

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. The junior research group **Adaptive Pathogenicity Strategies** invites talented and highly gifted students to apply for a position as

## Student assistant (f/div/m)

### Topic: host-pathogen interactions of human pathogenic yeasts

#### Research Area:

Human pathogenic fungi frequently cause infections of skin and mucosae, however they are also capable of causing life threatening mycoses. The Junior Research Group **Adaptive Pathogenicity Strategies** at the Hans Knöll Institute (HKI), investigates host-pathogen interactions during infections caused by human pathogenic fungi. Research is focused on the pathogenicity mechanisms of 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 the natural barrier of the host is breached, or if the immune system is compromised, *Candida* cells can cause infections. In these cases, the fungus can overgrow the microbial flora and may enter deeper tissue layers, the blood system and internal organs.

#### We offer:

A student assistant position for project-related work combined with general lab work. Applicants should be interested in microbial infection biology, molecular 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 on an hourly basis in a very well-equipped S2 laboratory. Initially we assume an hourly volume of 12h per week for 8 weeks.

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

#### Further information:

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#### Applications:

Please apply by sending your application with CV, motivation, and certificate of study/transcript of records, via the Leibniz-HKI **online application** system. The deadline for applications is **October 15, 2022**, but applications will be reviewed on a rolling basis.