The Department of Biochemistry & Molecular Biology at the University of British Columbia in Vancouver, BC, Canada, seeks an electron cryo-microscopist full time Research Associate to help manage and work within a new macromolecular cryo-EM laboratory that will house a 200 kV Glacios and 300kV Titan Krios with direct electron detectors. The facility will enable research from existing users at UBC with established strengths in structural biology and cryo-EM as well as less expert users from across UBC and the province.

Job Duties: We are looking for a highly motivated candidate with demonstrated experience in all aspects of high resolution single particle (macromolecular) analysis methods, including grid preparation, data collection and image processing. As a research manager of the Krios laboratory, the successful candidate will care for instrumentation including ongoing monitoring of performance, troubleshooting and analysis of equipment-performance issues with oversight of scheduling of routine and one-of maintenance as needed. The applicant will also be responsible to train users, order consumables, track usage, bill users, prepare reports, and assist in writing proposals. He/she will meet with potential users, discuss projects, and help choose experimental approaches.

The successful candidate will be responsible to both train others to facilitate their data collection as well as receive samples and provide cryoEM sample grid preparation, data collection and image processing to remote users. Evening and weekend work may be necessary to take full advantage of the instruments and other duties as assigned.

The successful candidate will have a PhD degree in a discipline related field and should also have extensive knowledge of single particle cryoEM techniques/current software including all aspects of sample grid preparation, data collection, data processing and map generation; previous facility experience working with students, postdocs, and faculty in EM research and education, with excellent oral and written English communication skills an asset. Previous experience with high resolution (atomic to near-atomic) macromolecular model building, refinement and analysis also an asset. Applicants should provide a brief statement of relevant research experience in cryoEM. A CV and three references will be sent to the following by March 25, 2019.

Dr. Natalie Strynadka  
Dept of Biochemistry and Molecular Biology  
Faculty of Medicine  
University of British Columbia  
2350 Health Sciences Mall  
Vancouver, BC, Canada V6T 1Z3  
Email: bioc.sec@ubc.ca

Information on the UBC Department of Biochemistry & Molecular Biology can be found at www.biochem.ubc.ca. Initial two year appointments and start date will be June 21, 2019 and end date will be June 20, 2024, with the possibility of extension. Annual salary will be $100,000.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.