

<b>Job Title</b>	Postdoctoral fellow
<b>PVN ID</b>	CC-1904-003013
<b>Category</b>	Research
<b>Location</b>	The CITY COLLEGE of NEW YORK
<b>Department</b>	Chemistry and Biochemistry
<b>Status</b>	Full Time
<b>Annual Salary</b>	\$55,000.00 - \$57,500.00
<b>Hour(s) a Week</b>	35
<b>Closing Date</b>	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](mailto:rkhayat@ccny.cuny.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

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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