

# **Postdoctoral Research Associate in Microbial Physiology/Functional Genomics**

**Bioenergy Science Center  
Biological and Environmental Sciences Directorate  
Oak Ridge National Laboratory  
Oak Ridge, Tennessee**

ORNL08-18-BESD

## **Project Description:**

A postdoctoral position is available immediately in the Bioenergy Science Center located at the Oak Ridge National Laboratory. The successful postdoc will apply, utilize, and develop novel methods for gene expression analysis, DNA polymorphism detection and transcriptional regulation in microorganisms such as *Clostridium thermocellum*. Existing techniques will include high-density micro arrays analysis and RNA profiling methods will be developed in the context of high-throughput de-novo sequencing (e.g. 454) approaches.

The successful candidate will join a multi-disciplinary team of investigators who apply advanced genomics-enabled techniques to understand the physiology and ecology of microorganisms in support of US DOE missions. There will be opportunities to be involved in other projects as part of the new Bioenergy Science Center, which will utilize a wide range of genomic approaches (including single cell genomics, metabolomics, metagenomics, and environmental proteomics) to develop new ways to convert biomass into biofuels.

## **Qualifications:**

The successful candidate must have a Ph.D. degree in microbiology, molecular biology, genetics, bioinformatics, or related field. Experience or knowledge is highly desirable in genomic database, use of statistical tools such as R, SAS and bioinformatics analysis tools such as JMP Genomics. Excellent analytical, problem solving, interpersonal skills required, outstanding written and verbal communication skills are requisite. Applicants cannot have received the most recent degree more than five years prior to the date of application and must complete all degree requirements before starting their appointment.

For additional technical information:

- Biological Science Center <http://bioenergycenter.org>
- Biological and Environmental Sciences Directorate  
<http://www.ornl.gov/sci/besd/index.shtml>

## **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 applying for this position, please reference the position title and number (ORNL08-18-BESD).

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. citizens who currently work in the U.S and are available for interview, without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.