

Job Advertisement No. 29/2018

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 natural product-based antibiotics. The independent research group **Chemical Biology of Microbe-Host Interactions** invites applications for a

Post-doctoral Researcher (m/f) Bacterial Colonization

The position is available from February 1, 2019 or soon after for two years initially.

Project title: Analysis of the bacterial colonization process of marine invertebrates.

Proposed Project Workflow:

- (1) Analysis of the bacterial colonization process during different developmental stages of a marine invertebrate based on 16S rRNA gene sequencing and/or metagenome studies
- (2) Monitoring microbial composition during infection processes and determination of the stability of the core microbiome
- (3) Visualization of symbiotic microbes using in-situ hybridization and/or other microscopic techniques

Our requirements: A strong interest in conducting collaborative research on the topic outlined above is paramount. Candidates are expected to be interested in working at the boundaries of several research domains.

- Very good theoretical and practical skills in bioinformatics and microbiology
- The candidate should embrace working in a young international research team and conducting research that covers multiple biological disciplines
- A PhD degree in Life Sciences, and/or Computational Biology, Bioinformatics. Candidates about to obtain their degree are welcome to apply!
- An integrative and cooperative personality with enthusiasm for actively participating in a lively community of the HKI, the JSMC (www.jsmc.uni-jena.de) and ILRS (www.ilrs.de) community
- Very good communication and writing skills (English)

We offer an international and multi-disciplinary environment. Currently the group consists of ~10 members at different levels of seniority; post-doctoral scientists, PhD students, master students.

More information for the research output of the group can be found [here](#).

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.

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Complete applications in English should include a CV, certificates, transcripts, a brief statement of research experiences and interests and the contact details of two possible referees, and should be submitted via the **online application system** of the HKI. Final Deadline: **January 20, 2019**; but applications will be reviewed on a rolling basis.

