

Tier 2 Canada Research Chair in Artificial Intelligence

University of Ottawa

Application deadline: November 17, 2020

Posting no.: 20047-CRC

The University of Ottawa invites applications for a Tier 2 Canada Research Chair (CRC) in Artificial Intelligence (AI) at the Interface of Chemistry and Mathematics. The selected candidate will hold a tenure-track faculty position in the [Faculty of Science](#). Applicants must have a PhD in Chemistry, Mathematics or a closely related field and have a demonstrated exceptional record of excellence in research and teaching. The successful candidate will be expected to establish a strong, externally funded, and collaborative research program in the broadly defined area of artificial intelligence, that complements the existing expertise of the [Department of Chemistry and Biomolecular Sciences](#) and of the [Department of Mathematics and Statistics](#). This candidate will be a member of both departments and will contribute to teaching and service in both departments. The candidate will work to develop and apply modern AI methods to dissect chemical information and solve important chemistry problems, will establish productive collaborations with chemists who generate data, and will collaborate with mathematicians to further the development of novel analytical tools and methods.

Preferential Hiring: The University of Ottawa is committed to ensuring equity, diversity and inclusion in the scholarly and leadership environments of our students, staff, and faculty. Accordingly, we strongly encourage applications from members of the four designated groups such as Indigenous peoples, visible minorities, persons with disabilities, and women, as defined in the [Employment Equity Act](#), as well as from all qualified candidates with the skills and knowledge to productively engage with equitable, diverse and inclusive communities. Candidates from diverse training backgrounds are encouraged to apply, including those from academia, industry, and government. As part of this preferential hiring process, applications from members of the four designated groups will be prioritized and assessed first for the vacancy. Candidates who wish to qualify for preferential consideration are asked to fill the following self-identification form:

https://research.uottawa.ca/sites/research.uottawa.ca/files/crc_self-identification_questionnaire_ovpr.pdf.

The purpose of this measure is to increase the representation of members of the four designated groups in the allocation of Canada Research Chair positions.

Tier 2 Chairs, tenable for five years and renewable once, are for exceptional emerging researchers, acknowledged by their peers as having the potential to lead in their field. For each

Tier 2 Chair, the institution receives \$100,000 annually for five years, with an additional \$20,000 annual research stipend for first-term Tier 2 Chairs.

Candidates should, at a minimum, be assistant or associate professors, or possess the necessary qualifications to be appointed to these levels. Candidates who are more than 10 years from their highest degree must contact the University of Ottawa directly for questions related to their potential eligibility for a Tier 2 Chair. The institution may nominate a professor or a researcher who is more than 10 years from their highest degree at the time of nomination and has experienced legitimate career interruptions (see [acceptable justifications](#)). In such cases, the institution must submit to the Secretariat a formal justification (using the [Tier 2 Justification Screening Form](#)), explaining why the nominee is still considered to be an emerging scholar. The University recognizes the legitimate impact that leaves (e.g., parental leave, leave due to illness) can have on a candidate's record of research achievement and that these leaves will be taken into careful consideration during the assessment process. New CRC nominees are also eligible for infrastructure support from the [Canada Foundation for Innovation](#) (CFI) to help acquire state-of-the-art equipment essential to their work.

Required qualifications: PhD in Chemistry, Mathematics, or a related discipline. Postdoctoral experience is mandatory. A demonstrated excellent research track record in artificial intelligence. A commitment to teaching and graduate training, a strong track record in and a commitment to interdisciplinary collaborations, and the ability to obtain external research funds. The candidate must have excellent oral and written communication skills in either English or French. A passive knowledge of the other official language would be an asset.

Rank and salary: Regular tenure-track academic appointment at the rank of Assistant Professor in the Faculty of Science. Applications for higher ranks will also be considered. This position is governed by a collective agreement between the University of Ottawa and the Association of Professors of the University of Ottawa.

Application Package:

- A cover letter;
- An up-to-date curriculum vitae (please include career interruptions such as parental or sick leaves that may have impacted your record of research. These will be taken into consideration in the selection process);
- A detailed research plan demonstrating a strong commitment to research excellence (5 pages maximum);
- A statement on equity, diversity, and inclusion philosophy and practice (1 page);
- A statement of teaching interests (1 to 2 pages); and
- The names of three people who may be contacted by the University for letters of reference which will follow the [Canada Research Chairs guidelines](#) (i.e. one arm's length, and two who are not affiliated to the University of Ottawa unless they are the candidate's PhD or postdoctoral supervisor);

- Self-Identification Form (see Preferential Hiring section above).

The selection process will begin in November and will continue until the position is filled. Only candidates selected for an interview will be contacted. Please send the application package to the following address by email to:

Dr. Sylvain Charbonneau, Vice-President, Research
University of Ottawa
550 Cumberland St., room 246
Ottawa, ON K1N 6N5 CANADA
rcca-coord@uOttawa.ca

If you are invited to continue the selection process, please notify us of any particular adaptive measures you might require by contacting the Office of the Vice-Provost, Faculty Relations at 613-562-5958. The Canada Research Chairs Program imposes no restrictions on nominees with regard to nationality or country of residence. Procedures to allow non-Canadian chairholders to work in Canada have been established by Employment and Social Development Canada and Immigration, Refugees and Citizenship Canada.

The University of Ottawa is justly proud of its 160-year tradition of bilingualism. Through its Official Languages and Bilingualism Institute, the University provides training to staff members and their spouses in their second official language. At the time of tenure, professors are expected to be able to function in a bilingual setting. In certain cases, professors must have the ability to teach in both official languages to be granted tenure.

Notice of Collection of Personal Information

In accordance with the Freedom of Information and Protection of Privacy Act (Ontario) and with University Policy 90, your personal information is collected under the authority of the University of Ottawa Act, 1965 and is intended to be used for the purpose of and those consistent with your employment application and the administration of your employment relationship, if established. If you have any questions regarding this collection of personal information, please contact Office of the Vice-Provost, Faculty Relations at (613) 562-5958 or by email at vra.affairesprofessorales@uottawa.ca.