Associate Professor/Professor – Cardiovascular Systems Biology

The Institute of Biomaterials & Biomedical Engineering (https://ibbme.utoronto.ca/) at the University of Toronto invites applications for a full-time tenure-stream appointment in the area of Cardiovascular Systems Biology. The appointment will be at the rank of Associate Professor or Professor. The successful candidate may also be eligible to be named The Ted Rogers Chair in Cardiovascular Systems Biology (details below). The expected start date is July 1, 2019, or shortly thereafter.

Candidates are expected to demonstrate outstanding research in systems biology and/or data science with applications to cardiovascular biology, medicine, and/or health outcomes. Topic areas of interest include, but are not limited to: genomics, epigenomics, transcriptomics, proteomics and metabolomics, bioinformatics, artificial intelligence application in biological and health science, data linkage, and risk prediction modeling.

Applicants must have a Ph.D. degree in the area of biomedical engineering, computer science, bioinformatics, or another relevant field; clearly demonstrate an outstanding record of excellence in research and teaching; and have experience teaching both undergraduate and graduate courses.

Excellence in research will be demonstrated by a record of sustained, high-impact contributions to the field; publications in top ranked, internationally recognized, and field relevant academic journals; presentations at significant conferences; distinguished awards and accolades; other noteworthy activities that contribute to the visibility and prominence of the discipline; and strong endorsements by referees of the highest international stature. The successful candidate will be expected to maintain and lead an innovative, independent, and externally funded research program of the highest international calibre. Evidence for excellence in teaching will be provided through teaching accomplishments and accolades, strong letters of reference, and a teaching dossier including a reflective teaching statement, sample course materials, and teaching evaluations, submitted as part of the application. Eligibility to register as a Professional Engineer in Ontario is desirable.

Outstanding candidates with demonstrated excellence in systems biology relevant to heart failure and cardiovascular science will be considered for the Ted Rogers Chair in Cardiovascular Systems Biology within The Ted Rogers Centre for Heart Research (TRCHR) Translational Biology and Engineering Program. A track record of collaborative science, successful program building, research productivity and excellence, and effective leadership, demonstrated through the application materials, is essential. Through research and scholarly activities, the Chair holder will position the TRCHR as a global leader in knowledge and technology generation and translation in the area of systems biology related to heart failure. The Chair is one of eight being created in TRCHR, and is enabled by a fund of $4.8M consisting of a $3M endowment and $1.8M expendable funds. The term of the Chair is five years, with opportunity for renewal.

Candidates will be part of the Ted Rogers Centre for Heart Research (TRCHR) (see below), and may be considered for cross-appointment in appropriate partner departments at UofT, which may include Cell and Systems Biology, Computer Science, and others within the Faculties of Applied Science and Engineering, Medicine, Arts and Science, and the Toronto Academic Health Sciences Network. The University of Toronto has one of the most concentrated biomedical research communities in the world, including the newly established Vector Institute dedicated to the field of artificial intelligence.

The Institute of Biomaterials & Biomedical Engineering (IBBME) at the University of Toronto is a multidisciplinary research community where engineering, medicine and dentistry investigators collaborate to develop innovative solutions that address global challenges in human health. More information is available at https://ibbme.utoronto.ca/.

The Ted Rogers Centre for Heart Research (https://tedrogersresearch.ca/) is a unique research institute focused on heart failure across the lifespan that was enabled by a magnificent gift of $129.5 million from The Rogers Foundation, and matching contributions from the three founding partners, Hospital for Sick Children, University Health Network, and UofT.

Salary and rank will be commensurate with qualifications and experience.

Review of application will begin on February 4, 2019, and to ensure full consideration applicants should endeavor to have all materials including reference letters submitted by then, however applications will be considered until the position is filled.

All qualified candidates are invited to apply by clicking https://utoronto.taleo.net/careersection/10050/jobdetail.ftl?job=1805334&tz=GMT-05%3A00. Applications must be submitted online. For further information about the application process, please see the submission guidelines at http://uoft.me/how-to-apply. If you have questions about the position, please contact references.ibbme@utoronto.ca.

Applications must include a C.V. with a list of publications, research statement, three sample articles, a teaching dossier (including a teaching statement, sample course materials, and teaching evaluations), and cover letter. Candidates must also arrange to have three letters of reference (on letterhead, signed, and scanned) sent directly by referees to Professor Warren Chan via email at references.ibbme@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.