



Postdoctoral Opportunities

Interested? We have several opportunities for you.

Delivering the next scientific and technological breakthroughs requires fresh minds with new ideas. You can be part of those successes at ORNL. Competitive appointments are offered to well-qualified candidates soon to receive their PhD or within 5 years of the date of their doctoral degree when they apply. Highly distinguished fellowships are also offered to upcoming and recent doctoral graduates with a significant record of accomplishment and who exhibit the potential for leadership. To apply for either appointment, see www.ornl.gov/ornl/careers.

ORNL is an equal opportunity employer. All qualified applicants, including individuals with disabilities and protected veterans, are encouraged to apply.

Visit ornl.gov/connect-with-ornl/for-academia



ORNL 2015-G00064/aas

Molecular dynamics simulation of confinement and dispersion of small molecules within carbon nanostructures.



Managed By UT-Battelle for the US Department of Energy



Mission of Oak Ridge National Laboratory

Deliver scientific discoveries and technical breakthroughs that will accelerate the development and deployment of solutions in clean energy and global security, and in doing so create economic opportunities for the nation.

World-Class Scientific Research Facilities

ORNL is the largest science and energy national laboratory in the US Department of Energy system and has six flagship research areas: clean energy, global security, advanced materials, computational sciences, neutron sciences, and nuclear science and engineering.



Together we can make a difference



Clean Energy

ORNL's clean energy research plays a pivotal role in America's energy future. As a postdoc, you'll work with scientists who are applying the knowledge they gain from such research to develop real-world solutions for energy security and protecting the environment.



Global Security

ORNL plays an important role in global security and uses its signature strengths to meet complex national security challenges such as nuclear nonproliferation, national defense, homeland protection, and the intelligence community. Sound intriguing? Postdoc opportunities are available in all of these areas.



Advanced Materials

ORNL has the nation's most comprehensive materials research program and is a world leader in research that supports the development of advanced materials for energy generation, storage, and use. Postdoc opportunities in advanced materials cover the whole spectrum of scientific disciplines and applications.



Computational Sciences

Have science or engineering questions that need some of the world's most powerful supercomputers? We've got them! Large-scale computing underpins many scientific disciplines at ORNL. As a postdoc working with our supercomputers, you may find yourself investigating materials science, plasma physics, astrophysics, biology, climate research, nuclear fission, computer science, or applied mathematics.



Neutron Science

ORNL is home to two of the world's most intense neutron sources. Neutrons provide unprecedented insight into the structure and properties of materials at the molecular level. As a neutron science postdoc, you could be working in almost any field where the structure of matter is studied.



Nuclear Science and Engineering

Nuclear research at ORNL includes both fission- and fusion-based work, and you'll be working with leaders in the field. Postdoc opportunities include research to improve human health; explore safer, more environmentally friendly power; support national security; and to better understand the very structure of matter.

ORNL Postdoctoral Association

The ORNL Postdoctoral Association (ORPA) will welcome you to ORNL and help you feel like an integral and valued member of the ORNL community. ORPA facilitates communication and information sharing across ORNL and creates opportunities for you to interact in formal and informal settings. ORPA will also help you and your family transition to East Tennessee by providing information on the region and by matching you up with more seasoned colleagues.



Research Symposium

An annual highlight of ORPA activities is the postdoc research symposium. The symposium showcases on-going projects from across the ORNL scientific and engineering research portfolio and provides an opportunity to network with other postdocs and staff from across the Laboratory.



The Postdoctoral Experience

ORNL wants you to succeed as a professional scientist or engineer. To help you reach your goals, ORNL provides a complete postdoctoral experience that includes working with and being mentored by world-class scientists, access to some of the world's most advanced scientific and engineering facilities, and participating in professional development opportunities that conform to national standards.

Development options include seminars, workshops, and individual coaching on a range of topics, including:

- Career planning
- Presentation skills
- Technical writing
- Networking
- Leadership skills
- Project budgeting
- Individual development planning



Our goal is to help you increase your effectiveness in current assignments and to use your experience as a launch pad for your career. Whether you choose to pursue a career at ORNL or seek opportunities elsewhere, working as a postdoc at ORNL is a great place to start.

ORNL is a sustaining member of the National Postdoc Association (NPA), which entitles our postdocs to individual NPA membership. For more information see www.nationalpostdoc.org.

