

# **Postdoctoral Associate in Environmental Microbial Ecology and Physiology**

## **Biosciences Division Oak Ridge National Laboratory Oak Ridge, Tennessee**

ORNL08-39-BSD

### **Project Description:**

A postdoctoral position is available in the [Biosciences Division](#) at [Oak Ridge National Laboratory](#) (ORNL) for an individual with training in environmental microbiology and microbial ecology. The successful candidate will be responsible for the following: (1) establish and characterize microbial consortia which are able to produce ethanol from cellulosic biomass; and (2) design and conduct experiments to isolate and characterize novel cellulolytic organisms from diverse environments using high-throughput cultivation methods. The successful candidate will join a multi-disciplinary team of investigators who apply advanced techniques to understand the physiology and ecology of microorganisms in support of US Dept. of Energy missions and will also interact with members of the [BioEnergy Science Center](#) (BESC) from other institutions. There will be opportunities to be involved in other projects within the BESC established at ORNL, which will use cutting-edge approaches (including single cell genomics, metagenomics, environmental proteomics and transcriptomics) to study and enhance biomass conversion into biofuels.

### **Qualifications:**

Candidates must have a Ph.D., broad training in microbiology and molecular biology and demonstrated ability to work independently as well as interact with others as part of a team. Expertise in the cultivation of anaerobic microorganisms is highly desired and experience with extremophiles is a plus. The ideal candidate will also have experience in biochemistry and comparative genomics.

### **How to Apply:**

Qualified applicants may apply online at [https://www2.ornl.gov/ORNL\\_POST/](https://www2.ornl.gov/ORNL_POST/). All applicants will need to register before they can begin the online application. For complete instructions, on how to apply, please see the instructions at <http://www.ornl.gov/orise/edu/ornl/ornl-pdpm/application.htm>. When corresponding to ORNL regarding this position, please reference the position title and number.

This appointment is offered through the ORNL Postdoctoral Research Associates Program and is administered by Oak Ridge Associated Universities (ORAU). This appointment is open to all qualified U.S. and non-U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.