

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. Talented and highly qualified candidates are invited to apply for a position in the Department **Bio Pilot Plant** as a

## Scientific or technical assistant (f/div/m) in Synthetic Biology or Biotechnology

for one year initially.

**Research Areas:** Molecular Biology, Biochemistry, Biotechnology, *Dictyostelium discoideum*

This project is part of a Federal Ministry for Education and Research (BMBF) funded research project which aims to develop the social amoeba *Dictyostelium discoideum* into a production platform for secondary metabolites of pharmaceutical importance.

### The field of study:

The successful candidate will assist in the construction of multi-gene expression plasmids and the establishment of CRISPR/Cas tools for strain engineering of the social amoeba *Dictyostelium discoideum* and will help to develop methods to measure and enhance the production of heterologous secondary metabolites.

The main topics of the project may include:

- Metabolic engineering of *D. discoideum* to enhance the production of biochemical precursors for polyketide production
- High-throughput cultivations, automated screening and processing of production strains of *D. discoideum*

### Required Qualifications:

- A bachelor or master degree in molecular biology, biochemistry, microbiology, biotechnology or related discipline. Candidates about to obtain their degree are welcome to apply.
- A basic experimental background in molecular cloning and microbiology.
- The candidate should be highly interested in applied, translational research and able to work in an international, interdisciplinary research team.

# Job Advertisement

## Leibniz-HKI-41/2022



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

### We offer:

The successful candidate will be part of the ProDICAN research project led by **Prof. Dr. Falk Hillmann**. The aim of the group is to conduct innovative, cutting-edge research on amoebae as a new host organism for the production of plant-derived natural products. The Leibniz-HKI is embedded in the outstanding scientific environment of the Beutenberg Campus providing state-of-the-art research facilities and a highly integrative network of life science groups. We offer a multifaceted scientific project with excellent technical facilities, a place in a dynamic, committed team, as well as strong scientific collaborations.

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

### Further information:

Prof. Dr. Falk Hillmann | +49 3641 532 1445 | [career@leibniz-hki.de](mailto:career@leibniz-hki.de)

Dr. Johann E. Kufs | +49 3641 532 1732 | [career@leibniz-hki.de](mailto:career@leibniz-hki.de)

### Applications:

Complete applications in German or English should include a cover letter, a CV, a brief statement of research experiences, and should be submitted via the Leibniz-HKI **online application system**. The deadline for the advertisement is **October 15, 2022**, but applications will be reviewed on a rolling basis.