

Medical Doctorate Thesis (d/f/m)

- Virus Immunology -

The **Heinrich Pette Institute** - Leibniz Institute for Experimental Virology (HPI), is committed to research on the biology of different human viruses, the pathogenesis of viral diseases, and physiological defense reaction of organisms. Our position is to be filled in the research department Virus Immunology (head Prof. Altfeld) in the group of Dr. Christian Körner.

Project: *“Molecular mechanisms underlying the target cell recognition by natural killer (NK) cells”*

Natural killer (NK) cells represent an integral component of the innate immune system with a critical involvement in antiviral immunity. Nevertheless, the underlying mechanisms how NK cells recognize virus-infected cells are not fully understood. This research project aims to identify molecular patterns that enable NK cells to exert a potent antiviral response against virus-infected and transformed target cells. The information generated in this project may provide crucial information that could be used in novel immunotherapeutic interventions for viral infections and malignancies.

We offer:

- Intellectual and practical supervision by postdoctoral research fellows
- Independent conduction of the experiments of the research project
- Teaching of state-of-the-art technologies in immunology, virology and cell biology
- Student assistant salary
- International environment with English as official language

We seek:

- Highly motivated, team-oriented medical students (d/f/m) with interest in immunology

If you are interested in undertaking a medical doctoral thesis at the Research Department Virus Immunology, please send your application (cover letter and CV as single pdf file) directly to personalabteilung@leibniz-hpi.de. For further information, please visit <https://www.hpi-hamburg.de/en/research-teams/research-departments/virus-immunology/subunit-immune-biology-of-nk-cells/> or do not hesitate to contact Dr. Christian Körner (christian.koerner@leibniz-hpi.de).

Please send your application by **October 31, 2020**. Anticipated start date of the project is November 2020.

