



The Leibniz Institute for Experimental Virology (LIV) is an independent research institution for basic biomedical research and, as a foundation under civil law and member of the Leibniz Association, occupies a leading position both nationally and internationally.

As of the next possible date, the LIV is looking for a highly motivated and creative

**Data Science Specialist for Scientific
Computing
in full time/part-time(d/m/w)**

to support a new technology platform for scientific computing as part of the 'Viral Data Science' initiative:

The aim of the initiative 'Viral Data Science' is to complement the rapid technological development in the LIV working groups and technology platforms as well as the continuously growing data volumes with a science-driven, central infrastructure for scientific computing that brings together complex data volumes, stores them sustainably and analyses them in a structured manner.

Your responsibilities:

- User training, tutorials and advice on data analysis and experimental implementation in close cooperation with the other members of the TP Viral Data Science (introductory level as well as in-depth training for advanced users)
- Provide advice on how to perform complex scientific data analyses
- Installation and adaptation of scientific software on HPC cluster
- Installation, implementation and maintenance of data analysis workflows
- Development of new workflows, expanding software documentation
- Help in organizing the storage of large amounts of biological data
- Create an environment to support the efficient use of machine learning algorithms
- Support the actual setup and maintenance of the cluster

Our offer:

- Excellent working atmosphere with good work-life balance
- Wide range of further training opportunities
- Cooperation with highly motivated teams
- Remuneration according to EG 13 TV-AVH (comparable to TVöD)
- The position is initially limited for 2 years with the possibility of extension.
- The postdoctoral researcher will benefit from the vibrant scientific environment of LIV. They will also participate in international scientific conferences, workshops and events to disseminate their results

Our requirements:

- University degree, preferably a PhD, in the natural sciences, ideally in bioinformatics, data science, biostatistics or computer science, or equivalent skills and significant experience in any of these fields
- Very good programming skills, ideally knowledge of Python and possibly C++, Java, as well

- as SQL and/or Cypher
- Linux knowledge
 - Independent, conscientious and structured working style
 - English proficiency (working language is English)

Of advantage:

- Familiarity with HPC hardware
- Knowledge in image processing
- Experience in developing machine learning algorithms/AI tools/software tools for the computational biology community
- Broad knowledge of statistics (and statistical software packages) and state-of-the art tools for multiomic data analyses

For information about the LIV and the departments please visit the following website:

<https://www.leibniz-liv.de/>

For further information on this opportunity contact Prof. Maya Topf (topfgroup@cssb-hamburg.de).

The Leibniz Institute of Virology promotes professional equality for all genders. Women are particularly encouraged to apply. Severely disabled persons will be given preferential consideration in case of otherwise equal suitability, qualification and professional performance.

We look forward to receiving your complete and informative application documents in English language by **30.09.2023**, preferably by e-mail. Late applications may be accepted until the position is filled. Please add contact details for reference and state your earliest possible starting date.

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