

Job ID:	00034449 (position #)
Location:	Vancouver – Point Grey
Employment Group:	Faculty (Fac Assn)
Classification Title	Professor (tenure)
Business Title:	Professor (tenure) – Tier 1 Canada Research Chair
Faculty:	Faculty of Applied Science
Department:	Electrical & Computer Engineering
Desired Start Date:	01/01/2019
Closing Date:	05/01/2018

The University of British Columbia (UBC), Vancouver campus, is seeking an internationally recognized leader in quantitative medical and biological imaging for a new Tier 1 Canada Research Chair (CRC) position. This position will be jointly held in the Department of Electrical and Computer Engineering and the Department of Urologic Sciences, with a possible joint appointment in the new UBC School of Biomedical Engineering. The Chair position is expected to be an appointment at the rank of Professor.

We are seeking candidates with extensive expertise in computational extraction of image-based features and quantitative analysis of imaging data of varying scales including molecular, cellular, tissue and organ imaging (including imaging genetics). Research areas of interest include, but are not limited to, image acquisition, data analysis (particularly artificial intelligence and machine learning approaches), data modeling and visualization, and the application of these technologies to both fundamental and applied clinical questions. The successful candidate would be expected to drive the use of such image-derived metrics, models, technologies and algorithms to improve medical diagnostic, prognostic and theranostic research, and aid in treatment planning and prediction of therapeutic response and disease outcome.

The Chair holder is expected to be an outstanding researcher acknowledged as a world leader in the field, and to have a track record fostering collaborative and interdisciplinary research. The Chair holder will articulate a strategic plan for developing an exemplary research program that complements ongoing research programs at UBC and engages with local, national, and international research networks. The Chair holder is expected to play an active role in collaborating with the diverse group of researchers in quantitative medical and biological imaging in these institutions and local industry, in particular in areas related to the urologic sciences. The goal is to increase UBC's visibility and research capability in quantitative medical and biological imaging by leveraging the strength of existing research programs.

Applicants for the Chair position must be a full professor (or equivalent) in the applied or natural sciences with a proven academic record, and must also have demonstrated excellence in teaching. They must either be registered or be eligible to register, with Engineers and Geoscientists British Columbia (<https://www.egbc.ca>). The Chair holder will have reduced teaching responsibilities but will be expected to participate in undergraduate and graduate teaching activities and to provide service within their academic units, at the University, and to both the academic and broader community.

The Department of Electrical and Computer Engineering in the Faculty of Applied Science has 54 faculty members, including two Tier I CRCs and 4 Tier II CRCs, with approximately 20 members performing research in areas related to biomedical technologies. The Department is one of the largest academic units on campus, with approximately 400 graduate students and 1,000 undergraduate students currently enrolled in our programs. It has strengths in research areas related to the Chair

More information can be found at:

CRC: www.chairs.gc.ca

Electrical and Computer Engineering: www.ece.ubc.ca

University of British Columbia: www.ubc.ca

British Columbia: www.hellobc.com