The research group of Prof. Dr. Bettina Warscheid at the Faculty of Biology of the University of Freiburg is looking for a

Postdoctoral Scientist in Bioinformatics

The chair for Functional Proteomics is part of the Clusters of Excellence BIOSS and CIBSS – Centre for Integrative Biological Signalling Studies – and a leading group in high-resolution mass spectrometry (MS)-based proteomics. Research in the group is focussing on quantitative proteome biology to address cross-scaling biological questions with emphasis on metabolic organelles (mitochondria, peroxisomes) and disease-related signalling networks. To support and strengthen our research, we are looking for a new, high potential team member.

Your tasks:
- development and implementation of an advanced computational framework for comprehensive meta-analysis of large quantitative MS/MS datasets
- design and establishment of innovative concepts for interactive data visualization
- development and establishment of a database for storage and data mining of quantitative MS data
- exploiting machine learning methods, especially deep learning for proteomic data
- active participation in research projects
- writing of manuscripts and project proposals
- participation in mentoring of students

Your profile:
- PhD degree in Bioinformatics, Computational Biology, Computer Science or a related Life Science discipline (with strong background in Bioinformatics)
- advanced programming skills (in particular R and Python)
- strong background in statistical methods
- experience in the analysis of large-scale omics data, in particular mass spectrometric data, is advantageous
- excellent communication, writing, and organizational skills
- highly self-motivated and enthusiastic for cross-scaling proteomic research

We offer:
- an interdisciplinary and supportive team
- a lab with excellent proteomics and bioinformatics infrastructure
- innovative projects in cross-scaling signalling research
- an excellent scientific environment in an international research community
- participation in further education, career development, and training opportunities
- a network of people working in bioinformatics in the Freiburg research community

The position is available immediately, initially for one year with the potential for extension for three years. The University of Freiburg is an equal opportunity employer. Applications of women are encouraged. Handicapped candidates with equivalent qualifications will be given preference. Interested candidates should send an application including CV, study certificates, areas of expertise and interests, list of publications, and the names and addresses of two referees as **one single PDF** file via email to Prof. Dr. Bettina Warscheid (bettina.warscheid@biologie.uni-freiburg.de).