



**Leibniz Institute**

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



The Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute – ([www.leibniz-hki.de](http://www.leibniz-hki.de)) investigates the biology of fungal pathogens and identifies targets for novel natural product-based antibiotics. The **Department of Microbial Pathogenicity Mechanisms** invites applications for

## 2 Doctoral Researcher Positions (f/m/d)

in the fields of Microbiology, Infection Biology, Cellular Microbiology.

*One project will be part of the **European Innovative Training Network (ITN)** “Deciphering the fungus-host-microbiota interplay to improve the management of fungal infections – FunHoMic” within the Horizon2020 Marie Skłodowska-Curie Actions (start 2019). The other project will be co-financed by the Deutsche Forschungsgemeinschaft (DFG) and related to the **CRC/TR 124 – FungiNet** (see project C1 at [www.funginet.de](http://www.funginet.de)).*

Fungi infect billions of people annually and kill as many as tuberculosis or malaria. *Candida albicans* is a major opportunistic fungal pathogen and frequently causes superficial or even fatal infections, although most humans are asymptotically colonised as part of their commensal microbiota. We are a leading research group in the investigation of *Candida spp.* pathogenicity mechanisms, including their interaction with immune cells, nutrient acquisition strategies, evolution and the mechanisms involved in the commensal-to-pathogen shift and host damage. We use sophisticated *in vitro* and *ex vivo* model systems to investigate these aspects of *C. albicans* pathobiology.

The successful candidates will be hosted at the **Department of Microbial Pathogenicity Mechanisms** at the Leibniz-HKI ([www.leibniz-hki.de/en/mpm](http://www.leibniz-hki.de/en/mpm)). The HKI is part of the Beutenberg Campus scientific environment with its highly integrated state-of-art research. We offer a multifaceted scientific project with excellent technical facilities, a young, committed team, as well as strong scientific collaborations and extensive training programmes.

Please find detailed information on the job advertisements and the application procedure on our website <https://jobs.hki-jena.de/jobs/job-offers>.

For further information please contact Prof. Bernhard Hube, +49 3641 532 1401, [career@leibniz-hki.de](mailto:career@leibniz-hki.de).