



Job Title	RF-EMF Research Assistant
PVN ID	RC-2406-006307
Category	Research
Location	CUNY-ADVANCED SCIENCE RESEARCH CENTER
Department	Advanced Science Research Center
Status	Part Time
Hourly Rate	\$22.00-\$25.00
Hour(s) a Week	7.00-28.00
Closing Date	Aug 13, 2024 (Or Until Filled)

General Description

The Radio Frequency and Millimeter Wave Facility of the Photonics Initiative, and the NextGen Environmental Sensor Lab of the Environmental Sciences Initiative, have a joint project to measure and map out radio frequency electromagnetic fields (RF-EMF) across the five boroughs of NYC.

We are hiring two CUNY students to work in this project who are interested in learning the specifics of urban environmental monitoring and RF-EMF standards and exposure.

The project will be mindful of the students' academic responsibilities, and it will be the PIs' task to advance the project through the exam periods and other academic interruptions. The students will be requested to complete the total hours of their engagement by increasing the number of hours on the project during summer and other periods without classes.

Other Duties

Under direct supervision and instruction from the PIs, the RAs will be responsible for:

- Perform the field measurements of the project (initially with the PIs, then as a team, and finally as a pair)
- Establish the logistics of the measurements
- Develop of one of the measurement devices
- Perform data analysis and interpretation
- Keep individual records of project and measurements
- Manage the research materials of the project (instruments, data, logs)
- Participate in regular meetings with the team
- Present data and project progress to the team and to the larger ASRC community, as needed
- Collaborate with team members in an effective way
- Other duties as assigned

Qualifications

Requirements

- Currently enrolled in a CUNY school in a STEM program (or STEM adjacent) in a full time capacity
- Ability to travel around the city to perform measurements
- Ability to operate the measurement equipment
- Ability to keep log of the specifics of each measurement (time, date, location, duration)
- Ability to assist in the development of the novel device (hardware and firmware)
- Must be computer savvy and demonstrate interest in, and understanding of the technology
- Ability to do create and interpret descriptive statistics