Master of Science in Molecular Biology: List of potential thesis supervisors

A. Supervision by a scientist of the Department Biozentrum (www.biozentrum.unibas.ch)

Last name	First name	Title	Area of research	Email
Arber	Silvia	Prof. Dr.	Neurobiology / Cell Biology	silvia.arber@unibas.ch
Basler	Marek	Prof. Dr.	Infection Biology	marek.basler@unibas.ch
Becskei	Attila	Prof. Dr.	Biophysics / Computational Biology / Genetics / Microbiology	attila.becskei@unibas.ch
Brückner	David	Prof. Dr.	Computational Biology	d.b.brueckner@unibas.ch
Bumann	Dirk	Prof. Dr.	Infection Biology	dirk.bumann@unibas.ch
Dehio	Christoph	Prof. Dr.	Microbiology	christoph.dehio@unibas.ch
Diard	Médéric	Prof. Dr.	Infection Biology	mederic.diard@unibas.ch
Doetsch	Fiona	Prof. Dr.	Neurobiology / Stem cell Biology	fiona.doetsch@unibas.ch
Donato	Flavio	Prof. Dr.	Neurobiology	flavio.donato@unibas.ch
Drescher	Knut	Prof. Dr.	Infection Biology / Biophysics	knut.drescher@unibas.ch
Engel	Ben	Prof. Dr.	Biophysics/Structural Biology	ben.engel@unibas.ch
Hall	Michael N.	Prof. Dr.	Biochemistry	m.hall@unibas.ch
Handschin	Christoph	Prof. Dr.	Physiology / Cell Biology	christoph.handschin@unibas.ch
Hiller	Sebastian	Prof. Dr.	Structural Biology	sebastian.hiller@unibas.ch
Hondele	Maria	Prof. Dr.	Biochemistry / Cell Biology	maria.hondele@unibas.ch
Jenal	Urs	Prof. Dr.	Microbiology	urs.jenal@unibas.ch
Keller Valsecchi	Claudia	Prof. Dr.	Gene Regulation / Developmental Epigenetics	c.kellervalsecchi-at-unibas.ch
Kempf	Anissa	Prof. Dr.	Neurobiology	anissa.kempf@unibas.ch
Li	Yuping	Prof. Dr.	Infection Biology/Genetics & Genomics	yuping.li@unibas.ch
Lim	Roderick	Prof. Dr.	Structural Biology / Nanobiology	roderick.lim@unibas.ch
Maier	Timm	Prof. Dr.	Structural Biology	timm.maier@unibas.ch
Mango	Susan	Prof. Dr.	Chromosome organization / Trans-generational signaling in development / Polarity and morphogenesis	susan.mango@unibas.ch
Neher	Richard	Prof. Dr.	Biophysics / Computational Biology	richard.neher@unibas.ch
Pieters	Jean	Prof. Dr.	Biochemistry	jean.pieters@unibas.ch
Rüegg	Markus A.	Prof. Dr.	Neurobiology / Cell Biology	markus-a.ruegg@unibas.ch
Scheiffele	Peter	Prof. Dr.	Cell Biology	peter.scheiffele@unibas.ch
Schier	Alex	Prof. Dr.	Developmental Biology	alex.schier@unibas.ch
Schwede	Torsten	Prof. Dr.	Computational structural biology	torsten.schwede@unibas.ch
Spang	Anne	Prof. Dr.	Biochemistry/Cell Biology	anne.spang@unibas.ch
van Nimwegen	Erik	Prof. Dr.	Genome systems biology	erik.vannimwegen@unibas.ch
Zavolan	Mihaela	Prof. Dr.	Computational RNA biology, gene regulation	mihaela.zavolan@unibas.ch

B. Supervision by an academic scientist external to the Biozentrum

Academic scientists external to the Biozentrum can supervise a Master thesis in Molecular Biology, provided that a full-time professor of the Biozentrum acts as the responsible secondary supervisor. The Biozentrum supervisor ensures the quality of the project and oversees the supervision of the student. It is expected that the external supervisor holds bi-weekly meetings with the Master student to warrant appropriate supervision and progress of the project.
External supervisors require a professorship, venia docendi or comparable status as independent group leader. Master theses outside the Basel region can only be applied for by the secondary supervisor (i.e. a full-time professor of the Biozentrum). The following external supervisors have already been approved by the Gruppenleiterversammlung (GLV) of the Biozentrum. New supervisors need that approval (see paragraph C for the application procedure).

External supervisors can supervise more than one Master student **only upon approval** by the head of the Master program, Prof. A. Spang (anne.spang@unibas.ch).

Department of Biomedicine (DBM) (www.biomedizin.unibas.ch)

