

# **Postdoctoral Research Associate Research on Ecosystem Responses in Climatic and Atmospheric Change**

## **Environmental Sciences Division Oak Ridge National Laboratory Oak Ridge, Tennessee**

ORNL10-63-ESD

### **Project Description:**

One or more postdoctoral positions are available in the Environmental Sciences Division of the Oak Ridge National Laboratory. The successful candidate(s) will join a multi-disciplinary team of investigators undertaking a broad, integrated field experimental study to assess the response of northern peatland ecosystems to increases in temperature and exposures to elevated atmospheric CO<sub>2</sub> concentrations.

### **Qualifications:**

The successful candidate will have a Ph.D. with experience in one or more of the following disciplines: plant physiological ecology, biogeochemistry, peatland hydrology, methane cycling in high-carbon ecosystems, or global change ecology in general. Prior experience with experimental field ecological research and associated laboratory analytical and measurement approaches (including stable isotopic approaches for the interpretation of biological processes and mechanisms) and an appreciation of data-model interactions is highly desirable. Ability to work as a part of a team and be comfortable in a multi-disciplinary environment is critical. The successful candidate(s) will have a proven record of turning research into high-quality journal publications. 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.

### **Additional Information:**

1. SPRUCE Experiment: <http://mnspruce.ornl.gov>
2. Environmental Sciences Division's Ecosystem Science Group: [http://www.esd.ornl.gov/ecosystem\\_science/index.shtml](http://www.esd.ornl.gov/ecosystem_science/index.shtml)
3. Biological and Environmental Sciences Directorate: <http://www.ornl.gov/sci/besd/index.shtml>

### **Technical Questions:**

Questions regarding the position can be directed to Paul Hanson, [hansonpi@ornl.gov](mailto:hansonpi@ornl.gov). Please include the requisition number and title when corresponding.

### **How to Apply:**

Qualified applicants must 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>.

This appointment is offered through the ORNL Postgraduate Research Participation Program and is administered by the Oak Ridge Institute for Science and Education (ORISE). The program 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.