

# **Postdoctoral Research Associate for the Photosynthetic Antenna Research Center**

**Chemical Sciences Division  
Oak Ridge National Laboratory  
Oak Ridge, Tennessee**

ORNL10-12-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 Post-Doctoral Fellow within the Photosynthetic Antenna Research Center (PARC). PARC explores basic science research aimed at understanding the principles of the harvesting of light and funneling of energy as applied to natural photosynthetic, biohybrid and bio-inspired antenna systems, which gather light and carry it to an organism's reaction center, where the chemistry that creates energy takes place. The successful candidate will join a multi-disciplinary research team of chemists and biophysicists at the Bio-SANS facility to support and develop neutron scattering analysis of biological macromolecules. 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 physics, biophysics, physical chemistry or structural biology is required. Previous experience in either neutron or X-ray scattering is required. Candidates with experience in applying small-angle scattering methods to biological macromolecular complexes are highly encouraged to apply. 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.

## **Technical Questions:**

For more information about this position please contact Dr. Volker Urban, Center for Structural Molecular Biology, Oak Ridge National Laboratory, P.O. Box 2008, Oak Ridge, TN 37831-6194, or at [urbanvs@ornl.gov](mailto:urbanvs@ornl.gov) and reference this position title and number in your correspondence.

**How to Apply:**

Applications will be accepted until November 30, 2009 or until the position is filled. Qualified applicants must apply online at [https://www2.ornl.gov/ORNL\\_POST/](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>.

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.