

MCBD KICK OFF SS2024

109 PhD students are currently active in the MCBD PhD-program

Our Homepage:

Please pay the ÖH-fee until 31st
March, otherwise you will be
exmatriculated

Innsbruck PhD School for Biomedical Sciences

Medical University of Innsbruck

<https://biomed-phd.i-med.ac.at>

→ All information on teaching (methods courses, core lectures, MCBD seminars), kick-off ppt, curriculum

Coordination team



Matthias Erlacher

MCBD coordinator

Genomics and RNomics

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Dept. Dermatology,

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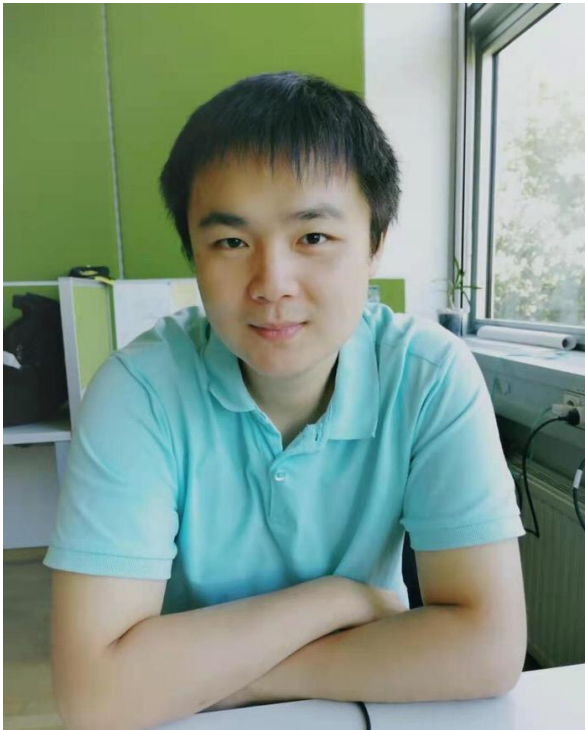
Guido Wollmann

MCBD vice coordinator

Virology

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Administration team



Ruoyuan Wang
PhD Office

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Please make an appointment before going there

And please check regularly your student.i-med.ac.at account!

MCBD student representatives



Jiri Koutnik

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Marina Schapfl

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MCBD at a glance

- MCBD is a **full-time degree** PhD-program
- minimum study duration for a PhD programme at the MUI is **6 semesters**, an equivalent to 180 ECTS point.

180 ECTS = 160 ECTS for your research project & thesis + 20 ECTS for curricular courses/seminars/lectures

Research project & thesis (160 ECTS)

- This is the **most important part** of your thesis!
- Guided and trained by your **supervisor** & thesis advisory committee (**TAC**)
- **Progress is monitored** in regular meetings with your PI, at the MCBD seminars (mandatory, once a year) and at the TAC-meeting (mandatory, once a year)

Curricular courses/seminars/lectures: 20 ECTS

		ECTS	1	2	3	4	5	6
MCBD Seminars: 6 ECTS	Seminar 6 times	6 x 1 ECTS	█	█	█	█	█	█
Core subjects: 8-10 ECTS	Core lectures	2 x 1,5 ECTS	█	█				
	Joint Seminars	max. 6 x 0,5 ECTS	█	█	█	█	█	█
	Methods courses <ul style="list-style-type: none"> • Molecular Biology, Cell Biology & Biochemistry • Imaging / FACS • Bioinformatics, Data Bases access & analysis • Onco-Immunology 	take two courses	█	█				
	Scientific Presentations on International Conferences & Courses	max. 2 ECTS						█
General Subjects: 4-6 ECTS	Ethics Good scientific practice Statistics Animal experimentation		█	█				█

Core Subject

Core lectures: Pathology lecture hall

(2 x 1.5 ECTS)

1.5 ECTs: 12 units a 90 min in the WS & SS

- new interesting lectures
- every day for three weeks
- content: Short intro by the lecturer, who explains the concept and the open questions in the field → presents **a recent paper that was transformative for a field** followed by a discussion of the results and how they change the way we see biology
- **Paper can be found on MCB D-homepage!**

