

The Khayat group, located in New York City (Manhattan), is seeking to hire a postdoctoral fellow for performing cryo-electron microscopy (cryo-EM) and X-ray crystallography studies. We work on a number of projects that include host-pathogen interaction, membrane proteins, and macromolecular machines. Candidates should exhibit competency in X-ray crystallography and/or cryo-EM via publications in peer-reviewed journals.

The postdoctoral candidate will be responsible for characterizing the mechanism of capsid assembly and cellular entry by Porcine Circovirus 2 (PCV2). PCV2 is the smallest/simplest pathogenic virus known and thus defines the limits of biochemical information what constitute a virus. This is an NIH/NIAID funded project. Additional projects include structural characterization of membrane transport proteins.

The group has access to a Titan Krios with a Falcon 3, a JEOL 3200FSC with a DE20, a Tecnai F20, a JEOL 2100F with a K2 Summit, a JEOL 1230 and a 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. 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 a cover letter, CV, to [rkhayat@ccny.cuny.edu](mailto:rkhayat@ccny.cuny.edu).

Best wishes,  
Reza Khayat, PhD

