

Postdoctoral Research Associates in Neutron Scattering with Triple Axis Instrumentation

**Neutron Science Division, Triple Axis Group
Neutron Sciences Directorate
Oak Ridge National Laboratory
Oak Ridge, Tennessee**

ORNL08-107-NSSD

Project Description:

Conducts independent research using neutron scattering as a primary tool. Supports the neutron scattering users program on the HFIR triple-axis spectrometers. Works with the HFIR triple axis instrument scientist in the conduction of scientific research. Assist the HFIR triple axis instrument scientist to support the neutron scattering user program. Work with scientist at NSSD, ORNL and external institutions in the development and conduction of collaborative scientific research programs.

Major Duties/Responsibilities:

- Conducts independent scientific research using neutron scattering. The areas of research may include, but are not limited to, magnetism, strongly correlated electron systems, chemistry and materials science.
- Assists the NSSD Triple Axis instrument scientist in the operations of the triple-axis spectrometers.
- Acts, together with other NSSD instrument scientist, as local contact for the triple-axis spectrometers in the HFIR/SNS neutron scattering user program, supports the neutron scattering program and develops links with the neutron scattering user community
- Ensures compliance with environmental, safety, health, and quality program requirements including ISMS.
- Maintains a strong commitment to the implementation and perpetuation of laboratory values and ethics.

Qualifications:

Recent Ph.D. in any of the Physical Sciences. Strong background in hard condensed matter physics as evidenced by an outstanding record of publication in top peer-reviewed journals. Strong interpersonal, and written and oral communication skills. Desire to work in a team environment on technically challenging problems. Experience in inelastic neutron scattering is highly desirable.

How to Apply: (Interested candidates need to apply as soon as possible.)

Qualified applicants may 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>. Please reference the

position title and number, when corresponding about this position.

This appointment is offered through the ORNL Postdoctoral or Postmaster's Research Associates Program and is administered by Oak Ridge Associated Universities (ORAU). 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.