Core lectures

Time: 8:15-10:00

Location: Histologie-HS (Müllerstraße 59, II)

MCBD II Core Lecture – SS 2024

			Date	Program	Lecturer	Room
		Mo	04.03.	<i>MCBD – Semester Kick-Off Introduction/Information</i>	<i>Erlacher</i>	<i>Histologie-HS</i>
Immunity	1	Mo	04.03.	DCs	Wilflingseder	<i>Histologie-HS</i>
	2	Di	05.03.	B-cells	Herzog	<i>Histologie-HS</i>
		Mi	06.03.	<i>MCBD Seminar</i>		<i>Histologie-HS</i>
	3	Do	07.03.	Innate Immunity	Posch	<i>Histologie-HS</i>
	4	Fr	08.03.	T-Cells	Kleiter	<i>Histologie-HS</i>
	5	Mo	11.03.	Medical Genetics: Rare Diseases	Zschocke	<i>Histologie-HS</i>
	6	Di	12.03.	Genetic epidemiology	Kronenberg	<i>Histologie-HS</i>
		Mi	13.03.	<i>MCBD Seminar</i>		<i>Histologie-HS</i>
Molecular Mechanism of Diseases	7	Do	14.03.	Forensic Genomics	Parson	<i>Histologie-HS</i>
	8	Fr	15.03.	Epigenetics	Lusser	<i>Histologie-HS</i>
	9	Mo	18.03.	Iron and Phosphate Homeostasis	Heinz Zoller	<i>Histologie-HS</i>
	10	Di	19.03.	Senescence and role in disease	Ausserlechner	<i>Histologie-HS</i>
		Mi	20.03.	<i>MCBD Seminar</i>		<i>Histologie-HS</i>
	11	Do	21.03.	ECM and role in disease	Sampson	<i>Histologie-HS</i>
	12	Fr	22.03.	Cancer Vaccines and Oncolytic Viruses	Wollmann	<i>Histologie-HS</i>

Mandatory and if you miss you need to take this lecture a year later!

Core Subject
Joint Seminars
(0.5 ECTS / semester, max. 3 ECTS)

- Choose to attend group-meetings of other MCBBD groups → at least 4 x / semester
- Find a list of all group meetings on the MCBBD-homepage
- It is a good idea to contact the PI / group beforehand
- Don't forget to bring your attendance sheet and hand it in (once it is complete) to the PhD School front office. **Don't forget to write your name on the sheet!**
- also an option: Biocenter Seminar: Time: Friday's, 4pm

