RESEARCH FOUNDATION CUNY

Careers at RFCUNY
Job Openings

Job Title	Post Doctorate Research Associate
PVN ID	RC-1605-001173
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 Multi-scale coupled natural human system dynamics of nitrogen in residential landscapes. This project is funded by a new grant from the National Science Foundation that addressed how biogeochemical, hydrologic and human behavioral processes interact to control nitrogen exports from residential ecosystems and landscapes. The work will include coordinating a series of field measurements of biogeochemical and hydrological processes and integrative analysis with scientists from other disciplines. The position will be based at the CUNY Advanced Science Research Center in Manhattan with regular travel to Baltimore for field work and project coordination activities and will include opportunities to develop independent lines of research within the context of the project.

The position is funded for 12 months with the possibility of 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