

The department of **Infection Immunology** at the **Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute** (Leibniz-HKI, www.leibniz-hki.de) studies the regulation of human T helper cells in health and disease. We invite talented and highly motivated candidates to apply as

Postdoctoral Researcher (f/div/m) in Human T-Cell Immunology

Permanent postdoc position available. Employment for 3 years initially with the possibility of transitioning to a permanent position. TV-L 13 or TV-L 14 (according to qualification).

Research Area:

The department of **Infection Immunology** addresses fundamental questions about the mechanistic basis of the human immunological memory. We investigate T-cell communication with the local tissue microenvironment in settings of infections, autoimmunity and cancer. This research has unraveled several novel T-cell functions and immunomodulatory factors (Almeida et al., *Science Immunology* 2022; Matthias et al. *Science Transl Med* 2019 & *J Clin Invest* 2020, Chao et al. *Nat Immunol*, 2023). The department uses novel cutting-edge technologies in the area of high-dimensional single-cell analysis (scRNAseq, Spectral flow cytometry) to translate fundamental insights into translational applications for human health and disease. The prospective candidate will have the opportunity to investigate the regulation of human tissue resident T-cells and their crosstalk with the microenvironment in solid organ transplantation and cancer.

Requirements:

- A doctoral degree (or equivalent) in life sciences or in computational biology
- Experience in the field of immunology. Experience in flow cytometry, cell culture and in high-dimensional single-cell data analysis and programming skills are a plus
- Very good communication and writing skills
- Organizational skills and meticulous experimentation and analysis practices
- Great enthusiasm for translational science

We offer:

- A modern workplace in a brand-new building, with top equipment (Cytek Aurora Spectral Analyser and Sorter, single-cell sequencing etc.)
- A cutting-edge highly funded research project in immunology
- A highly dynamic international young team in a thriving research environment in a Leibniz Institute with

many large collaborative projects such as the Cluster of Excellence Balance of the Microverse

- Participation in structured mentoring programs.

The successful candidate will be hosted in the department of **Infection Immunology** of **Prof. Christina Zielinski**. The Leibniz-HKI is embedded in the outstanding scientific environment of the Beutenberg Campus providing state-of-the-art research facilities and a highly integrative network of life science groups. We offer a multifaceted scientific project with excellent technical facilities, a place in a dynamic, committed team, as well as strong scientific collaborations.

Salary is paid according to German TV-L (TV-L 13 or TV-L14 according to qualification, salary agreement for public service employees). As an equal opportunity employer, the Leibniz-HKI is committed to increasing the percentage of female scientists and therefore especially encourages them to apply.

Further information:

Prof. Dr. med. Christina Zielinski | www.zielinskilab.com

Applications:

Complete applications in English should include a cover letter, a CV containing a complete list of publications, a brief statement of research experiences, the addresses of two possible referees, and should be submitted to christina.zielinski@leibniz-hki.de. The deadline for the advertisement is **November 15, 2023**, but applications will be reviewed on a rolling basis.