Joint Seminars

Lab Group	Time and Place	Contact
Erlacher Lab Meeting	Every Thursday, 09:30 a.m.	matthias.erlacher@i-med.ac.at
Sopper Lab Meeting	Every Thursday, 04:00 p.m.	Sieghart.sopper@i-med.ac.at
Dubrac Lab Meeting	Every Friday, 02:00 p.m.	sandrine.dubrac@i-med.ac.at
Trajanoski Lab Meeting (Bioinformatics)	Every Tuesday, 02:00 p.m.	Zlatko.trajanoski@i-med.ac.at
Kaser Lab Meeting	individual dates, please contact Prof. Kaser directly	Susanne.kaser@i-med.ac.at
Flucher Lab Meeting	Every 2nd Tuesday, 09:00 a.m.	Bernhard.e.flucher@i-med.ac.at
Farhan Lab Meeting	Every Tuesday, 09:00 a.m. (CCB, M.01.470 or M.01.490)	Hesso.farhan@i-med.ac.at
Teis Lab Meeting	Every Thursday, 11:00 a.m.	David.teis@i-med.ac.at
Herzchirurgisches Forschungslabor Meeting	Every Monday, 08:30 a.m. (Innrain 66) - see attached program	can.gt@i-med.ac.at
Zoller Lab Meeting	Every Wednesday, 09:00 a.m.	Heinz.zoller@i-med.ac.at
Sampson Lab Meeting	Every Tuesday, 08:30 a.m., Frauen-Kopf-Klinik 1 st floor (place to be announced)	Natalie.sampson@i-med.ac.at
Hackl Lab Meeting	Every Thursday, 03:00 p.m., CCB administration area, 1 st floor	Hubert.hackl@i-med.ac.at
Immunology Lab Meeting (Stoitzner Lab)	Every Friday, 12:30-13:30 p.m., Hörsaal Hautklinik	Patrizia.stoitzner@i-med.ac.at
Troppmair Lab Meetings / Daniel Swarovski Lab	<ul style="list-style-type: none"> - DSL Seminar: Every Monday, 03:15 p.m. (SR Nord, 12th Floor, Building Chirurgie) - Wednesday Morning Meeting (WMM): Every Wednesday, 09:15 a.m., Seminar Room TKFI, Innrain 66 <p>➔ <i>only during the regular semesters – please contact the Lab for the detailed program!</i></p>	lki.ch.ds-labor@tirol-kliniken.at
Culig Lab Meeting	Every Tuesday, 08:30-09:30 a.m., Hörsaal Augenklinik, Frauenkopfklinik 1 st floor	zoran.culig@i-med.ac.at
Schmuth Lab Meeting	Every Friday 03:00 p.m., seminar room, dermatology	viktoria.migschitz@tirol-kliniken.at
Huber Lab Meeting/Cell Biology Lab Meeting	<ul style="list-style-type: none"> • Every Tuesday, 09:00-11:00 a.m. (currently via Zoom) • Every Friday 09:00-11:00 a.m. (currently via Zoom) 	lukas.a.huber@i-med.ac.at
Lusser Lab Meeting	Every second Monday, 10:00 a.m.; please contact Prof. Lusser directly	alexandra.lusser@i-med.ac.at
Hengst Lab Meeting	Every Wednesday, 10:00 a.m.	ludger.hengst@i-med.ac.at
AG Hengst Lab Meeting	Every Wednesday, 10:00 a.m.	michael.kullmann@i-med.ac.at
Fiegl Lab Meeting	Every Wednesday, 09:00 a.m., Frauen-Kopf-Klinik 2 nd floor, Laboratory for Clinical Biochemistry	Heidelinde.Fiegl@i-med.ac.at
Villunger/Herzog/Labi Lab Meeting	Every Wednesday, 09:00 a.m. from 06.10.2021, please contact Prof. Villunger directly	andreas.villunger@i-med.ac.at
Weiss Lab Meeting	Every Wednesday 16:00-17:00 a.m.	guenter.weiss@i-med.ac.at
Kleiter Lab Meeting	individual dates, please contact Prof. Kleiter directly	Natascha.Kleiter@i-med.ac.at
Patho Lab Meeting	Every second Wednesday, 10:30 a.m. (Start: 13.10.2021); Inst. of Pathology, Müllerstraße 44 1 st floor, Bibliothek	pathologie@i-med.ac.at or claudia.manzl@i-med.ac.at
Hagenbuchner Lab/Ausserlechner Lab Meeting	Every Friday, 09:00 a.m.; Innrain 66 4 th floor seminar room	Judith.Hagenbuchner@i-med.ac.at or Michael.J.Ausserlechner@i-med.ac.at
Labor Virale Immuntherapie Lab Meeting	Every Friday, 11:00-13:00 a.m.; seminar room Virologie, Peter Mayr Straße 4b 3 rd floor	guido.wollmann@i-med.ac.at
Von Laer Lab	Always on the first Monday of the month, 13:30 p.m.	dorothee.von-laer@i-med.ac.at or Ulrike.Plank@i-med.ac.at
Genetic Epidemiology Meeting/Journal Club	Individual dates, please contact Stefan Coassin (usually every second Friday), 12:00-13:00	stefan.Coassin@i-med.ac.at
Reindl Lab Meeting	Every second Tuesday, 14:00 p.m. Innrain 66 second floor	markus.reindl@i-med.ac.at
Wilflingseder Lab	Every second Wednesday, 15:00 p.m. Schöpfstraße 41, third floor	doris.wilflingseder@i-med.ac.at
Urolab Seminar (Culig, Sampson, Pichler, Santer)	Every Tuesday 8:30, Uro Library, Staff Zone, Frauenkopfklinik 1st floor	frederic.santer@i-med.ac.at

