ÖAW
Austrian Academy of Sciences

IBN
INSTITUTE OF BIOPHYSICS AND NANOSYSTEMS RESEARCH

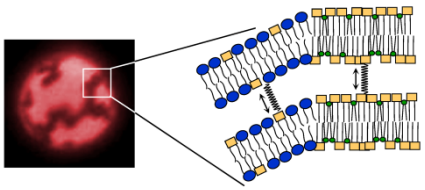
2 PhD Positions in Biomembrane Physics

Dec. 22, 11

We are seeking for two highly committed PhD students Theses.

Your Topic:

Work will be performed in the framework of the project "Structure and Elasticity of Liquid Ordered/Liquid Disordered Domains" funded by the Austrian Science Funds FWF. The central aim of this project is to design and improve lipid models that resemble essential features of functional biological membranes.



The work includes a strong collaboration with international leading researchers in the fields of physics, biophysics and cell biology offering access to a broad selection of experimental and theoretical techniques including simulations. The major technique applied will be X-ray diffraction, including Synchrotron experiments at the Austro-SAXS beamline in Italy. Tutorial trips to Cornell University and ORNL (USA), MPI (Dresden Germany) and JSI (Slovenia) will be part of the training.

Your Profile:

- Master degree in *physics* or *physical chemistry* (preferential: training in scattering techniques and background in biophysics)
- One of the students requires distinct knowledge in numerical techniques and computer programing
- Distinct skills in communication (oral and written), teamwork and learning in a highly interdisciplinary area, scientific commitment and creativity

Other Essentials:

- Positions are granted for a period of 36 months, gross salary: 1877.- EUR/month.
- Work will be performed at the Institute of Biophysics and Nanosystems Research, Austrian Academy of Sciences, Graz, Austria.
- PhD degree will be granted by the Graz University of Technology (Physics Department)
- Your application includes: Letter of Intent, CV, certificates, publication list (if applicable)
- Application deadline: 03. 02. 2012
- Approximate starting date: 01. 03. 2012

We are looking forward to your application via email to Univ.-Doz. Dr. Georg Pabst (georg.pabst@oeaw.ac.at). Receive further information from the same email address and/or see http://www.ibn.oeaw.ac.at/people/Georg/.