

# **Postdoctoral Research Associate: Molecular Computational Modeling**

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

ORNL08-22-CSD

## **Project Description:**

We seek a Biophysicist, Physicist, Chemist or Computational Scientist with experience in applying computational methods to the study of biological macromolecules, as well as algorithm and software development in C/C++ or another high-level language. The candidate will be responsible for developing computational methods for building models of macromolecular complexes from small-angle neutron and X-ray scattering data in combination with structural information obtained by other experimental methods including NMR, mutagenesis and various spectroscopies. The candidate will have the opportunity to interact on both internal/external projects as part of the scientific programs on the Bio-SANS instrument at the ORNL High Flux Isotope Reactor. Previous work in X-ray or neutron scattering or protein crystallography is desirable.

**Qualifications: Ph.D. degree required in Physics, Chemistry or Life Health and Medical Sciences.** 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.

Other requirements: Computational Scientist

## **How to Apply:**

Qualified applicants may 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>. When applying for this position, please reference the position title and number (ORNL08-22-CSD).

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.