



## **Postdoctoral Research Associates in Polymer Physics**

**Center for Nanophase Materials Sciences Division  
Physical Sciences Directorate  
Oak Ridge National Laboratory  
Oak Ridge, Tennessee**

ORNL08-115-CNMS

### **Project Description:**

The Macromolecular Nanomaterials Group at the Center for Nanophase Materials Sciences (CNMS) at Oak Ridge National Laboratory (ORNL) is searching for a candidate for a postdoctoral research position for synthesis, assembly and characterization of polymeric materials. The successful candidate will perform collaborative research aligned with the CNMS nanoscience research program in functional polymeric materials in areas that include bio-inspired, stimuli responsive materials or polymers for energy conversion technologies. The candidate will also be responsible for upholding the environmental, health and safety requirements for the laboratory, and training users in laboratory and equipment operation.

### **Qualifications:**

This position requires a Ph.D. in Polymer Science, Chemistry, Chemical Engineering or a closely related field, as well as extensive experience in characterization of polymer assembly, structure, and dynamics via scattering or spectroscopic methods. Additional experience in bio-inspired and/or stimuli-responsive polymers or conducting polymers in confined geometries is highly desirable. Experience with electron or scanning probe microscopies, monomer or polymer synthesis, and standard analytical techniques for polymer characterization is desirable. Excellent oral and written communication skills are required, and presentation and publication of scientific results in peer-reviewed journals are expected. The applicant must have good organizational skills and must have the ability to work in a team and interact effectively with a broad range of colleagues. Demonstrated ability to communicate in English to an international scientific audience is essential. Applicants must have received their highest degree not more than five years prior to the date of application and must complete all degree requirements before starting their appointment.

### **Technical Questions:**

Questions regarding the position can be directed to Dr. Michael Kilbey ([kilbeysmii@ornl.gov](mailto:kilbeysmii@ornl.gov)).

### **How to Apply:**

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>. When applying for this

position, please reference the position title and number. Applications will be accepted until November 1, 2008, or until the position is filled.

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