Duvnjak	25	4
12	Neurosonology	Prof. Vida Demarin	25	4
13	Multiresistant bacteria associated with nosocomial infections	Prof. Branka Bedenić	25	4
14	Immunocytokines	Assist. Prof. Alenka Gagro	16	2,5
15	Genomic instability	Prof. Nives Pećina-Šlaus	15	2,5
16	Metabolic syndrome	Prof. Lea Smirčić-Duvnjak	13	2
17	Molecular aspects of lymphocyte development	Prof. Mariastefania Antica	21	3,5

18	Arterial hypertension and diabetes mellitus	Prof. Lea Smirčić-Duvnjak	14	2,5
19	Scientific approach to transfusion treatment	Prof. Jasna Mesarić	16	2,5
20	Pharmacogenomics	Prof. Nada Božina	20	3,5
21	Pathogenesis of infective diseases	Prof. Jasmina Vraneš	30	5
22	Kidney transplantation	Prof. Josip Pasini, Ivica Mokos, PhD, research advisor	32	5
23	Biomaterial infections	Prof. Jasmina Vraneš	18	3
24	Microvascular tissue transfer	Prof. Zdenko Stanec	25	4
25	Transplants and flaps	Prof. Zdenko Stanec	25	4
26	Use of doppler ultrasound in research and diagnosis of diseases of blood vessels	Prof. Boris Brkljačić	20	3,5
27	Molecular and biochemical approach to genetic disorders	Prof. Jadranka Sertić	15	2,5
28	Movement disorders	Prof. Maja Relja	25	4
29	Selected chapters of epileptology of developmental age	Prof. Nina Barišić	32	5
30	Mechanisms of allergic reactions	Assist. Prof. Alenka Gagro	18	3
31	Medical image analysis	Srećko Lončarić, PhD, senior research associate	30	5
32	Clinical nutrition	Prof. Sanja Kolaček, Iva Hojsak, PhD, senior research associate	32	5
33	Translational medicine – from disease to gene	Oliver Vugrek, PhD, senior research associate	10	2
34	Clinical psychopharmacology	Prof. Miro Jakovljević	25	4
35	Selected animal models of psychiatric disorders	Prof. Nela Pivac	12	2
36	Human developmental neurobiology	Prof. Ivica Kostović	18	3
37	Synaptic plasticity and mind disorders	Prof. Ivica Kostović	14	2,5
38	The role of immunogenetics in transplantation	Assist. Prof. Renata Žunec	22	3,5
39	Understanding bone metabolism –basic science in clinical practice	Prof. Vesna Kušec	17	3
40	Isotransplantation of mammalian organ primordia	Prof. Gordana Jurić-Lekić	17	3
41	Methods in molecular oncology	Sonja Levanat, PhD, research advisor	26	4,5
42	Molecular genetics and biochemistry of the tumors	Sonja Levanat, PhD, research advisor	22	3,5

43	Gene therapy: experimental and clinical approach	Prof. Jasminka Pavelić	20	3,5
44	Cerebral circulation – clinical approach	Prof. Vida Demarin	30	5
45	Molecular hematology	Prof. Rajko Kušec	26	4,5
46	Physiology and biochemistry of the uterus in pregnancy and labor	Prof. Marina Ivanišević	19	3
47	Selected topics in transplantation immunology	Prof. Danka Grčević	19	3
48	Molecular genetics and pharmacogenetics of gastrointestinal tumors	Prof. Sanja Kapitanović	20	3,5
49	Fetal and neonatal neurophysiology, fetal behavior	Prof. Aida Salihagić-Kadić, Prof. Vlatka Mejaški Bošnjak	23	4
50	Bone morphogenetic proteins in regeneration of bone and cartilage	Prof. Slobodan Vukičević	14	2,5
51	Laboratory approach to transplantation of haematopoietic stem cells	Prof. Drago Batinić	24	4
52	Nutrition and respiratory function of the placenta, fetal growth and fetal endocrinology	Prof. Josip Đelmiš, Prof. Marina Ivanišević	18	3
53	Diabetes and pregnancy	Prof. Josip Đelmiš	19	3
54	Neurobiology of aging	Prof. Goran Šimić	20	3,5
55	Liver transplantation	Prof. Leonardo Patrlj	22	3,5
56	Clinical neuropharmacology	Prof. Maja Relja	30	5
57	Molecular oncology – insight into new technologies	Prof. Koraljka Gall-Trošelj	17	3
58	Clinical molecular cytogenetics: research and diagnostic potential	Prof. Lukrecija Brečević	20	3,5
59	Immunological recognition	Prof. Drago Batinić	18	3
60	Endocrine tumors of gastrointestinal tract and pancreas	Maja Cigrovski-Berković, MD, PhD, senior research associate, Prof. Vanja Zjačić-Rotkvić	12	2
61	Genetics of neurodevelopmental disorders and brain malformations	Prof. Lukrecija Brečević	20	3,5
62	The role and use of animal models in experimental oncology	Ranko Stojković, PhD, research advisor	20	3,5
63	Risk management	Prof. Bojan Biočina	9	1,5
64	Experimental oncology: malignant diseases as persistent oxidative stress	Neven Žarković, PhD, research advisor	20	3,5
65	Urinary tract obstruction in children	Prof. Božidar Župančić	22	4
66	Conversative treatment of fractures in children	Prof. Božidar Župančić	24	4

