

Postdoc Position in Membrane Protein Research

The Institute of Biophysical Chemistry at the University of Frankfurt/Main is offering a research opportunity for a postdoc in the functional and structural analysis of membrane proteins. The position is part of the Marie-Curie International Training Network "Structural Biology of Membrane Proteins (SBMP)" and limited to the period of one year. The project is focused on the characterization of cell-free produced proteins, in particular from the family of G-protein coupled receptors (Junge *et al.*, J. Struct. Biol. 172, 94-106). Key technologies include highly efficient cell-free expression approaches, the preparative scale cell-free production of membrane proteins, automated throughput expression screening, methods for membrane protein analysis, and structural evaluation of proteins by high resolution NMR spectroscopy as well as by 3D crystallography (Sobhanifar *et al.*, PNAS 107, 9644-9). Close cooperation with other partners of the SBMP network and participation at workshops is highly encouraged. Applicants should hold a PhD in biology or biochemistry together with a sound background in molecular biology and in standard biochemical techniques. Experience with high-throughput techniques and with membrane proteins will be a plus but is not essential. As an essential requirement for the participation in Marie-Curie ITNs, applicants must not have more than 5 years of research experience after obtaining the degree which formally allowed them to embark on a doctorate. Location of the position will be in Frankfurt/Germany. Applicants must therefore have not more than 1 year of residence in Germany.

Frankfurt is a very active and lively centre for research in the field of life sciences with an international and highly interactive scientific community. The Institute of Biophysical Chemistry is located at the Biocentre of the University of Frankfurt and provides excellent facilities for NMR spectroscopy and biochemical and molecular studies. The Biocentre is host of several science clusters like the Centre of Membrane Proteomics and the Centre of Biomolecular Resonance.

Applicants should submit a detailed CV including abstracts of the PhD thesis, a description of research experience, a list of techniques that have been used and if possible the names and addresses of 1-2 references. The position will be open immediately but not later than August 2011.

Applications should be sent by post or by email to:

Dr. Frank Bernhard, Institute of Biophysical Chemistry, University of Frankfurt

Max-von-Laue-Str. 9, 60438 Frankfurt, Germany.

Email: fbern@bpc.uni-frankfurt.de