



Tier 2 Canada Research Chair | Department of Pathology and Laboratory Medicine

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The Department of Pathology and Laboratory Medicine in the Faculty of Medicine invites internal applications for a **Tier 2 Canada Research Chair (CRC) in Statistical and Computational Biology**. As this is an internal search, applicants must already hold a full-time, tenure-stream appointment in the Department of Pathology and Laboratory Medicine at UBC. Applicants must be at the rank of Assistant or Associate Professor.

The UBC Department of Pathology and Laboratory Medicine at UBC is a hybrid, academically intensive Department within the UBC Faculty of Medicine whose activities span a broad spectrum of teaching, research, and academic service, often performed in the milieu of clinical practice, and are ultimately devoted to improving the care, treatment, and well-being of patients. The Department offers academic degrees at the bachelor's (Bachelor of Medical Laboratory Science (BMLSc) and graduate (MSc, PhD) levels with the graduate program, one of the largest in the Faculty of Medicine, which has been recognized by UBC for its quality. The Department plays a major role in the MD undergraduate program and offers an accredited residency-training program. Faculty members participate across a spectrum of research from basic investigative to translational to clinical applied research and are recognized locally, nationally and internationally for their excellence.

Tier 2 Chairs are intended for exceptional emerging scholars (i.e., candidates must have been an active researcher in their field for fewer than 10 years at the time of nomination) who (a) are excellent emerging world-class researchers who have demonstrated particular research creativity (b) have demonstrated the potential to achieve international recognition in their fields in the next five to ten years, and (c) have the potential to attract, develop and retain excellent trainees, students and future researchers. The chairholder must demonstrate an original, innovative, high quality research program. Chairs are tenable for five years and are renewable once. Applicants must meet the eligibility requirement for a Tier 2 CRC position. Normally, applicants for Tier 2 Chairs should be no more than 10 years from having earned their highest degree at the time of Chair nomination. Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process. Nominations are subject to review by the CRC Secretariat, and appointment as a Tier 2 CRC Chairholder is conditional upon their approval. Research interruptions caused by the COVID-19 pandemic (e.g., closures) are recognized as, and may be counted as, an eligible delay (credited at twice the amount of time) beginning March 1, 2020. Please consult the Canada Research Chairs website www.chairs.gc.ca for further eligibility details.

Reporting to the Head of the UBC Department of Pathology and Laboratory Medicine, the successful candidate will be expected to lead a productive, innovative, and internationally recognized research program in the area of Statistical and Computational Biology. As the Chairholder, the individual will be expected to engage in developing and applying machine learning and statistical methods to biomedical data arising from cancer genomics, single cell measurements including spatial methods, multi-omics data, clinical trials and data-intense biological technologies such as medical imaging and metabolomics, ideally with a focus on methods of causal inference, as well as catalyze synergies between investigators within the Department of Pathology and Laboratory Medicine, BC Cancer, and the UBC Department of Statistics. The appointee will also be expected to continue to participate in the teaching activities of the Department, as well as provide mentorship and training to undergraduate, graduate, and postgraduate learners.

The successful candidate will hold a PhD. If at the rank of Assistant Professor, the successful candidate must show evidence of ability in teaching, evidence of ability in scholarly activity, and service to the University and the broader academic and professional community. If at the rank of Associate Professor, the successful candidate must show evidence of successful teaching and ability to direct graduate students, evidence of sustained and productive scholarly activity, and participation in the affairs of the Department and the University. The successful candidate will

have demonstrated ability to engage in inclusive leadership practices, effectively communicate and interact with empathy, understanding and, respect of diverse and divergent perspectives and behaviours.

In UBC's Strategic Plan: Shaping UBC's Next Century, inclusion, innovation, and collaboration have been identified as our key themes. We welcome colleagues with the experiences and skills to contribute to our principles of inclusion, equity, and diversity throughout campus life. UBC welcomes and encourages applications from people with disabilities. Accommodations are available on request for all candidates taking part in all aspects of the selection process. To confidentially request accommodations, please contact Genevieve MacMillan at 604-822-7101 or genevieve.macmillan@ubc.ca.

