

FBF

UNIVERSITY OF ZAGREB
FACULTY OF
PHARMACY AND
BIOCHEMISTRY

Guide to integrated
undergraduate and graduate
pharmacy study programme

**MPHarm STUDY
PROGRAMME**

From Zagreb,
to global
pharmacy
leaders.



Pharma 5:0

The project was co-funded by the European Union - European Social Fund, Operational Programme Efficient Human Resources 2014. – 2020.



From Zagreb,
to global
pharmacy
leaders. →

**Bridging drug research
and patient care –
ensuring global health**

Pharmacy **MPharm**

Pharmacists are the most accessible healthcare professionals and the first line of resource for their patients in the health care system. They are medicines experts playing an active role in health promotion, health education, disease prevention, and disease management.

The MPharm study programme integrates pharmaceutical science and clinical research needed for pharmacy practice in community and hospital settings, pharmaceutical industry, and drug regulatory affairs. The pharmacy profession has a long tradition and is constantly evolving, providing new roles for pharmacists in their local communities, national healthcare systems and global health.

Career Opportunities in Pharmacy:

Today pharmacists leverage their skills in a wide variety of roles and settings including:

- **Community Pharmacy**
- **Hospital Pharmacy**
- **Primary Care**
- **Long-term Care**
- **Pharmaceutical Industry**
- **Biotech Industry**
- **Health-focused Startup Companies**
- **Research and Academia**
- **Regulatory bodies**



Choose **MPharm** Programme in Zagreb for ...

→ **OUR LOCATION:**

Zagreb is the Croatian capital with a thousand years of tradition. It is a city offering countless cultural and sports events. You can reach one of eight Croatian national parks in about an hour's drive from its centre! (→ p 38)

→ **OUR TRADITION:**

University of Zagreb - the oldest and biggest University in south-east Europe, established in 1669.

Faculty of Pharmacy and Biochemistry - established in 1882 - 12.000+ Alumni

A long tradition of the pharmaceutical industry

Azithromycin: the world's best-selling antibiotic discovered by the pharmaceutical company PLIVA, Zagreb (→ p 6)

→ **STUDENT COMMUNITY:**

University of Zagreb – over 70.000 students

Faculty of Pharmacy and Biochemistry – over 1.150 students

Croatian Pharmacy and Medical Biochemistry Students' Association - in 2016, named the best association of pharmacy students in the world! (→ p 18)

→ **GLOBAL CAREER OPPORTUNITIES**

Our alumni find employment all over the world! (→ p 30)

→ **OUR RESEARCH EXCELLENCE**

Faculty of Pharmacy and Biochemistry is one of the leading scientific and research institutions in biomedicine and health care that has been continuously encouraging and involving students and young scientists in the cutting-edge research. (→ p 12)



About University of Zagreb

→ FACT AND FIGURES

OLDEST AND BIGGEST
UNIVERSITY
IN SOUTH-EASTERN EUROPE,
ESTABLISHED IN
1669

35
INTEGRATED
UNDERGRADUATE
AND GRADUATE
STUDY PROGRAMMES

46
STUDY PROGRAMMES
IN ENGLISH

31
FACULTIES AND **3** ART
ACADEMIES

188
GRADUATE STUDY
PROGRAMMES

OFFERS EDUCATION IN
ALL SCIENTIFIC FIELDS
(ARTS, BIOMEDICINE,
BIOTECHNOLOGY,
ENGINEERING, HUMANITIES,
NATURAL SCIENCES AND
SOCIAL SCIENCES)

OVER
69000
STUDENTS AND
5098 TEACHERS

63
POSTGRADUATE
PhD STUDY
PROGRAMMES

RANKED
528
BASED ON THE ACADEMIC
RANKING OF WORLD
UNIVERSITIES, 2023
(ALSO KNOWN AS THE
SHANGHAI LIST)

150
UNDERGRADUATE STUDY
PROGRAMMES

211
POSTGRADUATE
SPECIALIST STUDY
PROGRAMMES

About Faculty of Pharmacy and Biochemistry

ESTABLISHED IN
1882

OVER
1.257

STUDENTS AT ALL
STUDY PROGRAMMES

COLLABORATION WITH OVER
30

INTERNATIONAL INSTITUTIONS

MEMBER OF THE INTERNATIONAL
PHARMACEUTICAL FEDERATION (FIP),
EUROPEAN ASSOCIATION OF FACULTIES
OF PHARMACY (EAFP), AND
THE ORGANISATION FOR PhD EDUCATION
IN BIOMEDICINE AND HEALTH SCIENCES
IN THE EUROPEAN SYSTEM (ORPHEUS)

