THE UNIVERSITY OF BRITISH COLUMBIA

Faculty of Medicine

CAREER OPPORTUNITY

Assistant or Associate Professor (Tenure Track) | Department of Pathology and Laboratory Medicine | Department of Statistics| BC Cancer Research

The Department of Pathology and Laboratory Medicine and the Department of Statistics at the University of British Columbia (UBC), in conjunction with BC Cancer Research, invite applications from accomplished investigators for a full time faculty position at the rank of Assistant or Associate Professor, tenure track. The successful applicant will also hold a concurrent appointment as an Investigator within BC Cancer.

The 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.

The Department of Statistics is a leading centre for statistical science research in North America. Faculty members excel in both theory and methods research and have numerous collaborative research programs with domain-area scientists, many of them health related. Current joint appointments include those with BC Children's Hospital Research Institute and the Department of Medical Genetics. The Department is home to the Applied Statistics and Data Science Group, which supports research and training both inside and outside the department. The Department also hosts vibrant graduate programs, with around 45 M.Sc. and Ph.D. students, including a Biostatistics focus option for the M.Sc. in collaboration with the UBC's School of Population and Public Health. In cooperation with the Department of Computer Science, it also offers a Master of Data Science.

At UBC and BC Cancer, the successful candidate will have opportunities to collaborate with a large and diverse community of basic scientists and clinicians. BC Cancer Research houses 65 Principal Investigators (PI) and a diverse range of activities from basic sciences to clinical trials. The successful candidate will have opportunity to associate with the research groups of Dr. Alex Bouchard Coté (Statistics), Dr. Andrew Roth (Pathology and Laboratory Medicine & Computer Science), Professors Samuel Aparicio (Pathology and Laboratory Medicine & BC Cancer), Marco Marra (Medical Genetics & BC Cancer) and David Huntsman (Pathology and Laboratory Medicine & BC Cancer). These groups, bridging leading edge research in statistics, computer science and genomics, are advancing the use of multi-modal data in cancer including leading edge development of single cell tissue measurements (http://molonc.bccrc.ca/). The program goals include integration of imaging and molecular measurements with clinical outcomes in statistical high dimensions. The successful candidate will be supported with appropriate space, access to relevant research platforms and a commensurate research support start-up award.

The ideal candidate will have an expertise in the area of Statistics and Cancer Biology and will be expected to develop an independent research program. They will also be expected to engage in developing and applying statistical methods to biomedical data arising from cancer genomics, single cell biology, multi-omics data, clinical trials, clinical and administrative databases and data-intense biological technologies such as medical imaging and metabolomics; and catalyze synergies between investigators within the Department of Pathology and Laboratory Medicine, BC Cancer, and the Department of Statistics.

The successful candidate will hold a PhD with postdoctoral research experience in Statistics, Biostatistics, Computer Science or a related field. As the position will be jointly associated with the Department of Pathology and Laboratory Medicine and the Department of Statistics, the successful applicant will be expected to be a collaboratively spirited and engaged colleague who contributes to educational programs of the Departments and directly participates in the affairs of the Departments, the University, and the Community. The successful candidate is required to have exceptional interpersonal and communication skills, and have demonstrated evidence of successful teaching, supervision and mentorship of students and trainees at all levels. The candidate will also have a strong record of research productivity, commensurate with their experience, and will have demonstrated sustained and productive scholarly activity.

The appropriate rank will be determined based on qualifications and experience. Interested applicants should submit an application package consisting of a letter of application, and 2 page research statement, accompanied by a detailed curriculum vitae and names and contact information of three referees (if at the rank of Assistant Professor) or four referees (all at arm's length if at the rank of Associate Professor) to:

Dr. Donald E. Brooks, Professor and Interim Head
UBC Department of Pathology and Laboratory Medicine
c/o Aileen To, Director, Human Resources and Administration
G105 – 2211 Wesbrook Mall
Vancouver, BC V6T 2B5
Email: aileen.to@pathology.ubc.ca
Subject Line: Computational Cancer

Review of applications will begin March 1, 2019 and continue until the position is filled. The expected start date for this position is September 1, 2019 or upon a date to be mutually agreed.

The University of British Columbia is a global centre for research and teaching, consistently ranked among the top 20 public universities in the world and 3rd largest university in Canada with an economic impact of 12.5 billion to the provincial economy. Since 1915, UBC's West Coast spirit has embraced innovation and challenged the status quo. Its entrepreneurial perspective encourages students, staff and faculty to challenge convention, lead discovery and explore new ways of learning. At UBC, bold thinking is given a place to develop into ideas that can change the world. 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.

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.