



Postdoc Computational Bioinformatics (d/f/m)

Development of analytical workflows and GUI for analysis of
Mass spectrometry-based diagnostics of respiratory viruses (full time)

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

We invite applications for a joint PostDoc position in the research group "[Systems Arbovirology](#)" of **Dr. Pietro Scaturro** and the associated group "[Dynamics of viral structures](#)" of **Prof. Dr. Charlotte Uetrecht**, which is mainly located at the CSSB in Hamburg.

The Scaturro group investigates how pathogenic RNA(+) viruses manipulate their hosts to identify promising targets for therapeutic intervention using modern bottom-up mass spectrometry (MS).

The Uetrecht group mainly studies structural aspects of corona- and noroviral protein complexes using and developing advanced mass spectrometric techniques, especially native mass spectrometry (MS).

In the context of a multidisciplinary project aimed at developing new MS-based diagnostics for detection of respiratory viruses we are looking for a Post-Doctoral fellow with experience in Bioinformatics and MS.

Your tasks:

- Workflows for assignment confidence of proteomics and native MS datasets for the detection of various viruses
- Integration into a user-friendly Graphical User Interface (GUI) to be used by non-specialists

Your skills:

- Above average PhD in bioinformatics or related field
- Experience in MS data analysis, programming and/or software coding
- Willingness to engage in interdisciplinary cooperation
- Ability to work independently as well as part of a team, very good communication skills
- Excellent command of written and spoken English

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 3 years and has the possibility for extension after the initial period. Payment and social benefits will be in accordance with the regulations of the German TV-AVH (salary agreement for public service employees). The LIV is an international research institute with English as the working language. For further information contact Dr. Pietro Scaturro (pietro.scaturro@leibniz-liv.de) or Prof. Dr. Charlotte Uetrecht (charlotte.uetrecht@cssb-hamburg.de).

The LIV promotes professional equality. Handicapped applicants with equal qualifications will be given preferential treatment. Please send your application by **31th May 2022** – late submissions may be considered until the positions are filled. Applications providing a motivating cover letter indicating earliest possible starting date, a CV and the names of at least two referees in a **single PDF** should be sent via regular or electronic mail to:



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