

The **Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute** (Leibniz-HKI, www.leibniz-hki.de) investigates the pathobiology of human-pathogenic fungi and identifies targets for the development of novel natural product-based antibiotics.

The department of **Infection Immunology** studies the regulation of human T cells in health and disease. We invite talented and highly gifted candidates to apply as

Bioinformatician / Computational Biologist / Systems Immunologist (f/div/m)

for 2 years initially with the possibility of a permanent position.

Research Area:

Regulation of the human immune system in response to infections, cancer and autoimmunity with single-cell RNAseq analysis.

Requirements:

- Doctoral degree (or postgraduate degree MSc) in a computational discipline, preferably with significant experience in Bioinformatics or Computational Biology (R/Bioconductor and Python) or in immunology with significant experience in high-dimensional data analysis (flow cytometry, scRNAseq)
- Experience with the analysis of mRNA transcriptomic data sets, preferably also with single-cell RNAseq data analysis pipelines
- Very good programming skills in R/Bioconductor and/or Python
- Experience in immunology is a plus
- Ability to perform team-oriented as well as independent work
- Good communication and writing skills in English
- High motivation for research

We offer:

- A modern workplace in a brand-new building, with top equipment

Job Advertisement

Leibniz-HKI-50/2022



Leibniz Institute
for Natural Product Research
and Infection Biology
Hans Knöll Institute

- Working on research projects that aim to unravel the regulation of the human immune system in response to infections, cancer and autoimmunity with single-cell RNAseq analysis (*Almeida et al., Science Immunol* 2022)
- Long-term perspectives for an independent position
- Supervision of a young team of students/research assistants in bioinformatics who support your research projects
- Direct involvement in the design of experiments yielding high-dimensional data for further bioinformatic analysis
- Participation in research projects in immunology, development of robust data analysis strategies within current and emerging software packages and tools

The successful candidate will be hosted in the department of **Infection Immunology** of **Prof. Dr. med. Christina Zielinski**, an interdisciplinary team of immunologists and computer scientists. 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 (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 | +49 3641 532 1251 | career@leibniz-hki.de

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 via the Leibniz-HKI **online application system**. The deadline for the advertisement is **December 15, 2022**, but applications will be reviewed on a rolling basis.