

Job Advertisement No. 25/2017

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 Department **Infection Biology** encourages talented and highly gifted candidates to apply for a

Post-Doctoral Researcher (m/f) Infection Biology

for two years initially.

The successful candidates will investigate the field Complement Genetics in Renal Diseases.

Main topics of the project are:

- Identification of Genetic Mutations of Complement Genes in Renal Diseases, e.g. C3 Glomerulopathy and Hemolytic Uremic Syndrome
- Functional characterization of FHR2 and FHR5 proteins
- Evaluation of FHR proteins as diagnostic markers

For further details please see literature below.

Our requirements: We expect a doctoral degree in biology, genetics or life sciences. Experience, knowledge and good experimental skills in molecular and cell biology, genetics and biochemistry are of advantage.

We offer: The successful candidate will be hosted in the department Infection Biology (Prof. Zipfel; Prof. Skerka). The HKI is embedded in the outstanding scientific environment of the Beutenberg Campus providing state-of-art research facilities and a highly integrative network of life science groups. We offer a multifaceted scientific project supported by excellent technical facilities, a place in an international, committed team, as well as strong scientific collaborations. 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:

Prof. Dr. Peter Zipfel | +49 3641 532 1300 | career@leibniz-hki.de

Prof. Dr. Christine Skerka | +49 3641 532 1164 | career@leibniz-hki.de

Applications:

Complete applications in English should include a motivation letter, curriculum vitae, a brief statement of first research experiences, the address of at least two possible referees, full academic record (copies of certificates), and should be submitted by **January 15, 2018** via the **online application system** of the HKI.

Literature:

Chen Q, Manzke M, Hartmann A, Büttner M, Amann K, Pauly D, Wiesener M, Skerka C, Zipfel PF (2017) CFHR5-Hybrid Proteins Anchor Properdin and Activate Complement at Self-Surfaces. *J Am Soc Nephrol*, 27, 1413-1425.

Chen Q, Wiesener M, Eberhardt HU, Hartmann A, Uzonyi B, Kirschfink M, Amann K, Büttner M, Goodship T, Hugo C, Skerka C, Zipfel PF (2014) Complement factor H related hybrid protein deregulates complement in dense deposit disease. *J Clin Invest* 124, 145-155.

Zipfel PF, Skerka C (2009) Complement regulators and inhibitory proteins. *Nat Rev Immunol* 9, 729-740.

