Postdoctoral research position, 3 years, in experimental neutron scattering methods.
A collaboration between ESS Scandinavia, Lund University (Sweden) and Forschungszentrum Jülich (Germany).

The position is part of the ESS Scandinavia neutron scattering research group under the supervision of Dieter Richer at Forschungszentrum Jülich and placed at SNS at Oak Ridge, Tennessee.

Europe is planning the construction of the next generation neutron source, the European Spallation Source (ESS)
ESS will be a multi-scientific research facility based on the world's most powerful neutron source. Researchers will be able to study a multitude of different materials there – from plastics and proteins to medicines and molecules – in order to understand how they are built up and how they work. ESS will become a hub in Europe's research infrastructure.
ESS-Scandinavia has proposed that ESS be built in Lund:
Lund and the Öresund region have excellent conditions for attracting the very best researchers; several distinguished universities, a broad research-based commercial and industrial scene, well-developed infrastructure. ESS Scandinavia is actively developing neutron scattering activities.
Forschungszentrum Jülich (FZJ) has been involved with the construction of large facilities, in particular neutron sources. FZJ is currently involved in the instrumentation programme at the Spallation Neutron Source (SNS) facility in Oak Ridge (USA): FZJ constructs a high resolution neutron spin echo spectrometer and takes part in the operation of the backscattering instrument BASIS and the powder diffractometer POWGENE.

A postdoctoral position is now open at ESS Scandinavia in collaboration with FZJ. This post represents an excellent opportunity to young scientists with PhD

who are willing to broaden their experience, to develop expertise and to collaborate with high level scientists in diverse fields and from different origins. The successful candidate will be a dynamic and highly motivated scientist with a PhD in physics or chemistry. Experience in neutron or synchrotron x-ray scattering will be welcome.

He/she will be part of the FZJ team based at SNS (USA); he/she will contribute to the neutron scattering instrumentation development of FZJ and be part of the scientific support to SNS users at the instruments where FZJ is involved.
English will be the working language. Knowledge in German and Swedish is an advantage.

Starting date: According to agreement

The position
The announced position is for full time employment by ESS Scandinavia, Lund University, under the supervision by Forschungszentrum Jülich, Germany, and placed at SNS at Oak Ridge, Tennessee, USA.
After the initial three years employment there is a possibility that the employment will change into a permanent employment at ESS Scandinavia in Lund.

Information regarding ESS Scandinavia is availably at our website:
http://www.esss.se

Gender balance is a strong issue at Lund University and we encourage both men and women to apply for this position.

Qualifications
PhD in physics or chemistry
Excellent oral and written expression skills in English is a requirement, knowledge in German, Swedish and other European languages is an advantage.

More information
For further information, please contact Professor Dieter Richter, FZJ, Phone: +49 2461 61 2499 E-mail: d.richter@fz-juelich.de ; and Deputy Director for Science Christian Vettier, ESS Scandinavia Phone: +46 46 222 83 12, E-mail: christian.vettier@esss.se

Applications, containing letter of application and CV, are to be sent to registrator@lu.se or Vice-Chancellor, Lund University, PO Box 117, SE-221 00 Lund, Sweden or by and have to been received by the Registrar by 13th of March 2009 at the latest.
Please state the vacancy reference number, PA 2009/409, on your application.