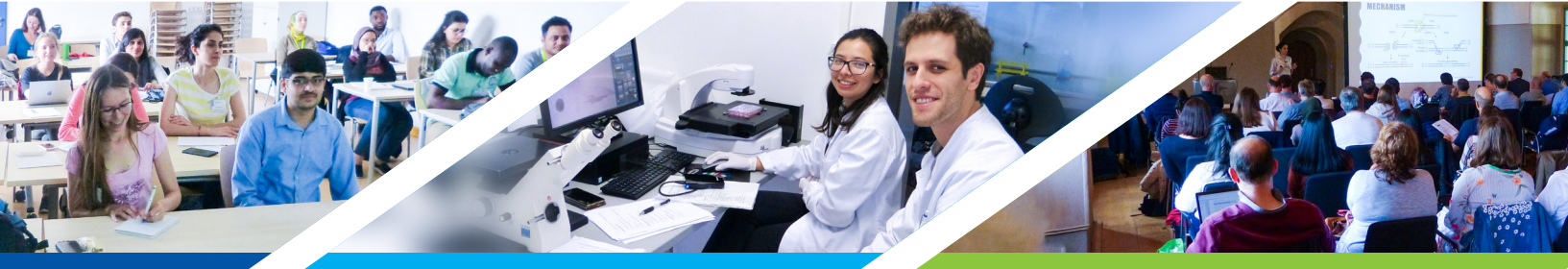


LOGBOOK for PhD and MD students of the Graduate Program Experimental Medicine



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Graduate Program Experimental Medicine



The Interdisciplinary Center of Clinical Research (IZKF) of the Jena University Hospital promotes clinical and basic research thereby strengthening the major research topics of the medical faculty and allowing the development of new research areas.

The graduate program Experimental Medicine is part of the IZKF promotion program for young scientists. It is open to doctoral students of life sciences and medicine coming from different research groups of the Medical Faculty and the Faculty for Biological Sciences and provides a diversified curriculum. The qualification program familiarizes students with up-to-date topics of molecular and experimental medicine and modern laboratory techniques. It includes a lecture series, which is dealing with the pathogenesis of immunological, inflammatory, oncological and neurological diseases, method courses on advanced molecular biology and cell biology techniques, imaging techniques, electrophysiological methods, functional and morphological analysis as well as animal studies.

An intensive scientific exchange with experts from the respective research fields including placements in host labs is also part of the program. The aim of this graduate program is to develop doctoral students into competent young scientists who will prospectively address topics of experimental medicine in clinical and basic research studies in a collaborative and successful manner.

Foreword

Dear Doctoral Students,
this logbook has been prepared in accordance with the DFG rules for good scientific practice and will assist you throughout your PhD/MD studies within the graduate program Experimental Medicine. It represents an official record of the contacts between you and your supervisor(s), of the modules you participated in and, related to that, of the acquired qualifications. Moreover, it serves to ensure the quality of training of young researchers within the graduate program

As members of our graduate program, you are required to keep logbooks and record your activities and your participation in mandatory and elective qualification modules. You are advised:

- » to prepare your logbook with care and honesty
- » to ask the respective supervisor/lecturer to confirm the participation in required modules and the acquired competencies by signature
- » to present your logbook to supervisors at any meeting upon request and to make it available to reviewers and members of your supervision committee during the reviewing process of your thesis
- » to send your logbook to the spokesperson for review and documentation purposes after having completed the program

Additionally, we will provide you with templates for supervision agreements and annual reports. The latter will help you to prepare the annual meetings with your thesis committee and to record the agreed objectives. The annual reports and the supervision agreement have to be sent to the spokesperson of the program.

All PhD/MD doctoral students are welcome to join the program for the whole period of their doctoral studies. Medical doctoral students supported by the IZKF are expected to participate at least for the period of funding.

We highly appreciate any comments and suggestions that will enable us to further improve the logbooks and the IZKF qualification program. We wish you all good start of your doctoral studies as well as a successful completion of it.

Sincerely yours,



Prof. Dr. Regine Heller

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Personal Information Summary



Doctoral candidate & supervisors

Doctoral candidate (name)

.....

1st Supervisor (name/ department)

.....

2nd Supervisor (name/ department)

.....

3rd Supervisor (name/ department)

.....

Contact information (doctoral candidate)

Institute / Department

.....

E-Mail

.....

Phone

.....

Doctoral studies

Title of thesis

.....

.....

.....

.....

Length of PhD/MD studies (beginning [mm.yyyy] / expected end [mm.yyyy])

.....

.....

Funding

.....

