Keep your finger on the pulse

**PhD Student in Neuroimmunology**

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

Salary grade 13 TVöD/VKA (internal); externally linked to the collective wage agreement.

We are the University Medical Centre Hamburg-Eppendorf (UKE), a vibrant healthcare community right at the heart of Hamburg. There is a real buzz of energy here, as progress sets the pace and every day offers fresh experiences. Around 11,000 members of staff with a huge diversity of roles are united in pursuit of a single aim: human wellbeing.

With more than 140 different professions, we are the ideal place for anyone who loves to work in a flexible environment, for anyone ambitious to advance their own personal development and that of healthcare as a whole.

**What we can offer**

- An innovative, family-friendly working environment right in the middle of Hamburg (day nursery, free child care during the school holidays)
- Opportunity to participate in a wide range of vocational training, continuing and further education courses at the UKE Academy for Education and Careers, as well as a broad spectrum of introductory events
- An attractive company pension scheme and the use of diverse and multiple award-winning health and illness-prevention offers

**What to expect**

A position is vacant as soon as possible with an initial fixed-term contract of 3 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 eaaf8665; Engler JB, et al. PNAS 2017;114(2):E181-E190; Schattling B, Engler JB, et al. Nat Neurosci. 2019;22(6):887–896). 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 focuses 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.

- 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

What we look for in a candidate
• 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

Contact: 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 can provide a working environment that offers equal opportunities regardless of age, gender, sexual identity, disability, origin or religion. We uphold this by our adherence to the Diversity Charter. Specifically, we are aiming to increase the proportion of women in positions of leadership, in particular academic personnel in research and teaching. Priority consideration will be given to women in the event of equal qualification. The same applies in the event of one gender being underrepresented in the recruiting department. People with a severe disability will be given priority where they have equal aptitude, qualifications and professional expertise.

We look forward to receiving your completed application by 6 January 2020 stating reference code 2019-838_int_eng on our online portal.