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## Job Advertisement No. 18/2018

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

# Post-doctoral Researcher (m/f)

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

### Project title:

Microbial profiling of a marine invertebrate and genome mining of symbiotic bacteria

### Project Outline:

- (1) Analysis of bacterial colonization during different developmental stages of a marine invertebrate using e.g. FISH;
- (2) Microbial profiling/metagenomic analysis of healthy vs. infected animals and young and adults to determine the stability of core microbiome and analysis of potential vertical transmission of (endo)symbionts;
- (3) Comparative genome mining of bacterial symbionts for natural product related secondary metabolite related biosynthetic gene clusters

**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](http://www.jsmc.uni-jena.de)) and ILRS ([www.ilrs.de](http://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](#).

For further information please contact: [Dr. Christine Beemelmans \(career@leibniz-hki.de\)](mailto:career@leibniz-hki.de)

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: **December 15, 2018**; but applications will be reviewed on a rolling basis.