

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 Quantitative Proteomics**

The chair for Functional Proteomics is part of the Cluster of Excellence BIOS - Centre for Biological Signalling Studies - and a leading group in mass spectrometry (MS)-based proteomics. Research in the group is focussing on the study of disease-related protein signalling networks as well as the molecular and functional characterization of organelles and large membrane protein machines. To strengthen our signalling research projects with regard to B cells and autoimmune diseases, we are looking for a new, high potential team member.

Your tasks:

- design, performance and evaluation of MS-based proteomic studies
- operation and maintenance of high resolution LC-MS systems (Orbitrap instruments)
- development and implementation of new methods within protein analytics/proteomics
- analysis of posttranslational modifications and protein-protein interactions
- bioinformatics and statistical analysis of large quantitative MS/MS datasets
- project management and communication with project partners
- independent writing of manuscripts and project proposals
- participation in education and mentoring of students

Your profile:

- Ph.D. degree in biochemistry, biology, biotechnology or in a related discipline
- strong background in quantitative proteomics and high resolution MS
- practical skills in sample preparation and LC-based separation technologies
- sound experience in downstream data processing and bioinformatics/statistics
- sound understanding of (immuno)biology and cell signalling
- high degree of analytical thinking and creativity
- excellent communication, writing, and organizational skills
- highly self-motivated and enthusiastic for signalling proteomics research

We offer:

- a lab with excellent proteomics, bioinformatics, biochemistry, molecular biology and cell biology infrastructure
- latest high resolution LC-MS instrumentation and extensive experience in proteomics
- participation as key member in a proteomics project within the DFG-funded transregional collaborative research centre "B cells: Immunity and Autoimmunity"
- an excellent scientific environment in the Freiburg signalling community
- participation in further education, career development, and training opportunities

The position is available from August 1<sup>st</sup> 2016, initially for one year with the potential for extension for four 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](mailto:bettina.warscheid@biologie.uni-freiburg.de)).