

Postdoctoral Research Associate in Simulation of Surface and Subsurface Processes

**Environmental Sciences Division
Biological and Environmental Sciences Directorate
Oak Ridge National Laboratory
Oak Ridge, Tennessee**

ORNL09-121-ESD

Project Description:

The successful candidate will be expected to focus on the confluence of molecular-scale processes with field-scale behavior. This candidate will interact closely with a team of scientists performing research at multiple scales. The integration of above and below-ground systems is an essential component of those research initiatives. It is anticipated that this opportunity will include three one-year appointments for a total of three years.

Qualifications:

This position requires a Ph.D. in geochemistry, hydrology, geomicrobiology, soil science, computational science or a related discipline. The candidate must have the ability to work in a team environment and interact effectively with a broad range of colleagues. Based on the peer-reviewed publications and oral dissemination of scientific endeavor etc, candidates will also be evaluated the potential to achieve successful sponsor interactions and nationally recognized expertise in subsurface science in the future. Experience in developing and/or using advanced simulation tools in such integrative studies is essential, especially experience with HydroGeoChem and WASH123D codes is highly desirable.

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.

Technical Questions:

Questions regarding the position can be directed to David Watson at watsondb@ornl.gov

How to Apply:

Qualified applicants must 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.

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.