Last name	First name	Title	Area of research	Email
Apostolova	Petya	Prof. Dr.	Experimental Hematology, Tumor and immune cell metabolism	petya.apostolova-at-unibas.ch
Banfi	Andrea	PD Dr.	Angiogenesis	andrea.banfi-at-usb.ch
Beltra	Jean-Christophe	Prof. Dr.	T-cell immunobiology and immunotherapy	jeanchristophe.beltra-at-unibas.ch
Bentires-Alj	Mohamed	Prof. Dr.	Tumor Heterogeneity Metastasis and Resistance	m.bentires-alj@unibas.ch
Berger	Christoph	PD Dr.	Translational Immunology	christoph.berger-at-usb.ch
Bettler	Bernhard	Prof. Dr.	Molecular Neurobiology Synaptic Plasticity	bernhard.bettler@unibas.ch
Boeck	Lucas	PD Dr.	Pulmonary Infection Biology	lucas.boeck@unibas.ch
Brink	Marijke	Prof. Dr.	Cardio Biology	marijke.brink@unibas.ch
De Libero	Gennaro	Prof. Dr.	Experimental Immunology	gennaro.delibero@unibas.ch
Derfuss	Tobias J.	Prof. Dr.	Clinical Neuroimmunology	tobias.derfuss-at-usb.ch
Donath	Marc	Prof. Dr.	Diabetes Research	marc.donath@unibas.ch
Finke	Daniela	Prof. Dr.	Developmental Immunology	daniela.finke@unibas.ch
Heim	Markus	Prof. Dr.	Hepatology	markus.heim@unibas.ch
Hess	Christoph	Prof. Dr.	Immunobiology	christoph.hess@unibas.ch
Hirsch	Hans H.	Prof. Dr.	Transplantation Virology	hans.hirsch@unibas.ch
Holländer	Georg	Prof. Dr.	Pediatric Immunology	georg-a.hollaender@unibas.ch
Kapfhammer	Josef	Prof. Dr.	Developmental Neurobiology and Regeneration	josef.kapfhammer@unibas.ch
Khanna	Nina	Prof. Dr.	Infection Biology	nina.khanna@unibas.ch
King	Carolyn	Prof. Dr.	Infection Immunology	carolyn.king@unibas.ch
Kuster Pfister	Gabriela	Prof. Dr.	Molecular Cardiology, Cardio-Oncology	g.kuster@unibas.ch
Martin	Ivan	Prof. Dr.	Tissue Engineering	ivan.martin@unibas.ch
Pinschewer	Daniel	Prof. Dr.	Experimental Virology	daniel.pinschewer@unibas.ch
Recher	Mike	Prof. Dr.	Immunodeficiency	mike.recher@unibas.ch
Rinaldi Barkat	Tania	Prof. Dr.	Neurobiology	tania.barkat-at-unibas.ch
Schär	Primo Leo	Prof. Dr.	Molecular Genetics	primo.schaer@unibas.ch

Schwaller	Jürg	Prof. Dr.	Childhood Leukemia	j.schwaller@unibas.ch
Skoda	Radek	Prof. Dr.	Experimental Hematology	radek.skoda@unibas.ch
Treves	Susan	Prof. Dr.	Calcium regulation in skeletal muscle	susan.treves@unibas.ch
Wymann	Matthias P.	Prof. Dr.	Cancer- and Immunobiology	matthias.wymann@unibas.ch
Zeller	Rolf	Prof. Dr.	Developmental Genetics	rolf.zeller@unibas.ch
Zippelius	Alfred	Prof. Dr.	Cancer Immunology	alfred.zippelius@unibas.ch

Friedrich Miescher Institute for Biomedical Research (FMI) (www.fmi.ch)

Last name	First name	Title	Area of research	Email
Bühler	Marc	Prof. Dr.	Genome Regulation	marc.buehler-at-fmi.ch
Caroni	Pierenrico	Prof. Dr.	Neurobiology	pico.caroni-at-fmi.ch
Chao	Jeffrey A.	Dr.	Genome Regulation	jeffrey.chao-at-fmi.ch
Grosshans	Helge	Prof. Dr.	Multicellular Systems	helge.grosshans-at-fmi.ch
Liberali	Prisca	Prof. Dr.	Multicellular Systems	prisca.liberali-at-fmi.ch
Lüthi	Andreas	Prof. Dr.	Neurobiology	andreas.luthi-at-fmi.ch
Matthias	Patrick D.	Prof. Dr.	Multicellular Systems	patrick.matthias-at-fmi.ch
Schübeler	Dirk	Prof. Dr.	Genome Regulation	dirk.schuebeler-at-fmi.ch

Center for Transgenic Models (CTM) (www.ctm-basel.ch)

Last name	First name	Title	Area of research	Email
Pelczar	Pawel	Dr.	Transgenic Techniques	pawel.pelczar@unibas.ch

Institute of Molecular and Clinical Ophthalmology Basel (IOB) (https://iob.ch)

Last name	First name	Title	Area of research	Email
Roska	Botond	Prof. Dr.	Neurobiology	botond.roska-at-iob.ch

Psychiatric Clinics of the University of Basel (www.upkbs.ch)

Last name	First name	Title	Area of research	Email
Cajochen	Christian	Prof. Dr.	Chronobiology	christian.cajochen@unibas.ch
Eckert	Anne	Prof. Dr.	Neurobiology	anne.eckert@unibas.ch

C. Application procedure for new external supervisors

The external supervisor (principal investigator, PI) submits an appropriate request to the GLV of the Biozentrum. The latest date for submission is 8 days before the GLV takes place. The application comprises:

- Online form «Learning Contract for Master's Thesis» fully completed in Part I, until and including the signature of the responsible secondary supervisor from the Biozentrum (Second assessor). The form can be downloaded here: https://philnat.unibas.ch/de/studium/
- Detailed project description (scope: 1 A4 page)
- Curriculum vitae of the PI
- List of publications of the PI

These documents are to be sent in electronic form to the responsible professor for the Master program in Molecular Biology, Prof. A. Spang (anne.spang@unibas.ch) with a copy to Julia Locke (julia.locke@unibas.ch).

The application is considered at the next upcoming GLV meeting, which is usually held once a month.

Details of the study program can be found in the «Guidelines for the Study Program Master of Science in Molecular Biology at the Faculty of Science of the University of Basel» on the following page on the Internet: https://bio.unibas.ch/de/reglemente/msc-molecular-biology/.