

# Master Thesis

## - Viral 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, the physiological defense reaction of organisms and associated problems. Our position is to be filled in the department of Virus Immunology. Our group is an international group with English as official language.

**Project:** *“Establishment and comparison of assays to assess natural killer (NK) cell cytotoxicity”*

Natural killer (NK) cells represent an integral component of the innate immune system with a critical involvement in antiviral immunity. The mechanisms and kinetics underlying the killing of target cells by NK cells are complex. This research project aims to establish and optimize novel assays for determining NK cell cytotoxicity, to compare these with existing techniques and to adapt these assays for subsequent research questions.

### 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

### We seek:

- Highly motivated, team-oriented master students with interest in immunology

If you are interested in undertaking a master thesis at the Department of Virus Immunology or have further questions, please do not hesitate to contact Dr. Christian Körner ([christian.koerner@leibniz-hpi.de](mailto:christian.koerner@leibniz-hpi.de)) with a short cover letter and CV. For more information please visit <http://www.hpi-hamburg.de/de/forschungseinheiten/abteilungen/virus-immunologie/>.

Please send your application by **January 31<sup>st</sup>, 2019**. Anticipated start date of the project is February February or March 2019.

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