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BioCenter Seminar Series

Date	Speaker Title	Institute – Work Group	Fraturdays at 16:00 s.t. Lecture hall M01.470 + 490
01.03.24	Stephanie zur Nedden Role of PKN1 in cerebral energy metabolism and stroke	Neurobiochemistry – Baier-Bitterlich	
08.03.24	Michael Schubert Investigating the effect of aneuploidy and chromosomal instability on cancer-immune interactions	Bioinformatics – Schubert	
15.03.24	Isabel Delazer The effect of m5C methyltransferases on mRNA expression dynamics	Molecular Biology – Lusser	
22.03.24	Ivan Tancevski Genetically engineered E. coli Nissle as a probiotic to treat cardiovascular disease	Department of Internal Medicine II – Tancevski	M.01.490
05.04.24	Gerald Brandacher Subzero organ preservation using nature-inspired cryoprotectants	Daniel Swarovski Research Lab – Brandacher	Audimax Fritz-Pregl- Str. 3
12.04.24	Roman Praschberger Leveraging genetics and single-cell sequencing to uncover neuronal resilience pathways	Human Genetics – Praschberger	
19.04.24	Galina Apostolova SATB2 organizes the 3D genome architecture of cognition in cortical neurons	Institute for Neuroscience – Dechant	
26.04.24	Bernhard Flucher How four voltage-sensing domains differentially regulate the functions of voltage-gated calcium channels	Institute of Physiology – Flucher	
03.05.24	Andreas Janecke MCOLN1 (mucolipin TRP cation channel 1) mutations and related phenotypes	Department of Pediatrics – Janecke	16:15 - 17:30
17.05.24	Taras Valovka Inflammation-associated monogenic diseases: from molecular mechanisms to drug development	Cell Biology / Department of Pediatrics – Valovka	
24.05.24	Sebastian Herzog How (some) miRNAs are made – cluster assistance as a peculiar feature of primary miRNA biogenesis	Developmental Immunology – Herzog	Histology lecture room, Müllerstr. 59, 2nd floor
07.06.24	Michaela Mayr Mechanobiology of the endoplasmic reticulum	Pathophysiology – Farhan	
14.06.24	Sinead Iduna Schwabl Characterization of the golgi quality control network	Molecular Biochemistry – Teis	
21.06.24	Felix Eichin Consequences of impaired PIDD1 autoprocessing	Developmental Immunology – Villunger	
28.06.24	Alexander Hüttenhofer A journey into RNomics: everything you never wanted to know about RNA	Genomics & RNomics – Hüttenhofer	

Virtuell teilnehmen über ZOOM:

<https://us02web.zoom.us/j/6396823225?pwd=MHdGZmJSL0Z6T21hSn0zZitLdk1VUT09>

Meeting-ID: 639 682 3225 | Kenncode: qMTN4Z



Supported by



Core Subject

Method courses

(min: 2 courses, 2 x 1.5 ECTS)

- **Molecular Biology**
 - genome editing, techniques in molecular biology
 - CSI-Innsbruck
 - next generation sequencing
- **Cell Biology & Biochemistry**
 - cell culture, lysis, fractionation and detection of specific proteins and their activity
 - mass spectrometry, metabolomics, lipidomics
- **Imaging /FACS**
 - fluorescence Microscopy Techniques
 - live cell imaging and superresolution microscopy
 - introduction to Flow Cytometry
- **Bioinformatics, Data Bases access & analysis**
 - introduction to R programming for data science
 - bioinformatics
- **Onco-Immunology**
 - immunology
 - translational Oncology
- **3D-bioprinting**

