

Master thesis (m/f/d)

Systems Arbovirology

The **Leibniz Institute of Virology (LIV)**, is committed to research on the biology of different human viruses as well as the pathogenesis of viral diseases. The Institute offers the opportunity to perform cutting-edge research in a world-class research environment with excellent technical facilities.

The research group **Systems Arbovirology** (Head: **Dr. Pietro Scaturro**) focuses on the identification and characterization of viral and cellular determinants underlying diseases induced by different arboviruses (e.g. DENV, ZIKV, WNV, CHIKV). To do so, we use a range of methods including cellular model systems, primary cell work and modern bottom-up mass spectrometry (MS) profiling.

We are looking for a highly motivated and team-oriented **master student (m/f/d)** in Molecular Life Sciences, Molecular Biology or a related field with interest in arboviruses to pursue a master thesis in our research group. The project will focus on in-depth characterization of recently identified vertebrates and invertebrates host proteins for their relevance in alpha- and flavivirus replication. Methods include but are not limited to: molecular cloning, cell culture, qRT PCR assays, co-IP-WB, imaging and RNAi experiments.

We expect at least 10 months of laboratory research time fully dedicated to the project. Previous experience in the aforementioned laboratory techniques is beneficial. Good knowledge of the English language (oral and written) is mandatory. The position is to be filled as soon as possible.

We offer intellectual and practical supervision by a postdoctoral research fellow and a PhD student, independent conduction of the experiments of the research project, and introduction into state-of-the-art technologies in cell biology, biochemistry and virology.

Applications should include a motivating cover letter, indicating earliest possible starting date, a CV, a short description of previous experiences and technical skills, and two references. Please submit your application as **single pdf** to Dr. Pietro Scaturro directly (pietro.scaturro@leibniz-liv.de)

The LIV promotes the professional equality between all genders. Handicapped applicants with equal qualifications will be given preferential treatment.