INTEGRATED UNDERGRADUATE AND GRADUATE STUDY PROGRAMMES:

- Pharmacy
- Pharmacy in English
- Medical biochemistry and laboratory medicine

PhD PROGRAMME:

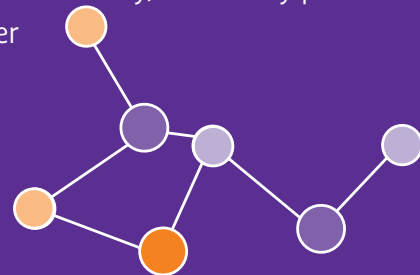
- Postgraduate Doctoral Study “Pharmaceutical-Biochemical Sciences”

POSTGRADUATE SPECIALIST STUDY PROGRAMMES:

- Clinical Pharmacy
- Dermopharmacy and Cosmetology
- Drug Development
- Medical Biochemistry and Laboratory
- Molecular Diagnostics
- Phytopharmacy with Dietotherapy
- Toxicology

Key Benefits of studying Pharmacy at our Faculty

- The Pharmacy programme is set up in accordance with Directive 2005/36/EC and therefore recognized throughout EU member states, making you eligible for registration as a pharmacist in all EU/EEA countries
- Our accredited programme has a strong scientific foundation, integrated with the key clinical skills and communication training
- Year after year, the best high school graduates in Croatia choose the Faculty of Pharmacy and Biochemistry
- 100% of our students find employment or continue their studies within six months of graduating
- Practice and experiential skills are acquired and developed in small groups
- You will learn through practice exposure in community and hospital pharmacies, for over 6 months
- Opportunity for practice in the pharmaceutical industry
- Modern practical teaching facilities and laboratories
- Each student conducts a supervised research project and writes a diploma thesis on their research work
- Croatia has a long tradition in the pharmaceutical industry
- With Azithromycin, discovered by Pliva's research team in Zagreb in 1980, Croatia became one of only nine countries in the world with an original antibiotic and its own blockbuster drug.
- Possibility to enjoy Zagreb, a friendly, walkable, but yet multi-cultural metropolitan city, with many parks and cafés

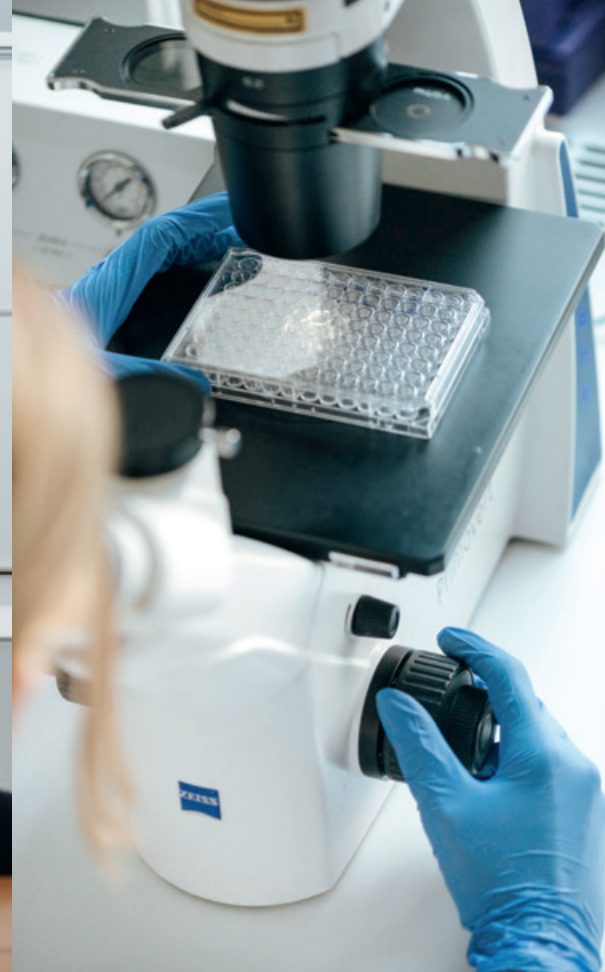


Croatia became one of only nine countries in the world with an original antibiotic and its own blockbuster drug

