



University
of Basel

BIOZENTRUM

The Center for
Molecular Life Sciences

Postgraduate studies at the Biozentrum



PhD
Students &
Postdocs.

For more than 50 years we have studied the mystery of how molecules and cells create life – from the atom to the organism. Being one of the leading life sciences institutes in the world, our interdisciplinary research has spawned many fundamental discoveries in biology and medicine as well as several Nobel laureates.

“ We are a lively, international community of more than 30 research groups with about 140 PhD students and 120 Postdocs. Our aim is to inspire the next generation of scientists. Come join us! ”

Prof. Alex Schier,
Director of the Biozentrum



Why choose the Biozentrum International PhD Program?

As a PhD student at the Biozentrum you will ...

- ... benefit from cutting-edge research and interdisciplinary collaborations.
- ... participate in our outstanding Graduate Teaching Program offered in collaboration with scientists from the Friedrich Miescher Institute, the Department of Biosystems Science and Engineering of the ETH Zurich, the Department of Biomedicine, and the Swiss Tropical and Public Health Institute.
- ... attend practical courses like “How to be a scientist” or “Academic writing and publishing”.
- ... acquire know-how in state-of-the-art technologies such as imaging, proteomics, genomics and biophysics.
- ... be individually mentored and coached by a Faculty Member and your PhD Advisory Committee.
- ... gain experience in teaching.
- ... have numerous networking opportunities with the international science community.
- ... be part of the lively PhD community with its own retreat, lectures, career and social events.

Applications for the International PhD Program can be submitted directly to the head of a research group.

PhD Student Office

www.biozentrum.unibas.ch/phd
phd-biozentrum@unibas.ch

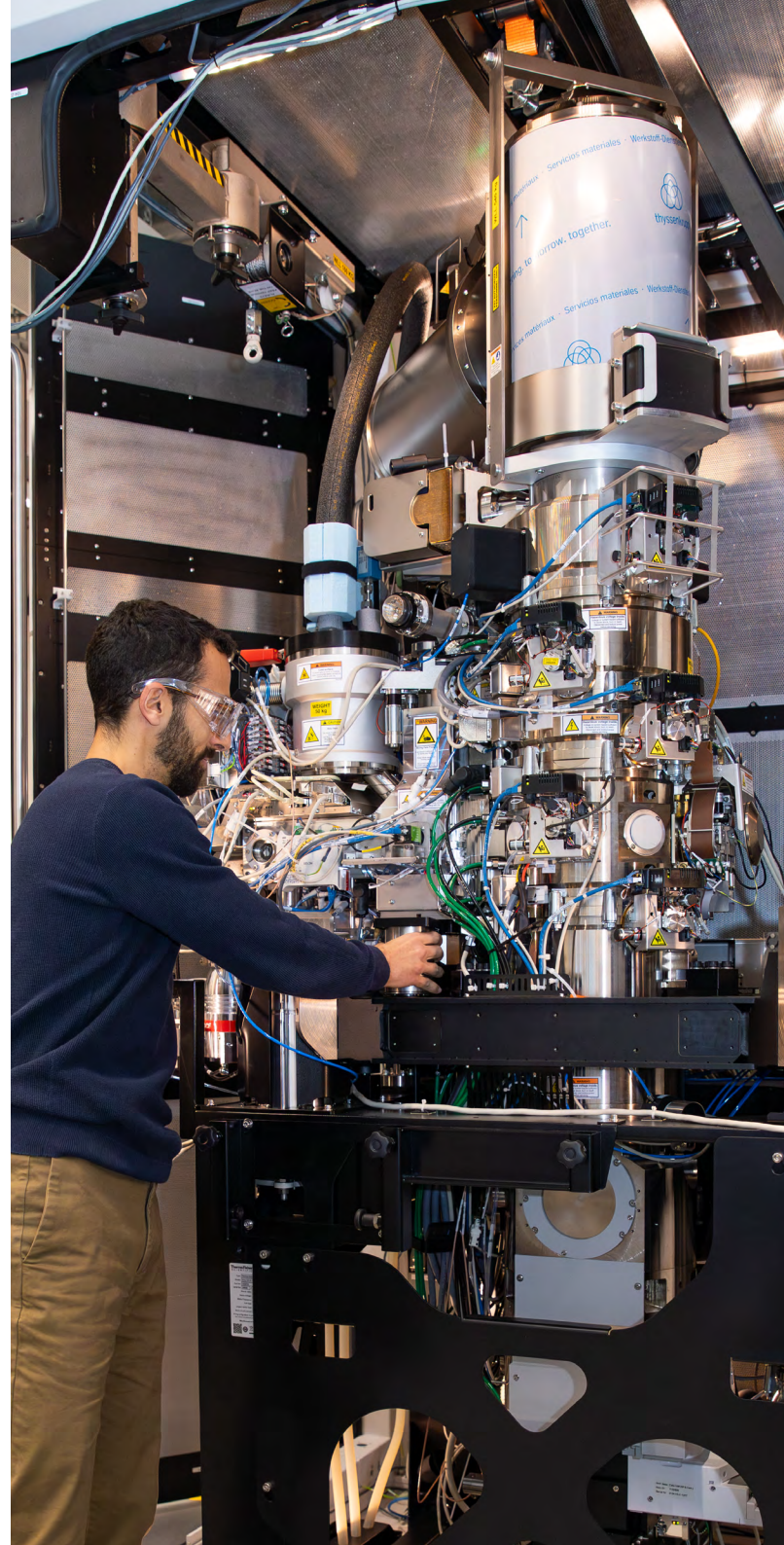
Why apply for a Biozentrum PhD Fellowship?

