

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 2021. Payment is based on the German TV-L scale (65 % or 26.06 hours per week). The position will be funded for a minimum of 15 month. 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

- Widely visible international research environment
- Interdisciplinary and structured Ph.D. program
- Intensive support

We are seeking highly qualified students holding a M.Sc. or equivalent 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 opportunities employer. Applications of women are thus especially encouraged; applications of disabled persons will be given preferential treatment to those of other candidates with equal qualifications.

To obtain further information about the program and the integrated projects, please visit our website ([www.uni-wuerzburg.de/grk2157](http://www.uni-wuerzburg.de/grk2157)). To apply, please send your CV with the names of three references, study certificates and a motivation letter (preferably via Email) to the GRK coordinator [meike.scheuring@uni-wuerzburg.de](mailto:meike.scheuring@uni-wuerzburg.de).