

We are looking for an enthusiastic

PhD Student

to join Prof. Christoph Messner's lab in Davos. The successful candidate will be part of the newly established Precision Proteomics Center at the Swiss Institute of Allergy and Asthma Research (SIAF) in Davos, which is associated with the University of Zurich.

At the Precision Proteomics Center, we develop and apply cutting edge MS based technologies and analyse clinical samples (body fluids, tissues) as well as cells. We aim to identify new biomarkers and disease mechanisms that contribute to the development of the next generation of personalized treatments. The group has a strong technical expertise in high-throughput proteomics and the analysis of large datasets.

We encourage applicants with an experimental background as well as with an computational background to apply.

Role and area of responsibility

- Interdisciplinary work at the intersection of immunology, computational biology and analytical chemistry
- Contribute to the development of MS based high-throughput proteomics technologies
- Generate large and high-dimensional datasets by measuring large patient cohorts (biofluids, tissues) and/or conduct cell-based screens (CRISPR KOs, stimulated cells)
- Apply bioinformatic tools such as machine learning or network biology
- Collaborate with members of SIAF, UZH and international collaborators
- Develop innovative ideas and lead your own projects

Your profile

MSc in basic sciences, excellent written and oral English, creative and open-minded, hands-on experience in mass spectrometry (e.g. Orbitraps, qTOFs) is a plus, basic experience with R programming/Python is a plus, practical experience in immunological or molecular biology techniques is a plus.

We offer an interesting job in a new building with state of the art laboratories and equipment, providing an excellent scientific environment and infrastructure, as well as an attractive salary. You will be surrounded by mountains and spectacular nature, where you can balance your academic career with a variety of outdoor options.

Interested applicants should send a cover letter describing their research experience and motivation, along with their CV, and at least two references to christoph.messner@siaf.uzh.ch.

