



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

Postdoctoral Position in Neuroimmunology

Wage group E13 TV-KAH; Referenzcode: 2017-48

The position is vacant as from now with an initial fixed-term contract of two years, with the possibility for extension. Salary corresponds to the German wage group of a scientist according to TV-KAH E13. The INIMS (www.inims.de) at the Centre for Molecular Neurobiology (ZMNH) focuses on understanding immune cell dysregulations and their neurobiological consequences in multiple sclerosis (MS) as well as the immune and nervous system directly interact. We combine immunological, neurobiological, genetic, and systems biology approaches in the mouse model together with translational approaches by studying human material (see Schattling B, et al., Nature Medicine. 2012;18:1805-1811; Engler JB et al. PNAS. 2017;114:E181-E190). The offered position is part of a project funded by the Deanery of the UKE in preparation of the German Excellence Initiative and aims at the characterisation of the molecular and cellular interactions of the immune and nervous system. Based on our previous studies (Ufer F, et al. Science Immunology 2016;1:eaaf8665) the project is aimed at analysing the functional role of synaptic molecules in dendritic cells and how they contribute to their direct interaction with peripheral nerves. 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
- Use of functional genomic analysis, cellular immunologic methods (i.e. flow cytometry), as well as analytical biochemical/cell biology procedures
- Cooperation with other immunology and neurobiology scientists and bioinformaticians, as well as with doctoral students and technicians at the institute and within the UKE-based collaborative researchers
- 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 sciences or medicine and respective PhD/MD degree
- Strong scientific interest in immunological, molecular and cell biology research with medical relevance
- Highly motivated and well-organised intending to pursue research science as a career
- Practical experience in immunology, cell biology, biochemical and/or molecular biology methods
- Preferred are practical experiences with characterisation of dendritic cells and knowledge in neurobiology
- Ideal would be experience in flow cytometry, microscopy, transgenic animal models as well as knowledge in bioinformatic analysis of genomewide data sets
- Good command of English (oral and written) and MS Office
- Ability to efficiently work in a team on a joint project

Queries to Professor Manuel Friese, phone: (040)7410 -57277 or email: 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 or to Universitätsklinikum Hamburg-Eppendorf, GB Personal, Recht & Organisation, Recruitment, Martinistr. 52, 20246 Hamburg **until 06th March, 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