
Job Advertisement HKI-18/2019

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 **Microbial Pathogenicity Mechanisms** invites talented and highly gifted candidates to apply for

student assistant (f/div/m)

Topic: **Pathogenicity mechanisms of human pathogenic yeasts**

Human pathogenic fungi frequently cause infections of skin and mucosae, however they are also capable of causing life threatening mycoses. The Department of **Microbial Pathogenicity Mechanisms** (MPM, www.leibniz-hki.de/mpm) at the Hans Knoell Institute (HKI) investigates the mechanisms underlying these fungal infections. Research is focused on the pathogenesis of mycoses due to the yeasts *Candida albicans* and *C. glabrata*. In contrast to most other human pathogenic fungi, these *Candida* species are part of the normal human microbial flora. However, if natural barriers are breached or if the immune system is weakened, *Candida* cells can overgrow the microbial flora and may enter deeper tissue layers, the blood system and internal organs.

We aim to find and characterise the pathogenicity factors of these fungi and the *Candida*-specific host responses. To this end, we apply methods of cellular and molecular biology, immunology, infection biology, microbiology, and biochemistry.

We offer two HiWi positions for project-related work combined with general lab work.

Applicants should be interested in microbial infection biology, practical lab experience as well as theoretical knowledge in microbiology, molecular biology and/or biochemistry (preferably late Bachelor or early Master stage students of Biology, Biochemistry, Microbiology or Molecular Medicine). We also expect excellent abilities to work in an international team. The work will be done in a very well equipped S2 laboratory. Text

For further information

Please contact Prof. Bernhard Hube | +49 3641 532 1400 | career@leibniz-hki.de

Applications

As an equal opportunity employer the HKI is committed to increase the percentage of female scientists and therefore especially encourages them to apply.

Please apply by sending your application with CV and certificate of study/transcript of records via the [online application](#) system.