



Research Associate, Duong Van Hoa 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 invites applications for a Research Associate at 100% FTE to join the Dr. Franck Duong Van Hoa 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:

Reporting to Dr. Franck Duong Van Hoa, Principal Investigator and Professor in the Department of Biochemistry & Molecular Biology, the successful candidate will be expected to employ the peptidisc to (1) profile the membrane proteome that is associated to the viral spike SARS-CoV2 cell envelope, and (2) develop nanobodies that can disrupt this essential cell surface antigen and possible interactions. The incumbent will be expected to master experimental skills to design and perform experiments in protein biochemistry and molecular cloning as well as proteomics analysis.

Education/Work Experience:

The successful candidate will be expected to have a Ph.D in the field of biochemistry and molecular biology and have previous years' experience as a Postdoctoral Research Fellow.

The successful candidate must also have the following:

- Previous experience with protein purification, molecular cloning, as well as phage or yeast display library screening.
- Proven project management, supervision and mentorship of graduate students and undergraduate students.
- Excellent communication skills including oral presentation at lab meetings and international conferences.
- Ability to work in a fast-paced and demanding team environment.
- Has the drive and enthusiasm to lead and work as a member of a team.

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

UBC - One of the World's Leading Universities

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.