

Neutron Scattering Postdoctoral Research Fellow

Neutron Scattering Science Division Oak Ridge National Laboratory Oak Ridge, Tennessee

ORNL07-72-NSSD

Project Description:

Major duties and responsibilities will include:

- Conceive and conduct independent and collaborative neutron scattering experiments on biological soft condensed materials;
- Travel to other neutron sources to execute neutron scattering experiments and analyze the experimental data;
- Publish research results in scientific journals;
- Participate and contribute to the commissioning and initial experiments of the EQ-SANS instrument.

Qualifications: Ph.D. degree required in physics or chemistry.

Other requirements: Demonstrate expertise in the area of scattering studies of biological and other soft condensed matters. Candidates with a recent Ph.D. in physics, chemistry, biological sciences, materials science, or related fields and a strong background in small angle neutron scattering or related techniques will be considered. Experiences and knowledge with SANS instrument operation, data treatment etc. on pulsed neutron sources are desired, though not required. Strong written and oral communication skills and the desire to work in a team environment on scientifically challenging problems are required.

The successful candidate will conduct independent research at the SANS facilities at the Spallation Neutron Source, the High Flux Isotope Reactor at the Oak Ridge National Laboratory and other neutron scattering facilities around the world. She or he is also expected to contribute to the commissioning and initial experiments of the EQ-SANS instrument.

Applicants cannot have received the most recent degree more than five years prior to the date of application and must complete all degree requirements before starting their appointment.

How to Apply:

Qualified applicants may apply online at https://www2.ornl.gov/ORNL_POST/. All applicants will need to register before they can begin the online application. For complete instructions, on how to apply, please see the instructions at <http://www.ornl.gov/orise/edu/ornl/ornl-pdpm/application.htm>. When applying for this position, please reference the position title and number (ORNL07-72-NSSD).

This appointment is offered through the ORNL Postdoctoral Research Associates Program and is administered by Oak Ridge Associated Universities (ORAU). This appointment is open to all qualified U.S. and non-U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.