

PhD position “mBiomR; Unravelling the Mechanisms and Dynamics Underlying the Response of Intestinal Bacteria from the ESKAPE group to Antimicrobial Treatment”

A PhD position for four years (100%) is available at the Research Laboratory of the Division of Infectious Diseases and Hospital Epidemiology, based in the laboratories of the Medical Research Centre of Kantonsspital St.Gallen, in St.Gallen, Switzerland.

Our project investigates the distribution dynamics of Gram-negative pathogens and *Enterococcus faecium* belonging to the “ESKAPE” group in the gut, their adaptation and the resistance mechanisms, in response to antimicrobial exposure. In addition, we will examine the gut microbiome recovery after completion of antibiotic treatment and the influence of the hospital environment on human gut composition. This project is a large-scale metagenomics, multi-assay study in collaboration with von Mering Group at the University of Zurich.

We are looking for a highly motivated person that is both eager to work independently and to actively contribute to an interactive and supportive team and therein to a positive lab environment. The candidates are expected to have a strong background and interest in microbiology and preferably in antimicrobial resistance of Gram-negative pathogens, excellent teamwork and communication skills in English.

The PhD salary will be according to Swiss National Science Foundation standards. The courses for the PhD studies will take place at the University in Bern. The candidate will have to be flexible to travel to Bern for course attendance.

Please send an application letter (outlining your motivation and what your skills will add to this project), CV and contact information of two references. We accept only online applications. Applications are welcome until January 15th, 2023.

For any inquiries regarding the position, please contact PD Dr. med. Baharak Babouee Flury (baharak.baboueeflury@kssg.ch).