Our Facilities

The Faculty conducts its teaching and research activities at four locations in the city of Zagreb. The main building is located right in the heart of Zagreb at 1 A. Kovačić Street, just five minutes away from Ban Jelačić Square, the central city square. The modern central lecture hall is suited in the main building along with well-equipped student laboratories. Moreover, the newly established and fully equipped to undertake modern drug discovery and development research Centre for Translational Research and Innovation in Pharmacy is located in the main building providing scientific and educational environment of the highest standard. The foundation of the Centre was funded by the European Regional Development Fund in the amount of 4.6 million EUR. Other lecture halls and student laboratories are located in the buildings at 2 Knez Domagoj Street, 20 Marulić Square and 39 Schrott Street. The Faculty also comprises the Fran Kušan Pharmaceutical Botanical Garden, covering the area of approximately 24.000 m², located at 39 Schrott Street.

Our research and student laboratories across all four locations bring together teachers and researchers with different backgrounds and varying specialties to advance knowledge and create solutions for the world's biggest healthcare challenges. Moreover, the Faculty provides students with collaborative opportunities across the University of Zagreb, clinical hospital centres and pharmaceutical and biotech industries.



Research at our Faculty

The Faculty of Pharmacy and Biochemistry is a nationally and internationally recognised unit of multidisciplinary research and education, with an extensive network of partners and considerable research funding by a number of European and national funds.

It is one of the leading scientific and research institutions in biomedicine and health in Croatia.

The main research topics at the Faculty are:

1. Drug design and synthesis
2. Herbal medicines, dietary supplements, and functional foods
3. Nanosensors and novel analytical methods for pharmaceuticals and bioactive molecules
4. Innovative dosage forms
5. Medication therapy management
6. Mechanisms and molecular markers of early state and disease progression
7. Antimicrobial resistance to antibiotics
8. Personalised medicine



Students are encouraged to get involved in scientific research. A list of mentors and research topics is offered each year on the Faculty's website. Our students are regularly awarded the Rector's Award for their research projects.

A photograph of a hand holding a white mortar and pestle. The mortar contains several white, orange, and yellow pills. The background is a soft, out-of-focus light blue and white.

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regularly awarded
the Rector's Award
for their research
projects.

What you need to know

→ KEY INFORMATION ABOUT MPharm PROGRAMME

Duration: a 5-year curriculum governed by the Bologna process

Annual quota: 32 students

Annual tuition fee: available at mpharm.pharma.hr

Language: English

Location: Zagreb, Croatia

Start of the programme: October 1

ADMISSION CRITERIA:

Admission Criteria are based on success in high school, in state graduation exams and additional student achievements.

Detailed admission criteria are available at our website.

APPLICATION

Application and enrolment to the study program is conducted according to the conditions of the *Open call for the admission of students to undergraduate, integrated, and specialist undergraduate study programmes at the University of Zagreb in AY 2024/2025*.

The procedure of applications to undergraduate and integrated study programmes takes place via the National IT System of Applications to Higher Education Institutions (NISpVU), which can be accessed via the website:

www.postani-student.hr

Before applying candidates are urged to have a look at the web site <https://www.studij.hr/all-about-applications> for detailed instructions.

For any additional information about the process of application and sending of documents please contact Central Applications Office at email address applications@azvo.hr. More information is available at our website.

ENGLISH LANGUAGE REQUIREMENTS

Candidates are required to submit a certificate of knowledge of the English language, if the previous education was not in English.

For more information please refer to the official web site.

MPharm Course Structure

1st year

Introduction to Pharmacy
Mathematics
Physics
Cell Biology with Genetics
General Chemistry and Stoichiometry
Physiology and Basic Anatomy
Physical Education
Analytical Chemistry
Physical Chemistry
Pharmaceutical Botany
Biostatistics
Pharmacy Practice 1

4th year

Physiological and biochemical aspects of nutrition
Pharmacology 1
Clinical Pharmacy and Pharmacotherapy 1
Magistral Pharmacy
Digital Pharmacy
Industrial pharmacy
Pharmacology 2
Toxicology
Clinical Pharmacy and Pharmacotherapy 2
Dermatopharmacy and Cosmetology
Social Pharmacy and Pharmacy Ethics
Pharmacy Practice 4

2nd year

Organic Chemistry
Pathophysiology and Pathology
Instrumental Techniques
Biological Chemistry
Microbiology and Parasitology
Physical education
Medicinal Chemistry and Drug Metabolism 1
Biochemistry
Pharmaceutics
Pharmacognosy 1
Physical Education
Pharmacy Practice 2

