STUDY PROGRAM

1 st to 3 rd Semester	
Current Topics in General Genetics	6 CP
Current Topics in Developmental Genetics	6 CP
Current Topics in Plant Physiology	6 CP
Comparative Innate Immunity in Animals and Plants	6 CP
Required elective modules in cell and molecular plant biology, section 1	12 CP
Required elective modules in cell and molecular plant biology, section 2	24 CP
Required elective modules in biology	18 CP
Interdisciplinary Master's Module	12 CP
4th Semester	
Master's Thesis	30 CP

CP: ECTS credit points

Required elective modules in cell and molecular plant biology, section 1 (6 CP per module)

- Molecular Methods in General Genetics
- Molecular and Cellular Principles of Plant Development
- Molecular Plant Physiology I
- Experimental Cell Biochemistry

Required elective modules in cell and molecular plant biology, section 2

- Advanced-Level Course in General Genetics, Developmental Genetics, Plant Biochemistry or Plant Physiology (12 CP per module)
- Advanced Molecular Plant Biology I or II (6 CP per module)
- Molecular Methods in Cell and Molecular Plant Biology (12 CP)
- Molecular Signaling in Plants (12 CP)

The required elective modules in biology can be chosen from the module catalogues of the Department of Biology. The interdisciplinary master's module can be chosen from the general catalogue of the University of Tübingen. BIOLOGIE @ TÜBINGEN

The Department of Biology in Tübingen can look back on a long tradition. It was one of the first biology departments to be established in Germany. In teaching and research, we offer a very broad spectrum of methods from classical to modern. State-of-the-art course rooms and laboratories are provided for teaching. Research is focused on our core research areas, Evolution and Ecology, Microbiology / Infection Biology, Neurobiology, Plant Molecular Biology and Molecular Cell Biology and Immunology. We work in close cooperation with the Faculty of Medicine, the Department of Geosciences and the Max Planck Institutes in Tübingen.

The University of Tübingen

Innovative. Interdisciplinary. International. Since 1477. These have been the University of Tübingen's guiding principles in research and teaching ever since it was founded. With this long tradition, the University of Tübingen is one of the most respected universities in Germany. Recently, its institutional strategy was successfully selected for funding in the Excellence Initiative sponsored by the German federal and state governments, making Tübingen one of Germany's eleven universities distinguished with that title of excellence. Tübingen has also proven its status as a leading research university in many national and international competitions — in key rankings Tübingen is listed among the best universities for the Humanities and Social Sciences as well as for Science and Medicine.

The Town of Tübingen

Tübingen does not have a university, it is a university: young, creative, open, innovative. The picturesque historical town center and its attractive position on the Neckar River offer a high quality of life whether you are studying, working, or taking a break.

Academic Advisory Service: Dr. Matthias Stoll University of Tübingen · Faculty of Science Department of Biology Auf der Morgenstelle 28 · 72076 Tübingen Phone: +49 7071 29-76860 · Fax: +49 7071 29-5344 www.biologie.uni-tuebingen.de beratung@biologie.uni-tuebingen.de







CELL & MOLECULAR PLANT BIOLOGY

Master of Science

FACULTY OF SCIENCE

Department of Biology



PROGRAM PROFIL

The Master's degree course, Cell and Molecular Plant Biology, provides students with a research-centered, in-depth professional and methodological understanding of the life sciences with a particular emphasis on the diverse life processes in plants. In addition to a high-standard scientific qualification the course equips students with a sophisticated and comprehensive range of interdisciplinary professional skills.

Scientific Profile

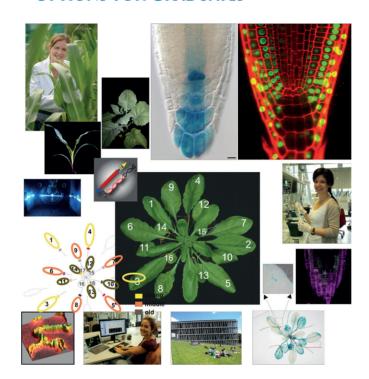
The Center for Plant Molecular Biology (ZMBP) is one of the research centers in Germany with an international impact. The center's independent research groups work on cutting-edge research topics and issues. Focus is on the molecular mechanistic clarification of the interaction of plants and pathogens, as well as on developmental and cell sorting processes and reaction and adaptation to changing environmental conditions.

Supplementary Subjects

In addition to the required elective modules in biology, three supplementary subjects, Ethics in the Life Sciences (12 CP), Human Genetics (18 CP) and Parasitology (18 CP), may be chosen.

We work in close cooperation with the Max Planck Institutes in Tübingen, the Faculty of Medicine (particularly Human Genetics, Medical Microbiology/Virology and Parasitology) and the Department of Geosciences.

OPTIONS FOR GRADUATES



Career Options

a) Professional qualifications

Graduates have a broad, research-centered professional profile with a thorough understanding of advanced level methods in the life and natural sciences.

b) Opportunities for further study (postgraduate studies) Doctoral studies (Ph.D.)

REQUIREMENTS

To enter the course, a bachelor's degree in biology or a related subject with a grade of 2.5 or better is required.

The bachelor's degree grade can be upgraded by up to 0.5 bonus points via additional qualifications such as vocational training or publications.

Further requirement: English language proficiency at B2 level. More details on admission requirements can be found at: www.uni-tuebingen.de/de/63317

Other Prerequisites

The study program requires enthusiasm, curiosity and commitment. We expect a keen interest in the natural sciences as well as a willingness to acquire insight into complex scientific issues, to work scientifically and to communicate in English in written and oral form.

The program is taught is English.

INFORMATION FOR APPLICANTS

The Master course Cell and Molecular Plant Biology starts in either the winter semester (application deadline: July $15^{\rm th}$) or the summer semester (application deadline: January $15^{\rm th}$)

Application is to be submitted online only via https://movein-uni-tuebingen.moveonnet.eu/movein/portal/studyportal.php

FIND OUT MORE

www.biologie.uni-tuebingen.de