



Better together. For life.

PhD Student in Neuroimmunology

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

At the UKE, we are convinced that successful and fulfilling work should be harmonised with the personal needs and individual life plans of all employees. Together we can make this possible.

Every day a little more. Every day a little better.

What to expect

We are the UKE – the University Medical Centre Hamburg-Eppendorf [Universitätsklinikum Hamburg-Eppendorf]. A pulsating centre of health in the heart of Hamburg. When you are surrounded by that much energy and when progress sets the pace, no two days are the same. More than 14,400 employees with very different responsibilities are united by the same goal: ensuring health and well-being.

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, Engler JB, et al. *Nat Neurosci.* 2019;22(6):887–896; Kaufmann M, et al *Med.* 2021 Mar 12;2(3):296-312.e8.; Rothammer N, et al. *Sci Adv.* 2022 Aug 5;8(31):eabm5500). 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 signaling in connection with the pathogenesis of MS and its animal model (in collaboration with Prof. Viacheslav Nikolaev, UKE). 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. cloning, CRISPR technology, cell culture, flow cytometry, confocal microscopy and gene expression analysis by bulk and single-cell RNA sequencing)
- 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 forward to

- 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

What we can offer

- Regular pay according to TVöD/VKA; attractive company pension plan and various employee discounts
- 30 days of vacation; possibility of special leave
- Central location: Our clinic is centrally located at the beautiful Eppendorfer Park
- Sustainable travel: subsidies for the HVV-ProfiTicket and Dr. Bike bicycle service; option to lease a service bike



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- Crisis-proof workplace, meaningful activity, appreciative interaction and open exchange of knowledge within the team; structured induction training
- Opportunity to actively shape and develop the working environment within the framework of our employee program (UKE INSide).
- Family-friendly working environment: cooperation on childcare, free vacation care, advice for employees with relatives in need of care
- Excellent health, prevention and sports offers
- Healthy and varied lunch break: In addition to our canteen, there is a rich selection of culinary offerings just a few steps away, for example the "Health Kitchen" cafés and bistros, as well as other snack bars, bakers, a supermarket, etc.

Contact

Professor Manuel Friese, phone: (040)7410 -57277 or email: manuel.friese@zmnh.uni-hamburg.de

Please note that your application can only be considered if complete proof of immunization or immunity against the measles virus is available in accordance with the applicable (legal and medical) requirements (at the latest by the start of employment). We kindly ask you to enclose such proof with your application documents.

We look forward to receiving your complete application by 10th april 2023 stating reference code WS23163 via e-mail to bewerbng@uke.de.

Erstes gesamtzertifiziertes
Universitätsklinikum Deutschlands