5th year

Pharmaceutical Care
Phytotherapy
Micronutrition
Consultation Skills
Basics in Pharmacy Business and Health Legislation
Degree Thesis
Professional Training for Pharmacists

3rd year

Molecular Biology with Genetic Engineering
Pharmacognosy 2
Drug Formulation 1
Medicinal Chemistry and Drug Metabolism 2
Biopharmaceutics and Pharmacokinetics
Medicinal Chemistry and Drug Metabolism 3
Pharmaceutical Analysis
Drug Formulation 2
Clinical Biochemistry with Haematology
Immunology
Pharmacy Practice 3

LEARNING

You will be exposed to many different styles of teaching and learning. The programme is delivered through a combination of lectures, practical classes, tutorials, problem-solving classes, clinical seminars and workshops, skills workshops with patients, independent learning and visits to community and hospital pharmacies.

EXAMS

The acquired knowledge and student competencies are evaluated by the professor during the entire semester. The following activities are evaluated: attendance and active participation in class activities, laboratory exercises, e-learning activities as well as other requirements determined in the subject curriculum. Examinations are organized in three following periods: autumn, winter and summer. Each one includes two exam terms. Student achievement is expressed by a grade that represents the overall work of the student. The grades are: excellent (5), very good (4), good (3), sufficient (2) and insufficient (1).

At the Faculty of Pharmacy and Biochemistry, we have introduced the Objective Structured Clinical Examination (OSCE), or the final exam, following the model of some other schools of medicine and pharmacy in the world. The OSCE is a type of examination designed to assess clinical skill performance and competence in a range of skills, especially communication skills. It aims to prepare students for the real-world setting of pharmacy practice. Unlike the traditional exam, the OSCE evaluates areas that are most critical to pharmacist performance in various settings of care in a structured and objective way and using prede-

defined scenarios and uniform marking schemes. The OSCE performed at the Faculty of Pharmacy and Biochemistry involves a unique component in addition to clinical and communication skills, as it also examines the skill of compounding magistral preparations in a laboratory setting.

LEARNING CROATIAN

During your first year of study, you will be required to take weekly classes of the Croatian language, provided by the Faculty in order to facilitate pharmacy practice and professional training.

WELCOME DAY

Every academic year usually starts on the first day of October with the so-called Welcome Day. During that day students are provided with all the necessary information about the study programme. Teachers and students from higher years give presentations about the Faculty of Pharmacy and Biochemistry, student life and everything else that new students might be interested in.



Student Associations

THE CROATIAN PHARMACY AND MEDICAL BIOCHEMISTRY STUDENTS' ASSOCIATION (CPSA)

Since 1994, we have been creating new relationships, promoting and bringing science closer, organizing exchanges and various activities, and contributing to the student lifestyle.

We are part of the EPSA (European Pharmacy Students' Association) and IPSF (International Pharmaceutical Students' Federation). In addition to that, at the 62nd World Congress of the IPSF in Zimbabwe, **CPSA was named the best association among its members (over 500,000 members in 100 countries) and the best association in the world!**

We invite you to get involved in our educational activities, competitions, exchanges, internships, public health campaigns, and humanitarian work because it is the experience that makes us different from the others when looking for professional work opportunities!



WE SUGGEST YOU TRY SOME OF THE FOLLOWING PROJECTS:

EDUCATIONAL ACTIVITIES

- Congress
- Virtual PharmaCon
- Soft Skills Month

COMPETITIONS

- Patient Counselling Event
- Marketing Skills Event
- Clinical Skills Event
- Dietetic-Pharmacological Approach
- Scientific Poster Competition

PUBLIC HEALTH

- CPSoAp
- #BreakTheStigma
- CPSA Healthy Lifestyle

STUDENT EXCHANGES

- Twinnet
- Student Exchange
- Programme
- Pharma Café

OFFICIAL PUBLICATION OF THE ASSOCIATION

- Recipe

HUMANITARIAN ACTIVITIES

- CPSA pancakes and fritters
- #CPSAhelps

Among many opportunities for developing your professional skills, the CPSA also offers plenty of social events. Every year, we organize games, quizzes, gatherings and parties, not only for the sake of having a lot of fun, but also to meet and connect with future colleagues. This sweet part of CPSA offers you a great chance to make as many nice memories of student life as you can.

Visit our website for more information!



We are "Shaping the future of healthcare". You can become part of our story!



