

# **Open Position Announcement**

## **for**

### **Postdoctoral Research Associate**

#### **Job Description**

A postdoctoral research associate position is available in the Physics Department at Washington University for immediate occupation. Primarily responsibilities are the design, construction and implementation of a novel electrostatic levitation facility that will be used for neutron studies of supercooled liquids (Neutron Electrostatic Levitation, or NESL, facility). When completed, NESL will allow unprecedented studies of the structure and dynamics of metallic liquids.

The successful candidate for this position will work with Professor Ken Kelton and two graduate students in his research group to construct the NESL. The facility will be constructed in the Physics Department at Washington University. The postdoctoral research associate will coordinate with members of Professor Alan Goldman's research group at Iowa State University, to integrate key subunits (for which they are responsible) into the NESL facility. When completed, the NESL facility will be installed at the Spallation Neutron Source for operation. During installation and testing the postdoctoral research associate will work with Dr. Xun-Li Wang (Leader of the Powder Diffraction Group at the SNS) and with members of Professor Takeshi Egami's research group (University of Tennessee).

#### **Qualifications**

A PhD in experimental physics, materials science, or a related area is required. Preference will be given to candidates with prior experience in instrument design and construction. An ability to work as a member of a team is essential.

#### **Salary**

This is a full-time position with paid vacation and fringe benefits. The salary will be \$40,000 to \$60,000 commensurate with education and experience

#### **Application**

Screening of applications will begin immediately. Interested persons should send a letter of application, current vita, description of experimental skills, and two letters of recommendation to:

**Prof. Ken Kelton**  
**Department of Physics, Campus Box 1105**  
**Washington University**  
**One Brookings Drive**  
**St. Louis, MO 63130**

[e-mail:kfk@wustl.edu](mailto:kfk@wustl.edu)

Washington University is an Equal Opportunity/Affirmative Action Employer and strongly encourages the applications of women and minorities for this position.