POSTDOCTORAL POSITION
in biological Applications of Synchrotron Radiation

Institute for Storage Ring Facilities (ISA), University of Aarhus, DENMARK

We are seeking a candidate for a postdoctoral position in biological applications of low-energy X-ray synchrotron radiation. The position is that of a beam line scientist and involves X-ray microscopy (XRM) and Circular Dichroism. XRM is a proven and versatile technique used to obtain high-resolution images of typically biological specimens either in liquid media or in the cryo-preserved state. CD is a spectroscopy which yields the secondary structure of biomolecules.

Applicants should have a degree in natural sciences and experience in the area of the use of spectroscopy and/or microscopy techniques. Experience in XRM or CD is not a requirement. The successful candidate will, in addition to his/her own research projects, also develop the CD and XRM facilities at ISA. An important part of the position will be to initiate and sustain collaborations with groups in the biomedical community located at the Faculty of Science and Faculty of Health Sciences at University of Aarhus, elsewhere in Denmark and in Europe as a whole.

The contract will be for initially 1 year with a view to extension.

Applications including a full CV and the names and contact details of two referees should be sent to the Director of ISA: Søren Pape Møller, ISA, University of Aarhus, DK-8000 Aarhus C, Denmark. The closing date for applications is March 20th 2007 and we aim to fill the position as soon as possible thereafter.

ISA operates and develops the Danish Synchrotron Radiation Storage Ring ASTRID at the University of Aarhus. ISA is a member of the EU Integrated Infrastructures Initiative (I3) and the laboratory receives a large number of visiting scientists. ISA hosts a world-leading facility for CD studies. The X-ray microscope is one of the special facilities offered at ISA and is undergoing a substantial upgrade with the commissioning of a cryogenic sample stage.

Further information can be found at http://www.isa.au.dk/, and http://www.isa.au.dk/SR/XRM/xrm.html and http://www.isa.au.dk/research/bio-research.html. Additional information may be obtained from Søren Pape Møller (fyssp@phys.au.dk) or David Field (dfield@phys.au.dk).