
Job Advertisement No. 20/2018

The **Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute –** (HKI, www.leibniz-hki.de) investigates the pathobiology of human-pathogenic fungi and identifies targets for the development of novel natural product-based antibiotics. Research Group **Systems Biology and Bioinformatics** invites talented and highly gifted candidates to apply for a

Doctoral Researcher (m/f) in Bioinformatics

in the domain of genomics and/or metabolic modelling to develop novel therapeutic treatments for human diseases. The position is starting on 1st of January 2019 or soon after for three years.

The Systems Biology & Bioinformatics (SBI) group of Leibniz Institute for Natural Product Research and Infection Biology, Hans Knöll Institute Jena, Germany, is seeking one PhD candidate in the domain of genomics and/or metabolic modelling to develop novel therapeutic treatments for human diseases. SBI is active participant of several national and international collaborative efforts to tackle infectious diseases. The successful candidate is expected to lead bioinformatics projects and develop bioinformatics pipelines for understanding infectious processes by pathogens. The successful candidate is expected to interact closely with wet-lab scientists for discovering new molecular mechanisms of pathogens.

Your profile: A strong interest in conducting collaborative research on the topic outlined above is paramount. Candidates are expected to be interested in working at the boundaries of several research domains.

- MSc degree in Systems Biology, Computational Biology, Bioinformatics, Biophysics, Computer Science or a related discipline.
- Knowledge and experience in the analysis of biological high-throughput data.
- Knowledge in statistical methods in the context of biological systems.
- Experience with programming (Python, Perl, C++, R).
- Well-developed collaborative skills.

We offer: The successful candidate will be hosted at the Systems Biology & Bioinformatics (SBI) group of Leibniz Institute for Natural Product Research and Infection Biology, Hans Knöll Institute. We offer an international and multi-disciplinary environment with the required qualifications and a strong expertise in the proposed research field. Currently the group consists of ~15 members at different levels of seniority; post-doctoral scientists, PhD students, master students, scientific co-workers. More information for the research output of the group in the field of systems biology can be found here:

<http://www.leibniz-hki.de/en/systembiologie-und-bioinformatik.html>

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

For further information

Please contact Dr. Gianni Panagiotou | +49 3641 532 1759 | career@leibniz-hki.de

Applications

Complete applications in English should include a letter of interest, curriculum vitae, a complete list of publications, brief statement of research experiences, a list of three potential references, full academic record (copies of degree certificates), and should be submitted by via the [online application system](#).