STUDENT COUNCIL OF THE FACULTY OF PHARMACY AND BIOCHEMISTRY

The Student Council of the Faculty of Pharmacy and Biochemistry helps in sharing student ideas, interests, and concerns with the faculty bodies. In addition to that, we organize many educational, charity and fun events, not only for our students, but also for the broader community. Some of our projects include different fieldtrips, public forums, student welcoming party called “Brucošijada”, CinePharm, and more!

Our main goals are:

- to represent the students' views on matters that are important to them
- to enhance communication between students and the Faculty bodies and staff
- to promote an environment that allows for an educational and personal development

The Student Council is made of 18 members representing both graduate and post-graduate students. New members are elected every two years and all students who are interested in leadership, organizational behaviour, event planning and becoming more involved in the work of the Faculty are welcome to join the Student Council!

Being a member of the Student Council means meeting many new friends, getting many networking opportunities and a chance to expand your resume. And last, but not the least: this experience will teach you how to advocate for your fellow students and make sure their voice is heard!

Our projects:

STUDENT FIELD TRIPS

We organized a number of trips to Graz, Trieste, Padua and Belgrade. In this way, the students of our Faculty had the opportunity to visit their potential future jobs and connect with potential employers all over Europe!

PUBLIC FORUMS

So far, the members of the Student Council have organized two public forums titled „Vaccinated – to be or not to be“ and „The use of cannabis for medical purposes“. These forums proved to be relevant not only for students in the biomedical field, but also to the wider public. We plan to organize many more forums in the future!

CINEPHARM

The Student Council takes much pride in the educational and charity project called CinePharm. In the framework of this project, we organise monthly screenings of documentaries about a variety of topics from biomedicine. Screenings are followed by a discussion among students and leading experts in the field. During the screening we give out free popcorn and collect donations each time for a different charity.



We are the voice of the students!



SPORTS ASSOCIATION – FACULTY OF PHARMACY AND BIOCHEMISTRY UNIVERSITY OF ZAGREB (SUFBF)

Our goal is to promote various sport activities among students while encouraging an active lifestyle for preserving health.

Our main activities involve the organization of trainings for several sports, competition in numerous sports at the University level and participation in an annual sporting and educational event for students of all biomedical faculties in the region known as *Humanijada*.

Whether you are an experienced athlete who wants a chance to compete or absolutely new to sport and eager to give it a try, we've got you covered!

Our male and female futsal teams are competing at the UniSportZG university competition.

The Faculty's rowing section gathers many students, with or without any rowing experience, are achieving extraordinary results year after year through continuous training.



By playing sports we make new friendships and unforgettable memories!



Student Experience:



I've learned much more than I expected



Natan Koraj, 4th year student

The initial reason why I decided to work in a lab was my interest in pharmaceutical analysis. I also wanted to test if science is the right fit for me. Once I've got used to working in a lab, that curiosity transferred to daily experiments and became my source of motivation for all the hard work. During my time in the lab, my colleagues were always ready to give advice and good company. During those few months of practice, I've learned much more than I expected.

Miranda Sertić, Associate Professor, Natan's mentor

I find that my role as a university professor exceeds the primary teaching mission and extends to supporting our students in finding their career paths, encouraging them to follow their dreams, and shape them into future professional experts, valuable members of the community and even future leaders. Many students want to explore the possibility of working on a research project, and this experience is an excellent opportunity for them to consider a career in science.

Student Experience:



I was able to combine the research with my internship in a community pharmacy.

Elizabeta Paar, 5th year student

I decided to conduct a scientific research at my Faculty because it is something I want to do in the future. In this way, I gained the necessary experience and learned about the process. I was able to combine the research with my internship in a community pharmacy. Research while being a student is essential for anyone planning to enrol in a PhD program, so I strongly recommend it.

Eleonora De Lai, 4th year student

I decided to start scientific research because of my interest in the field of clinical pharmacy. The research was at the same time challenging and exciting. I find the whole experience very useful and motivating. The skills I have improved by doing this research are focus, patience and attention. I would definitely recommend it to students who are driven to learn constantly.



Maja Ortner Hadžiabdić, Associate Professor, mentor

It is always a pleasure to have bright and enthusiastic students and the fresh perspectives they bring to the project. I believe, it is important for pharmacy students to be exposed to research during their studies. Gaining critical appraisal skills, understanding the difficulties of data collection, understanding the evidence and new findings, limitations of the research as well as developing writing skills provides an important experience for their future career. It is a great experience to be a mentor and to observe the process of students' accelerated learning during the project and to be proud of their success.

