




## Doctoral Researcher (f/div/m) in Bioinformatics

 [Leibniz-Institut für Naturstoff-Forschung und Infektionsbiologie](#)

 Jena

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

### Activities and responsibilities

The Research Group **Systems Biology and Bioinformatics** invites talented and highly gifted candidates to apply for a

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

The Systems Biology & Bioinformatics (SBI) group of the Leibniz-HKI in 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.

### Qualification profile

**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

### Benefits


**We offer:** The successful candidate will be hosted at the Systems Biology & Bioinformatics (SBI) group of the Leibniz-HKI. We offer an international and multi-disciplinary environment with a strong expertise in its research field and collaborations with leading laboratories in Europe, the US and Asia. Currently the group consists of ~15 members at different levels of seniority: post-doctoral scientists, PhD students, master students, scientific co-workers. More information on the research profile of the group can be found [here](#).

### Send application to

#### Further information

Please contact Assoc. Prof. Dr. Gianni Panagiotou | +49 3641 532 1759 | [career@leibniz-hki.de](mailto:career@leibniz-hki.de)

 Teilzeit, Befristete Anstellung

 Promotionsstelle

 Aktualisiert am 05.06.2019