Applications should include a letter outlining the applicant's research, teaching interests, and strengths; it should also speak to the applicant's experiences in increasing equity, diversity, and inclusion in previous institutional environment, in curriculum, and in supporting diverse students; a detailed curriculum vitae and the names of four references. **Applications should be directed to:**

Genevieve MacMillan
Director of Administration, UBC Department of Pathology and Laboratory Medicine
Email: genevieve.macmillan@ubc.ca
Subject Line: CRC Tier 2 in Statistical and Computational Biology Position

Review of applications will begin late **April 2022** with the goal to enter the October 2022 national CRC competition.

In assessing applications, UBC recognizes the legitimate impact that leaves (e.g., maternity leave, leave due to illness) can have on a candidate's record of research achievement. These leaves will be taken into careful consideration during the assessment process. In accordance with UBC's CRC Equity, Diversity, & Inclusion Action Plan [[https://academic.ubc.ca/sites/vpa.ubc.ca/files/documents/EDIAP - 13 DEC 2018 EE.pdf](https://academic.ubc.ca/sites/vpa.ubc.ca/files/documents/EDIAP_-_13_DEC_2018_EE.pdf)], and pursuant to Section 42 of the BC Human Rights code, the selection will be restricted to members of the following designated groups: persons with disabilities, Indigenous Peoples, women and gender minorities (transgender, gender-fluid, nonbinary and Two-Spirit people), and racialized minorities

Applicants to Canada Research Chair positions are asked to complete the equity survey (https://ubc.ca1.qualtrics.com/jfe/form/SV_6WJHol7SfPxRMu9) as part of the application, and candidates from these groups must self-identify as belonging to one or more of the designated equity groups to be considered for the position. Because the search is limited to those self-identifying as members of designated equity groups, candidates must also provide their name to be considered.

Personal information is collected under the authority of sections 26(a) and 26(c) of the BC *Freedom of Information and Protection of Privacy Act*. The information you provide will only be used to determine whether you qualify for participation in this hiring process. Data will be collected by the Equity & Inclusion Office and only the names of those who identify as women, visible minorities (member of groups that are racially categorized) and/or Indigenous peoples will be shared with the search committee. Currently, UBC has a gap in representation for people with disabilities. Until such time as this is remedied, the names of those self-identifying as having a disability will be provided separately to the search committee. Responses will be stored in a secure database.

Our Vision: To Transform Health for Everyone.

Ranked among the world's top medical schools with the fifth-largest MD enrollment in North America, the **UBC Faculty of Medicine** is a leader in both the science and the practice of medicine. Across British Columbia, more than 11,000 faculty and staff are training the next generation of doctors and health care professionals, making remarkable discoveries, and helping to create the pathways to better health for our communities at home and around the world.

The Faculty - comprised of approximately 2,200 administrative support, technical/research and management and professional staff, as well approximately 650 full-time academic and over 9,000 clinical faculty members - is composed of 19 academic basic science and/or clinical departments, three schools, and 24 research centres and institutes.

Together with its University and Health Authority partners, the Faculty delivers innovative programs and conducts research in the areas of health and life sciences. Faculty, staff and trainees are located at university campuses, clinical academic campuses in hospital settings and other regionally based centres across the province.

The University is also committed to creating and maintaining an inclusive and equitable work environment for all members of its workforce, and in particular, for its employees with disabilities. An inclusive work environment for employees with disabilities presumes an environment where differences are accepted, recognized and integrated into current structures, planning and decision-making modes. For contact information regarding UBC's accommodation and access to policies and resources, please visit the Centre for Accessibility website at: <https://facultystaff.students.ubc.ca/student-engagement/centre-accessibility/faculty-and-staff-disabilities>.

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.

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