

Tier 2 Canada Research Chair in Biomedical Computing and Informatics

The School of Computing, Faculty of Arts and Science and the Department of Biomedical and Molecular Sciences, Faculty of Health Sciences at Queen's University invite applications for a joint tenure-track faculty position as a Tier 2 Canada Research Chair in Biomedical Computing and Informatics, with a preferred starting date of July 1, 2019. The appointment will be at the rank of Assistant or Associate Professor, depending upon the level of experience of the successful candidate. This position is subject to final budgetary approval by the University.

Candidates must hold a PhD degree. The successful candidate will have a background in computer science, though consideration will be given to those with equivalent training and demonstrable abilities and focus in bioinformatics, computational biology, and/or biomedical data science. The ideal candidate will demonstrate that they are an outstanding scientist and educator with passion, energy, and a strong vision for innovative research in biomedical computing. The preferred candidate must demonstrate comprehensive expertise in one or more of the following areas of biomedical computing specializations: Bioinformatics, Biomedical Data Analytics, Physiological Modeling and Analytics, Medical Imaging, Feature Extraction and Classification and Applications of Machine Learning on Biomedical Data. Evidence of clinical health research collaborations or strong potential/ability to attract clinical health collaborative initiatives is an asset.

The preferred candidate must have a distinguished record of accomplishment in discovery and innovative research, and an ability to collaborate with colleagues in the School of Computing and Department of Biomedical and Molecular Sciences, as well as with other scientists and clinical researchers at Queen's University. The successful candidate is expected to be part of a Queen's-wide Data Sciences cluster involving the Faculty of Arts and Science, the Faculty of Engineering and Applied Science, the Faculty of Health Sciences and the Smith School of Business. The candidate will also be involved in the planned Queen's Data Analytics Institute with excellent opportunities for funding and collaboration.

As part of the submitted application, the successful candidate will: (i) provide evidence of high-quality scholarly output that demonstrates potential for independent research leading to peer-assessed publications and an externally-funded world-class research program; and (ii) demonstrate strong potential to make outstanding teaching contributions at both the undergraduate and graduate levels and an ongoing commitment to academic and pedagogical excellence in support of the Departments' programs. Applicants will be expected to provide evidence of an ability to work collaboratively in an interdisciplinary and student-centered environment. The successful applicant will be strongly encouraged to apply for external funding to support the supervision and training of students and other highly qualified personnel.

Queen's University is host to numerous research centres and research groups, housing scientists with research interests that will complement the successful applicant. These include the Human Mobility Research Centre (HMRC Queen's Chronic Pain Clinic at Hotel-Dieu Hospital); the Cardiac, Circulatory and Respiratory Research Group and Queen's Cardiopulmonary Unit (QCPU); and the Queen's Cancer Research Institute (QCRI). These groups and units maintain extensive regional, national and global research collaborations. Additionally, the Centre for Advanced Computing (CAC) at Queen's delivers a world-class high-performance computing environment and storage resources.

Canada Research Chairs are established as part of a national strategy to foster research excellence. The candidate must meet the requirements for the position of Tier 2 Chair as defined by the CRC program. Tier 2 Canada Research Chairs are intended for exceptional emerging scholars who are less than 10 years from their highest degree at the time of nomination. Applicants who are more than 10 years from their highest degree due to career breaks may have their eligibility for a Tier 2 CRC assessed through the program's Tier 2 justification process. For full program information, including further details on eligibility criteria, please consult the CRC website: www.chairs-chaire.gc.ca/.

The University invites applications from all qualified individuals. Queen's is committed to diversity and inclusion and has an employment equity program that meets the goals of the Canada Research Chairs program and the requirements of our collective agreement with the Faculty Association. Until such time as we have met our equity targets (<http://queensu.ca/vpr/prizes-awards-chairs/canada-research-chairs-program-crcp>), preference will be given to members of the Four Designated Groups under the Canada Research Chairs program: women, Indigenous/Aboriginal peoples, persons with disabilities and racialized persons/visible minorities. All applicants will be invited to self-identify once they have applied; those who wish to be considered under our employment equity provisions are required to self-identify. Self-identification information will be held in confidence by the Equity Office and one member of the selection committee. All qualified candidates are encouraged to apply; however, in accordance with Canadian Immigration requirements, Canadian citizens and Permanent Residents of Canada will be given priority.

To comply with Federal laws, the University is obliged to gather statistical information about how many applicants for each job vacancy are Canadian citizens / permanent residents of Canada. Applicants need not identify their country of origin or citizenship, however, all applications must include one of the following statements: "I am a Canadian citizen / permanent resident of Canada"; OR, "I am not a Canadian citizen / permanent resident of Canada". Applications that do not include this information will be deemed incomplete.

A complete application consists of:

- a cover letter (including one of the two statements regarding Canadian citizenship / permanent resident status specified in the previous paragraph);
- a current Curriculum Vitae (including a comprehensive list of publications, awards, and grants received);
- a statement of current and prospective research interests and experience;
- a statement of teaching experience and interests together with a teaching portfolio (including teaching outlines and evaluations if available);
- Applicants should arrange for ***THREE*** letters of recommendation to be sent directly to Chair of Faculty Search Committee at hire.letters@cs.queensu.ca by the closing date of ***August 15, 2018***. At least one of referees must be at arm's length.

The deadline for applications is August 15, 2018. Applications will continue to be reviewed until a suitable candidate is found. Applicants are asked to send all documents in their application packages electronically as PDFs to Dr. Hossam Hassanein, Director of the School of Computing, Queen's University, Kingston, Ontario, K7L 3N6 at BMC.CRC2@cs.queensu.ca.

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please contact Tom Bradshaw in the School of Computing at bradshaw@cs.queensu.ca.

Academic staff at Queen's University are governed by a Collective Agreement between the University and the Queen's University Faculty Association (QUFA), which is posted at <http://queensu.ca/facultyrelations/faculty-librarians-and-archivists/collective-agreement> and at <http://www.qufa.ca>.

Appointments are subject to review and final approval by the Provost. Only nominees external to Queen's University will be considered. (Please note that, for the purposes of this competition, Queen's Term Adjuncts and Adjunct-1s will be considered as external nominees.)