Student Experience:



... an opportunity to learn a lot more about laboratory work and drug synthesis

Anja Kučević, 5th year student

By joining the research group at the Department of Medicinal Chemistry while still being a student gave me an opportunity to learn a lot more about laboratory work and drug synthesis than I was able to learn in the regular curriculum. I gained experience and confidence working in the laboratory and writing research papers which is both very useful for starting a scientific career. Being a pharmacy student, working at the Department of Medicinal Chemistry offered me a precious look into the research and development of new molecules as potential drugs.

Ivana Perković, Associate Professor, mentor

To be a mentor is a privilege. Working closely on a scientific problem with highly motivated students such as Anja, gives us, mentors, the opportunity to guide them through their first scientific steps and open them the door to a new career path.

MPharm STUDY PROGRAM



Alumni

→ KEY FACTS

NUMBER OF GRADUATES
MORE THAN:

11.566

NUMBER OF PhDs MORE THAN:

153

POSTGRADUATE SPECIALISTS
MORE THAN:

385



Rina Musić, MPharm, Merck Sharp & Dohme, Managing Director of Croatia & Slovenia

When I started studying at the Faculty of Pharmacy and Biochemistry of the University of Zagreb, never have I thought that this will open so many opportunities for me in both professional and private life. When it comes to my professional life, different roles have led me to my current position as the managing director for MSD Croatia & Slovenia, one of the most renowned pharma companies in the world. My university experience also brings so many nice memories with fellow students, and some of them became my friends for life! All you need is curiosity, willingness for constant learning and to follow your passion - success is granted for sure!



Marieta Duvnjak Romić, Project Leader, Novartis Pharma, Switzerland

During my graduate programme in Pharmacy, I gained solid knowledge in the basic and pharmaceutical science, significant lab experience and, most importantly, I have discovered my passion for science. PhD study at the Faculty broadened my perspective in pharmaceutical technology and reaffirmed my chosen career path – making medicines out of molecules is amazing!



Ana Soldo, MPharm, president of the Croatian Chamber of Pharmacists

Studying at the Faculty of Pharmacy and Biochemistry in Zagreb inspired my passion and aspiration to tirelessly work to create a better position for the pharmacists in the healthcare system so that they are able to transmute the ocean of very unique knowledge about drugs to patients and other healthcare workers.



Mario Završki, MPharm, Scientific Assistant, European Directorate for the Quality of Medicines

During my graduate studies in pharmacy and postgraduate studies in drug development at the University of Zagreb, I gained very solid foundations for building an international career as a competent pharmacist in the field of quality and regulatory affairs.



Kristina Skender, MPharm, MSc in Public Health and Epidemiology, PhD candidate at Karolinska Institute Pharmacy Advisor at Médecins Sans Frontières (MSF)

Studying pharmacy at the Faculty of Pharmacy and Biochemistry of the University of Zagreb has sparked my curiosity for science and made me more resilient for life challenges. Not only was I given the knowledge but also good principles of pharmacy profession were ingrained in me, which I was later able to share with others.

"Studying pharmacy at the University of Zagreb has sparked my curiosity for science and made me more resilient for life challenges."

Alumni



Marko Skelin, MPharm, PhD, specialist in clinical pharmacy General Hospital Šibenik, Member of Board of Directors European Society of Oncology Pharmacy

My university experience at the Faculty of Pharmacy and Biochemistry in Zagreb enabled me to direct my knowledge and efforts at helping patients and being a valuable member of the healthcare system. Most of my work takes place in an oncology setting where I am a member of the board of directors of the European Society of Oncology Pharmacy and a member of the General Assembly of the European Cancer Organization.



Darija Kuruc Poje, MPharm, specialist in clinical pharmacy Director of Professional Development at the European Association of Hospital Pharmacists (EAHP), Head of Hospital Pharmacy at the Dr. Tomislav Bardek General Hospital

Seeing passion and enthusiasm in my professors at the Faculty has inspired me to follow my dream path in hospital and clinical pharmacy despite everybody else's advice to find an easier career path. Today, I am a hospital pharmacy manager and the first Croatian (and female:-)) to be elected in the executive board of European Association of Hospital Pharmacists (EAHP). But most of all, I am most excited to be a PhD student at my Faculty which motivated me to follow my dreams and taught to work hard, practice and persevere.



