WHY SHOULD I STUDY PBIOC?

✓ Combination of practice and theory
✓ Research-oriented and intensive practical training
✓ Broad spectrum of cell- and neurobiological sciences
✓ Interdisciplinary
✓ Advanced methods and modern equipment
✓ Individual focus setting
✓ Welcoming and personal atmosphere
✓ Small classes
✓ English as medium of instruction
✓ International
✓ Scientific campus with short distances to different research institutions
✓ Connection to the local research environment
✓ Career opportunities

FURTHER INFORMATION...

...about the Master programme Physical Biology of Cells and Cell Interactions can be found at goethe.link/msc-pbioc

STUDYING IN FRANKFURT

About the Goethe-University

The Goethe-University is a research-strong university in the European financial metropolis Frankfurt. Lively, urban and cosmopolitan, it possesses a unique degree of independence as a foundation university.

Founded in 1914 by Frankfurt citizens as the first foundation university in Germany, it is the third-largest university in Germany with more than 48,000 students (as of WS 17/18).

With currently three excellence clusters, nine LOEWE centres and research clusters, and ten Collaborative Research Centres, the Goethe-University proves its research strength on a daily basis. Close collaborations contribute to solving political, social, economic and cultural issues. On the basis of the broad spectrum of subjects offered, the Goethe-University commits to an educational ideal in the spirit of Humboldt.

Frankfurt - surprisingly different!

A small metropolis: Frankfurt is more than stock exchange, skyline and airport. Global thinking and local traditions stand side by side. International public meets village structures and lively society life. Whether opera or drama, zoo and palm garden, sports and museums, international fairs or rustic Äbbelwoikneipen - the centre of the Rhein-Main region offers something for almost every taste.

In short: Frankfurt is definitely worth a second look!

CONTACT

Goethe-Universität Frankfurt am Main
Faculty 15 - Biological Sciences
Institute of Cell Biology and Neuroscience
Max-von-Laue-Straße 13
60438 Frankfurt

Programme coordinator
Dr. Isabell Smyrek
e-Mail: Info-MasterPBIOC@bio.uni-frankfurt.de | Tel.: +49 (69) 798-42018

Head of the programme and chairman of the examination board
Prof. Dr. Stefan Eimer

Last update: January 2020 | Photos: von Wangenheim, Bernardi, Moreth, Dettmar
Please inform yourself about current changes on the Goethe-University website.

AT A GLANCE

<table>
<thead>
<tr>
<th>Degree</th>
<th>Master of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration of study</td>
<td>4 Semester</td>
</tr>
<tr>
<td>Begin of study</td>
<td>Winter term</td>
</tr>
<tr>
<td>Admission restriction</td>
<td>Yes</td>
</tr>
<tr>
<td>Language of instruction</td>
<td>English</td>
</tr>
</tbody>
</table>

FURTHER INFORMATION...

...about the Master programme Physical Biology of Cells and Cell Interactions can be found at goethe.link/msc-pbioc

Combination of practice and theory
Research-oriented and intensive practical training
Broad spectrum of cell- and neurobiological sciences
Interdisciplinary
Advanced methods and modern equipment
Individual focus setting
Welcoming and personal atmosphere
Small classes
English as medium of instruction
International
Scientific campus with short distances to different research institutions
Connection to the local research environment
Career opportunities

AT A GLANCE

<table>
<thead>
<tr>
<th>Degree</th>
<th>Master of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration of study</td>
<td>4 Semester</td>
</tr>
<tr>
<td>Begin of study</td>
<td>Winter term</td>
</tr>
<tr>
<td>Admission restriction</td>
<td>Yes</td>
</tr>
<tr>
<td>Language of instruction</td>
<td>English</td>
</tr>
</tbody>
</table>

FURTHER INFORMATION...

...about the Master programme Physical Biology of Cells and Cell Interactions can be found at goethe.link/msc-pbioc

Combination of practice and theory
Research-oriented and intensive practical training
Broad spectrum of cell- and neurobiological sciences
Interdisciplinary
Advanced methods and modern equipment
Individual focus setting
Welcoming and personal atmosphere
Small classes
English as medium of instruction
International
Scientific campus with short distances to different research institutions
Connection to the local research environment
Career opportunities

AT A GLANCE

<table>
<thead>
<tr>
<th>Degree</th>
<th>Master of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration of study</td>
<td>4 Semester</td>
</tr>
<tr>
<td>Begin of study</td>
<td>Winter term</td>
</tr>
<tr>
<td>Admission restriction</td>
<td>Yes</td>
</tr>
<tr>
<td>Language of instruction</td>
<td>English</td>
</tr>
</tbody>
</table>

FURTHER INFORMATION...

...about the Master programme Physical Biology of Cells and Cell Interactions can be found at goethe.link/msc-pbioc

Combination of practice and theory
Research-oriented and intensive practical training
Broad spectrum of cell- and neurobiological sciences
Interdisciplinary
Advanced methods and modern equipment
Individual focus setting
Welcoming and personal atmosphere
Small classes
English as medium of instruction
International
Scientific campus with short distances to different research institutions
Connection to the local research environment
Career opportunities

AT A GLANCE

<table>
<thead>
<tr>
<th>Degree</th>
<th>Master of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration of study</td>
<td>4 Semester</td>
</tr>
<tr>
<td>Begin of study</td>
<td>Winter term</td>
</tr>
<tr>
<td>Admission restriction</td>
<td>Yes</td>
</tr>
<tr>
<td>Language of instruction</td>
<td>English</td>
</tr>
</tbody>
</table>

FURTHER INFORMATION...

