

The Section of Translational Neuroimmunology, Department of Neurology at the Jena University Hospital invites applications for a **PhD candidate (wissenschaftlicher Mitarbeiter (m/f/d))**

Supervisor: Prof. Dr. Christian Geis
Salary: TV-L (50% first year, 65% from second year)
starting: at earliest convenience
Term of employment: 3 years

Our interdisciplinary and expanding team is seeking a talented and highly motivated PhD candidate with special interest in super-resolution microscopy and/or electrophysiology.

The Section of Translational Neuroimmunology is currently established by the Schilling Foundation and Jena University Hospital and is further funded by the DFG, the BMBF, and the EU. Our special research interests are basic pathomechanisms of synaptic changes underlying autoimmune disorders of the central nervous system.

For analysis of immune-mediated changes of central synapses we are investigating interactions of pathogenic human antibodies with neuronal proteins or long-term effects of severe systemic inflammation (sepsis) on neuronal networks. In these projects we apply super-resolution microscopy (e.g. dSTORM and structured illumination microscopy) and electrophysiological analyses (e.g. patch-clamp and extracellular recordings). Projects include experiments in primary neurons and brain slices as well as behavioral studies in different animal 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 and/or electrophysiology
- Basic knowledge in neuroscience
- Very good language proficiency in English and scientific communication
- Candidates with a high level of motivation and enthusiasm and excellent communication and teamwork skills

Contact:

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At the 25 institutes and 26 clinical centers of Jena University Hospital, the scientists and physicians work both in the fields of fundamental biomedical research and in patient-related clinical research. There are two main aspects that make a university hospital different from non-university hospitals: ambitious research on the highest level and top quality education of students.

We offer an outstanding interdisciplinary research environment as well as:

- Excellent supervision and interaction in a young and motivated research team
- "hot topic" in neurology and neuroscience
- Multidisciplinary projects in the area of biology, medicine, neuroscience, physiology, optics, and immunology
- State-of-the art instrumentation and modern workplaces of excellent quality
- Close collaborations with renowned scientist in the field of neuroscience
- Opportunity for research on an innovative research platform
- A communicative atmosphere within a scientific network providing top-level research facilities
- Opportunities for participation at national and international meetings
- Integration in local PhD programs
- educational and other family related benefits
- company pension scheme (VBL)
- The place of work is Jena, Germany, a young and lively university town with dynamic business activities, successful scientific centers of innovation, and a vibrant cultural scene

Interested candidates should submit the following documents:

- Curriculum vitae
- Cover letter describing your motivation to work with us
- List of publications
- Contact details and recommendation letters of referees

Please send above mentioned documents via our online recruitment portal: www.uniklinikum-jena.de/Karriere

Reference number: DM25/2019 (internal and external)
Application deadline: 09. August 2019

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