

PhD / Postdoc positions at the Hamburg Center for Translational Immunology

Collaborate Research Unit, CRU1192/SFB1192 and HCTI (Hamburg Center for Translational Immunology)

Salary grade 13 TVöD/VKA or 13 TVöD/VKA 65%; externally linked to the collective wage agreement

The project C3 "**High-dimensional single cell profiling in immune-mediated glomerular diseases**" of SFB1192 is a joint project of PD Dr. Christian Krebs, Prof. Dr. Ulf Panzer (both Nephrology/Translational Immunology, UKE) and Prof. Stefan Bonn (Institute of Medical Systemsbiology, ZMNH/UKE), which investigates the organ-specific immune response (sfb1192.de).

The project deals with high-dimensional single cell analysis of immune cells in autoimmune diseases (Krebs et al. *Science Immunology* 2020; Marouf et al. *Nature Communications* 2020; Zhao *et al.* *Science Immunology* 2021). The newly established research profile area HCTI, including a new research building, offers optimal conditions for international top-level research in the field of immunology and systems biology.

Your tasks:

- Analysis of in-house generated single cell RNA-sequencing data sets
- Integrative data analysis
- Cooperation with different projects in the SFB1192
- Development of new single cell OMICS analysis technologies

What we look forward for in a candidate

- PhD (or MSc) in bioinformatics, computer science, molecular life sciences, biochemistry, biology or a relevant field
- Experience with Python, R, Java, SQL and relevant analysis packages
- Good knowledge of presenting research results
- Good knowledge of English due to the international orientation of the working groups
- Prerequisite: Willingness to learn and develop single cell data analysis
- Ability to work in a team, flexibility

Contact:

PD Dr. Christian Krebs: c.krebs@uke.de (cklab.net, Twitter: @Krebs_lab)

Prof. Dr. Stefan Bonn: s.bonn@uke.de

We look forward to receiving your completed application stating **reference code 2021-603_int**.