

## Scientist (Post-Doc)

The Department of Functional Proteomics at the 'Medizisches Proteom-Center' (MPC), which belongs to the Ruhr-Universität Bochum, has a job opening for a scientific assistant to be filled as soon as possible. Initially, the position is limited to the 31<sup>st</sup> of December 2012, with an optional extension of two years.

The PURE-branch Neuroproteomics, which is headed by Prof. Dr. Jens Wiltfang, at the 'Klinik für Psychiatrie und Psychotherapie, Universität Duisburg-Essen', has successfully dealt with identifying and validating protein-biomarkers in the field of neurodegenerative diseases in recent years. Within the limits of PURE, the branch of Neuroproteomics works together with the MPC'S department of Functional Proteomics. The MPC is one of the leading institutes worldwide on the field of Proteomics with its main scientific focus lying on the protein-analytical study of biological systems, by means of using multidimensional separation methods and the biological mass spectrometry. Particularly by applying strategies of quantitative protein analysis, our aim is to find and validate new protein-biomarkers for in vitro diagnostics.

PURE, which includes the branch of Neuroproteomics and the MPC, has an excellent infrastructure with all current, state-of-the-art technologies (2D-gel Electrophoresis, DIGE, multidimensional/nanoHPLC, ESI-IT (ETD, CID)-MS, MALDI-TOF/TOF-MS, ESI/MALDI-QTOF-MS, ESI-LTQ-Orbitrap-MS etc.).

The work covers the implementation of protein studies for the identification, quantification (with the help of label-free Proteomics, ITRAQ, SILAC etc.), and the validation (MRM, AQUA etc.) of biomarkers, as well as the advancement of applicable methods for quantitative proteome analysis of clinical samples.

Suitable candidates are required to have already achieved their doctorate in a biochemical, biological, or chemical course of studies, and must show great interest in the development of MS-based technologies and protein-chemical methods. Above this the applicant must have already published something on the field of Proteomics. Preferable, yet not required, are experiences in one or more of the following fields: instrumental analytics, mass spectrometry and proteomics, nanoHPLC, as well as protein-biochemical methodology. Advanced knowledge of chromatography and mass spectrometry (ESI, MALDI, CID/ETD, qTOF, IT-MS, QqQ etc.), as well as experience in the evaluation of large proteomic data sets and/or Phosphoproteomics are advantageous. Teamwork skills as well as the ability to work in an interdisciplinary field of research are necessary. The position is suitable for entrants.

The payment depends on personal qualification.

Please send your informative application to Prof. Dr. Katrin Marcus: [katrin.marcus@rub.de](mailto:katrin.marcus@rub.de) by May 7<sup>th</sup> 2011.

General information regarding the MPC and the department of Functional Proteomics can be found at <http://www.medizinisches-proteomcenter.de> and <http://www.funktionelle-proteomik.de>