

Centre for Molecular Neurobiology Hamburg (ZMNH) - Institute of Neuroimmunology and Multiple Sclerosis (INIMS)

PhD Student in Neuroimmunology

Wage group E13 TV-KAH, Referencecode: 2018-446e

A position is vacant as soon as possible with an initial fixed-term contract of 4 years. Salary corresponds to 65% of 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). We combine immunological, neurobiological, genetic, and systems biology approaches (see Schattling B, Nat Med. 2012;18:1805-11; Ufer F, et al. Sci Immunol 2016;1:eaf8665; Engler JB, et al. PNAS 2017;114(2):E181-E190; Willing A, et al. J Immunol 2018;200: 974-982). The advertised position is to be filled within the framework of the Collaborative Research Centre 1328 "Adenine Nucleotides in Immunity and Infection" funded by the German Research Foundation. The project focusses on the investigation of T cells and their control by adenine nucleotides (in collaboration with Prof. Viacheslav Nikolaev, UKE) in connection with the pathogenesis of MS and its animal model. The doctoral candidate will be member of the SFB Graduate programme. This enables structured doctoral supervision and includes an internationally oriented, university and non-university study programme. 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 immunological 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 or neurobiological 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, biochemistry, medicine or related
- 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 immunological methods (e.g. 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

Your application should include a single attachment (PDF file, max. 2 MB) containing: 1–2 page cover letter summarizing scientific accomplishments, research and career goals, reasons for the interest in our project, and expected date of availability, CV with complete certificates (starting from Abitur/A-levels/high school), Contact information for two to three references.

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 until **20th August 2018** via our Online-Portal.