

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

### A. Supervision by a scientist of the Department Biozentrum ([www.biozentrum.unibas.ch](http://www.biozentrum.unibas.ch))

Last name	First name	Title	Area of research	Email
Abrahams	Jan Pieter	Prof. Dr.	Structural biology by nanodiffraction	jp.abrahams-at-unibas.ch
Affolter	Markus	Prof. Dr.	Developmental Biology	markus.affolter-at-unibas.ch
Arber	Silvia	Prof. Dr.	Neurobiology / Cell Biology	silvia.arber-at-unibas.ch
Basler	Marek	Prof. Dr.	Infection Biology	marek.basler-at-unibas.ch
Becskei	Attila	Prof. Dr.	Biophysics / Computational Biology / Genetics / Microbiology	attila.becskei-at-unibas.ch
Bumann	Dirk	Prof. Dr.	Infection Biology	dirk.bumann-at-unibas.ch
Dehio	Christoph	Prof. Dr.	Microbiology	christoph.dehio-at-unibas.ch
Diard	Médéric	Prof. Dr.	Infection Biology	mederic.diard-at-unibas.ch
Doetsch	Fiona	Prof. Dr.	Neurobiology / Stem cell Biology	fiona.doetsch-at-unibas.ch
Donato	Flavio	Prof. Dr.	Neurobiology	flavio.donato-at-unibas.ch
Drescher	Knut	Prof. Dr.	Infection Biology / Biophysics	knut.drescher-at-unibas.ch
Engel	Ben	Prof. Dr.	Biophysics/Structural Biology	ben.engel-at-unibas.ch
Grzesiek	Stephan	Prof. Dr.	Structural Biology	stephan.grzesiek-at-unibas.ch
Hall	Michael N.	Prof. Dr.	Biochemistry	m.hall-at-unibas.ch
Handschin	Christoph	Prof. Dr.	Physiology / Cell Biology	christoph.handschin-at-unibas.ch
Hiller	Sebastian	Prof. Dr.	Structural Biology	sebastian.hiller-at-unibas.ch
Hondele	Maria	Prof. Dr.	Biochemistry / Cell Biology	maria.hondele-at-unibas.ch
Jenal	Urs	Prof. Dr.	Microbiology	urs.jenal-at-unibas.ch
Kempf	Anissa	Prof. Dr.	Neurobiology	anissa.kempf-at-unibas.ch
Lim	Roderick	Prof. Dr.	Structural Biology / Nanobiology	roderick.lim-at-unibas.ch
Maier	Timm	Prof. Dr.	Structural Biology	timmm.maier-at-unibas.ch
Mango	Susan	Prof. Dr.	Chromosome organization / Trans-generational signaling in development / Polarity and morphogenesis	susan.mango-at-unibas.ch
Neher	Richard	Prof. Dr.	Biophysics / Computational Biology	richard.neher-at-unibas.ch
Perez	Camilo	Prof. Dr.	Biophysics / Structural Biology	camilo.perez-at-unibas.ch
Pieters	Jean	Prof. Dr.	Biochemistry	jean.pieters-at-unibas.ch
Rüegg	Markus A.	Prof. Dr.	Neurobiology / Cell Biology	markus-a.ruegg-at-unibas.ch
Scheiffele	Peter	Prof. Dr.	Cell Biology	peter.scheiffele-at-unibas.ch
Schier	Alex	Prof. Dr.	Developmental Biology	alex.schier-at-unibas.ch
Schwede	Torsten	Prof. Dr.	Bioinformatics	torsten.schwede-at-unibas.ch
Spang	Anne	Prof. Dr.	Biochemistry	anne.spang-at-unibas.ch
van Nimwegen	Erik	Prof. Dr.	Bioinformatics	erik.vannimwegen-at-unibas.ch
Zavolan	Mihaela	Prof. Dr.	Bioinformatics	mihaela.zavolan-at-unibas.ch

## B. Supervision by a scientist external to the Biozentrum

Scientists external to the Biozentrum can supervise a Master thesis in Molecular Biology, with a full-time professor of the Biozentrum as a responsible secondary supervisor. 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 below for details).

External supervisors can supervise more than one Master student upon approval of the Teaching Committee of the Biozentrum (request via email to the committee head Prof. S. Hiller ([sebastian.hiller@unibas.ch](mailto:sebastian.hiller@unibas.ch)); the committee meets once a month).

