

# Post-Doctoral Researcher – Disease Mechanisms and their Translation in Nephrology

**Full-time position: 38,5 hours | Fixed-term contract | Location: Hamburg-Eppendorf Center for Internal Medicine - III. Department of Medicine, Nephrology**

## What to expect

The III. Department of Medicine and the Hamburg Center for Kidney Health ([www.hckh.org](http://www.hckh.org)) at the University Medical Center Hamburg-Eppendorf are dedicated to the care of patients and to experimental and clinical kidney research with a number of internationally leading research programs. You will be an integral part of a highly motivated and interdisciplinary team of scientists, students and clinicians aiming to identify mechanisms and new treatment options for various human kidney diseases.

We are looking for a highly motivated, curious and enthusiastic post-doc with extensive experience in molecular biology and animal models of immune-mediated disease to join our lively and dedicated team to elucidate molecular mechanisms of immune-mediated kidney diseases. You will work with and develop cutting-edge single-cell genomics technologies (single-cell RNA-seq, single-cell ATAC-seq and spatial transcriptomics), in combination with traditional experimental approaches across species, and in vitro cell culture or organoid models in the field of translational medicine, inter-organ signalling and kidney research. The position offers the applicant a unique opportunity to work on important medical issues in a community of interactive research labs, bioinformatics experts, core facilities, and computational resources.

Our group is specifically vested in understanding the role of innate immunity's complement system in regulating kidney disease. New insights about local (liver-independent) complement production combined with the recent availability of drugs targeting at the complement system offer an exciting window of opportunity to connect bench and bedside for the benefit of the patient.

We offer a full-time position as scientific employee in the field of medical research at the UKE with the start at 01.05.2023 (flexible). The position is third-party funded and the initial contract will be initially for 3 years with the possibility of further extension.

This position is also available on a part-time basis.

## What we look forward for in a candidate

- PhD in biology, biochemistry, biotechnology or a related field
- Extensive experience in molecular biology and animal models of immune-mediated disease
- Profound knowledge of single cell genomics technologies and methods is an advantage
- Experience in Immunology is an advantage
- Write research and review papers, and contribute to the peer-review process and grant writing

## 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 in Europe in the lively and international metropole city of Hamburg
- Sustainable travel: subsidies for the HVV-ProfiTicket and Dr. Bike bicycle service; option to lease a service bike
- 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

Application to Dr. Tilo Freiwald [t.freiwald@uke.de](mailto:t.freiwald@uke.de) ([freiwaldlab.com](http://freiwaldlab.com)) BMBF Advanced Clinician Scientist in the III. Department of Medicine and Junior Group Leader in the Hamburg Center for Kidney Health.

Please note that your application can only be considered if you are fully immunised against the SARS-CoV-2 virus (at the latest at the start of engagement), supported by valid official vaccination certificate(s). Please submit these with your application.

Wir freuen uns auf eine aussagekräftige Bewerbung bis zum 10.04.2023 unter Angabe des Referenzcodes WS23129\_engl.