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### *Mission*

We transform the world  
through courageous  
discovery and innovation.

### *Vision*

PNNL science and  
technology inspires and  
enables the world to live  
prosperously, safely,  
and securely.

## Associate Director for Microbiology

The Pacific Northwest National Laboratory (PNNL) seeks a senior scientist to lead a scientific research organization of approximately 20 staff members (comprising senior research project leaders, bench scientists and postdoctoral research associates) and to actively participate in the development and implementation of fundamental science research programs. Microbiology is a discipline that is central to the Department of Energy (DOE) Office of Science Programs in Bioenergy and Environmental Science. It is an integral component of the Biological Sciences Division at PNNL and its scientists actively interact with other research groups at PNNL in areas of Geochemistry, Computational Biology, Integrative Omics (proteomics and metabolomics), and Climate & Earth Systems Science. Furthermore, PNNL is planning and executing strategic internal investments in Biological Imaging, Quantitative Biology, and other areas of biology to strengthen and grow biological science at the laboratory. These activities will provide the successful candidate opportunities to shape the future directions of the Microbiology Group.



Responsibilities are split between managerial duties and contributions to peer-reviewed research.

We seek an individual who can provide leadership to advance microbiological and allied sciences at PNNL as well as provide excellent management of a productive and influential research organization.

The successful candidate will have a track record for interdisciplinary research, a strong publication record, and programmatic synergy with ongoing programs at PNNL. The ideal candidate will have expertise in scientific questions relating to environmental microbiology (broadly defined), familiarity with modern experimental techniques and tools in microbial physiology, molecular biology and ecology, and the capacity to interact with scientists who develop computational models that incorporate knowledge of complex systems. Topics of research focus should include, but not necessarily be limited to, primary DOE mission areas, particularly those sponsored by DOE's Office of Biological and Environmental Research (BER) in biofuels, contaminant fate and transport, and carbon cycling. Areas of desired scientific specialization include: microbial community ecology, carbon and element cycling dynamics, and microbial systems biology and biodesign.

Candidates are expected to establish themselves as independent principal investigators (PIs) through competitive proposals and/or lead tasks in large, multi-investigator scientific focus areas supported through the DOE's Office of Science, and to help mentor junior staff towards scientific excellence and self-sufficiency. Active collaboration with relevant research staff across Group and Division organizations in the Fundamental and Computational Science Directorate and in the Environmental Molecular Sciences Laboratory is essential.



U.S. DEPARTMENT OF  
**ENERGY**



## QUALIFICATIONS

- Ability to lead, manage and mentor staff effectively.
- Success at leading activities of teams to accomplish common goals.
- Strong communication skills.
- Experience at leading a complex effort requiring meeting targets within given budgets.
- Established research career, strong publication record, and reputation in area of expertise.
- Expertise in microbial community ecology, carbon and element cycling dynamics, and microbial systems biology and biodesign.
- Demonstrated ability to develop and lead groundbreaking scientific research.
- Demonstrated success in conceiving research programs and attracting funding for them.
- Knowledge of government programs, particularly the DOE but also National Institutes of Health, Department of Defense and Department of Homeland Security.
- Experience in managing projects and operating laboratory facilities.

## REQUIREMENTS

- Ph.D. in an area of microbiology with a minimum 10 years' experience. Outstanding reputation in the microbial science research, with a demonstrated ability to lead R&D programs as evidenced by a strong publication record.
- Ability to conduct high-quality, productive research in areas of importance to our DOE-, NIH-, DOD- and/or DHS-sponsored programs.

## ABOUT THE PACIFIC NORTHWEST NATIONAL LABORATORY

At the Pacific Northwest National Laboratory, our mission is to transform the world through courageous discovery and innovation. Our vision: PNNL science and technology inspires and enables the world to live prosperously, safely, and securely. Our values of integrity, creativity, collaboration, impact and courage provide the foundation for all we do. <http://www.pnnl.gov>

## ABOUT THE FUNDAMENTAL & COMPUTATIONAL SCIENCES DIRECTORATE

In the Fundamental & Computational Sciences Directorate at PNNL we advance scientific frontiers and provide national and international leadership in areas important to the U.S. Department of Energy (see links at left for more information). Research at PNNL is commonly performed by interdisciplinary teams and usually involves use of cutting-edge research tools. <http://www.pnnl.gov/science/>

### For more information, please contact:

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