

Management of AI Powered Technologies in Cardiac Care - Tier 2 Canada Research Chair

University of Ottawa

Location: Ontario

Date posted: 2019-10-04

Advertised until: 2019-12-05

The Telfer School of Management (TSM) at the University of Ottawa and the **University of Ottawa Heart Institute** (UOHI) are seeking applications for a Tier 2 Canada Research Chair tenure-track faculty position to explore the organizational implications of the application of Artificial Intelligence (AI) in health care, with a particular focus on its use for improving cardiac patient care. The research conducted by the Chair holder is expected to focus on the way in which AI can create value for patients, clinicians, and institutions and the organizational and practical implications surrounding its implementation. This Chair builds on a unique partnership between the University of Ottawa Heart Institute (UOHI), a world-class tertiary cardiac center, and the Telfer School of Management (TSM), a triple-accredited business school. The Chair holder is expected to teach in the **Telfer School programs** and conduct research of relevance for the management practice in a context of care for cardiac patients.

The research agenda driving Chair activities is expected to be centered, among others, on the following broad questions:

- How can AI-powered clinical tools provide value to the institution?
- How can AI-powered administrative tools bring administrative efficiencies?
- How do AI-powered applications impact the organization of clinical work, institutional strategies and performance?
- How can the cognitive transformation triggered by AI-powered tools accelerate transformation towards a learning health system?

While research conducted by the Chair will be focused on patient-centered cardiac care at UOHI, results need to be scaled up to other settings and contexts.

Program description

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. **Postdoctoral Fellows** paid in whole or in part by funds administered by the University of Ottawa are not eligible to apply. 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.

Preferential Hiring:

The University of Ottawa strongly supports a workplace environment that removes disparities experienced by the designated groups in Canada: women, Indigenous peoples, persons with disabilities and members of visible minorities, as defined in the **Employment Equity Act**. In a preferential hiring, only applications from members of those groups are considered and assessed for the vacancy. Candidates from these groups who wish to qualify for preferential consideration must fill the following self-identification **form**. The purpose of this measure is to increase the representation of the four designated groups in the allocation of Canada Research Chair positions.

Required Qualifications:

A PhD or equivalent, superior research achievements in any disciplinary background that supports research on health informatics, decision making and organizational/process design and proof of interdisciplinary collaborations. Candidates with a demonstrated knowledge of

health care applications and the application of AI tools and methods are particularly encouraged to apply. Candidates should have a solid record with respect to teaching and training of students at the graduate level, the ability to obtain external research funds, excellent 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 in the Telfer School of Management. 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:

Interested applicants must submit the following:

- A cover letter;
- An up-to-date curriculum vitae with a complete list of publications, grants, graduate supervisions (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 research plan (2 to 3 pages);
- A statement of teaching interests (1 to 2 pages);
- A statement describing how the Chair will foster and leverage unique partnership between the
TSM and the UOHI (1-2 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).

Deadline: December 4th, 2019

The selection process will begin in December 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 or 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 Associate Vice-President, Faculty Affairs 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.