



Jena School of Molecular Medicine

Member of the Jena Alliance *Life in Focus* – a Carl

Zeiss Foundation Project

Advertisement

The Jena School for Molecular Medicine (JSMM), a member of the Jena Alliance *Life in Focus* funded by the Carl Zeiss Foundation, invites applications for

Doctoral Researcher Positions

The JSMM offers an interdisciplinary graduate programme in an inspiring research environment with a unique combination of expertise in molecular and cellular biology, biophotonics, molecular medicine and clinical research. In this context, the JSMM aims to support projects at the interface of molecular and clinical medicine and biophotonics. The available projects are:

1. Role of SPRED1 and endocytosis in the regulation of the Ras/Erk pathway (Supervision: Prof. Ignacio Rubio, Department of Anesthesiology and Intensive Care Medicine, Jena University Hospital)
2. The role of ER-phagy for ER structure and function (Supervision: Prof. Christian Hübner, Institute of Human Genetics, and Prof. Michael Habeck, University Hospital Jena)
3. UV Laser CHIP-assisted identification of RFX7 target genes controlling the myeloid differentiation blockade in AML (Supervision: Dr. Tino Schenk, Department of Internal Medicine II, University Hospital Jena, and Dr. Martin Fischer, Leibniz Institute on Aging, Fritz-Lipmann Institute (FLI))
4. Muscarinic acetylcholine receptor: interaction with β -arrestin, internalization and signaling from intracellular compartments (Supervision: Prof. Carsten Hoffmann, Institute of Molecular Cell Biology, University Hospital Jena)
5. Intersubunit cooperativity in metabotropic glutamate receptors (Supervision: Dr. Ralf Schmauder, Institute of Physiology II, University Hospital Jena)

Requirements:

Excellent master degree (or equivalent) in life sciences (biochemistry, biology, biophysics/biophotonics, molecular biology, molecular medicine and related fields).

What we offer:

Fascinating and interdisciplinary research projects in the field of molecular medicine and an interdisciplinary teaching programme at a high scientific level including tailored lectures, visiting scientist seminars, lab courses, soft-skill workshops, and a mentoring programme for career development.

What we expect:

High motivation and passion for research, the ability to work creatively and to enjoy collaborative work, methodological skills, the readiness to take the extra step of interdisciplinary approaches, excellent English communication skills and active participation in our graduate programme.

For application, please submit:

- motivation letter (please, specify 2 of the advertised projects that you are interested in)
- curriculum vitae
- degree certificates
- summary (maximum 3 pages) of your diploma or master thesis
- two letters of recommendation

Please, send your application as **one** PDF file to

Ms. Anne Knierim, JSMM Office, anne.knierim@med.uni-jena.de