

## Job Advertisement No. 18/2017

The **Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute –** (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 antibiotics. The **Transfer Group Anti-infectives** encourages talented and highly gifted candidates to apply for a

# PhD Position: Target Identification

starting on 1<sup>st</sup> of April 2018 for three years initially.

The successful candidate will work within a research project on the identification of a metabolic target of a novel small molecule antibiotic. The project is funded by the Free State of Thuringia.

**Main topics** of the project will include:

- Blood cell separation
- Method optimization of target crosslinking (cell lysates & living cells)
- Bioorthogonal labelling (click chemistry)
- Identification of target proteins by MALDI and other MS-based techniques
- Purification of proteins and protein conjugates
- Enzyme characterization (kinetics and thermodynamics)
- HPLC/MS turnover monitoring

**Our requirements:** You hold a Master (MSc) or diploma in Biochemistry, Biotechnology or Chemical Biology with a focus on enzymology or molecular cell targets (bacterial, fungal or mammalian). Basic experience in target fishing would be highly appreciated. You are ready to handle biological samples from animals and human individuals. We would like to welcome a highly motivated colleague with the ability to work on an interdisciplinary and translational project.

**We offer** a highly translational project with a promising career perspective. Highest standard laboratories with state-of-the-art instrumentation and the collaborative and constructive atmosphere at the HKI provide ideal conditions for the success of your project. The well-established network of scientists, clinicians and subcontractors within our translational development programs offers most efficient exchange and an excellent environment to solve interdisciplinary problems. As a doctoral researcher you will be integrated into the structured training of our graduate schools and benefit from the extensive qualification program of the Graduate Academy of the Friedrich Schiller University..

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

For further Information please contact Dr. Florian Kloß ([florian.kloss@leibniz-hki.de](mailto:florian.kloss@leibniz-hki.de), +49 3641 532 1356).

Complete applications in English or German should include a motivation letter, curriculum vitae, a brief statement of first research experiences, the address of at least one potential referee, full academic record (copies of certificates), and should be submitted by **January 5, 2018** via the **online application system** of the HKI.

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