

Mass Spectrometry

Bioinformatician (Proteomics)

About us

The Mass Spectrometry Facility at the Max Perutz Labs performs state-of-the-art proteomics analyses for more than 30 research groups at the Vienna BioCenter and beyond. Our work supports basic research in the fields of molecular biology, cell biology, and biomedicine with plenty of opportunities to engage in exciting and ground-breaking science. In doing so, we routinely explore the limits of current proteomics technology.

Your role

Modern proteomics generate vast quantities of data that require careful, and often sophisticated analysis in order to derive robust biological insights. We are therefore recruiting a Bioinformatician to help strengthen our existing data analysis pipelines as well as develop new ones. In addition to supporting our team in conducting advanced data analyses you will also have the opportunity to develop your own research project. Your primary responsibilities will include:

- Apply existing and develop novel bioinformatics approaches to analyse data from complex proteomics experiments to help our customers answer their biological questions
- Design, implement, and evaluate new bioinformatics tools to extend the services and capabilities of the facility
- Document all procedures reliably and communicate results to customers
- Take responsibility for projects and report to Facility Head
- Disseminate our work at internal meetings and scientific conference as well as engage with our user community to provide support and understand their needs

Your profile

- MSc or PhD in Bioinformatics, Data Science, Mathematics, Physics or similar
- Advanced knowledge of at least one programming language (C, C++, Java, Perl, or Python)
- Experience in using R for data analysis
- Documented track-record in form of publications, code (e.g. on GitHub), or similar
- Experience in the analysis of omics or mass spectrometry data is an asset
- Interest in mass spectrometry and proteomics, curiosity for new approaches
- Excellent communication and writing skills, fluent in English (oral and written)
- Ability to work in a multidisciplinary and international research team

Why join us?

- Stimulating, supportive, and friendly environment in which you can further develop your expertise
- Design your own research project, for example on label-free quantification using data-independent acquisition methods
- Access to state-of-the-art infrastructure and contact to a vibrant community of researchers and bioinformaticians at the Vienna BioCenter, one of Europe's leading life science hubs

MAX PERUTZ LABS

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- Contribute to the exciting research at Max Perutz Labs with opportunities to contribute to publications as co-author
- Live in a city ranked with the world's highest quality of living
- Yearly gross salary of min. EUR 40.000 for 40h working week

Application

Please send your application (incl. a motivation letter, your CV, certificates and if available contact details of a reference) in pdf format to claudia.graf@maxperutzlabs.ac.at.

Application deadline is October 31st, 2021.

The position is limited to 2 years with potential of extension based on performance and funding.

About the Max Perutz Labs

The Max Perutz Labs are a research institute established by the University of Vienna and the Medical University of Vienna to provide an environment for excellent, internationally recognized research and education in the field of Molecular Biology. Dedicated to a mechanistic understanding of fundamental biomedical processes, scientists at the Max Perutz Labs aim to link breakthroughs in basic research to advances in human health. The Max Perutz Labs are located at the [Vienna BioCenter](#), one of Europe's hotspots for Life Sciences, and host around 50 research groups, involving more than 450 scientists and staff from 40 nations.

For more information about the Max Perutz Labs: <https://www.maxperutzlabs.ac.at/>

About our facility: <https://www.maxperutzlabs.ac.at/research/facilities/mass-spectrometry-facility>

About the Vienna BioCenter: <https://www.viennabiocenter.org/>

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