

Biology and Clean Energy Environment

Fusion and Fission

Isotopes

Materials

National Security

Neutron Science

Supercomputing

COVID-19 INFORMATION



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About Us

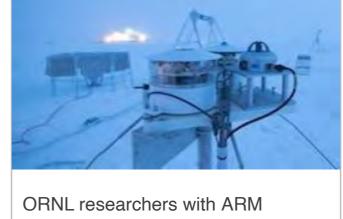
We apply expertise in advanced materials, supercomputing, neutrons, and nuclear science to national priorities in energy, security, and scientific discovery

Learn more



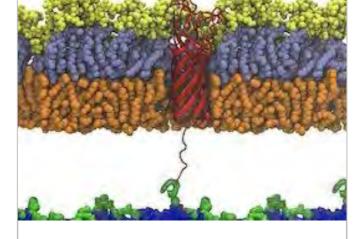
Securing the grid with quantum science

Got a few minutes? Listen to this
Soundbite from "The Sound of
Science" #podcast and learn how
ORNL is using #quantum technology
to make the #grid more secure.



Climate Research Facility have collected and published massive amounts of atmospheric data from the MOSAiC expedition to the Arctic that will improve climate models used to predict the planet's future.

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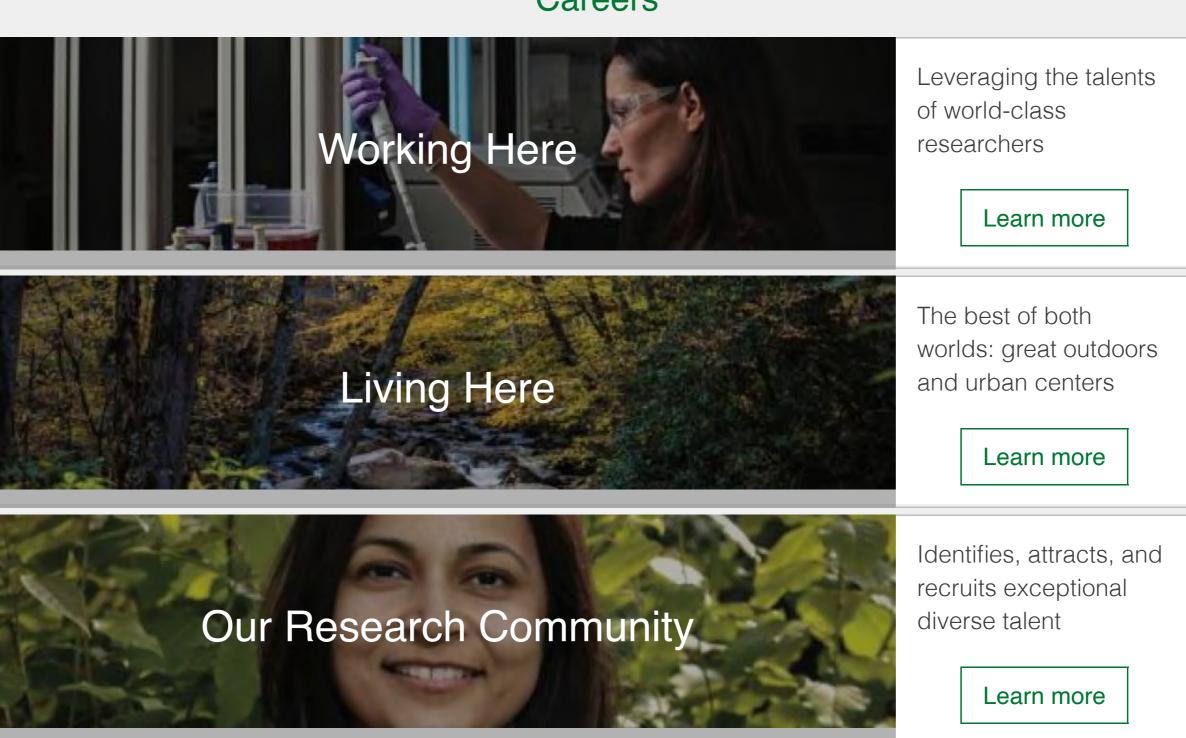


Using #supercomputing,
@ORNLBio_Env scientists
discovered how disease-causing
bacteria anchor their protective outer
membrane, which could lead to
strategies in combating deadly
pathogens that affect humans and
plants.



Careers

Y

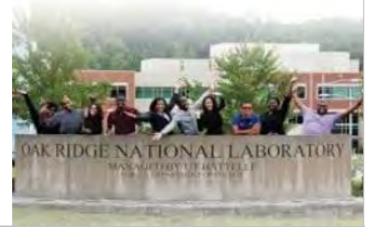


Partnerships

University

Develop the next generation of great scientists and engineers

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patents issued since 2005



3,200 visiting scientists annually



70
nationalities
represented in
ORNL's workforce



146 active licenses

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USER FACILITIES

Building Technologies Research and Integration Center Carbon Fiber Technology Facility Center for Nanophase Material Sciences Center for Structural Molecular Biology High Flux Isotope Reactor Manufacturing Demonstration Facility National Transportation Research Center Oak Ridge Leadership Computing Facility Spallation Neutron Source

SCIENCE & DISCOVERY

Biology and Environment
Clean Energy
Exascale Computing Project
Fusion and Fission
Hubs, Centers, and Institutes
Isotopes
Materials
National Security
Neutron Science
Supercomputing
US ITER
Scientific Divisions

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