FACULTY OF SCIENCE
DEPARTMENT OF CHEMISTRY

Postdoc in Bone Nanostructure by X-ray Scattering

A 1-year post-doctoral position with a possibility for extension is available from October 1, 2008 or later at the Department of Chemistry, University of Aarhus, Denmark, for studies of bone nanostructure by X-ray wide and small angle scattering.

The Department of Chemistry is responsible for research and education in modern chemistry at Aarhus University. The department hosts a faculty of 32 assistant, associate and full professors, 37 technical and administrative assistants and more than five hundred students.

The project is a collaboration between the groups of Assoc. Prof. Henrik Birkedal and Prof. Jan Skov Pedersen. The research will involve measurements at both local and synchrotron sources as well as the interpretation of the measurements by classical and newly developed methods. In addition to the X-ray scattering investigations, supplementary investigations by electron microscopy and mechanical measurements by e.g. nanoindentation will also be parts of the project.

Candidates should either have a background in bone structure or mechanics or have a strong background in X-ray scattering investigations of materials.

The successful candidate will by hired at the Department of Chemistry and associated with the Interdisciplinary Nanoscience Center (iNANO) (www.inano.dk). iNANO is a major research and education center based at the University of Aarhus and Aalborg University. The center currently undertakes interdisciplinary research involving scientists from relevant areas in physics, chemistry, molecular biology, biology, engineering, and medicine. iNANO offers a dynamic, interdisciplinary research environment with many industrial, national and international collaborators.

Applications must be in English and include a curriculum vitae, a complete list of publications, a statement of future research plans and information about research activities, teaching qualifications and management experience, all in 4 copies (see http://www.nat.au.dk/default.asp?id=7842&la=UK for the recommended level of detail). If the applicant wants other material to be considered in the evaluation (publications and other documentation of research and teaching qualifications, as well as management experience) such material must be clearly specified and must either be enclosed in hardcopy (3 copies) or must be available electronically.

The Faculty refers to the Ministerial Order No. 92 of 15.02.2008 (http://science.au.dk/default.asp?id=7839&la=UK) on the appointment of teaching and research staff at the universities under the Ministry of Science, Technology and Innovation.

Salary depends on seniority as agreed between the Danish Ministry of Finance and the Confederation of Professional Unions.

Applications should be addressed to The Faculty of Science, University of Aarhus, Ny Munkegade, Building 1520, DK-8000 Aarhus C, Denmark, and marked 212/5-242.

The deadline for receipt of all applications is September 5, 2008, at 12,00 noon.

For more information please contact Associate Professor Henrik Birkedal, the Department of Chemistry, telephone +45 8942 3887, e-mail: hbirkedal@chem.au.dk

The University of Aarhus has 35,000 students, 8,500 members of staff and a turnover of DKK 4.8 billion in 2008.

The university's strategy and development contract are available at http://www.au.dk/en/strategy