



Research Associate, Strynadka Lab
Department of Biochemistry & Molecular Biology
The University of British Columbia

Job Summary:

The Department of Biochemistry & Molecular Biology at the University of British Columbia will be hiring a Research Associate at 50% FTE to join the Dr. Natalie Strynadka Laboratory.

For more than fifty years, the Department of Biochemistry & Molecular Biology has played an active and important role at UBC and in the greater scientific community. The Department is home to approximately 90 research laboratories from fifteen Departments organized into nine research clusters, fostering a strong foundation for innovation and collaborations. All members of the Department maintain active, well-funded research programs that encompass many areas of modern biochemistry, and molecular and structural biology. The Department hosts an active Graduate program with more than 90 students and offers over fifteen undergraduate courses and laboratory courses for honours, major and minor Undergraduate programs.

The Department of Biochemistry & Molecular Biology is mainly located in the Life Science Institute (LSI) in Vancouver, BC. A number of research faculty, however, are dispersed at different locations, such as, Michael Smith Labs and BCCHR, and the teaching stream are based in the Biological Sciences Building at the Point Grey Campus. The Biological Sciences Building is a hub for Science Undergraduate teaching and students, housing a number of Departments such as the Departments of Biochemistry & Molecular Biology, Botany, Cellular & Physiological Sciences, and Zoology. All members of the Departments maintain their lab teaching activities at this new site.

Responsibilities will include but are not limited to the following:

- Working as part of an existing team in operation of the High Resolution Macromolecular Electron Microscopy general user facility (HRMEM) housed within the LSI at UBC.
- Responsible to help operate the 300 keV Titan Krios, 200 keV Glacios and Talos120 microscopes for users, including sample preparation, cryo-vitrification, clipping and loading, use of data collection and data analysis software (EPU, SerialEM, Relion, CryoSparc) working users to collect their cryoEM and negative stain EM data.
- Contributions to and oversight of routine maintenance duties of the facility are also expected.
- Training of general users of all levels of ability is expected.
- Contributions to academic and industry projects, including data processing, as needed.
- Use of iLab and oversight of billing and interaction with the billing clerk, ongoing interaction and communication with the ThermoFisher and SFR designate engineers on microscope repair and function.
- Organization and participation in occasional application specific visits are required.

Education/Work Experience:

- The candidate should have undertaken prior Ph.D and PDF work involving extensive use of cryo electron microscopy techniques including sample preparation, data collection and data analysis.
- The candidate should have a solid scientific and technical background in single particle cryo electron microscopy and cryo electron tomography with excellent written/oral communication, interpersonal and organizational skills.
- Preference will be given to candidates with a proven track record in performing cryo electron microscopy research on both purified macromolecules and whole cells. In addition preference will be given to candidates who have proven experience in collecting a wide variety of cryoEM and cryoET samples and in the training of non expert users in data collection and data processing.

Candidates interested must apply via the [UBC Careers website](#).

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As one of the world's leading universities, the University of British Columbia creates an exceptional learning environment that fosters global citizenship, advances a civil and sustainable society, and supports outstanding research to serve the people of British Columbia, Canada and the world.

UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply.

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.