

## Doctoral Researcher (m/f/div) in Automated Processing of Bioimages

### Description

#### Job Advertisement

Leibniz-HKI-16/2024

The **Leibniz Institute for Natural Product Research and Infection Biology** (Leibniz-HKI) investigates the pathobiology of human-pathogenic fungi and identifies targets for the development of novel natural product-based antibiotics. The research group of [Applied Systems Biology](#) invites talented and highly gifted candidates to apply as

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for three years initially with the prospect of prolongation.

**Research areas:** automated image processing, machine learning, artificial intelligence, etc.

In the research group [Applied Systems Biology](#) a position for a postdoctoral researcher becomes available. The position is associated with aspects of the **Image-based Systems Biology** approach. This modern computational approach comprises the automated analysis of microscopy and/or spectroscopy data based on state-of-the-art methods from machine learning as well as the computer simulation of mathematical models using advanced modeling approaches. We are seeking highly motivated candidates that are interested to work on image processing in experiment-driven interdisciplinary studies.

#### Candidate's profile:

- Master's degree in computer science, bioinformatics, physics, or a related discipline
- Strong interest in biological systems and an educational background in biology is preferred
- Experience in automated analysis of image data
- Very good programming skills
- Ability to perform team-oriented as well as independent work
- Good communication skills in English are a must

#### We offer:

The successful candidate will be hosted in the research group [Applied Systems Biology](#) of [Prof. Dr. Marc Thilo Figge](#). 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).

#### Hiring organization

Candidate-1st

#### Employment Type

Full-time

#### Beginning of employment

asap

#### Job Location

Jena

#### Working Hours

40

#### Base Salary

euro EUR 54K - 77K

#### Date posted

June 1, 2024

**Further information:**

[Prof. Dr. Marc Thilo Figge](#) | +49 3641 532-1416 | [career@leibniz-hki.de](mailto:career@leibniz-hki.de)

**Applications:**

Leibniz-HKI is proud to be an equal opportunity employer and promote diversity and inclusion in the workplace. It aims to increase the proportion of underrepresented groups in case of equal suitability. All qualified persons, regardless of race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability, veteran status, or other classification protected by law will receive consideration for employment.

Complete applications in English should include a cover letter, a CV containing a complete list of publications, a brief statement of research experiences and the addresses of two possible referees and should be submitted via the [Leibniz-HKI online application system](#). The deadline for the advertisement is **July 15, 2024**, but applications will be reviewed on a rolling basis.

Leibniz Institute for Natural Product Research and Infection Biology  
Adolf-Reichwein-Straße 23 | 07745 Jena

**How the process will look like**

Your teammates will gather all requirements within our organization. Then, once priority has been discussed, you will decide as a team on the best solutions and architecture to meet these needs. In continuous increments and continuous communication between the team and stakeholders, you're part of making data play an even more important (and understood) part withing Brand New Day.

**Job Benefits**

EUR 54K – 77K