The Department of Biochemistry & Molecular Biology at the University of British Columbia invites applications for two Research Associate positions to operate and work within a high resolution macromolecular structural Hybrid methods laboratory, headed by Dr. Strynadka.

The successful candidate will have a PhD, significant experience and expertise in Xray crystallography and/or single particle cryoEM methodologies including sample preparation, data collection strategies and oversight, data analysis strategies and software; coordination of operation, repair and maintenance of the Xray diffraction equipment, crystallization robotics and other minor infrastructure for the user facility. The laboratory provides state of the art infrastructure including a Rigaku HyPix hybrid photon detector and high flux Xray generator and BIOSAXS unit, FEI 200 kV Glacios and 300kV Titan Krios cryoEM microscopes with Falcoln III direct electron detectors, and a full suite of further biophysical sample and data analysis capabilities.

The applicant should be highly self-motivated and demonstrate the ability to work independently, help conceive, initiate, organize, and manage research projects. Excellent verbal and written communication and interpersonal skills are a necessity, as well as the ability to work in a team environment. Strong management/mentoring skills are required. The applicant must have a strong research publication record and proven track record of collaborative research, and broad expertise in biochemistry and structural biology.

Specific responsibilities will include:

(a) Conducting research projects and/or facilitating the research projects of trainees using xray crystallography and/or single particle cryoEM methods including high purity protein production from recombinant and native strains and insect cells.

(b) Train undergraduate and graduate students and postdoctoral fellows in structural biology methods potentially including protein production, xray crystallization, xray diffraction data collection and processing, single particle cryoEM sample preparation and data collection strategies. Provide advice and assistance with subsequent data analysis as appropriate.

(c) Care for lab 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.

Please send your CV and names of two referees by January 31, 2019 to

Dr. Natalia Strynadka  
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Faculty of Medicine  
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Vancouver, B.C.  V6T 1Z3  
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Information on the UBC Department of Biochemistry & Molecular Biology can be found at www.biochem.ubc.ca. The positions are available starting February 11, 2019. This is a one-year appointment, subject to renewal based on performance. Salary will be commensurate with qualifications and experience.

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.