

# **Postdoctoral Research Associates in Bio-inspired Membrane Systems**

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

**ORNLO8-65-CSD**

## **Project Description:**

The integration of proteins with synthetic membranes will form the basis for a wide range of biomaterials with applications in energy conversion, drug delivery, nanomedicine etc. Understanding the weak intermolecular forces that govern supramolecular assembly of these structures will be crucial for the development of these materials. The Center for Structural Molecular Biology (CSMB) at Oak Ridge National Laboratory seeks a post-doctoral associate for a project on biomimetic conversion of solar energy to electrical or chemical energy. The CSMB is engaged in research related to protein structure and function using small angle scattering and crystallographic techniques and is responsible for managing the BioSANS instrument at ORNL. The successful candidate will join an interdisciplinary research team with expertise in photosynthesis, polymer chemistry, neutron science and organic photovoltaics.

## **Qualifications:**

The position requires a Ph.D. in chemistry, biophysics or similar discipline related to the project. Expertise in polymer science and characterization using small-angle X-ray or neutron scattering techniques is highly desirable. The candidate is expected to publish research results in scientific journals, maintain a strong commitment to the implementation and perpetuation of values and ethics and ensure compliance with environmental, safety, health and quality program requirements. Strong written and oral communication skills and the desire to work in a team environment on scientifically challenging problems are required. 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/ORNLPPOST/>. 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.

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.