

# **Postdoctoral Research Associate for Neutron Scattering on CNCS Beam Line**

**Neutron Sciences Directorate  
Neutron Scattering Sciences Division  
Oak Ridge National Laboratory  
Oak Ridge, Tennessee**

**ORNL09-37-NSSD**

## **Project Description:**

Responsibilities include conducting independent research using neutron scattering as a primary research tool, mainly on CNCS (beam line 5), but also on other beam lines at SNS and at other neutron facilities.

## **MAJOR DUTIES/RESPONSIBILITIES:**

- Conceives and conducts independent and collaborative neutron scattering experiments at SNS.
- Travels to other neutron sources to perform neutron scattering experiments and analyze the experimental data.
- Publishes research results in scientific journals.
- Assists with the operation of the CNCS beam line at SNS.
- Maintains a strong commitment to the implementation and perpetuation of values and ethics.
- Ensures compliance with environment, safety, health and quality program requirements.

## **Qualifications:**

ORNL is seeking a post-doctoral researcher with demonstrated expertise in the area of scattering studies of condensed matter magnetism. Candidates with a recent Ph.D. in Physics, Chemistry, Materials Science, or related fields will be considered. Experiences and knowledge with inelastic time-of-flight instrument operation, data treatment, etc. on pulsed neutron sources are desirable, though not essential. Strong written and oral communication skills and the desire to work in a team environment on scientifically challenging problems are required. The successful candidate is expected to conduct independent research at the Spallation Neutron Source, the High Flux Isotope Reactor at Oak Ridge National Laboratory and other neutron scattering facilities around the world. Reports to the lead instrument scientist of CNCS. Works with other members in the Neutron Scattering Science Division and collaborates with scientists in Oak Ridge National Laboratory and other neutron scattering institutions.

## **Technical Questions:**

Contact Dr. George Ehlers at [ehlersg@ornl.gov](mailto:ehlersg@ornl.gov). Please reference the position title and number when corresponding about this position.

**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.

The postdoctoral position will be offered through the Oak Ridge Institute for Science and Education (ORISE) Oak Ridge National Laboratory Postdoctoral Research Associates program <http://www.ornl.gov/orise/edu/ornl/ornl-pd/ornlpdoc.htm>. These positions is open to all qualified candidates without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.