67	Liver transplantation in children	Prof. Jurica Vuković	20	3,5
68	Knowledge discovery in medical domains	Dragan Gamberger, PhD, senior research associate	30	5
69	Liaison and consultative psychiatry	Prof. Rudolf Gregurek	30	5
70	Breast surgery	Assist. Prof. Sanda Stanec	30	5
71	Hand surgery	Prof. Rado Žic	25	4
72	Viral infections of the respiratory tract	Prof. Gordana Mlinarić Galinović	20	3,5
73	Molecular genetics of aging and carcinogenesis	Ivica Rubelj, PhD, senior research associate	20	3,5
74	Experimental neuropathology: oxidative stress of the central nervous system	Neven Žarković, PhD, research advisor	21	3,5
75	Reproduction and workplace	Prof. Jadranka Mustajbegović	14	2,5
76	Mental health service management	Prof. Rudolf Gregurek, Prof. Norman Sartorius	16	2,5
77	Clinical laboratory diagnostics of malignant melanoma with special reference to molecular-biological diagnosis assesment	Prof. Mirna Šitum	12	2
78	Epigenetics	Prof. Maja Vlahović	17	3
79	Disorders of adrenal gland	Prof. Darko Kaštelan	15	2,5
80	Human reproduction	Prof. Dinka Pavičić Baldani, Prof. Davor Ježek, Tarek El-Toukhy	16	2,5
81	Surgical therapy of pituitary tumors	Professor Darko Kaštelan, Tomislav Sajko, PhD, senior research associate	15	2,5

3.3.4. Obligatory courses

1st year: Structure, methodology and functioning of scientific work 1

2nd year: Structure, methodology and functioning of scientific work 2, Statistical Analysis of Medical Data 1, PhD Day

3rd year: Structure, methodology and functioning of scientific work 3: scientific projects, Medical Statistics (at least one out of four obligatory guided tutorials), PhD Day

3.4. Mentors

PhD programme is based on mentorship. The School of Medicine has a considerable number of potential mentors, and they have to belong to the faculty of the School of Medicine. A mentor can be a person who:

- has a PhD degree
- holds at least the academic position of research associate or assistant professor
- is a scientific project leader, or an associate at a scientific project

We recommend course leaders of the PhD programme for mentors, but also provide information on scientific project leaders in Croatia and their publications.

In keeping with the *Zagreb Declaration* and the decision of the Faculty Board, mentors cannot be the members of the Committee for the defense and appraisal of PhD thesis.

According to the new criteria accepted by the PhD Board, mentors/course leaders have to have papers published in the last 5 years in Web of Science relevant for the PhD project proposal of their candidates.

3.5. Completion of the PhD programme

Programme ends with a successful public defense of the PhD thesis.

Conditions for the public defense are:

- consent of the mentor,
- at least one scientific paper published in a journal indexed in Web of Science (the proof of scientific activity)
- positive opinion of all the reviewers of PhD thesis.

3.6. Requirements for resuming the programme for students who interrupted their studies or lost right to study in the programme

The studies can be discontinued due to further professional education or illness or other justifiable reasons (for example, pregnancy) but has to be completed within statutory periods (in compliance with faculty, university or legal regulations).

3.8. Maximum length from the beginning to the end of the programme

Full-time PhD programme comprised of advanced learning and practical work is 3 years in length (6 semesters). The candidate has to accumulate 180 ECTS credits (principally 60 ECTS credits every year). Part-time PhD programme can be maximum 8 years in length. A possible prolongation for production of doctoral thesis and appropriate procedure is to be stipulated by the School i.e. University based on statutory regulations.

■ ■ ■ IV Programme regulations

4.1. Facilities and Teaching Equipment

Courses are held at the School of Medicine at Šalata, 'Andrija Štampar' School of Public Health, Croatian Institute for Brain Research, 'Ruđer Bošković' Institute, clinics and lecturing facilities of the School of Medicine, as well as other medical and scientific institutions that have passed verification performed by the Ministry of Health and Social Care, which evaluated general and specific prerequisites (e.g. University Hospital Centre Zagreb, University Hospital Centre 'Sestre milosrdnice', Clinical hospital 'Mercur', Clinical hospital 'Sveti Duh', University clinic for diabetes, endocrinology and metabolic diseases 'Vuk Vrhovac', Clinical Center for Pulmonary Diseases 'Jordanovac', Clinical hospital for infectious diseases 'Fran Mihaljević', Childrens Clinical Hospital Klaićeva, Clinic for tumors, Clinical Hospital 'Dubrava', Psychiatric Hospital 'Vrapče', Clinic for Forensic Psychiatry and Psychopathology).

Among the research resources we would like to point out the Central Medical Library which meets highest standards in terms of organization, facilities and management.

The Central Medical Library (<http://smk.mef.unizg.hr/>) is the largest and most important medical library in Croatia, containing over 80.000 volumes of books and journals. The library regularly receives some 500 foreign scientific and specialized journals and Croatian medical journals. The library offers access to more than 1500 on-line journals, 3 on-line books and all significant bibliographical databases in biomedicine (Medline, Current Contents, Web of Science, Best Evidence etc), builds and maintains a medical bibliographic database Biomedicina Croatica and offers among other things 25 user PCs and access to web sources.

4.2. Status of PhD candidates

A contract signed by the dean of the School of Medicine and a PhD candidate regulates the status of the PhD candidate, the mutual rights and obligations between the School of Medicine and the student of PhD programme leading to the PhD degree.

■ ■ ■ V Contacts and addresses

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