

Job Title	Postdoctoral fellow
PVN ID	CC-1904-003013
Category	Research
Location	The CITY COLLEGE of NEW YORK
Department	Chemistry and Biochemistry
Status	Full Time
Annual Salary	\$55,000.00 - \$57,500.00
Hour(s) a Week	35
Closing Date	Jun 01, 2019 (Or Until Filled)

General Description

The Khayat group, located in City College of New York, is seeking to hire a postdoctoral fellow or research associate for performing cryo-electron microscopy (cryo-EM) studies. Candidates should exhibit competency in data processing via publications in peer-reviewed journals.

The group works on a number of projects that include host-pathogen interaction (porcine circovirus 2, human papillomavirus, human parainfluenza virus, and outer membrane vesicles released by pathogenic gram-negative bacteria), ion channels, and macromolecular machines (ribosomes). The postdoctoral candidate will be responsible for performing the cryo-EM experiments and data analysis of the research group. Personnel in the research group or collaborators will provide samples for cryo-EM studies. This is a fantastic opportunity to master cryo-EM by concentrating on the microscopy aspect of the project rather than the sample preparation.

The group has access to a Titan Krios with a Falcon 3 and Gatan K2 Summit, a Titan Halo with phase plate technology and a Gatan K2 Summit, an FEI F20 with a DE20, a JEOL 2100F, a JEOL 2100, a Tecnai Spirit, a JEOL 1230, and two FEI Helios 650.

Candidates must have a Ph.D., be highly motivated, exhibit independence, and have experience with or be enthusiastic about mastering cryo-EM. Training will be provided. Computational skills are a necessity. The candidate is required to provide training to graduate students and future postdoctoral fellows. Salary will be competitive for the NYC area and be commensurate with experience and prior success.

New York City is a vibrant and eclectic city known for its exceptional culture, arts, fashion, food, nightlife, fast pace, and unparalleled energy. Please send all inquiries to rkhayat[at] ccny[dot]cuny[dot]edu.

CUNY is an EO/AA/ADA Employer (Equal Opportunity/Affirmative Action/Americans with Disabilities Act Employer)

Other Duties

Data processing using available software
Installation of additional software to use
Developing scripts for transferring data between multiple software
Presenting data to collaborators and researchers within the group
Documenting research activities
Providing training for other personnel in the group
Communicating research activities on a weekly basis
Collect data overnight –must be present during data collection

Qualifications

Independence and intellectual strength to drive project as evidenced by publications in peer-reviewed journals
Exercise intellectual leadership
Communicate effectively
Using command line interface in Linux or OS X
Writing scripts