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## Job Advertisement HKI-13/2020

The **Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute** (Leibniz-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 **Junior Research Group Chemical Biology of Microbe-Host Interactions** invites talented and highly gifted candidates to apply as

# Master student (f/div/m) Biochemical Characterization

starting from June 2020.

**The field of work includes** the characterization of bacterial metabolites that induce morphogenesis in marine invertebrates. Key methods include HPLC-based purification of metabolites, marine bioassays, and biochemical characterization of enzymes. In collaboration within the group, physiological studies, metabolomics and proteomics experiments, as well as structural studies will be performed.

This Master thesis project is part of the recently awarded ERC Starting Grant “MORPHEUS” to Dr. Christine Beemelmans, which interlinks chemistry and microbiology to understand the chemical signals that influence and dictate eukaryotic development in the marine environment.

### Our requirements:

We expect highly motivated students in Life Sciences (e.g. Biochemistry, Chemistry, and Microbiology) with strong background either biochemistry or analytical chemistry. Experience in microbiology and microbial physiology is advantageous. Applicants should have very good communication skills in English and a high motivation to perform team-oriented as well as independent work.

### We offer:

The successful candidate will be hosted in the independent Junior Research Group “Chemical Biology of Microbe-Host Interactions” headed by Dr. Christine Beemelmans. The group conducts innovative cutting-edge research by combining state-of-the-art natural product chemistry with ecologically important research questions.

The candidates will work in a dynamic and highly motivated group. Within the group, the student will experience a strong support based on lively collaborations and friendly interactions between the interdisciplinary scientists and they will have access to state-of-art equipment. In addition, the applicants will have all possibilities to realize own innovative ideas and develop own project directions.

The Leibniz-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 a young, committed team, as well as strong scientific collaborations

### Further information:

Dr. Christine Beemelmans | +49 3641 532 1525 | [career@leibniz-hki.de](mailto:career@leibniz-hki.de)

### Applications:

Complete applications in English should include a CV, a complete list of publications, a brief statement of research experiences, the addresses of two possible referees, and should be submitted **by May 31, 2020** via the Leibniz-HKI **online application system**.