The group of Jun. Prof. Dr. Franziska Faber at the Institute of Molecular Infection Biology, University of Würzburg is offering a

PhD Student position
(f/m/d)

We are looking for:

Highly motivated candidates with a strong background in microbiology, infection biology, bioinformatics, immunology, cell biology or related fields. Candidates for the PhD positions are expected to hold a master’s degree (or equivalent) in a relevant subject and have excellent English skills in word and writing.

Our group is located at the Institute of Molecular Infection Biology (Jun. Prof. Dr. Franziska Faber) and associated with the Helmholtz Institute for RNA-based Infection Research (HIRI), which are both in Würzburg, Germany. For further information on our research, please see our websites: https://www.helmholtz-hiri.de/en/research/ or http://www.imib-wuerzburg.de/research/faber/research/

The project:

The project is funded through the Collaborative Research Centre "DECisions in Infectious DisEases" which investigates key decisions that determine the outcome and severity of infections. These decisions are defined by a complex interplay of the pathogen with host barrier tissues and their commensal microbiota as well as local and systemic immune responses. We apply cutting-edge technologies (single-cell RNA-seq, complex human tissue and animal models) to investigate key decision in a broad range of highly relevant infections with human pathogens (viruses, bacteria, fungi). For further information on our specific project (A04) and the CRC as a whole, see https://www.crc-decide.de/.

The selected PhD student will characterize post-antibiotic epithelial responses to C. difficile toxins, and how these responses are modulated by the microbiota, using Bacteroides thetaiotaomicron as a representative mucus-associated gut commensal. The project will be a tandem project with the lab of Alexander Westermann (https://www.helmholtz-hiri.de/en/research/) who studies Bacteroides thetaiotaomicron.

We offer:

Cutting-edge expertise in all disciplines contributing to DECIDE, single-cell RNA-seq, advanced human and animal tissue model, enhanced through the support of core facilities in sequencing, bioinformatics, mass spectrometry and microscopy. Ph.D. students and postdoctoral researchers will be members of the Integrated Research and Training Group of the CRC (IRTG DECIDE), a structured graduate and post-graduate program including a state-of-the-art training program. Salaries are based on the German academic standards (TV-L).
How to apply:

We welcome applications from all sections of the community regardless of race, gender, or disability. The University aims to increase the proportion of female employees. Thus, applications from qualified women are particularly welcome. Preference will be given to severely handicapped persons in case of otherwise equal aptitude. Salary is based on the pay scale for the public sector (TV-L).

Please send your application (Subject: PhD Student position – Faber lab) including a short letter of motivation, CV, publication list, copies of relevant documents and contact information of two academic references as a single PDF-file until July 31th, 2023 via email to franziska.faber@uni-wuerzburg.de.

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