**PLEASE SIGN UP
via i-med.inside**

**participation is
mandatory!**

Method courses for SS 2024

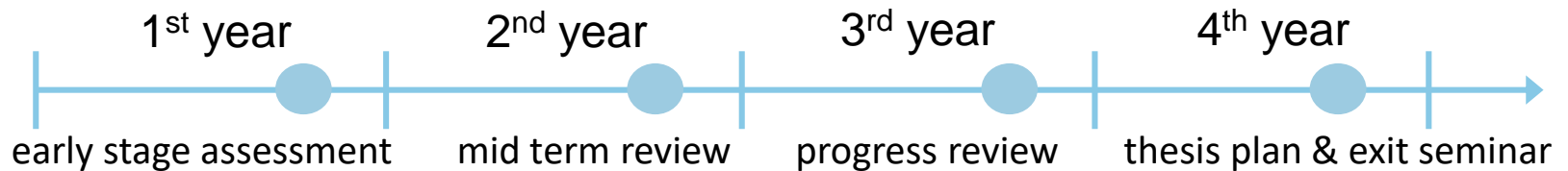
- **Fluorescence Microscopy Technique** (Campiglio, Flucher, Offterdinger, Kummer)
- **Live cell imaging and superresolution** (Geley, Offterdinger)
- **Genome editing** (Geley, Herzog)
- **Translation Oncology** (Sampson, Pur, Schäfer, Wollmann)
- **Introduction into flow cytometry** (Sopper, Bösch)
- **Viral Gene Transfer** (Ritsch)
- **Introduction to next generation sequencing & data analysis** (Coassin, Schönherr)
- **CSI Innsbruck: analysis and interpretation of forensic DNA markers** (Parson, Bodner)
- **Mass Spectrometry for Metabolomics and Lipidomics** (Oberacher, Keller, Gostner)
- **Genetic risk assessment for complex diseases** (Forer, Lamina)

Courses and dates can be found on the MCBBD homepage

MCBD seminar

Every Wednesday @ 12

The annual progression points



20 Minutes:

hypothesis – open questions - results – bigger picture

try to couple it to your TAC meeting

Location: Histology Lecture Hall

**Compulsory, if you cannot make it please
notify the PhD office per email**

**And please encourage your supervisor
and TAC-members to join as this is your
annual progress report**

MCBD seminar

Scheduled dates for MCBD seminar talks, SS 2024

SS 2024 – 16 dates, 32 slots

date	speaker 1	speaker 2	time/room
06.03.2024	Nils van Creij	Daniel Schreiber	12:00-13:00; Histologie-HS
13.03.2024	Costacurta Francesco	Nägele Felix	12:00-13:00; Histologie-HS
20.03.2024	Luca Szabo	Degen Antonia Aileen	12:00-13:00; Histologie-HS
10.04.2024	Hajdu Renata	Mair Sophia	12:00-13:00; Histologie-HS
17.04.2024	Aufschnaiter Andreas	Marchet Nikolas	12:00-13:00; Histologie-HS
24.04.2024	Brandl Sarah	Birstonas Lukas	12:00-13:00; Histologie-HS
08.05.2024	Adam Pollio	Bösl Andreas	12:00-13:00; Histologie-HS
15.05.2024	Madersbacher Leonie Maria	Manuel Trebo	12:00-13:00; Histologie-HS
22.05.2024	Sarah Danklmaier	Mayr Melissa	12:00-13:00; Histologie-HS
29.05.2024	Janine Vierthaler	Dorigatti Ilaria	12:00-13:00; Histologie-HS
05.06.2024	Sabrina Schneider	Steinacher Claudia	12:00-13:00; Histologie-HS
12.06.2024	Medici Andrea	Monfort Lanzas Pablo	12:00-13:00; Histologie-HS
19.06.2024	Lang Viktor Benedikt	Juric Viktorija	12:00-13:00; Histologie-HS
26.06.2024	Magdalena Fickl	Nykiel Kamila	12:00-13:00; Histologie-HS
03.07.2024	Sari Betül	Koutnik Jiri	12:00-13:00; Histologie-HS
10.07.2024	Jasmin Hatami	Marlene Pühringer	12:00-13:00; Histologie-HS
Waiting list: Luca Szabo; Marlene Lochner; Marie Eling; Niklas Schomisch; Stephan Amstler;			
WS 24/25: Veronika Cibulkova; Dieckmann Sophie Marie			

If you need to cancel please notify the PhD office well in advance so that we can offer the slot to another student!!!

