



**GUIDE TO
PHD STUDIES
AT UBMI**

PHD STUDIES AT UBMI

During doctoral studies, you will primarily focus on scientific work in both basic and applied research. Most of the topics addressed at UBMI are carried out in collaboration with foreign or domestic partners. Therefore, as a doctoral student, you will gain a wealth of valuable experience and skills working in international teams or in scientific laboratories.

The standard duration of the program is 4 years, during which doctoral students typically spend several months on an international internship. Our doctoral students have had the opportunity to work, for example, at Leipzig University, University of Minnesota, University of Nebraska – Lincoln, Ludwig Maximilians University Munich, or University of Valencia. During these stays, you will meet many distinguished experts in the field, as well as wonderful individuals who are as enthusiastic about science as you are.

Throughout your studies, you will complete several courses to complement your knowledge in your dissertation area, acquire soft skills, and learn teamwork. You will also participate in teaching, supervise bachelor's and master's theses, actively participate in professional conferences or workshops, and publish in scientific journals... but above all, you will dedicate yourself to scientific research and take your first major steps in your scientific career.





WHY CHOOSE TO STUDY A PHD AT UBMI?

- ▶ Quality scientific background in top-notch laboratories
- ▶ Working on meaningful scientific projects
- ▶ Support for both individual and team approaches during studies
- ▶ Work in top research teams
- ▶ Support for participation in conferences and internships
- ▶ Quality team environment composed of supervisors and scientific colleagues



**QUALITY SCIENTIFIC
BACKGROUND IN TOP-
NOTCH LABORATORIES**

We annually renew the equipment in our laboratories to conduct science at a global level. For instance, in the past 5 years, we have invested over 35 million CZK into the laboratories of biophysics and bioinformatics.

**WORKING ON SCIENTIFIC
PROJECTS THAT MAKE
SENSE**

A number of past and ongoing projects at UBMI are supported by national and international agencies, which provide grants for high-quality research proposals.

Currently, at UBMI, we are working on more than 10 research projects funded by the Czech Science Foundation, Technology Agency of the Czech Republic, Office of Naval Research and European Space Agency.

**SUPPORT FOR BOTH
INDIVIDUAL AND TEAM
APPROACHES DURING**

Every team member works differently, and that's why we encourage teamwork while also supporting individuality with the opportunity to promote one's own ideas.

**INCREASE OF THE STIPEND
BEYOND THE STANDARD
SUPPORT**

You will receive an additional stipend of at least 20,000 CZK.

Additionally, you will be rewarded for your scientific results and teaching activities.



**QUALITY TEAM
ENVIRONMENT COMPOSED
OF SUPERVISORS AND
SCIENTIFIC COLLEAGUES**

Your supervisor will be your main *scientific guru*.

However, our traditional informal coffee meetings are an invaluable source of inspiration for solving small problems as well as big challenges that you will undoubtedly encounter.

**SUPPORT FOR INTERNSHIPS
AND COLLABORATION WITH
FOREIGN PARTNERS**

We traditionally support trips abroad, where doctoral students have the opportunity to learn new research methodologies and present their results.



HOW TO APPLY?

It all starts with a potential supervisor. Contact them and schedule a meeting. The supervisor will tell you all about the specific scientific questions you will be addressing and also answer any general questions regarding doctoral studies.

DATES AND TIPS

The list of topics is annually published usually in February and the deadline for applications is at the end of April.

If you are interested in doctoral studies or have any questions, feel free to contact professor Kolář anytime during your bachelor's or master's studies.

SUBMIT AN APPLICATION

You submit the application electronically.

<https://www.vutbr.cz/eprilaska/>

Then you have to write a motivational letter and start your journey!

ARE YOU CONSIDERING YOUR OWN TOPIC?

UBMI offers a wide range of topics derived from currently ongoing projects. You can get involved in research such as mitochondrial activity of cells in regenerative medicine, analysis of bacterial genomes, pharmacokinetic modeling, development of methods for analyzing biomedical imaging data from various modalities, assessment of health and physical activity using wearable electronics, and many other topics. You can find the current offer at <https://www.ubmi.fekt.vut.cz/nabidka-studijnich-programu>

Do you have your own ideas and visions for research? Great! We welcome new ideas. **Contact Radim Kolář** and discuss your idea with him. He will guide you to a supervisor.

WE LOOK FORWARD
TO SEEING YOU