As a Biozentrum PhD Fellow you will...

- ... have the unique opportunity to experience different research groups before you decide in which lab to do your PhD.
- ... be one of the successful candidates awarded with a fellowship on a competitive basis.
- ... get full funding for your PhD position and a personal annual stipend for meetings, books or utilities.
- ... network with current students and alumni of the PhD Fellowships Program.
- ... get support for the preparation of your future postdoctoral applications.

Applications for the Biozentrum PhD Fellowships can be submitted online during two calls per year.

www.biozentrum.unibas.ch/excellence
phd-fellowships-biozentrum@unibas.ch



Why choose the Biozentrum to do a Postdoc?

As a Postdoc at the Biozentrum you will...

- ... benefit from cutting-edge research characterized by interdisciplinary collaborations.
- ... have access to state-of-the-art technology platforms and an excellent scientific IT infrastructure.
- ... encounter an open and collegial working atmosphere, creating a successful research culture.
- ... profit from the unique density of research institutes and pharmaceutical and biotechnology companies in Basel.
- ... exploit collaborations and partnerships within our worldwide network.
- ... participate in tutoring and teaching.
- ... have access to a wide range of transferable skills courses.
- ... be supported by the Biozentrum Postdoc Society in questions of career planning, funding and networking.
- ... have the opportunity to attend the annual three-day Basel Postdoc Network Meeting for academy and industry.

Applications

www.biozentrum.unibas.ch/open-positions

Why choose Basel as the place to live?

Basel is embedded in Europe's most important Life Sciences hub, located in the heart of Europe. It's a green city with a beautiful old town, the Rhine for swimming, and offers unlimited culture with almost 40 museums, many theaters, and numerous music events. The nearby Alps invite you to hike, cycle, or ski. No wonder Basel is one of the top cities with the highest quality of living worldwide. Basel is also an international melting pot with people from 160 nations and the most dynamic economic region of Switzerland.



Research Fields

Our research is dedicated to the central question of how molecules and cells create life. We study the physical and biochemical mechanisms of cells and explore the behaviors and dynamics of multicellular communities. Accordingly, our research fields are very diverse:

- » Computational and Theoretical Biology
- » Developmental, Regenerative and Stem Cell Biology
- » Evolution and Ecology
- » Genetics and Genomics
- » Microbiology, Infection Biology and Immunology
- » Molecular and Cellular Biology
- » Molecular Medicine, Physiology, Metabolism and Aging
- » Multicellular Dynamics
- » Neuroscience
- » Physics of Life
- » Signaling and Gene Regulation
- » Structural Biology, Biochemistry and Biophysics
- » Systems and Synthetic Biology

Technology Platforms and Services

Our technology platforms and services teams provide you with world-class instrumentation and support you with their expertise. They also assist you in creating your own customized instrumentation.

BioEM Lab Investigation of structures using electron microscopy

Bioinformatics Core Facility Data analysis and data management support

Biophysics Facility Measurement of interactions, stability and size of molecules

Electronic & Mechanical Workshops Custom-made lab equipment, maintenance and repair

FACS Core Facility Flow cytometry and cell sorting

Genomics Facility Basel Sequencing techniques in genomics and epigenomics

Imaging Core Facility Light microscopy and imaging analysis

Media & Lab Ware Preparation Provision of ready to use pipette tips, glassware, lab coats and media

Proteomics Core Facility Analysis of proteins using mass spectrometry

Research IT Bridging research and IT

Research Instrumentation Facility Catalyzing instrument development

sciCORE High-performance computing and data management

Swiss High-field NMR Facility Studying macromolecules at atomic level



“ We cherish our community and offer many opportunities for scientific and social exchange, family-friendly working conditions and diverse counseling services. Equity, diversity and inclusion are important to us.”

Community

Discovery Seminars

On Fridays we meet for talks given alternately by guest speakers and Biozentrum PhDs and Postdocs followed by a get-together.

Fit for fun

We play soccer with other institutes, organize a staircase run and enjoy the one or other of the over 100 sports offered by the university.

Happy Hour

Regularly a different research group invites you to join the happy hour with food, drinks and entertaining activities.

Science Lounge

We have a beautiful Science Lounge where you can meet with your colleagues for lunch or celebrate your graduation.

Support Services

The University of Basel offers many counseling services covering career, diversity, conflicts, mental health to parenthood. We also have a welcome center for newcomers.

Symposia and Retreat

Every year, we organize a symposium or a multi-day retreat. All researchers and students are invited.



Biozentrum, University of Basel
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www.biozentrum.unibas.ch