
Job Title	Research Associate - Riedo Group
PVN ID	RC-1610-001432
Category	Research
Location	CUNY-ADVANCED SCIENCE RESEARCH CENTER
Department	Nanoscience
Status	Full Time
Salary	Depends on qualifications
Hour(s) a Week	35
Closing Date	Dec 07, 2016 (Or Until Filled)

General Description

The City University of New York's newest facility, the CUNY Advanced Science Research Center (ASRC) builds on the success of the University's rich past with the goal of becoming a leader in visionary scientific research in the future. Focusing on the fields of Structural Biology, Nanotechnology, Photonics, 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, world-class facility will house a staff of elite scientists and leaders who will seek to break down the walls between disparate but increasingly interrelated disciplines of applied science. To learn more about the ASRC visit www.asrc.cuny.edu.

We are looking for a highly motivated, creative, and independent nanoscience researcher who is interested in interdisciplinary nanoscience with emphasis on nanolithography and atomic force microscopy. The research position is in the group of Prof. Elisa Riedo, picoforcelab.org located in the Advanced Science Research Center (ASRC) in Manhattan, NYC. This position is focused on the use of the *NanoFrazor*, the first *SwissLitho* system in a US academic institution. A close partnership with the company *SwissLitho* is envisaged, offering opportunities for travel in Switzerland and engaging in an industrial setting.

Other Duties

Responsibilities include, but are not limited to:

- Performs Atomic Force Microscopy (AFM) based research activities and nanofabrication independently under supervision of PI and assists with complex research activities.
- Accurately documents findings, progress and observations, and interprets results
- Assists in experimental design and method development

Qualifications

Core Competencies

- Creative, Independent, Motivated, and Solution oriented Researcher
- Hands-on Experience with AFM techniques and various clean-room lithography, deposition, etching and metrology techniques
- Strong communication skills and willing to interact and collaborate closely with internal and external researchers, engineers and technicians

Minimum qualifications

- PhD degree in Physics or Engineering from an accredited institution

Preferred Skills

Experience

- Experience in AFM/SPM and nanofabrication
- Expertise in an experimental area of nanomaterials and scanning probe microscopy.
- Demonstrated expertise at working across and within disciplines
- Experience of supervising students at UG and PG level
- Publication of results in high quality journals
- Evidence of active conference participation

Personal Attributes

- Excellent communication skills
- A proven team player, able to collaborate and motivate successfully
- Ability to plan workload effectively
- Excellent interpersonal skills
- Confident and competent experimentalist