



The Section of Translational Neuroimmunology, Dept. Neurology & The Institute of Biochemistry I invites applications for a
PhD candidate (wissenschaftlicher Mitarbeiter (m/f/d))

Supervisors:	Prof. Dr. med. Christian Geis & Prof. Dr. rer. nat. Britta Qualmann
Salary:	TV-L E13 (1st year, 50%; subsequently 65%)
Starting:	at earliest convenience
Term of employment:	3 years

We seek for a highly motivated PhD candidate for 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 and electrophysiology techniques.

The Geis lab examines immune-mediated changes of synapses by interactions with pathogenic human antibodies against neuronal proteins using electrophysiological and various microscopy methods.

The Qualmann lab focusses on molecular mechanisms of proteins shaping the dendritic arbor of neurons, which is important for network formation and synaptic plasticity.

The project combines the expertise of both labs and thus offers an excellent opportunity to work on a hot field of translational neuroscience and neurobiology. The PhD candidate will apply state-of-the-art super-resolution microscopy and electrophysiology techniques together with molecular biology to investigate pathogenic mechanisms of AMPA glutamate receptor antibodies *in-vitro* in neuronal cell culture and established *in-vivo* models.

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:

Franziska Kühn
Phone: (+ 49) 03641 9 32 06 63
Universitätsklinikum Jena Am Klinikum 1 | 07747 Jena

For informal enquiries please contact Prof. Dr. Christian Geis (E-Mail: neuroimmunologie@med.uni-jena.de).

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 reference addresses

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

Reference number: DM37/2020 (internal & external)

Application deadline: 23rd of August 2020 – We reserve the right to invite applicants to interviews before the application deadline

In case of equal qualification, persons with disabilities will be given priority.