

## PhD Student (f/m/d)

Graduate School “*Infection*” of the Leibniz Center Infection

### **Project title: “Global profiling of arbovirus susceptibility factors in mosquitoes”**

The Leibniz Center Infection (LCI) is a strategic alliance of the North German Leibniz Institutes Bernhard Nocht Institute for Tropical Medicine (BNITM), Research Center Borstel – Leibniz Lung Center (FZB) and Heinrich Pette Institute, Leibniz Institute for Experimental Virology (HPI). The LCI focuses on global infections and links the complementary research of the three Leibniz institutes: tropical and emerging infections at BNITM, bacterial infections of the lung at FZB and viral diseases at HPI (<https://www.lci-infection.de/en/>). The alliance provides a three-year structured graduate program on “*Infection*”.

The HPI focuses on human pathogenic viruses with the aim of understanding viral diseases and developing novel therapeutic approaches ([www.hpi-hamburg.de](http://www.hpi-hamburg.de)). The HPI offers one doctoral position in collaboration with Prof. Jonas Schmidt-Chanasit (BNITM):

#### **“Global profiling of arbovirus susceptibility factors in mosquitoes”;**

Main Supervisor: Dr. Pietro Scaturro (HPI Research Group “Systems Arbovirology”).

#### *Description of the project:*

In recent years the number of insect-borne virus infections has increased dramatically. However, our understanding of the interaction between arboviruses and their mosquito vector remains rudimentary. We are looking for a highly motivated PhD student with eagerness to learn, work in a team and make fundamental discoveries in the field of arbovirus-invertebrates interactions. Applicants should hold a MSc degree (or equivalent) with a focus on cell biology, virology or related disciplines. Prior experience in virology, mass-spectrometry or mosquito biology would be a plus. The candidate will have the opportunity to learn state-of-the-art proteomics approaches and *in vivo* experimentation with mosquitoes to identify and characterize new critical host- pathogen interactions in insect cells. The project will be carried in the research groups Systems Arbovirology at the HPI and the Department of Arbovirology at the BNITM.

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

Starting date will be summer 2021 or later. Salary will be according to German TV-AVH (salary agreement for public service employees). The application should include a letter of motivation, CV, two letters of recommendation and a summary of the master/diploma thesis. Documents should be sent by June 15, 2021 exclusively by email as single pdf-file (not exceeding 5 MB). Late applications may be considered until the position is filled.

For project related questions, please contact: [pietro.scaturro@leibniz-hpi.de](mailto:pietro.scaturro@leibniz-hpi.de).

We look forward to receiving your complete and informative application documents, preferably by e-mail (or post to):

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