

The Department of Physiology and the Donnelly Centre for Cellular and Biomolecular Research invite applications for a tenure-stream appointment at the rank of Professor, with an effective start date of the appointment is January 1, 2019 or shortly thereafter. The successful candidate will be considered immediately for tenure and for appointment as the James B. Basingthwaight Chair in Integrative Physiology, a new endowed Chair position at the University of Toronto. The appointment as Chair will be for an initial 5-year term, renewable following a favorable review.

The successful candidate will be jointly appointed as a faculty member of the Department of Physiology (51%) and the Donnelly Centre for Cellular and Biomolecular Research (49%), where the lab will be located to facilitate interactions with computer scientists, bioengineers and systems biologists. Candidates for the Chair must have a PhD or PhD/MD degree(s), and an established exceptional track record as a leader in quantitative and integrative biology.

We seek an outstanding individual to lead a team to work on the “Physiome” of a human or other organism where the physiome is defined as the quantitative, integrated mathematical description of an organism’s structure and functional performance in health or disease. Although the appointment could be within any area of physiology/quantitative biology, we are particularly keen to appoint within the area of regenerative medicine, where the appointee would also become a member of the “Medicine by Design” program at the University of Toronto.

Candidates must have an outstanding international reputation in their field as evidenced principally by the quality of their publications, a record of sustained high-impact contributions and publications in top-ranked and field-relevant internationally recognized journals, presentations at significant conferences, awards and accolades, strong endorsements by referees of high international standing, and a demonstrated ability to attract substantial external funding. Additionally, candidates must demonstrate teaching excellence at both the undergraduate and graduate program levels and significant experience as an effective mentor/supervisor to successful trainees. Evidence of excellent teaching will be demonstrated through teaching accomplishments (including supervision of graduate students), strong letters of reference and a statement of teaching philosophy.

The successful candidate is expected to pursue innovative research at the highest international level; to maintain and lead a strong, independent, externally funded research program; to have a strong demonstrated commitment to undergraduate and graduate teaching; and to participate actively in both the Department of Physiology and the Donnelly Centre.

State-of-the-art research space will be provided in the Donnelly Centre, which is in the heart of downtown Toronto on the University of Toronto, St. George campus.

The Donnelly Centre is an interdisciplinary research institute at the University of Toronto with the mandate to create a research environment that encourages integration of biology, computer science, engineering and chemistry, and that spans leading areas of biomedical research (<http://www.thedonnellycentre.utoronto.ca>).

The Department of Physiology (www.physiology.utoronto.ca) has a long and illustrious past in research and education including the discovery of insulin. Present day Physiology is an internationally top ranked department with particular research strengths in endocrinology

(including of course diabetes), reproduction & development, cardiovascular & respiratory research and neuroscience.

Medicine by Design (<http://www.mbd.utoronto.ca>) harnesses the exceptional expertise at the University of Toronto and its affiliated hospitals at the convergence of physical and life sciences, engineering, mathematics and medicine to undertake transformative research in regenerative medicine and cell therapy. Medicine by Design is made possible in part due to a \$114-million grant from the CFREF.

Toronto is a vibrant and cosmopolitan city, one of the most desirable in the world in which to work and live, and a major centre for advanced computer, medical and biological technologies. The University of Toronto has one of the most concentrated biomedical research communities in the world, including 10 academic hospitals/research institutes that are all fully affiliated with the University. This community attracts more than \$800M in annual research investment.

Salary will be commensurate with the qualifications and experience of the successful candidate.

Qualified candidates are invited to apply by clicking the link below. Applicants should submit a single PDF that includes (in order): 1) a cover letter; 2) a curriculum vitae; 3) a statement of current and long-term research interests (three to five pages); and 4) a statement of teaching philosophy (one page). Submission guidelines can be found at <http://uoft.me/how-to-apply>.

Applicants must also arrange for three letters of reference sent directly by the referee via email (on letterhead and signed) to Physiology.Chair@utoronto.ca.

Review of applications will begin on October 15, 2018 and applicants should endeavor to have all materials submitted by then; however, applications will be accepted until the position is filled. If you have questions about this position, please contact Graham Collingridge at Physiology.Chair@utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.