

# NSERC Tier 2 Canada Research Chair in Bioinformatics / Computational Biology

The Department of Biological Sciences and the Department of Computer Science at Brock University, St. Catharines, Ontario invite applications for an NSERC Canada Research Chair Tier 2 position in **Bioinformatics/Computational Biology** at the rank of Assistant or Associate Professor to commence July 1, 2019, or as negotiated with the Faculty Dean.

Tier 2 Chairs are intended for exceptional emerging scholars, typically those who have been active researchers in their field for fewer than 10 years at the time of nomination. Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental, or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Chair assessed through the program's [Tier 2 justification process](#). Please contact Geoffrey Waters, Director, Research Services ([gwaters@brocku.ca](mailto:gwaters@brocku.ca)) for more information.

The ideal candidate must have expertise in both biological science and computer science, being active in research from both disciplines. Applicants should have a completed PhD and post-doctoral training that involves research in some combination of the following areas of interest. Desired expertise in biological sciences includes, but is not limited to, biological systems and network modelling, population genomics, proteomics, structural biology, metabolomics, or computational biology. Desired expertise in computer science includes algorithms, computational intelligence, machine learning, data mining, modelling, optimization, or data analytics. The candidate should have demonstrated evidence of, or potential for, external research funding; be committed to undergraduate and graduate teaching; and have a strong commitment to undergraduate and graduate student supervision at all levels of study.

The successful candidate should feel equally at home in both the Biological Sciences and Computer Science departments. They will be expected to collaborate with faculty from both departments and to teach senior undergraduate and graduate level research-oriented courses suitable to both departments. The successful candidate will have opportunities to network with several closely related research groups on campus beyond the Departments of Biological Sciences and Computer Science, such as in the Centre for Biotechnology, Faculty of Applied Health Sciences, Environmental Sustainability Research Centre, Centre for Vector-Borne Disease, and Centre for Neuroscience.

The Department of Biological Sciences and the Department of Computer Science are dynamic departments within the Faculty of Mathematics and Science. Both departments enjoy large and growing undergraduate and graduate student populations as well as active, diverse, and collaborative research faculty. Biological Sciences has established MSc and PhD programs. Computer Science has an established MSc program, and is in advanced stages of implementing a new PhD program. (See

[brocku.ca/mathematics-science/biology/](http://brocku.ca/mathematics-science/biology/) and [www.cosc.brocku.ca/](http://www.cosc.brocku.ca/) for more details about the departments.)

Interested candidates are invited to submit a letter of application, a curriculum vitae, statement of research interests, statement of teaching philosophy and evidence of teaching performance (if applicable), all in electronic format (a single PDF document is preferred) via the online application system. *To submit interest, please click the orange “Apply” button at the top or bottom of postings.* (Note: file maximum of 5MB per upload. Supplemental application information beyond the 5MB limit can be sent to [lwenzl@brocku.ca](mailto:lwenzl@brocku.ca).) Applicants should also arrange for at least three letters of academic reference to be sent electronically to [lwenzl@brocku.ca](mailto:lwenzl@brocku.ca).

Consistent with Brock University’s [Equity, Diversity, and Inclusion Action Plan](#), applications are particularly encouraged from individuals who will assist the institution in achieving equity targets. To ensure accurate data regarding Brock’s Canada Research Chair program, all applicants are requested to respond to the voluntary self-identification questions presented in the online application system. Differing career patterns may be more common among members of designated groups, and those who have experienced leaves from the workplace. These differences will be taken into account in assessing the experiences and qualifications of applicants.

Review of applications will begin on **June 3, 2019**, and will continue until the position is filled. The appointment is subject to final budgetary approval. Nominations for Canada Research Chairs are subject to review and final approval by the CRC Secretariat. Eligibility criteria and CRC program information can be found at the following website <http://www.chairs-chaieres.gc.ca>. Benefits associated with Chair appointments include teaching release and a research stipend.

All inquiries should be directed to Brian Ross ([search2019@cosc.brocku.ca](mailto:search2019@cosc.brocku.ca)).

Brock University is actively committed to diversity and the principles of Employment Equity and invites applications from all qualified candidates. We will accommodate the needs of the applicants and the Ontario Human Rights Code and the Accessibility for Ontarians with Disabilities Act (AODA) throughout all stages of the selection process, as outlined in the Employee Accommodation Policy [https://brocku.ca/webfm\\_send/39939](https://brocku.ca/webfm_send/39939). Please advise Patricia Mosca, Manager, Talent Acquisition [pmosca@brocku.ca](mailto:pmosca@brocku.ca) to ensure your accessibility needs are accommodated through this process. Information received relating to accommodation measures will be addressed confidentially.

All qualified candidates are encouraged to apply. Brock University is actively committed to diversity and the principles of employment equity and invites applications from all qualified candidates. Women, Aboriginal peoples, members of visible minorities, people with disabilities, and lesbian, gay, bisexual, transgender, and queer (LGBTQ) persons are encouraged to apply and to voluntarily self-identify as

a member of a designated group as part of their application. Candidates who wish to be considered as a member of one or more designated groups can fill out the Self-Identification questions included in the questionnaire at the time of application.

It is Brock University's policy to give consideration to qualified internal applicants.

We appreciate all applications received; however, only candidates selected for an interview will be contacted.

Learn more about Brock University by visiting <http://www.brocku.ca>

Initial posting date: April 1, 2019.