The University Hospital Bonn is a maximum care facility with a regular capacity of 1,300 beds. Our current staff of more than 8,000 performs assigned duties in research, teaching and medical treatment, including the use of advanced medical technologies, and public health care services at the highest possible level. Interested applicants will be offered a wide range of employment opportunities in a variety of fields.

The Department of Epileptology University Hospital Bonn, Germany (Direktor Prof. Dr. R. Surges) invites applications for a

**PhD position (m/f/d)**

(65 %)

The position starts as soon as possible and is for a period of three years, with the possibility of extension.

The research focus of this project will be on the characterization of molecular mechanisms underlying neuroinflammation in epilepsy. In particular, in the project we are studying (1) central pathomechanisms of limbic encephalitis to develop derived therapy strategies, and (2) the functional role of specific auto-antibodies in immune mediated limbic encephalitis. This research is based on a wide array of methods including in vitro (primary cell culture) and animal models (viral transgenic, EEG recordings) approaches, cell biological, molecular, biochemical, histological as well as imaging techniques (e. g. Pitsch et al. 2020). The study is a collaboration with Prof. A. Becker (Neuropathology, Bonn) and Prof. R Surges (head of Dept. of Epileptology).

The ideal candidate will be ambitious, highly motivated, team-oriented graduate student with a strong interest in immunology and neurobiology. Prior research experience with animal experimentation, microscopy, or electrophysiology techniques is advantageous. Candidates should hold a Master’s degree or equivalent in Neuroscience, Biological Science, Biomedical Engineering, or a related field. Candidates should also demonstrate aptitude in written and spoken English.

Interested candidates should send curriculum vitae, letter of motivation indicating starting date, short description of past lab experience, copies of university degree(s) with academic records, contact information and at least two reference letters (or the referee’s contact info) in a single PDF file.

**We offer:**

- The salary will be according to the German salary scale TV-L (EG 13)
- A “Jobticket” (subsidized public transport) is available
- There is also a possibility to use the day care center
- Supplementary benefits in the public sector (pension plan according to VBL)
The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. It aims to increase the proportion of women in areas where women are under-represented and to promote their careers in particular. It therefore urges women with relevant qualifications to apply. Applications will be handled in accordance with the Landesgleichstellungsgesetz (State Equality Act). Applications from suitable individuals with a certified serious disability and those of equal status are particularly welcome.

Questions concerning the projects can be addressed to Dr. J. Pitsch (jpitsch@uni-bonn.de). Applications by email only can be sent to ruth.bender@ukbonn.de until the 12th of August. Please refer to the application number 390_2020.

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