Job Advertisement
Leibniz-HKI-11/2023

LEIBNIZ CENTER *for* PHOTONICS *in* INFECTION RESEARCH

The **Leibniz Center for Photonics in Infection Research** (LPI, www.lpi-jena.de) is a project of the National Roadmap for Research Infrastructures of the Federal Ministry of Education and Research (BMBF). As one of the supporting institutions of the LPI, the **Leibniz Institute for Natural Product Research and Infection Biology** (Leibniz-HKI, www.leibniz-hki.de) invites talented and highly gifted candidates to apply. The department of **Infection Immunology** seeks applications for the next possible date for a

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

for two years initially with the possibility for extension and with the perspective of a junior research group leader position.

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 (de Almeida et al. *Sci Immunol* 2022, Chao et al. *Nat Immunol* 2023). We use novel cutting-edge technologies in the area of high-dimensional single-cell analysis and within the LPI network (scRNAseq, spectral flow cytometry) to translate fundamental insights into translational applications for human health and disease. We are seeking highly motivated candidates that are interested to investigate the regulation of human tissue resident T-cells and their crosstalk with the microenvironment.

Candidate´s profile:

- Doctoral degree in Life Sciences or in Computational Biology
- Experience in flow cytometry, cell culture and in high-dimensional single-cell data analysis and programming skills are a plus
- Organizational skills and meticulous experimentation practices
- Great enthusiasm for translational science
- Ability to perform team-oriented as well as independent work
- Very good communication and writing skills are necessary

We offer:

- A modern workplace in a brand-new building, with top equipment (Cytek Aurora Spectral Analyzer and Sorter, single-cell sequencing etc.)

federführende Trägereinrichtungen: unterstützt durch: gefördert von:

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- 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 and participation in six DFG-funded Collaborative Research Centers
- Participation in structured mentoring programs

The successful candidate will be hosted in the department of **Infection Immunology** headed by **Prof. Christina Zielinski**. We offer a multifaceted scientific project with excellent technical facilities, a place in a dynamic, committed team, as well as strong local, national and international scientific collaborations.

The Leibniz-HKI is embedded in the outstanding scientific environment of the Beutenberg Campus, in particular the LPI, providing state-of-the-art research facilities and a highly integrative network of life science groups.

Salary is paid according to German TV-L (salary agreement for public service employees).

For further information:

Prof. Dr. Christina Zielinski | +49 3641 532 1251 | career@leibniz-hki.de

Applications:

Leibniz-HKI is proud to be an equal opportunity employer and promote diversity and inclusion in the workplace. It aims to increase the proportion of underrepresented groups in case of equal suitability. All qualified persons, regardless of race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability, veteran status, or other classification protected by law will receive consideration for employment.

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 via the Leibniz-HKI **online application system**. The deadline for the advertisement is **April 16, 2023**, but applications will be reviewed on a rolling basis.