Bachmair / Schlögelhofer Lab

MENTOR, a novel Austrian PhD program

dedicated to uncover molecular mechanisms of plant resilience

About the program

The Doctoral Program “MENTOR”, funded by the Austrian Science Fund, brings together some of Vienna's leading plant biology researchers to provide a stimulating and state-of-the-art training environment. MENTOR (**M**olecular M**E**cha**N**isms **T**o Impr**O**ve Plant **R**esilience) investigates different aspects of plant resilience, a highly relevant and pressing topic in a changing climate. MENTOR aims at providing insights into the molecular mechanisms of plant acclimation to stress. Nine highly experienced and competent research groups with complementary expertise in distinct aspects of plant stress responses will convey the necessary expertise to address these challenges.

The program is hosted by the University of Vienna in cooperation with the Gregor Mendel Institute (GMI of the Austrian Academy of Sciences), the Austrian Institute of Technology (AIT), and the University of Natural Resources and Life Sciences (BOKU).

Candidates

We are looking for highly motivated applicants that would like to work in the fields of plant stress biology focusing on post-translational protein modifications. We are employing methods of plant physiology, from biochemistry, cell biology, next generation -omics, and genetics, to cutting-edge phenotyping. The combination of transcriptomic, proteomic and metabolomic analyses combined with network analysis and modeling will guide through the discovery of regulatory principles of stress responses. MENTOR early-stage researchers will thus have the unique opportunity to be trained in and to apply diverse state-of-the-art technologies, allowing a comprehensive approach for their research projects.

About the position

A combination of seminars, lectures, workshops with international specialists, and the individual research projects will provide excellent training. In addition, research visits abroad and participation in international congresses are encouraged. Moreover, MENTOR exposes the young researchers also to a diverse set of international research projects including many non-academic partners, which will boost their future career perspectives. Finally, in addition to the scientific knowledge, a strong focus will be on the training in transferable skills.

By joining us, you will become part of a diverse group of students being educated and inspired by MENTOR to unlock your intellectual potential and to help you to become a successful innovation leader. This way, you will address key questions in plant sciences that are of high scientific and social relevance.

MAX PERUTZ LABS
Vienna BioCenter (VBC) • Dr.-Bohr-Gasse 9 • 1030 Vienna
Tel: +43 1 4277 24001 • office@maxperutzlabs.ac.at
www.maxperutzlabs.ac.at

A joint venture of
universität wien
MEDIZINISCHE UNIVERSITÄT WIEN
Part of
Vienna BioCenter

Application

For more information and **online application** (latest **until September 27**, 2021), please visit: https://mentor.univie.ac.at/, Bachmair Lab, Schlögelhofer Lab

About the Max Perutz Labs

The Max Perutz Labs are a research institute established by the University of Vienna and the Medical University of Vienna to provide an environment for excellent, internationally recognized research and education in the field of Molecular Biology. Dedicated to a mechanistic understanding of fundamental biomedical processes, scientists at the Max Perutz Labs aim to link breakthroughs in basic research to advances in human health. The Max Perutz Labs are located at the Vienna BioCenter, one of Europe's hotspots for Life Sciences, and host around 50 research groups, involving more than 450 scientists and staff from 40 nations.
www.maxperutzlabs.ac.at

MAX PERUTZ LABS
Vienna BioCenter (VBC) • Dr.-Bohr-Gasse 9 • 1030 Vienna
Tel: +43 1 4277 24001 • office@maxperutzlabs.ac.at
www.maxperutzlabs.ac.at