



As part of the graduate school of the Collaborative Research Centre (CRC) 1648 “*Emerging Viruses: Pathogenesis, Structure, Immunity*” we are offering several scholarships for an

Experimental medical doctoral thesis in infection research.

Emerging viral infections are one of the greatest threats to global health. They are defined as viral diseases that have emerged in a population for the first time, or that have existed locally but are rapidly spreading to new geographic areas and populations. The newly established CRC 1648 aims to achieve a deep understanding of virus-host interactions, structure, pathophysiology and immunity to specific emerging viral infections. This will allow for the strategic development of broadly applicable and generalizable preventive or therapeutic strategies targeting both the virus and the host, using the joint international expertise of the consortium members coupled with the availability of critical, cutting-edge methods and infrastructures.

CRC 1648 brings together a multidisciplinary team of basic research investigators and clinician scientists from leading research institutions in northern Germany: University Medical Center Hamburg-Eppendorf (UKE), Universität Hamburg, Leibniz Institute of Virology (LIV), Bernhard Nocht Institute for Tropical Medicine (BNITM), Friedrich-Loeffler-Institut (FLI), Centre for Structural Systems Biology (CSSB) and the Universitätsspital Basel, Switzerland.

All PhD and MD students will be enrolled in the integrated Research Training Group (iRTG). The aim of the iRTG is to train future leaders for the global fight against potential pandemics. This goal is achieved through an innovative and comprehensive multidisciplinary graduate program. Leading scientists in molecular and structural virology, epidemiology and computational modeling, bioinformatics and machine learning, viral immunology, vaccine research, investigation of virus-mediated pathomechanisms, statistics, and epidemic preparedness, will train the iRTG students.

More details about the CRC are available here: www.uke.de/crc1648



We are looking forward to applications from individuals with:

- A high motivation and a strong interest in the combination of structural biology, immunology and virology
- Conscientiousness, a structured working approach and a strong work ethic
- Commitment, team spirit and good communication skills, independence and flexibility
- Very good spoken and written English
- Laboratory experience would be desirable

Start: flexible by arrangement. The work requires two semesters off/one research year. A scholarship will be paid for this period.

We look forward to receiving your application with CV and short letter of motivation to crc1648@uke.de