



The Institute of Biochemistry I & The Section of Translational Neuroimmunology, Dept. Neurology invites applications for a

PhD candidate (wissenschaftlicher Mitarbeiter (m/f/d))

Supervisors: Prof. Dr. rer. nat. Britta Qualmann and Prof. Dr. med. Christian Geis according to TV-L
Salary: 1st year 20 hours/week; subsequently 26 hours/week)
Working hours: at earliest convenience
Starting: 3 years
Term of employment:

We seek for a productive addition to our research team in a collaborative project. The project will focus on unveiling pathomechanisms of synaptic changes underlying autoimmune disorders of the central nervous system by the application of super-resolution microscopy techniques.

The Geis lab examines immune-mediated changes of synapses by interactions with pathogenic human antibodies against neuronal proteins. Short- and long-term effects on neuronal networks are analyzed using electrophysiological and various microscopy methods.

The Qualmann lab is an internationally well-known lab that focusses on proteins with the power to shape the dendritic arbor of neurons, which is important for network formation and synaptic plasticity, as well as on molecular mechanisms used by such proteins, i.e. direct membrane shaping and force generation by locally controlled actin nucleation.

The project combines the expertise of both labs and thus offers an excellent opportunity to work on a hot field of cell/neurobiology with broad and state-of-the-art methods and equipment.

We welcome applications from candidates fulfilling the following criteria:

- Post-graduate candidates in neurosciences, biology, or related natural sciences
- Special interest in neurosciences and high-end microscopy
- Basic knowledge in neuroscience
- Very good language proficiency in English
- Candidates with a high level of motivation and enthusiasm and excellent communication and teamwork skills

Contact:

Prof. Dr. Britta Qualmann & PD Dr. Michael M. Kessels:
Telefon: 03641 – 9 396 310
Personal Dept. UKJ: Mrs. Göpfert:
Phone: (+ 49) 03641 – 9 320645
Universitätsklinikum Jena – Friedrich-Schiller-Universität Jena
Geschäftsbereich Personalmanagement
Bachstraße 18 | 07743 Jena

At the 25 institutes and 26 clinical centers of the Jena University Hospital (UKJ), scientists from various nations in the world work together to uncover fundamental principles of life as well as pathomechanisms of diseases.

The UKJ is an equal opportunity employer promoting the advance of women in science.

We offer an outstanding interdisciplinary research environment with top quality education and state-of-the-art instrumentation:

- Excellent supervision and interaction in a young and motivated research team
- “Hot topic” in neurology and neuroscience
- Multidisciplinary work in biology, medicine, neuroscience, physiology, optics, and immunology
- State-of-the-art instrumentation and modern workplaces
- Close collaborations with renowned scientist in the field of neuroscience
- Communicative atmosphere within a scientific network providing top-level research facilities
- Opportunities for participation at national and international meetings
- Integration in local PhD program (JSMM) and Graduate Academy
- Educational and other family-related benefits
- Company pension scheme (VBL)
- Jena is a young, lively and international university town (25% students) with dynamic businesses, successful scientific innovation centers and a vibrant cultural scene and was ranked 2nd in the German career atlas.

We are looking forward to your application:

- Curriculum vitae (incl. summary grades of all educational steps and methods familiar with)
- Cover letter describing your motivation to work with us
- List of publications
- Certificates and complete transcripts of Master and Bachelor degrees
- List of three reference addresses

Online recruitment portal: www.uniklinikum-jena.de/Karriere
or directly via E-mail to: Michael.Kessels@med.uni-jena.de

Reference number: DM15/2020 (internal & external)

Application deadline: 15th of March 2020