Opportunity Title: Neutron Scattering Graduate Research Opportunity - FY2023
Opportunity Reference Code: ORNL-GRO-NSCD-2022

Organization Oak Ridge National Laboratory (ORNL)

Reference Code ORNL-GRO-NSCD-2022

How to Apply Congratulations on your invitation to join the Neutron Scattering Graduation Research Opportunity at Oak Ridge National Laboratory (ORNL)! To continue to the next step, please click the "apply" button below. You will need to complete contact and educational information and upload a copy of your resume.

Description In FY 2023, the Neutron Sciences Directorate (NScD) at Oak Ridge National Laboratory (ORNL) is launching a pilot program that offers graduate students the opportunity to pursue collaborative research projects in a mentored environment with scientific experts at two of the Department of Energy's world-leading neutron sources, the High Flux Isotope Reactor (HFIR) and the Spallation Neutron Source (SNS).

Program Topics:

Selected participants will conduct research projects that utilize the neutron scattering user facilities at the High Flux Isotope Reactor and/or the Spallation Neutron Source, and will collaborate with mentors who are currently research staff in the ORNL Neutron Scattering Division. The research area is open as long as the use of neutron beam facilities is an important aspect of the problem to be addressed.

Program Details:

- On-site research experience should last from 3 to 12 months.
- Full-time participation (40 hours per week).
- Appointments will begin after October 17, 2022. Start dates are dependent on availability of funding and completion of all appointment contingencies.
- Appointments will end on or before September 30, 2023.
- Dates for individual appointments are flexible to maximize availability and use of the needed ORNL facilities and mesh with other requirements of the research project.

The students' stipends and benefits will be paid by their university while ORNL will provide a supplemental stipend for living costs (up to $3,600 per month) plus inbound/outbound travel reimbursement for participants that live more than 50 miles from ORNL (up to $2,000).

For more information contact: NSDStudents@ornl.gov

Qualifications The program will be open to graduate students from US-based universities admitted to PhD candidacy programs. Students will be required to apply jointly with their PhD supervisor and an

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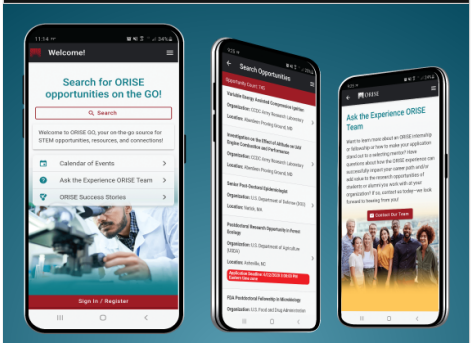

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ORNL Neutron Sciences staff member who also will serve as the student's scientific mentor.

Contingencies:

All awards and active participation in the program are contingent upon security access approval to ORNL, agreement with the Terms of Appointment, and completion of all contingencies in the offer letter. All contingencies of an appointment offer must be met before the applicant can begin an appointment.

- Students who are not U.S. citizens are subject to DOE clearance approval for laboratory access.
- Student participants are required to have coverage under a health insurance plan and must provide proof of such coverage. It is your responsibility to secure insurance coverage before arriving at the appointment site.
- Students must have formally satisfied all requirements for admission to Ph.D. candidacy at their current university.

During the Appointment:

Appointments require a commitment to the research program at ORNL. The participant's research must be conducted in a manner and according to a time schedule that meets the overall research needs of ORNL.

Deliverables:

Participants are required to present a closing technical talk summarizing their appointment research and submit a brief report as their appointment end date approaches.

Participants may also have the opportunity to write manuscripts and/or to join conferences, poster sessions, and other opportunities to present or publish their research.

Stipend:

Selected students are eligible to receive a monthly supplemental stipend of up to $3,600 for general living expenses while at ORNL during the award period. The actual monthly stipend amount will be based on an assessment of the individual's situation, with factors under consideration including, but not limited to: duration of proposed research, location of home residence, and concurrent federal funding (under normal circumstances, awardees will receive the maximum monthly stipend). **NOTE: There will be a delay after starting before you receive your fist stipend. You should be prepared to cover all personal expenses for the first 30 days of your appointment.**

Selected students are eligible to be reimbursed for their inbound and outbound travel expenses to ORNL. Students are eligible for

travel reimbursement only if their address is located more than 50 miles from ORNL. The reimbursement applies to transportation costs only (i.e. not other relocation costs) and is limited to a total travel benefit of up to $2,000 per award. In exceptional circumstances, if the stay at ORNL is scheduled as six months or longer, a visit to the home academic institution may also be reimbursable.

Travel:

- In-bound travel: refers to transportation from awardees' home graduate institution to ORNL at the beginning of the award term.
- Out-bound travel: refers to transportation from ORNL back to awardees' home graduate institution at the end of the award term.

NOTE: Public transportation options in the area around ORNL are limited. The travel reimbursement does not cover local rental cars. As a practical matter, students will be required to provide their own transportation while participating at ORNL.

To be eligible for this opportunity, you must:

- Be invited to apply to register based on selection following the previous application.
- Satisfy all of the other requirements as discussed above and in the program application.
- Have medical insurance for the duration of the appointment.

Eligibility Requirements

- **Degree:** Currently pursuing a Master's Degree or Doctoral Degree.
- **Academic Level(s):** Graduate Students.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Communications and Graphics Design** (2 👁)
  - **Computer, Information, and Data Sciences** (17 👁)
  - **Earth and Geosciences** (21 👁)
  - **Engineering** (27 👁)
  - **Environmental and Marine Sciences** (14 👁)
  - **Life Health and Medical Sciences** (48 👁)
  - **Mathematics and Statistics** (11 👁)
  - **Physics** (16 👁)
  - **Science & Engineering-related** (2 👁)
  - **Social and Behavioral Sciences** (28 👁)

Affirmation

I certify that I have been nominated for the Neutron Scattering Graduate Research Opportunity at ORNL and am currently pursuing or will pursue a graduate degree in a science,

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technology, engineering, or mathematics field at an accredited university.