



## 1 PhD (65% E13) student or postdoc (100% E13) position (d/f/m)

To study "Norovirus particle dynamics"

The Leibniz Institute for Experimental Virology (HPI) in Hamburg, Germany, invites applications for one position in associated research group "**Dynamics of viral structures**" of **Dr. Charlotte Uetrecht**. The Uetrecht group uses advanced mass spectrometric techniques to derive structural information of viral protein complexes.

The group is based at the Centre for Structural Systems Biology (CSSB), a research centre dedicated to infection biology and the underlying mechanisms of important pathogenic processes. The CSSB is located on the Science Campus Hamburg-Bahrenfeld and is a joint initiative of ten research partners in Northern Germany; one of these partners is the HPI.

The project builds on our previous work on structural dynamics in the Norovirus capsid protein P domain and capsid assembly. Here, we seek to drive our hydrogen/deuterium exchange mass spectrometry approach from empty capsids to intact virions starting from murine noroviruses and gradually moving to human noroviruses, which are the main course of viral gastroenteritis and hence an important human pathogen.

We seek exceptional, highly motivated candidates holding a Master or PhD degree in natural or life sciences for this project. Suitable candidates have experience in structural virology or mass spectrometry. Expertise in virology, biophysics, protein production and data analysis will be considered an asset.

We offer the opportunity to perform cutting-edge research in an extremely stimulating work environment equipped with state-of-the-art technology. The position is initially funded for 1 year through the DFG. Payment and social benefits will be in accordance with the regulations of the German TV-AVH (salary agreement for public service employees). The HPI is an international research institute with English as the working language. For further information please visit the websites, <https://www.cssb-hamburg.de/> and <http://www.hpi-hamburg.de>, or contact Dr. Charlotte Uetrecht ([charlotte.uetrecht@cssb-hamburg.de](mailto:charlotte.uetrecht@cssb-hamburg.de)).

Please send your application by **15<sup>th</sup> September 2021**, late applications may be considered until the position is filled. Please send your electronic application including possible starting date, scientific CV, three reference contacts, certificates, letter of motivation in a **single PDF** to: [personalabteilung@leibniz-hpi.de](mailto:personalabteilung@leibniz-hpi.de)

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

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