
Job Title	Research Assistant of MALDI Imaging Core Facilities
PVN ID	RC-2212-005291
Category	Research
Location	CUNY-ADVANCED SCIENCE RESEARCH CENTER

Department

Status	Full Time
Annual Salary	\$40,000.00 - \$50,000.00
Hour(s) a Week	35
Closing Date	Feb 15, 2023 (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, in building a Center of Excellence for scientific research. With a focus in the fields of Nanoscience, Photonics, Structural Biology, Neuroscience, and Environmental Sciences, the ASRC operates as a center of development of an integrated research network that brings together faculty, students, and post-doctoral fellows to perform cutting-edge science. The goal is to educate trainees in becoming the new leaders of tomorrow, by providing growth in increasingly inter-related disciplines of applied science.

Applications are invited for an Imaging Facility Research Assistant position to join the Neuroscience Initiative & Structural Biology Initiative. Reporting to the Directors of Live MALDI Imaging Joint Core Facility, the Research Assistant will actively participate in important biomedical research of the cores using advanced MALDI imaging technologies, interact with users and collaborators, and be part of publishing scientific journal articles. The primary duties will involve performing the MALDI imaging experiments and related data analysis and assisting the core directors for daily operation in the imaging core facilities.

Other Duties

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Key responsibilities include, but are not limited to:

- Assists with the MALDI Imaging Joint Core Facility and Live Imaging&Bioenergetics Core Facility daily operation and ensures that the equipment is in optimal and proper working condition
- Performs routine cryosectioning, MALDI sample preparation. Skills in cryosectioning is highly preferred.
- Perform MALDI imaging experiment. Collects, analyzes, and assures validity of data under the supervision of MALDI Imaging Core Directors.
- Perform the sample preparation for MALDI imaging-related LC-MS experiment, analyze the LC-MS data to cross reference with MALDI imaging data.

Attend the meetings with users and collaborators, present the data in the meeting and national conferences.

- Operates and maintain all instrumentation in the two core facilities and assists with preventative maintenance and repairs as needed.
- Maintains inventory of supplies, equipment and/or reagents.
- Assists with ordering supplies/equipment/reagents as authorized or ensures that needs are escalated appropriately.
- Adheres to standards for safety and hygiene and ethical conduct as defined by the University and relevant outside parties.

Qualifications

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

- B.S. with minimum 1 years of laboratory experience in a related field such as biochemistry, biology or biomedical engineering.
- Additional experience with extensive bench lab work is preferred. Background in analytical chemistry, imaging is a plus.
- In-depth knowledge of the scientific principles, methods and processes (technical and/or theoretical) used to conduct scientific research-- including experimental design, methods of data collection and analysis, and interpreting and reporting results
- Demonstrated expertise at working across and within disciplines.
- 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