



Postdoctoral Research Associate Position
Nanofabrication Research Laboratory
Center for Nanophase Materials Sciences, Oak Ridge National Laboratory

ORNL11-105-CNMS

Project Description

The Nanofabrication Research Laboratory at the Center for Nanophase Materials Sciences (CNMS) at Oak Ridge National Laboratory is seeking a candidate for a postdoctoral research position at the interface of nanofabrication, microfluidics and biology. The successful candidate will help develop and validate nanostructured microfluidic platforms to facilitate control and sampling of the local microenvironment surrounding cultured cells. The candidate will be responsible for upholding the environmental, health and safety requirements for the laboratory, and will have involvement in the CNMS user program. The [CNMS](#) is a collaborative nanoscience user research facility established by the Office of Science, U.S. Department of Energy.

Qualifications

This position requires a Ph.D. in Chemistry, Chemical Engineering, Biophysics, Biomedical Engineering or a closely related field, and extensive experience in nanofabrication, microfluidics development and characterization, and fluorescence microscopy, preferably single-molecule fluorescence microscopy. Experience in cell culture, and cell molecular biology are also desirable. Excellent oral and written communication skills are required, and presentation and publication of scientific results in peer-reviewed journals are expected. The applicant must have good organizational skills, the ability to work in a team, and interact effectively with a broad range of colleagues. Demonstrated ability to communicate in English to an international scientific audience is essential. Applicants must have received their highest degree not more than five years prior to the date of application, and must complete all degree requirements before starting the appointment.

Technical Questions

For more information about this position, please contact Dr. Pat Collier (collierpc@ornl.gov). Applications will be accepted until the position is filled.

How to Apply

Qualified applicants may apply online at https://www2.ornl.gov/ORNL_POST/. All applicants will need to register before beginning the online application. For complete information 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). 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.