Qualification Program



Mandatory modules	No. of events / activities per year	
	PhD	MD
Supervision		
Meetings with supervisory committee	1	1
Reports (written)	1	1
Lecture program and courses		
Lectures	9	6
Method courses	2	1
Soft skill courses provided by IZKF or JGA	1	1
Guest lectures	2	1
Graduate program retreat	1	1
Progress reports	1	1
Activities in project groups		
Presentation of scientific papers (journal club)	2	2
Progress reports	2	2
Participating in all group or institute activities during the period of doctoral studies (meetings, retreats)	75 %	75 %

Qualification Program



Elective events / activities per year	No. of events / activities per year	
	PhD	MD
	2	1
Teaching		
Participation in the organization of practical courses		
Contribution to supervision of bachelor or master students		
Participation in conferences		
Poster or oral contribution highly recommended		
Laboratory rotations		
Working stay in other labs inside or outside the university		
Scientific writing		
Contribution to writing of papers		
Organizational activities		
Organizing students' meetings, retreats, small workshops, inviting guest lectures, tutoring for summer school		
PR activities		
Writing articles for websites (IZKF, JSMM, institutes), long night of science, work with pupils		

Method Courses

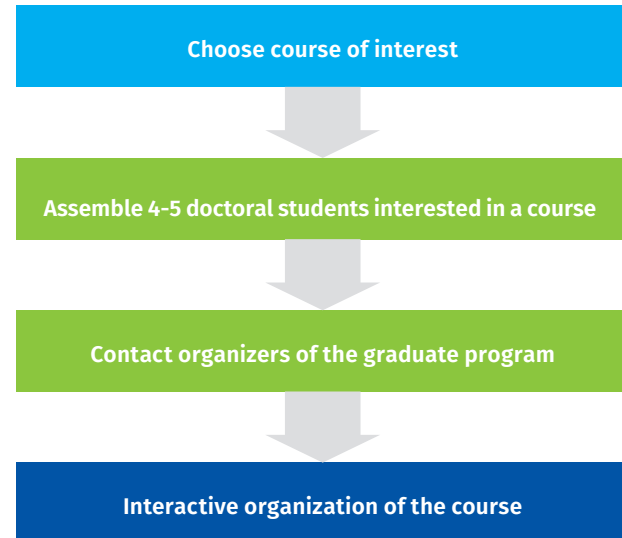


Within the graduate program Experimental Medicine, method courses and individual lab visits to address questions about specific methods will be offered and can be chosen according to the respective needs of doctoral students. The participating groups dispose of a broad spectrum of techniques from cell biology, microscopy, protein analysis, molecular biology, bioinformatics and animal experiments and will share their expertise with interested doctorands.

Method courses on demand will be organized by the program if a group of 4-5 participants is interested in a specific method. The doctoral students should then contact the spokesperson, the IZKF office or the JSMM office for organizing the course (regine.heller@med.uni-jena.de / izkf@med.uni-jena.de / anne.knierim@med.uni-jena.de).

Examples for possible topics of method courses are: primary and tumor cell cultures, epithelial permeability, transcriptional regulation, reporter gene assays, intracellular calcium signaling, chromatin immunoprecipitation, flow cytometry, imaging techniques, angiogenesis assays, host-pathogen interactions, molecular cytogenetics, xenotransplantation of tumors, microsurgery.

Method courses on demand – procedure



Meetings with Supervisory Committee



Date	Venue	Supervisors present	Signatures Supervisors
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Annual Reports



Date	Title	Signature Supervisor
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IZKF-lectures



Date	Venue	Title



Date	Venue	Title

IZKF-lectures



Date	Venue	Title

IZKF Method Courses



Date	Venue	Event or Activity

Soft Skill Courses provided by IZKF



Date	Venue	Event or Activity

Soft Skill Courses provided by JGA



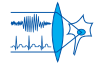
Date	Venue	Event or Activity	Signature Supervisor

Guest Lectures



Date	Venue	Event or Activity

IZKF Retreat



Date	Venue	Event or Activity
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Progress Report



Date	Venue	Event or Activity
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Presentation of Scientific Papers



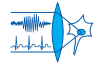
Date	Venue	Event or Activity	Signature Supervisor

