RESEARCH ASSOCIATE JOB DESCRIPTION

Job Summary:
The Department of Cellular & Physiological Sciences at the University of British Columbia invites applications for a Research Associate at 100% FTE to join the laboratory of Dr. Michael Underhill.

The Department of Cellular and Physiological Sciences does world-class research aimed at understanding the fundamental workings of cells and organisms in an effort to identify the underlying causes of human diseases. The Department’s research is diverse, with Investigators working in a wide range of the leading invertebrate and vertebrate model systems and using biochemical, molecular genetic, cellular and physiological approaches. The Department has particular strengths in neuroscience, endocrinology, development and cancer. The robust collaborative spirit between the Department’s Investigators drives increasingly multidisciplinary research programs in each laboratory. This includes the incorporation of the latest technologies in molecular biology, genetics, next-generation genomics, proteomics, bioinformatics, and genetically-engineered animal models to complement our expertise in cell biological and physiology. The research in the Department is also strengthened by our use of advanced imaging capabilities that includes EM, super-resolution, 2-photon, live-cell and high-throughput microscopy. Research in the Department of Cellular and Physiological Sciences is providing insight into the fundamental biological processes and pathologies that lie behind many diseases, including cancer, Alzheimer’s, diabetes, heart disease, and stroke, to name just a few.

Key tasks of the candidate will include the following:
Duties will include characterizing the fate and function of mesenchymal progenitors in in vitro and in vivo models of tissue regeneration, fibrosis and cancer. Duties will also include the ability to analyze single cell omics. The successful candidate will assist in coaching junior laboratory staff in laboratory practices and operational details as required. They will also be expected to write papers in scientific journals and attend scientific meetings. All duties and responsibilities shall be carried out under the direction of the supervisor. Performance of assigned duties and responsibilities shall be subject to evaluation by the supervisor, Dr. Michael Underhill.

Education/Work Experience:
The successful candidate will hold a Ph.D. degree in Cell Biology and/or a related discipline. Applicants will have five years of post-doctoral training with a demonstrated track record of publication in the field of liver and/or fibroblast biology or in a related discipline.

Skills:
The applicant will have a strong skill set in molecular and cellular biological procedures, in addition to the ability to work with a variety of animal models involving tissue regeneration, cancer and fibrosis. The applicant will also have bioinformatics expertise and the ability to both
generate (from \textit{in vitro} and \textit{in vivo} models) and analyze single cell omics datasets. The applicant will also have strong communication skills and the ability to prepare grants, manuscripts and present their results at conferences.

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.