



Technische Universität Berlin



Research Associate (PostDoc) - salary grade E13 TV-L Berliner Hochschulen

under the reserve that funds are granted, part-time employment may be possible

Faculty III - Process Sciences, Institute of Biotechnology / Department of Technical Immunology

Reference number: III-457/25 (starting at 01/01/26 / limited until 30.06.2028 / closing date for applications 07/11/25)

Your responsibility:

We are looking for competent support (T cell immunology and/or molecular biology or bioinformatics). The group of Alexander Scheffold has a particular interest in T cell mediated regulation of immune responses and tolerance. Specifically we study antigen-specific T cell responses in humans using single cell sequencing and in vitro functional tests (Saggau et al Immunity. 2024;57(10):2416, Saggau et al Immunity. 2022; 55(10):1924, Bacher et al Cell 2016 167(4):1067) and the molecular regulation of T cell tolerance and anti-inflammatory functions (e.g. Ahlers et al. Mucosal Immunol. 2022 Mar;15(3):480-490).

The successful applicant will work on the functional and molecular analysis of autoreactive T cells especially antigen-specific human regulatory T cells in type 1 diabetes (T1 D) and on the identification of therapeutically relevant TCRs. The technological focus is on flow-cytometry, single cell sequencing, cell biology. The project is part of the EU-funded project ARTiDe, aiming at the development of insulin-specific regulatory T cells as a cellular therapy for T1 D.

Your profile:

- successfully completed academic degree and PhD (Master's, Diploma or equivalent) in immunology, molecular life sciences, bioinformatics or similar
- extensive experience with the analysis of regulatory T cells and T cell immunology is required
- similarly experience with one of the following topics is essential: in vitro T cell culture and T cell functionality assays, multiparameter flow-cytometry and cell separation technologies, single cell sequencing and/or bioinformatics experience
- good knowledge of German and/or English required; willingness to acquire the respective missing language skills
- high motivation for an exciting project and the ability to work independently is desired
- excellent organisation, communication and presentation skills (english) and the ability to interact and cooperate within a heterogeneous scientific environment are desirable

How to apply:

Please send your application with the **reference number** and the usual documents (single pdf file, max. 5 MB) by email to Prof. Dr. Scheffold at scheffold@tu-berlin.de.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

The vacancy is also available on the internet at:
<https://www.jobs.tu-berlin.de>