Alen Marijam, MPharm, HEOR Lead for Europe, GSK Vaccines

My university experience in Zagreb provided me with a width of knowledge and enabled me to achieve my future passion. I also gained a handful of great friends without whom I would never be able to grow.

All you need for success is passion, preparation and a bit of good luck. Luck is always there, passions might change, so make sure you are ready when those opportunities come, and do not forget, university is both an academic and personal experience.

"My university experience in Zagreb provided me with a width of knowledge and enabled me to achieve my future passion."

Alumni



Marjana Dürrigl, PhD, MPharm, Associate Director, CMC Lead, R&D, PLIVA Croatia Ltd. (member of TEVA Group)

My professional connection with the teaching staff of the Faculty of Pharmacy and Biochemistry that started during the formal graduate and PhD education has progressed into a strong

"I am thrilled that the link between Drug Research and Development and Faculty is so well established..."

and fruitful collaboration in many different fields. I am thrilled that the link between Drug Research and Development and Faculty is so well established, scientific interests of academia and business needs of pharmaceutical industry have never been closer and such alliances always create mutual benefits.

I work as an R&D professional in a multicultural and multifunctional international team network in a global pharma company with responsibility to bring drug candidates through different pharmaceutical development stages. I consider myself privileged that I had the opportunity to translate my passion for science into applied know-how to develop and offer better therapies for patients. In more than 20 years of my professional life this inspiration has not ceased.

Science is hard work, but science is also great fun.



Martina Lauš, MPharm, Digital Projects Lead, Global Medical Affairs, Novartis, Switzerland

I graduated from the Faculty of Pharmacy and Biochemistry four years ago and I keep wonderful memories of the time I spent there. The university provides an excellent basis and covers many scientific topics, so if you are interested in research and academia, be assured that you will get plenty of knowledge and a broad understanding of the scientific concepts. I was particularly interested in the practical side of working in a community pharmacy and there are several subjects in the fourth and fifth year which give you a chance to practice and see real examples from a community pharmacy. Be prepared for engaging in debates and practical simulations - I found that really interesting and helpful. I would encourage everyone to engage in the activities run by the CPSA. That was my ticket to travelling, attending congresses, meeting pharmacists from around the world and

ultimately landing my current job at the global level in one of the biggest pharmaceutical companies, which I absolutely enjoy. I also loved the location of the university in the centre of Zagreb, making it convenient to grab a drink after lectures and exams in the Old Pharmacy Pub or one of many restaurants in the area.



Marin Banovac, MPharm, Risk Management Specialist at the European Medicines Agency

Having graduated from the Faculty of Pharmacy and Biochemistry in Zagreb, I started working in the pharmaceutical industry and later on moved towards the area of patient safety and pharmacovigilance. While working for the Croatian Medicines Agency I had the honour to represent Croatia as a member of the Pharmacovigilance Risk Assessment Committee (PRAC). Building on the solid foundations provided by the Faculty of Pharmacy and Biochemistry, I pursued postgraduate studies in clinical

"I also loved the location of the University in the centre of Zagreb..."



Marina Marušić Fojs, MPharm, founder and director, Pharmacy Marušić Fojs

pharmacology at the University of Surrey in the UK and began working at the European Medicines Agency. Today I am grateful and happy to return the favour to our Faculty by transferring my knowledge and experience to future pharmacists as the lecturer of Pharmacovigilance and Pharmacoepidemiology. The Faculty of Pharmacy and Biochemistry in Zagreb provides students with the up-to-date knowledge and skills enabling them to choose between a multitude of professional paths.

Thinking about my university years spent at the Faculty makes me proud because I can see how it evolved throughout years. I am astonished to see these amazing new generations of students coming out of the Faculty and I find great satisfaction in believing that all those previous generations, including my generation, contributed to their evolution.

Practical Information

JMBAG (Academic Citizen Unique ID Number) – an identification number assigned to every student upon enrolment in a university institution.

OIB number (Personal Identification Number) - According to the national legislation, foreign citizens who intend to study in Croatia must regulate their temporary residence. The first step is getting an OIB number.

To get an OIB number, the following documents are required:

1. Application for the determination and assignment of OIB number
2. Passport – the original is to be presented for inspection, and a copy thereof should be attached to the Application.