Core Subject

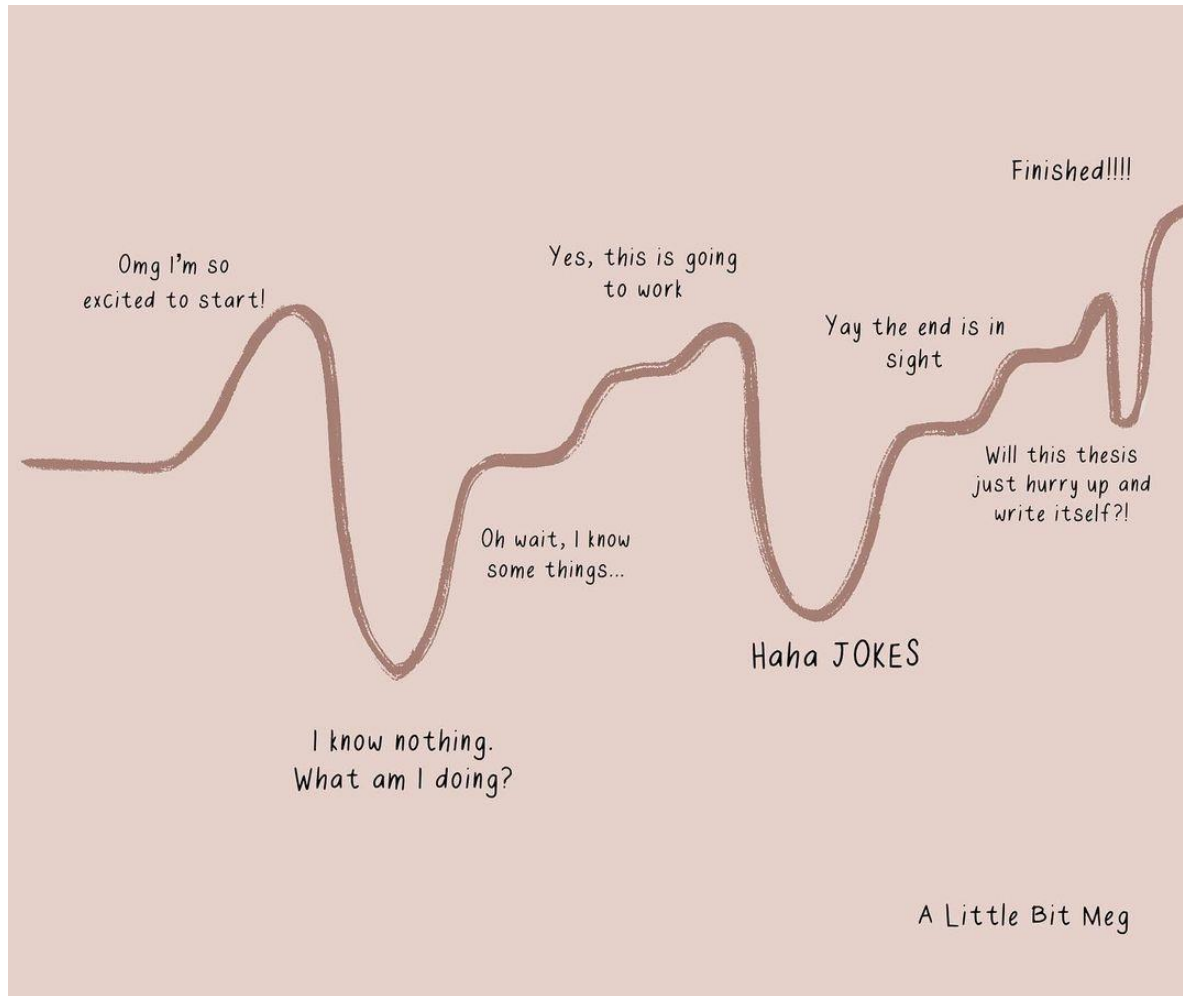
Scientific Presentations on International Conferences & Courses (max. 2 ECTS)

- Presenting poster/talks on international conferences can be credited with max. 2 ECTS (depending on the duration/program)
- also possible international courses: e.g. EMBO courses / FEBS courses
- as a rule of thumb: for 2 ECTS at least scientific program over 6 days (including a poster or talk)
- make sure that you provide all information (meeting program, screen shot, etc.) together with the form. We will be **very strict** with these regulations.

General Subjects

- Transferable skills that cover a variety of topics
- Ethics, statistics, gender medicine, lab-safety, project management,.....

**Please sign up through i-med inside
or directly with the respective faculty**



Enjoy your PhD, create something new!