

Research Internships at the TUM School of Life Sciences:

The WZW offers a large number of highly attractive research internships, research projects and practical courses. In the internships you work hands on in small groups or with an individual supervisor (typically a Ph.D. student or post-doc) on an independent lab project. These projects are typically part of the ongoing research of the host laboratory. You will learn about the general topic of research as well as the state-of-the-art techniques used to answer these research questions. Research internships usually comprise 10 ECTS (equal to an overall workload of 300 hours or 6 weeks) and can be taken either in the winter or summer term. The internships are typically concluded by an oral presentation or a written report (or both) about your project.

During the internship it is usually tolerated that the students attend lectures or seminars in parallel, as long as these modules are also located on the WZW campus. If you want to avoid this double work load you might also be able to schedule the internship after the regular lecture periods, when you are done with your module exams. In this case you might consider extending your stay at TUM for several weeks.

A research internship has to fit to the candidate's interests and experience as well as the host lab's projects. Thus, you have to apply directly to the professor in charge and negotiate the terms of your internship. Don't be disappointed if you are not successful with your first application, sometimes there are just no fitting projects at the time of your application.

If you want to apply for a research internship, you should look at the professor's homepage or even read his latest research papers before you contact them. The more you know about their work and why you are particularly interested in the lab, the better your chance of acceptance. Please also mention that you are at WZW as an ERASMUS exchange student.

We have gathered a list of available courses that you can find on the following pages. In all research labs on campus the „lab-language“ is usually English, thus all internship modules can be considered as English spoken modules even if it is not mentioned as such in TUMonline. Please contact the person in charge of the module (indicated in the list) for more information. Enrollment in each of these internships is only possible after individual agreement with the person in charge.

Topic	Number	Professor	Contact Email	Term	ECTS
Computing for Hightthroughput Biology	WZ2400	Bauer	e.bauer@tum.de	WS/SS	10
Molecular Fungal Genetics	WZ1817	Benz	benz@hfm.tum.de	WS/SS	10
Horticultural economics and management	WZ1718	Bitch	bitsch@tum.de	WS/SS	10
Novel Therapeutic Strategies to Treat Aging-Related Diseases	WZ0267	different labs	N.A.	WS/SS	10
Pharmacology and Toxicology	WZ2414	Engelhardt	Stefan.Engelhardt@tum.de	WS/SS	10
Methods in Fish Biology and Aquatic Ecology	WZ2390	Geist	geist@tum.de	WS/SS	10
Methods in Fish Biology and Aquatic Ecology - Organismic	WZ2406	Geist	geist@tum.de	WS/SS	10
Mapping Neural Circuits Underpinning Behavior	WZ2687	Grunwald-Kadow	grunwald@wzw.tum.de	WS/SS	10
Molecular Genetics of Plant-Microbe Symbiosis 2	WZ2762	Gutjahr	caroline.gutjahr@tum.de	WS/SS	10
Nutrition and Immunology	WZ2399	Haller	dirk.haller@tum.de	WS/SS	10
Phytopathology	WZ2273	Hückelhöven	hueckelhoven@tum.de	WS/SS	10
Plant Immunology	WZ0632	Hückelhöven	hueckelhoven@tum.de	WS/SS	10
Research Practical (agricultural projekt)	WZ0031	Hückelhöven	hueckelhoven@tum.de	WS/SS	10
Plant Pathology	WZ1586	Hückelhöven	hueckelhoven@tum.de	WS/SS	10
Phytopathology	WZ1540	Hückelhöven	hueckelhoven@tum.de	WS/SS	5
Data Processing and Visualization in R	WZ0631	Johannes	f.johannes@tum.de	SS	5
Peptidchemistry and -biochemistry	WZ2252	Kapurniotu	akapurniotu@wzw.tum.de	WS/SS	10
Research Internship	WZ3211	Klingenspor	mk@tum.de	WS/SS	10
Restoration Ecology	WZ6303	Kollmann	jkollmann@wzw.tum.de	WS/SS	10
Molecular Oncology	WZ2436	Krüger	achim.krueger@lrz.tu-muenchen.de	WS/SS	10
Molecular Biotechnology	WZ3000	Kulozik	Ulrich.kulozik@tum.de	WS/SS	10
Biopolymer Chemistry	WZ2441	Langosch	langosch@tum.de	WS/SS	10
Biochemistry of Membrane Proteins	WZ2234	Langosch	langosch@tum.de	WS/SS	10
Neurobiology of behavior	WZ2639	Luksch	Harald.Luksch@wzw.tum.de	WS/SS	10
Neurobiology of Birds	WZ2463	Luksch	Harald.Luksch@wzw.tum.de	WS/SS	10
Neurobiology of Vertebrates	WZ2653	Luksch	Harald.Luksch@wzw.tum.de	WS/SS	10
Climate Monitoring	WZ1233	Menzel	amenzel@ww.tum.de	WS/SS	5
Ecoclimatology	WZ6329	Menzel	amenzel@ww.tum.de	WS/SS	5
Metabolite Analyses in Crops	WZ1697	Poppenberger	Wilfried.rozhon@wzw.tum.de	WS/SS	10

