

Postdoctoral Research Associate – Microbial Physiology/Comparative Genomics

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

ORNL07-77-BSD

Project Description:

A postdoctoral position is available in the Biosciences Division at Oak Ridge National Laboratory (ORNL) – <http://www.ornl.gov> – for an individual with training in microbial physiology and comparative genomics. The successful candidate will be responsible for designing and conducting experiments to establish laboratory microbial consortia of species with relevance for bioremediation and will use computational and experimental genomic approaches to study such consortia. 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 Dept. of Energy missions and will also interact with members of the Virtual Institute for Microbial Stress and Physiology (VIMMS) at other institutions around the country. There will be opportunities to be involved in other projects as part of the new Bioenergy Science Center established at ORNL, which will utilize a wide range of genomic approaches (including single cell genomics, metagenomics, environmental proteomics and transcriptomics) to develop new ways to convert biomass into biofuels.

Qualifications: Candidates must have a PhD, a broad training in microbiology and molecular biology and demonstrated ability to work independently as well as interact with others as part of the team. Expertise in the cultivation of anaerobic bacteria or archaea is highly desired and experience with extremophiles is a plus. The ideal candidate will also have good experience in comparative genomics and molecular phylogenetics and able to combine experimental and computational approaches in experimental design. 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.

How to Apply:

Qualified applicants may apply online at 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 (ORNL07-77-BSD).

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.