The Research Training Group (RTG 2157), started in April 2016, integrates the long-standing expertise in infectious diseases at the University of Würzburg and new technologies into an exciting new focus on 3D human tissue models. Within this program, scientists from the Biocenter of the University of Würzburg, the Research Center for Infectious Diseases, and the Chair of Tissue Engineering and Regenerative Medicine of the University Hospital and Fraunhofer ISC, Unit Würzburg, take a novel route to investigate microbial infections under close-to-natural conditions.

Together we invite young scientists of exceptional talent to apply for

**a fully funded Ph.D. student position of the Research Training Group "3D Tissue Models for Studying Microbial Infections by Human Pathogens" (RTG 2157)**

starting from February 2022. Remuneration will be based on the Tarifvertrag für den öffentlichen Dienst der Länder (Collective Agreement for the Public Service of German Federal States, TV-L). The position will be funded for a minimum of 12 months (65%). An extension is planned.

The RTG 2157 offers a unique opportunity within a collaborative framework of experts to establish and exploit human infection models for the in-depth investigation of mechanisms underlying host-human pathogen interactions. In particular, the interdisciplinary synergistic cooperation between engineers with life and medical scientists in the RTG 2157, which is the basis of this highly innovative research program, will pave the way for the successful use of the new models for studying infections by major human pathogens, e.g. SARS-CoV-2.

The training group offers an excellent infrastructure for training and research by internationally recognized scientists with state-of-the-art technologies. The program is complemented by seminars, courses, hands-on workshops, writing and presentation training as well as practical career development opportunities.

We offer a widely visible international research environment, an interdisciplinary and structured Ph.D. program and intensive support for international students. We are seeking highly qualified PhD students holding a M.Sc. or equivalent scientific degree with a background in one or several of the following fields: Virology/Microbiology, Cell/Molecular Biology, Biochemistry, Genetics. Experience with BSL3 pathogens would be welcome.

The University of Würzburg is an equal opportunity employer. As such, we explicitly encourage applications from qualified women. Severely handicapped applicants will be given preferential consideration when equally qualified.

Please mail or email your CV with the names of three references, study certificates and a motivation letter to meike.scheuring@uni-wuerzburg.de or:

Meike Scheuring, GRK 2157, Lehrstuhl für Mikrobiologie, Am Hubland, 97070 Würzburg.

The closing date for applications is November 28th, 2021.

Please do not send any original documents to us; only send photocopies. As we need to save costs, we will not be able to return your documents to you. They will be shredded shortly after a hiring decision has been made. If you enclose a postage-paid return envelope, we will return your application documents to you three months after a hiring decision has been made.