

**Postdoctoral Research Associate
in Electrochemical Nano-Synthesis**

**Materials Sciences and Technology Division
Oak Ridge National Laboratory
Oak Ridge, Tennessee**

ORNL10-27-MSTD

Project Description:

The Surface Processing and Mechanics Group in the Materials Science and Technology Division at Oak Ridge National Laboratory is seeking a post-doctoral research associate to work on synthesis of nanostructured materials based on electrochemical processes, particularly for photovoltaic and battery applications. The phenomena considered under study would include electrochemistry and nanostructure growth and evolution.

Qualifications:

A doctoral degree in materials science, chemistry, or related field. The candidate must have a strong background in electrochemical processing, such as electrodeposition and anodization, and nanostructural characterization. Knowledge in dye-sensitized solar cells or Li-ion batteries is a plus. Applicants cannot have received the most recent degree more than five years prior to the date of application appointment and must complete all degree requirements before starting their appointment.

Technical Questions:

Questions regarding the position can be directed to Jun Qu at qujn@ornl.gov. Please include the requisition number and title when corresponding.

How to Apply:

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). 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.