

Postdoctoral Research Associate in Synthesis and Characterization of Nanocrystals

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

ORNL09-44-CNMS

Project Description:

The Center for Nanophase Materials Sciences (CNMS) at Oak Ridge National Laboratory invites applications in the area of inorganic synthesis of nanomaterials for investigation of catalytic and other nanoscale functionality. The candidate will perform research in the Multiscale Functionality Group focusing on synthesis and characterization of nanocrystals with controlled morphologies through reverse micelle and other chemical methods. Group research centers on the interactions at multiple length and time scales that impact nanoscale functionality in complex systems. The CNMS (<http://cnms.ornl.gov/>) is a collaborative nanoscience user research facility established by the Office of Science, U.S. Department of Energy. It is equipped with a wide range of specialized tools for synthesis, characterization, and fabrication of novel nanoscale materials and assemblies, including the integration of hard and soft materials.

Qualifications:

We are seeking candidates with experience in inorganic synthesis and characterization of functional nanomaterials. This position requires a Ph.D. in chemistry or related field. Excellent oral and written communication skills are required, and presentations and publication of scientific results in peer-reviewed journals are expected. The candidate 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. All degree requirements must be completed before starting the appointment.

Technical Questions:

Questions regarding the position can be directed to Dr. Sheng Dai, dais@ornl.gov

How to Apply:

NOTE: Applications will be accepted until April 1, 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>. 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). The position is open to citizens or legal permanent residents of the US without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.