Biotechnology of Horticultural Crops	WZ1577	Poppenberger	Wilfried.rozhon@wzw.tum.de	WS/SS	10
Chemical Genetics	WZ1575	Poppenberger	tobias.sieberer@wzw.tum.de	WS/SS	10
Plant Growth Regulation	WZ1576	Poppenberger	tobias.sieberer@wzw.tum.de	WS/SS	10
Molecular Ecology and Evolutionary Biology of Plants for Advanced Level	WZ2684	Schäfer	hanno.schaefer@tum.de	WS/SS	10
Phylogenetics of Plants for Advanced Level	WZ2683	Schäfer	hanno.schaefer@tum.de	WS/SS	10
Molecular Ecology and Evolutionary Biology of Plants	WZ2631	Schäfer	hanno.schaefer@tum.de	WS/SS	10
Neurophysiology	WZ2478	Schemann	schemann@wzw.tum.de	WS/SS	10
Molecular Biology of Intestinal Microbiota	WZ3926	Scherer	neuhaus@tum.de	WS/SS	10
Food Hygiene	WZ2377	Scherer	Siegfried.Scherer@wzw.tum.de	WS/SS	10
Molecular Microbial Biodiversity and Taxonomy	WZ2378	Scherer	Siegfried.Scherer@wzw.tum.de	WS/SS	10
Plant Nutrition	WZ1549	Schmidhalter	urs.schmidhalter@mytum.de	WS/SS	10
Developmental Genetics of Plants 2	WZ2481	Schneitz	kay.schneitz@tum.de	WS/SS	10
Genetics 2 - Developmental Genetics	WZ2417	Schneitz	Ramon.Torres@wzw.tum.de	WS/SS	10
Plant Developmental Genetics 1	WZ2517	Schneitz	kay.schneitz@tum.de	WS/SS	10
Animal Biotechnology	WZ2545	Schnieke	a.schnieke@tum.de	WS/SS	10
Biochemical Genetics	WZ2327	Schön	chris.schoen@tum.de	WS/SS	10
Molecular Plant Breeding	WZ2401	Schön	chris.schoen@tum.de	WS/SS	10
Reproductive Biotechnology	WZ0003	Schusser	benjamin.schusser@tum.de	WS/SS	10
Physiological Pomology	WZ1592	Schwab	dieter.treutter@mytum.de	WS/SS	10
Secondary Plant Metabolites	WZ2594	Schwab	dieter.treutter@mytum.de	WS/SS	10
Woody Plant Pathology	WZ1662	Schwab	johannes.hadersdorfer@mytum.de	WS/SS	10
Introduction to Plant Systems Biology	WZ2379	Schwechheimer	claus.schwechheimer@wzw.tum.de	WS/SS	10
Plant Systems Biology	WZ2380	Schwechheimer	claus.schwechheimer@wzw.tum.de	WS/SS	10
<i>in silico</i> Evolutionary Genetics of Plants and Pathogens	WZ2619	Tellier	tellier@wzw.tum.de	WS/SS	10
Introduction to Evolutionary Genetics	WZ2758	Tellier	tellier@wzw.tum.de	WS/SS	5
Food Biotechnology	WZ2082	Vogel	rudi.vogel@wzw.tum.de	WS/SS	10

In addition we offer a number of internships that are not located on the Weihenstephan Campus but are open to all students enrolled in our programmes. These courses will require travel to Munich or the affiliated Helmholtz Center in Munich-Neuherberg. Commute might take between one and one and a half hours (one way) depending on your location and connection.

Topic	Number	Professor	Contact Email	Term	ECTS	Location
Hormone Signaling, Biochemical Pathways and Metabolomics	WZ2564	Adamski	adamski@helmholtz-muenchen.de	WS/SS	10	Helmholtz
Radiation Biology	WZme2672	Atkinson	atkinson@helmholtz-muenchen.de	WS/SS	10	Helmholtz
Experimental Genetics of Mammals	WZ2525	Hrabe de Angelis	hrabe@helmholtz-muenchen.de	WS/SS	10	Helmholtz
Molecular Soil Microbiology	WZ2558	Kögel-Knabner	schloter@helmholtz-muenchen.de	WS/SS	10	Helmholtz
Neurogenetics for Advanced	WZ2665	Wurst	wurst@helmholtz-muenchen.de	WS/SS	10	Helmholtz
Neurogenetics	WZ0463	Wurst	wurst@helmholtz-muenchen.de	WS/SS	10	Helmholtz
Immunology	WZ2412	Busch	dirk.busch@mikrobio.med.tum.de	WS/SS	10	Munich
Molecular Cell Biology of Tumorigenesis	WZ2428	Janssen	klaus-peter.janssen@lrz.tum.de	WS/SS	10	Munich
Molecular Pathology and organ-specific Carcinogenesis	WZ2454	Luber	luber@lrz.tum.de	WS/SS	10	Munich
Molecular Pathology of Vessels	WZ2756	Mägdefessel	lars.maegdefessel@tum.de	WS/SS	10	Munich
Challenges of Biomedicine. Social, Political and Ethical Aspects of Medical Biology.	WZ2681	Müller	ruth.mueller@tum.de	WS/SS	5	Munich
Molecular Virology	WZ2477	Protzer	protzer@tum.de	WS/SS	10	Munich