
Job Title	Post Doctorate Research Associate
PVN ID	RC-1605-001172
Category	Research
Location	CUNY-ADVANCED SCIENCE RESEARCH CENTER
Department	Environmental Sciences Initiative
Status	Full Time
Salary	Depends on qualifications
Hour(s) a Week	35
Closing Date	Aug 01, 2016 (Or Until Filled)

General Description

The City University of New York's newest facility, the Advanced Science Research Center (ASRC), boasts the success of the University's rich past, and the determination to become a national leader in visionary scientific research in the future. With a focus in the fields of Nanotechnology, Photonics, Structural Biology, Neuroscience, and Environmental Sciences, the ASRC will operate as a nucleus of a University-wide science enterprise, fostering the development of an integrated research network that brings together faculty, students, and post-doctoral fellows from CUNY's colleges across the five boroughs. This state-of-the-art facility houses a staff of elite scientists and leaders who will seek to break down the walls between disparate but increasingly inter-related disciplines of applied science. The Environmental Initiative of the ASRC occupies a full floor this six-story building is developing a state-of-the-art class Advanced Laboratory for Chemical and Isotopic Signatures as well as a nitrogen biogeochemistry laboratory.

Applications are invited for a post-doctoral research associate to work with Dr. Peter Groffman on Denitrification in agricultural and forest soils. This position is funded through a cooperative agreement with the USDA and a grant from the National Science Foundation and involves measurements of denitrification and associated microbial and soil variables in sites that are part of the USDA Long Term Agricultural Research network and as part of an ice storm manipulation project at the Hubbard Brook Long Term Ecological Research site in New Hampshire. The work will center on measurements of denitrification using a direct-flux approach available in Groffman's nitrogen biogeochemistry laboratory located at the Cary Institute of Ecosystem Studies in Millbrook, NY. The postdoc, who could be based at the CUNY Advanced Science Research Center in Manhattan or at the Cary Institute, will also have the opportunity to develop independent lines of research within the context of this project.

The position is funded for 12 months with the possibility of a further extension.

Other Duties

Duties include, but are not limited to:

- Conducts experimental field and laboratory research in the context of the projects described above.
- Develops and coordinates research objectives within their specific project, and contributes to the development of research objectives as part of the wider research program within the group, with guidance from the academic supervisor, as required.
- Collects, analyzes, and assures validity of data.
- Writes research findings for progress reports and publications, individually or in collaboration with colleagues, and disseminate results as appropriate in leading peer reviewed journal publications and presentation at national and international conferences.
- Collaborates with internal and external academic colleagues, and participates in knowledge exchange activities to establish research links with industry.
- Provides day-to-day supervision of undergraduate and graduate student projects, giving advice to students and supervising practical work.
- Conducts individual and/or collaborative research, and contributes to the development of new research methods and ideas, giving direction to the project.
- Adheres to standards for safety and hygiene and ethical conduct as defined by the University and relevant outside parties.
- Performs related duties as assigned.

Qualifications

Minimum Qualifications

Doctoral Degree in a related field and demonstrated research ability

Preferred Qualifications

The ideal candidate will possess the following knowledge, skills and professional competencies:

- A PhD in a relevant research areas (e.g., Ecology, Soil Science, Environmental Science) is essential
- A proven track record of peer reviewed publications in high quality journals
- Experience in ecosystem-scale research
- Expertise in microbial ecology, nitrogen cycling, or urban ecology
- Demonstrated expertise at working across and within disciplines
- Experience of supervising students at under-graduate and post-graduate level
- Publication of results in high quality journals
- Evidence of active conference participation
- A proven team player, able to collaborate and motivate successfully
- Ability to plan workload effectively
- Excellent interpersonal skills
- Confident and competent experimentalist
- Excellent verbal and written communication skills and the ability to work well independently or as part of a team