Job Title	Research technician
PVN ID	RC-2101-003819
Category	Research
Location	CUNY-ADVANCED SCIENCE RESEARCH CENTER
Department	Structural Biology Initiative
Status	Full Time
Salary	Depends on qualifications
Hour(s) a Week	35
Closing Date	Apr 30, 2021 (Or Until Filled)

General Description

Research Technician (New York)
New York, US

The Des Georges Lab
The Des Georges Lab studies the ligand response and allosteric modulation of two major classes of membrane proteins, ion channels and G-protein-coupled receptors, that play key roles in cardiovascular function. Our goal is to enable the rational design of drugs that modulate the function of those receptors precisely and open new avenues for the treatment of diseases of large societal impact.
We are building a hardworking and engaging culture, striving to study the structure and dynamics of membrane proteins with every possible tool in our molecular and structural biology toolbox, cryo-electron microscopy being the first one, and with a shared passion for exploring fundamental aspects of biology.
We are located at the CUNY Advanced Science Research Center, a highly collaborative and multidisciplinary environment in Manhattan, within 300 feet of the New York Structural Biology Center and ~10 minutes from Columbia University.

The Role
We are looking for a motivated Research Technician to help us explore the inner workings of membrane proteins and move our pursuit forward towards our end goal of shedding light on molecular mechanisms at the core of human physiology to help cure diseases of high societal impact.
As Research Technician in the Des Georges Lab, you would support our efforts in cloning, expressing and purifying novel medically-relevant membrane protein targets to be studied by cryo-electron microscopy or other structural methods.
Having enjoyed the thrill of scientific research in your studies and in great academic labs, you will join the Des Georges Lab to work collaboratively within and across research fields to develop solutions to fundamental questions in structural biology and physiology.

Responsibilities:

- Supporting research on biological and soft materials
- Maintaining and managing instrumentation and day-to-day lab operations
- Developing and improving training materials and lab procedures
- Training researchers in instrumentation and/or technical procedure
- Stocking lab with materials and tracking orders
- Organization of wet-lab and maintenance
- Report and present research findings and developments including status and results clearly and efficiently both internally and externally, verbally and in writing.
- Suggest and engage in team collaborations to meet ambitious research goals.
- Work with external collaborators and maintain relationships with relevant research labs and key individuals as appropriate.

Other Duties

Qualifications

About you
Minimum qualifications:

- Bachelor's degree in a technical field or equivalent practical experience.
- >1 yr research experience in a lab environment

Preferred qualifications and experience:

- Bachelor's degree in molecular biology, biochemistry or biophysics.
- Relevant experience to the position such as research technician roles, a proven track record of supporting laboratories in the areas of structural biology, molecular biology, biochemistry or related fields.
- Experience with molecular cloning, protein expression and purification.
- Experience with eukaryotic and mammalian cell culture
- Experience with biochemical or biophysical analyses
- Organization & communication skills
- Strong teamwork skills with a proven ability to effectively interact and collaborate with other scientific disciplines.
- Acute attention to detail.
- A real passion for biology

The position will be subject to annual approvals based on performance, with a starting salary commensurate with qualification and experience.
The Des Georges Lab is committed to hiring and developing top talent from around the world and all sections of society. We work to build an inclusive environment in which we can all do our best work, regardless of race,

religion or belief, ethnic or national origin, disability, sexual orientation, gender identity, pregnancy, maternity, or any other factor protected by applicable federal, state or local laws.