



The Institute of Neuroimmunology and Multiple Sclerosis (INIMS; Director: Professor Manuel Friese) at the Centre for Molecular Neurobiology Hamburg (ZMNH) invites applications for a

## PhD Student Position in Neuroimmunology

Wage group E13 TV-KAH (65%); Referenzcode: 2017-49

The position is vacant from 01 April 2017 with an initial fixed-term contract of 3.5 years, with the possibility for extension. Salary corresponds to 65% of the German wage group of a scientist according to TV-KAH E13. The INIMS ([www.inims.de](http://www.inims.de)) at the Centre for Molecular Neurobiology (ZMNH) focuses on understanding immune cell dysregulations and their neurobiological consequences in multiple sclerosis (MS). We combine immunological, neurobiological, genetic, and systems biology approaches (see Willing A, et al. Eur J Immunol 2014;44: 3119–28; Ufer F, et al. Sci Immunol 2016;1:eaaf8665; Engler JB, et al. PNAS 2017;114(2):E181-E190). The offered position is part of a collaborative research consortium on “identification of immune mechanisms in diseases with sex specific differences” funded by the Federal State of Hamburg. The offered PhD project aims at investigating sex specific differences in immune cell responses in the pathogenesis of MS and its mouse model. The PhD student will be enrolled in the ZMNH PhD program, which offers structured mentoring as well as an international academic and non-academic study program. The ZMNH offers excellent research infrastructure and working conditions in a dynamic and international research environment located in beautiful, cosmopolitan Hamburg, Germany. Working language of the lab and institute is English.

### Job description:

- Independent organisation and execution of basic research experiments in molecular and cellular immunology
- Analysis of immune cells from patient material as well as investigating molecular mechanisms in transgenic mouse models of MS
- Application of molecular, cell biology and immunological methods (i.e. cell culture, flow cytometry, PCR and microscopy)
- Cooperation with other immunological scientists and bioinformaticians at the institute and within the UKE-based collaborative research consortium
- Participation in weekly internal seminars and meetings, regular presentation of own research progress
- Exact documentation of research results
- Execution of literature research
- Presentation of research results in publications and as poster or oral presentation on internal and international conferences and symposia

### Your profile:

- Master degree/diploma in biological, biomedical sciences or biochemistry or related
- Strong scientific interest in immunological, molecular and cell biology research with medical relevance
- Practical experience in basic cell biology, biochemical and/or molecular biology methods
- Preferred are practical experiences in cell culture and/or immunological methods (flow cytometry), processing of human sample material, as well as transgenic animal models
- Good command of English (oral and written) and MS Office
- Ability to work in a team, efficiently and well-organised on a project

**Queries** to Professor Manuel Friese, phone: (040)7410 -57277 or email: [manuel.friese@zmnh.uni-hamburg.de](mailto:manuel.friese@zmnh.uni-hamburg.de)

We offer a working environment that gives equal opportunities independent of age, gender, sexual orientation, disability, origin or religion. This is verified by signatory of the Corporate Charta of Diversity. Applicants with significant physical disabilities will be given preference over others being equally qualified. The University Medical Centre Hamburg-Eppendorf wishes to enhance the proportion of women in those areas where they are underrepresented. Women are therefore particularly encouraged to apply.

Please send your application to [bewerbung@uke.de](mailto:bewerbung@uke.de) or to Universitätsklinikum Hamburg-Eppendorf, GB Personal, Recht & Organisation, Recruitment, Martinistr. 52, 20246 Hamburg **until March 6<sup>th</sup>, 2017** with the subject line and include a single attachment (PDF file, max. 2 MB) containing:

- 1) 1–2 page cover letter summarizing scientific accomplishments, research and career goals, reasons for the interest in our project, and expected date of availability
- 2) CV with complete certificates (starting from Abitur/A-levels/high school)
- 3) Contact information for two to three references