The Heinrich Pette Institute, Leibniz Institute for Experimental Virology (HPI), in the context of the Leibniz ScienceCampus "Integrative analysis of pathogen-induced compartments" (*InterACt*) seeks to recruit an

Image processing specialist (f/m/d).

HPI is committed to research on the biology of different human viruses as well as the pathogenesis of viral diseases and offers the opportunity to perform cutting-edge research in a world-class research environment with excellent facilities. The Leibniz ScienceCampus *InterACt* is newly established and will link and strengthen the unique competence in infection research of the Leibniz Center Infection (LCI) with complementary expertise in structural biology, biophysics, chemistry and informatics at the Universität Hamburg, including excellent imaging infrastructures at HPI and the Centre for Structural Systems Biology (CSSB).

The Microscopy and Image Analysis technology platform at HPI offers both, a variety of electron microscopic techniques, such as transmission and serial block phase scanning electron microscopy, as well as innovative light and fluorescence microscopy plus dedicated expertise and workflows for their correlative application to analyze virus-infected cells and tissues.

We are looking for a bioinformatician, computer scientist, experimental virologist, cell biologist or scientist with similar background having expertise and interest in analyzing and quantifying complex multiscale imaging data from virus-infected cells. The candidate should develop analysis tools to integratively analyze the dynamics of pathogen-induced compartments from data across scales. Additionally, the image processing specialist should train users and will serve as first line user support to explore the full information and full potential of their imaging data sets. The successful candidate should actively participate and be an integral part of the newly established Leibniz ScienceCampus *InterACt* and will benefit from its framework of collaborations.

Applicants should hold a doctoral degree (or equivalent) in the field of bioinformatics, computer sciences, molecular biology, molecular life sciences, biophysics, cell biology or similar, ideally with a research expertise in live-cell imaging data analysis, correlative microscopy or integrated imaging. A benefit would be knowledge about optimized single particle tracking algorithms and modern computational methods like machine learning.

The position is available from August 2019 and is to be filled as soon as possible. The funding is through the Leibniz ScienceCampus *InterACt* for 4 years with the possibility of a 4-year extension. Payment and social benefits will be in accordance with the regulations of the German TV-AVH (salary agreement for public service employees).

If you have further questions regarding *InterACt* or the position, please do not hesitate to contact Kay Grünewald (Email: kay.gruenewald@leibniz-hpi.de) or Frederike Ahr (Email: frederike.ahr@leibniz-hpi.de)

We aim to increase the percentage of women in research, and therefore encourage female scientists to apply. Equally qualified candidates with disabilities will be considered preferentially.

Please submit your application until August 1, 2019. Late applications may be considered until the position is filled.

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