

Job Advertisement No. 20/2017

The **Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute –** (HKI, 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

Postdoc Position: Molecular Probes

starting on 1st 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:

- Synthesis of small molecule antibiotic analogues
- Utilization of click chemistry and crosslinking methods in complex mixtures (cell lysates & living cells)
- Introduction of clickable handles, reactive moieties and affinity tags
- Development of novel bioconjugation methods
- Purification of proteins and probe-target conjugates
- Identification of target proteins by MALDI and other MS-based techniques
- Development of novel enzymatic assays

Our requirements: You hold a PhD in organic or natural product chemistry or biochemistry and have profound expertise in synthesis, particularly “click chemistry”. Experience in the purification and characterization of proteins is required as well as demonstrated expertise in target fishing. You are ready to handle biological samples from animals and human individuals. We would like to welcome a highly motivated co-worker with excellent communication skills and 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 Postdoc you will 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, +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 three potential referees, full academic record (copies of certificates), and should be submitted by **January 5, 2018** via the **online application system** of the HKI.
