

Postdoctoral Research Associate in Polymeric Materials

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

ORNL09-114-CNMS

Project Description:

The Macromolecular Nanomaterials Group at the [Center for Nanophase Materials Sciences](#) (CNMS) at Oak Ridge National Laboratory is searching for a candidate for a postdoctoral research position focused on synthesis, assembly and characterization of polymeric materials. The successful candidate will perform research aligned with the CNMS nanoscience research program in functional polymeric materials in areas that include polymers for energy conversion technologies, bio-inspired, or stimuli responsive materials. The candidate will be responsible for upholding the environmental, health and safety requirements for the laboratory, and will also have involvement in the CNMS user program. The CNMS is a collaborative nanoscience user research facility established by the Office of Science, U.S. Department of Energy.

Qualifications:

This position requires a Ph.D. in Polymer Science, Chemistry, Chemical Engineering or a closely related field and strong interest and extensive experience in characterization of polymer assembly, structure, and dynamics via scattering or spectroscopic methods. The successful candidate must be capable of innovative research in these areas. Additional experience in synthesis of novel bio-inspired and/or stimuli-responsive polymers or conducting polymers, functionalization of polymeric materials, or polymers in confinement is highly 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 at (kilbeysmii@ornl.gov).

How to Apply:

NOTE: Applications will be accepted until September 30, 2009 or until the position is filled.

Qualified applicants must 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/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).

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.