### Department of Biomedicine (DBM) ([www.biomedizin.unibas.ch](http://www.biomedizin.unibas.ch))

Last name	First name	Title	Area of research	Email
Banfi	Andrea	PD Dr.	Angiogenesis	andrea.banfi-at-usb.ch
Bentires-Alj	Mohamed	Prof. Dr.	Tumor Heterogeneity Metastasis and Resistance	m.bentires-alj-at-unibas.ch
Berger	Christoph	PD Dr.	Translational Immunology	christoph.berger-at-usb.ch
Bettler	Bernhard	Prof. Dr.	Molecular Neurobiology Synaptic Plasticity	bernhard.bettler-at-unibas.ch
Brink	Marijke	Prof. Dr.	Cardio Biology	marijke.brink-at-unibas.ch
Christofori	Gerhard M.	Prof. Dr.	Tumor Biology	gerhard.christofori-at-unibas.ch
De Libero	Gennaro	Prof. Dr.	Experimental Immunology	gennaro.delibero-at-unibas.ch
Derfuss	Tobias J.	Prof. Dr.	Clinical Neuroimmunology	tobias.derfuss-at-usb.ch
Donath	Marc	Prof. Dr.	Diabetes Research	marc.donath-at-unibas.ch
Finke	Daniela	Prof. Dr.	Developmental Immunology	daniela.finke-at-unibas.ch
Heim	Markus	Prof. Dr.	Hepatology	markus.heim-at-unibas.ch
Hess	Christoph	Prof. Dr.	Immunobiology	christoph.hess-at-unibas.ch
Hirsch	Hans H.	Prof. Dr.	Transplantation Virology	hans.hirsch-at-unibas.ch
Holländer	Georg	Prof. Dr.	Pediatric Immunology	georg-a.hollaender-at-unibas.ch
Kapfhammer	Josef	Prof. Dr.	Developmental Neurobiology and Regeneration	josef.kapfhammer-at-unibas.ch
Khanna	Nina	Prof. Dr.	Infection Biology	nina.khanna-at-unibas.ch
King	Carolyn	Prof. Dr.	Infection Immunology	carolyn.king-at-unibas.ch
Klimkait	Thomas	Prof. Dr.	Molecular Virology	thomas.klimkait-at-unibas.ch
Krenger	Werner	PD Dr.	Pediatric Immunology	werner.krenger-at-unibas.ch
Martin	Ivan	Prof. Dr.	Tissue Engineering	ivan.martin-at-unibas.ch
Meyer	Sara Christina	Prof. Dr.	Myeloid Malignancies	sara.meyer-at-unibas.ch
Pinschewer	Daniel	Prof. Dr.	Experimental Virology	daniel.pinschewer-at-unibas.ch
Recher	Mike	Prof. Dr.	Immunodeficiency	mike.recher-at-unibas.ch
Schär	Primo Leo	Prof. Dr.	Molecular Genetics	primo.schaer-at-unibas.ch
Schwaller	Jürg	Prof. Dr.	Childhood Leukemia	j.schwaller-at-unibas.ch
Skoda	Radek	Prof. Dr.	Experimental Hematology	radek.skoda-at-unibas.ch
Treves	Susan	Prof. Dr.	Calcium regulation in skeletal muscle	susan.treves-at-unibas.ch
Tussiwand	Roxane	Prof. Dr.	Immune Regulation / Immunology Development and Molecular Biology	r.tussiwand-at-unibas.ch

Last name	First name	Title	Area of research	Email
Wymann	Matthias P.	Prof. Dr.	Cancer- and Immunobiology	matthias.wymann-at-unibas.ch
Zeller	Rolf	Prof. Dr.	Developmental Genetics	rolf.zeller-at-unibas.ch
Zippelius	Alfred	Prof. Dr.	Cancer Immunology	alfred.zippelius-at-unibas.ch

**Friedrich Miescher Institute for Biomedical Research (FMI)** ([www.fmi.ch](http://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
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
Thomä	Nicolas	Dr.	Genome Regulation	nicolas.thoma-at-fmi.ch

**BioVersys AG** ([www.bioversys.com](http://www.bioversys.com))

Last name	First name	Title	Area of research	Email
Kemmer	Christian	Dr.	Microbiology	christian.kemmer-at-bioversys.com

**Center for Transgenic Models (CTM)** ([www.ctm-basel.ch](http://www.ctm-basel.ch))

Last name	First name	Title	Area of research	Email
Pelczar	Pawel	Dr.	Transgenic Techniques	pawel.pelczar-at-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](http://www.upkbs.ch))

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

### **C. Application procedure for new external supervisors**

The external supervisor (principle 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 (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. S. Hiller (email: [sebastian.hiller@unibas.ch](mailto:sebastian.hiller@unibas.ch)) with a copy to Susan Kaderli (email: [susan.kaderli@unibas.ch](mailto:susan.kaderli@unibas.ch)).

The application is considered at the next upcoming GLV meeting, which are 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/>.