In exceptional cases, if the foreign natural person does not hold a passport, they shall attach to the Application the following documents:

- European Identity Card (citizens of the European Union) or
- Identification document issued by their state of citizenship with a proof of citizenship

More information available at:
<https://www.porezna-uprava.hr/en/Pages/PIN.aspx>

ACCOMMODATION

Foreign students will have to find private accommodation. Numerous apartments, condominiums, and other rental facilities are located near the Faculty of Pharmacy and Biochemistry. There are various private agencies that can assist in this process. Useful links include web portals (www.oglasnik.hr and www.njuskalo.hr).

PUBLIC TRANSPORTATION

There are three modes of public transportation - trams, buses and the city railway. They operate all day and night. Tickets can be bought on board or at newsstands. Make sure to stamp your ticket once you board: an unstamped ticket is as good as no ticket at all! Daily tickets are also available. Monthly or annual tickets can also be bought in ZET (Zagreb Electric Tram) offices (www.zet.hr).

TAXIS

You can find taxis in front of all major hotels, train and bus stations and many other central locations around the city. Bolt and Uber also operate throughout the whole city. Their services are easily accessed via mobile apps and can be paid by cash or by credit card. They often offer special discounts so make sure to compare the prices on both apps.

BIKE!

Cycling is an inexpensive means of transportation as well as good physical exercise and Zagreb is a perfect city for bicycle commuting. The terrain is mostly flat, and there is all the necessary bicycle infrastructure that consists of bike paths, lanes, roads, prescribed signalizations (traffic lights, vertical and horizontal traffic signals) and many bicycle parking racks. Some are also provided on all the Faculty locations. You can buy your own bike (new or second-hand) or you can use the Nextbike public bike-sharing system that operates throughout the whole city and is situated in the proximity of all the Faculty locations.

PHARMACIES

Pharmacies are all over the city and can be easily spotted by their green cross. Opening hours are 7AM till 8 PM but there are on-call pharmacies 24/7.

DRINKING WATER

Water is drinkable and of a high quality in the public water supply system throughout the country.

ELECTRICITY

Voltage 220 V, frequency 50 Hz

Students who need a visa to enter Croatia are obligated to start the procedure in their home country, prior to their arrival in Zagreb.

EMBASSIES IN ZAGREB

The information about diplomatic-consular missions located in the Republic of Croatia are available on the webpages of the Croatian Ministry of Foreign Affairs (<http://www.mvep.hr/en/>).

USEFUL PHONE NUMBERS

Croatian country code	385
Zagreb city code	01
Croatian exit code	00
Police	92
Fire brigade	93
Ambulance	94
Emergency Call Service	112

HEALTH INSURANCE

All students are required to maintain adequate health insurance during their study period in Zagreb. If you have a EU citizenship, you should have a European Health Insurance Card. You may also have an international health insurance policy. Detailed information can be found on the Croatian Health Insurance Fund web site: <http://www.hzzo.hr/en>

About Zagreb

- Zagreb, the capital of Croatia, located at the historical and political threshold between the East and the West, illustrates both the continental and Mediterranean spirit of the nation it spearheads. Zagreb is the cultural, scientific, economic, political and administrative centre of the Republic of Croatia, and home to the Croatian Parliament, Government and President.
- Zagreb has culture, arts, music, architecture, gastronomy and all other things that make an interesting capital city
- Zagreb can be described as a city with the biggest lounge. The moment the sun appears in the sky in spring, restaurant, cafés and coffeehouse terraces open for customers. Streets become promenades, places to get a cup of coffee, relax or have a business meeting.
- A population of little under one million citizens
- High quality of life
- Lower living costs than other EU capitals
- A wide variety of cultural and social events
- The safest EU Member State
- Infrastructure for sports and recreation
- Excellent air quality, good quality drinking water and a mild climate
- A large number of parks and green areas
- Possibility to enjoy hiking in Medvednica Mountain (1035 m), only 30 minutes away from the city centre
- You can enjoy a day at the beach by the Jarun Lake
- Just a short ride away from the Adriatic, one of the most beautiful sea costs in the world
- Possibility to enjoy (one of) the best Christmas market(s) in Europe



Photo: Zoran Jelača



Photo: Zoran Jelača

Kornati Islands National Park:
about 300 km from Zagreb



Plitvice Lakes National Park:
130 km from Zagreb

Photo: Luka Esenko

This brochure is for information purposes only. Information contained herein is subject to change at any time by administrative decision on the direction of the Faculty Council. Updated information can be found on our website: mpharm.pharma.hr.

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Photo archive of the Faculty

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UNIVERSITY OF ZAGREB
FACULTY OF
PHARMACY AND
BIOCHEMISTRY

Pharma **5.0**