

PhD Student

Virus-Immunology

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

We are looking for highly motivated candidates with a diploma/master degree (or equivalent). Experience in immunology, stem cell biology and/or multiparameter flow cytometry would be welcome.

In 2017 1.8 million new HIV-1 infections occurred, and 940,000 individuals died of HIV-1/AIDS. In particular, young women in sub-Saharan Africa are at high risk of acquiring HIV-1. As these women are of childbearing age, approximately 1.5 million children are annually born to HIV-1-infected women. The recent global roll-out of antiretroviral treatment (ART) has resulted in a significant reduction in mortality and morbidity resulting from HIV-1 infection, and also a rapid decrease of mother-to-child transmission of HIV-1. However, morbidity and mortality in the HIV-1- infected and exposed populations remain higher. The specific mechanisms by which differences in viral and host factors lead to differential HIV-1 disease outcomes remain unknown. Recent studies have shown that metabolic processes have an important role in shaping antiviral responses, both of the virus-infected cells themselves and of antiviral immune effector cells. For the recently funded DFG German-African Cooperation Project in Infectiology, ‘Metabolic Determinants of HIV-1-Associated Pathogenesis’, a PhD student position is available at the HPI.

We offer a three year PhD student position in the Research Department “**Virus Immunology**”. Payment and social benefits are in accordance with regulations of the German TV-AVH (salary agreement public service employees).

For questions, please contact Dr. Madeleine Bunders (Email: madeleine.bunders@leibniz-hpi.de).

Applications should include a CV, a short description of previous experiences and technical skills, and two or three references. Please submit your application by March 31st, 2020. Late applications will be considered until the position is filled.

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