...about the Master programme Physical Biology of Cells and Cell Interactions can be found at goethe.link/msc-pbioc

Combination of practice and theory
Research-oriented and intensive practical training
Broad spectrum of cell- and neurobiological sciences
Interdisciplinary
Advanced methods and modern equipment
Individual focus setting
Welcoming and personal atmosphere
Small classes
English as medium of instruction
International
Scientific campus with short distances to different research institutions
Connection to the local research environment
Career opportunities

AT A GLANCE

<table>
<thead>
<tr>
<th>Degree</th>
<th>Master of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration of study</td>
<td>4 Semester</td>
</tr>
<tr>
<td>Begin of study</td>
<td>Winter term</td>
</tr>
<tr>
<td>Admission restriction</td>
<td>Yes</td>
</tr>
<tr>
<td>Language of instruction</td>
<td>English</td>
</tr>
</tbody>
</table>

FURTHER INFORMATION...

...about the Master programme Physical Biology of Cells and Cell Interactions can be found at goethe.link/msc-pbioc

Combination of practice and theory
Research-oriented and intensive practical training
Broad spectrum of cell- and neurobiological sciences
Interdisciplinary
Advanced methods and modern equipment
Individual focus setting
Welcoming and personal atmosphere
Small classes
English as medium of instruction
International
Scientific campus with short distances to different research institutions
Connection to the local research environment
Career opportunities

AT A GLANCE

<table>
<thead>
<tr>
<th>Degree</th>
<th>Master of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration of study</td>
<td>4 Semester</td>
</tr>
<tr>
<td>Begin of study</td>
<td>Winter term</td>
</tr>
<tr>
<td>Admission restriction</td>
<td>Yes</td>
</tr>
<tr>
<td>Language of instruction</td>
<td>English</td>
</tr>
</tbody>
</table>
CONTENTS OF STUDY

The two-year Master’s programme Physical Biology of Cells and Cell Interactions (further) professional qualification and opens the door to a scientific career as well as for many other professional fields outside of research. The opportunities for doctoral studies in Frankfurt are excellent due to the numerous and well-networked research groups at the university and public research institutions.

The Master’s degree in PBioC is a (further) professional qualification and opens the door to a doctorate, which qualifies for a scientific career as well as for many other professional fields outside of research. The opportunities for doctoral studies in Frankfurt are excellent due to the numerous and well-networked research groups at the university and public research institutions.

PROFESSIONAL FIELDS AND PERSPECTIVES

The fields of activity of Master graduates include research, teaching and research management at universities, clinics and other public research institutions. Further fields are employment in industry and economy, moreover in research and development, production, quality assurance, marketing or sales, e.g. in the medical field or in the pharmaceutical industry.

The Master’s degree in PBioC is a (further) professional qualification and opens the door to a doctorate, which qualifies for a scientific career as well as for many other professional fields outside of research. The opportunities for doctoral studies in Frankfurt are excellent due to the numerous and well-networked research groups at the university and public research institutions.

COURSE OF STUDY

<table>
<thead>
<tr>
<th>Sem.</th>
<th>Study section</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introductory session</td>
</tr>
<tr>
<td>2</td>
<td>Advanced cell biology II (lecture, seminar and colloquia)</td>
</tr>
<tr>
<td>3</td>
<td>Current concepts in cell biology (project work and seminar), Advanced methods in cell biology (practical course and seminar)</td>
</tr>
<tr>
<td>4</td>
<td>Master thesis (6 months in a research group)</td>
</tr>
</tbody>
</table>

* The modules are to be selected from a wide range of electives.

Information on the contents of the individual modules can be found in the current module handbook at [goethe.link/msc-pbio-content](goethe.link/msc-pbio-content).

REQUIREMENTS

Formal prerequisites for study are a Bachelor degree from an institution of higher education (i.e., university or university of applied sciences) in biology, medicine, chemistry, physics, mathematics, or related sciences with a standard study period of 6 semesters. Preparatory internships, vocational training or work experience are not required for the admission to the Master programme.

Temporary admission is possible subject to reservation if at least 80% of the CP required for the Bachelor’s degree (usually 144 CP) have been achieved.

If not a native speaker, the applicant has to provide a proof of knowledge of English language skills on B2 level of the Common European Framework of Reference Languages (CEFR).

A basic knowledge of German is recommended for the daily private activities but is not a must.

APPLICATION

The Master programme can only be taken up in winter term. Application deadline for the academic year beginning in winter semester is May 31. Further information on the admission requirements and application procedure can be found at [goethe.link/msc-pbio-application](goethe.link/msc-pbio-application).

WE ARE LOOKING FORWARD TO YOUR APPLICATION!

RESEARCH LOCATION FRANKFURT

The research of the Institute of Cell Biology and Neuroscience focuses on cell and neurobiological questions ranging from the characterization and analysis of biological processes on the molecular, cellular and organismic level to their modeling. Three questions are of primary interest: (1) How do genes and their products interact during the development of an organism and how are disorders of these interactions related to the development of diseases? (2) How are organs formed during the development of an organism? (3) How are learning and behavior coordinated?

The Physical Biology of Cells and Cell Interactions program includes the Faculty of Biological Sciences, research groups from the Faculty of Medicine, the neuroscientific Edinger Institute, the Max Planck Institute for Heart and Lung Research, the Frankfurt Institute for Advanced Studies (FIAS), and the Paul Ehrlich Institute.

The students benefit from the Goethe-University’s international network and from numerous interdisciplinary research approaches. Modern course rooms, a large library for natural sciences, computer pools, and the Science Garden, together with the proximity to non-university research institutions, provide an inspiring study environment at Campus Riedberg.