

Opportunity Title: ORNL Evolutionary Microbiology Post-Bachelor's Research

Associate

Opportunity Reference Code: ORNL19-33-BSD

Organization Oak Ridge National Laboratory (ORNL)

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Description Oak Ridge National Laboratory (ORNL) is the largest U.S. Department of Energy (DOE) science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy and security.


The Michener Lab (<https://www.michenerlab.org/>) in the Biosciences Division at ORNL is seeking a Post-Bachelor's Research Associate to support research in environmental evolutionary microbiology. As part of the Mercury Science Focus Area (<https://www.esd.ornl.gov/programs/rsfa/>), the team is investigating how environmental conditions influence the effects of genetic perturbations in mercury-methylating bacteria. Working independently, the Research Associate will be responsible for growing anaerobic bacteria under a variety of conditions and then characterizing the cultures using high-throughput sequencing. Major duties/responsibilities will include carrying out experiments, collecting and interpreting the data, solving complex problems, and preparing written data summaries and related graphics.

Qualifications The candidate should have a bachelor's degree in biology, microbiology, genetics, or a related subject.

Preferred:

- Experience in anaerobic microbiology
- Purification, manipulation, and sequencing of DNA
- Excellent organizational skills, troubleshooting, and record keeping
- Demonstrated ability to work in a team environment

The ORNL Post-Bachelor's Research Associates Program is administered by Oak Ridge Associated Universities through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education (ORISE).

- Eligibility Requirements**
- **Degree:** Bachelor's Degree received within the last 36 months or currently pursuing.
 - **Discipline(s):**
 - **Life Health and Medical Sciences** ([3](#) )
 - **Age:** Must be 18 years of age

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