Progress reports in project group



Date	Venue	Event or Activity	Signature Supervisor

Elective Events / Activities



Date	Venue	Event or Activity	Signature Supervisor

Participating Institutions



Biomolecular Photonics Group	Department of Radiotherapy and Radiation Oncology
Department of Anesthesiology and Intensive Care Medicine	Department of Trauma, Hand and Reconstructive Surgery
Department of Cardiothoracic Surgery	Department of Urology
Department of Clinical Chemistry and Laboratory Medicine	Hans-Berger Department of Neurology
Department of Conservative Dentistry and Periodontology	Institute of Anatomy II
Department of Dermatology	Institute of Biochemistry I / II
Department of General, Visceral and Vascular Surgery	Institute of Biochemistry and Biophysics /CMB
Department of Gynaecology and Reproductive Medicine	Institute of Diagnostic and Interventional Radiology
Department of Internal Medicine I (Cardiology)	Institute of General Zoology and Animal Physiology
Department of Internal Medicine II (Hematology/Oncology)	Institute of Human Genetics
Department of Internal Medicine III (Experimental Nephrology)	Institute of Immunology
Department of Internal Medicine IV (Gastroenterology, Hepatology and Infectious Diseases)	Institute for Infectious Diseases and Infection Control
Department of Neuropediatrics	Institute of Medical Microbiology
Department of Neurosurgery	Institute of Medical Statistics
Department of Obstetrics	Institute of Molecular Cell Biology
Department of Ophthalmology	Institute of Pharmacology and Toxicology
Department of Orthopedics	Institute of Physical Chemistry and Abbe Center of Photonics
Department of Otorhinolaryngology	Institute of Physiology I / II
Department of Pediatrics	Leibniz Institute on Aging - Fritz Lipmann Institute
Department of Pharmaceutical/Medicinal Chemistry	Section Pathology / Institute of Forensic Medicine
Department of Psychiatry and Psychotherapy	Septomics Research Center

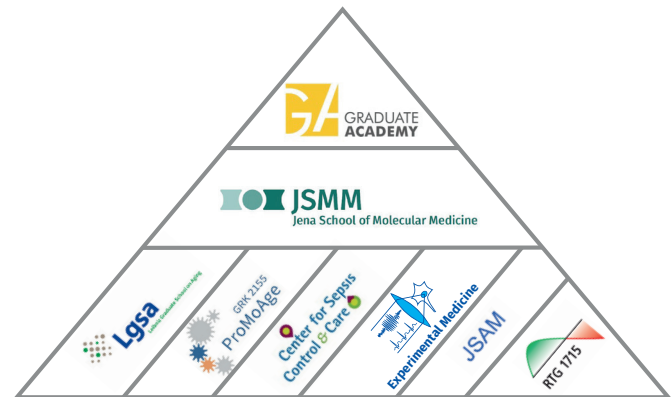
Qualification Environment



The graduate program Experimental Medicine belongs to the JSMM (<http://www.jsmm.uni-jena.de/cms>), which in turn is a member of the Jena Graduate Academy (JGA). The JSMM coordinates six graduate programs:

- » the CSCC-Research Training Group (CSCC-RTG)
- » the RTG 1715 “Adaptive Stress Responses”
- » the graduate program Experimental Medicine
- » the Jena School for Ageing Medicine
- » the GRK 2155 “ProMoAge”
- » and the Leibniz Graduate School on Aging and Age-Related Diseases

The JSMM provides a platform for young life scientists and medical students who work towards a doctoral degree in different fields of molecular and experimental medicine and aims at building bridges between molecular and cellular biology, biophotonics, molecular medicine and clinical research. The JSMM program includes the organization of an annual postgraduate symposium and minisymposia on different topics as well as short-term scholarships and travel grants.



Qualification Environment



The JSMM is a member of the Jena Alliance Life in Focus, which is a collaboration project of four life sciences and photonics graduate schools in Jena. The Jena Alliance is funded by the Carl Zeiss Foundation. Its aims are

- » interdisciplinary training of doctoral students in life science, photonics and medicine
- » interdisciplinary supervision
- » support of translational research
- » coordination of international recruitment, supervision and qualification of doctoral candidates
- » enhancement of the international profile of the Friedrich Schiller University Jena



Qualification Environment



The Graduate Academy is one of the Friedrich Schiller University's central scientific institutions and the umbrella organization of all graduate schools of the university. Central aims are to support doctoral candidates and postdocs, to implement general quality standards, to minimize bureaucratic demands on researchers and to provide space for initiatives of young researchers. The Graduate Academy offers a comprehensive advanced qualification program covering

- » fundamental questions of sciences and humanities
- » research methods
- » presenting and publishing
- » communication, leadership and management
- » career planning and job application
- » languages.

As members of the graduate program Experimental Medicine, you are welcome to join transferable courses provided by the Graduate Academy. For detailed information, please check:

<http://www.jga.uni-jena.de/en/qualification.html>



Graduate Academy
of Friedrich Schiller University Jena

Address:
House for young researchers „Zur Rosen“
Johannisstraße 13
07743 Jena

Notes



Notes



<https://www.uniklinikum-jena.de/izkf/>

