



Postdoctoral Research Associates for the Bio-SANS Beam Line

**Center for Structural Molecular Biology
Chemical Sciences Division
Physical Sciences Directorate
Oak Ridge National Laboratory
Oak Ridge, Tennessee**

ORNL09-27-CSD

Project Description:

The Center for Structural Molecular Biology (CSMB) of Oak Ridge National Laboratory (ORNL) (<http://www.ornl.gov>) operates the Biological Small-Angle Neutron Scattering (Bio-SANS) beam line and user research program at the High Flux Isotope Reactor (HFIR). The CSMB conducts biological research on the structure, function and dynamics of macromolecular systems and assemblies, with particular focus and strengths in using small angle scattering, single crystal and membrane diffraction.

CSMB has an immediate opening for a Postdoctoral Fellow for the Bio-SANS Beam Line. The successful candidate will join a multi-disciplinary research team of chemists and bio-physicists at the Bio-SANS facility to support and develop neutron scattering analysis of biological macromolecules. As a postdoc on the beam line, you will be expected to actively participate in the research activities of the group, to develop an “in-house” research project and to provide user support to a limited number of visiting researchers. Successful applicants will be encouraged to develop their own independent and collaborative research. The post represents an excellent opportunity for a young postdoctoral scientist to develop his/her expertise, broaden his/her experience and interact with leading scientists from around the world.

Qualifications:

A Ph.D. completed within the last 5 years in Physical Sciences (Physics, Bio-physics, physical chemistry or material science) is required. The candidate should be self motivated, have good interpersonal, communication and presentational skills and demonstrated ability to interact effectively with staff at all levels and to work within a multi-disciplinary team. Previous experience in either neutron or X-ray scattering is required. Experience with scattering applications in structural biology or soft matter science would be a distinct advantage.

Technical Questions:

Dr. Dean Myles, Center for Structural Molecular Biology, Oak Ridge National Laboratory, P.O. Box 2008, Oak Ridge, TN 37831-6194, and mylesda@ornl.gov.

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/orni-pdpm/application.htm>. When applying for this position, please reference the position title and number.

This appointment is offered through the ORNL Postgraduate Research Participation Program and is administered by the Oak Ridge Institute for Science and Education (ORISE). The program 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.