

5th July 2021

The Center for Innovation Competence (ZIK) SEPTOMICS in Jena (www.septomics.de) is a cross-faculty research center, commonly supported by the Friedrich-Schiller-University Jena, the University Hospital Jena and the Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute. The ZIK Septomics is a central partner in infection and sepsis research in Jena and combines applied basic research and clinical research under one roof. The research focuses on the systems biology of systemic infections with the aim of developing new diagnostic and therapeutic approaches. The **Junior Research Group Host Fungal Interfaces** offers a position for a

Project-related Student Assistant (HiWi)

starting from now on until 31.12.2021.

The Junior Research Group Host Fungal Interfaces performs state of the art research to investigate the pathogenesis of *C. albicans*, the most common organism associated with fungal sepsis. *C. albicans* is under most circumstances a fairly ubiquitous commensal of the human microflora. In certain cases the fungus can become pathogenic. The aim is to identify factors and conditions that foster the transition from a harmless colonizer to an aggressive pathogen. With this regard the research group focuses on the formation of biofilms that are highly resistant to antibiotic treatment and lead to a large variety of systemic infections.

In project-related work, you will support our studies about **the role of host proteins on the formation of biofilms on central venous catheters**. Applicants interested in microbial infection biology with good theoretical and practical knowledge in microbiology are preferred (late Bachelor or Master stage students of Biology, Biochemistry, Microbiology or Molecular Medicine). We expect an integrative and cooperative personality willing to work independently as well as in a team. The work will be done in a very well equipped S2 laboratory.

For further information please contact:

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Please apply by sending your application with CV and certificate of study/transcript of records to: septomics@leibniz-hki.de