



Brock
University

**Break
through here.**

NSERC Tier 1 Canada Research Chair - Applied Bioanalytical Chemistry

One of Canada's leading comprehensive universities and a Top Employer in Hamilton-Niagara, and ranked #3 Canada's Best Employers compiled by Forbes and Statista, Brock University is an inclusive, welcoming campus community that offers a wide range of unique career opportunities for those with passion, energy and expertise. We're looking for team members who want to help us continue to deliver an exceptional student experience, perform impact-driven research and generate life-changing breakthroughs for our world. Ignite new possibilities for your career. Break through at Brock.

Brock University is located on the traditional territory of the Haudenosaunee and Anishinaabe peoples, many of whom continue to live and work here today. This territory is covered by the Upper Canada Treaties and is within the land protected by the Dish with One Spoon Wampum Agreement.

About Brock University

With a student population of more than 19,000, Brock is renowned for its exceptional campus experience and high level of student satisfaction. Brock offers 150 undergraduate and graduate degrees in six academic faculties and is home to world-class instructors and researchers making breakthroughs of all kinds each and every day. Founded in 1964 by the Niagara community, Brock remains a proud partner committed to improving the vitality of the region even as it extends its global reach.

Brock University recognizes that life circumstances such as illness, disability, family and community responsibilities (e.g., maternity leave, parental leave, leaves due to illness, leaves due to caring for family members, or slowdowns due to chronic illness or disability) are expected to have an impact on a candidate's record of research achievement, and that these impacts will be taken into careful consideration during the assessment process. Where this is relevant, candidates are invited to share details they would like to have taken into consideration in their cover letter.

Our Geography

Brock is located on a UNESCO World Biosphere Reserve in the Niagara Region of Ontario, Canada. This unique region intersects Lakes Ontario and Erie and is home to nearly 500,000 residents. Brock is one of the region's top employers, and is a significant contributor to the economic, intellectual and cultural fabric of the area. Niagara provides abundant recreation, cultural and lifestyle options and is just a short drive from the Greater Toronto Area and the United States border.

What We Offer

Brock University offers competitive salary and benefits and ample support for research and sabbaticals. Research resources include; conference support, start-up funding, subscriptions to major databases and access to various research funding vehicles. For candidates considering relocation, moving expenses will be administered according to the Brock University Faculty Association Collective Agreement.

About the Department of Chemistry

The selected candidate will join the Department of Chemistry. The Department currently consists of 12 research-active faculty and 7 research and teaching support staff. Many members of the Department are active researchers in the Centre for Biotechnology. Researchers have an excellent track record of securing research funding, mentorship, service, and publications. Chemistry is committed to fostering diversity within our community as a source of excellence, to cultural enrichment, and social strength. We welcome women, members of racialized groups, Indigenous peoples, persons with disabilities, and persons of any sexual orientation, gender identity and/or expression. It is important to us that historically underrepresented students see role models in faculty positions.



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The Department is home to nuclear magnetic resonance (NMR) and mass spectrometry suites, as well as smaller instrumentation. In addition, members of the Department also have access to the integrative suites of analytical equipment housed within the University's newly established Validation, Prototyping, and Manufacturing Institute (VPMI). This includes two of three IM-QTOF-MS in Canada (only 19 world-wide) and a state-of-the-art microscopy facility.

For more information about the Chemistry Department, please see our website (<https://brocku.ca/mathematics-science/chemistry/>)

About the Position

The Department of Chemistry seeks applications from outstanding scientists for an NSERC Tier 1 [Canada Research Chair](#) (CRC) in Applied Bioanalytical Chemistry at the rank of Full Professor (or Associate Professor that expects to be promoted to Full Professor within 2 years of appointment), to commence no later than January 1, 2025. This position belongs to the Brock University Faculty Association (BUFA) employee group.

We are seeking candidates for a CRC Tier I Chair position in Applied Bio-analytical Chemistry. Ideal candidates will integrate chemical, biological, and biotechnological methodologies into their research programs, including molecular diagnostics, DNA technologies, or omics-based approaches. The research should ideally focus on clinical medicine or population health, and address critical issues such as food, health, and water security. This person would become a core member of the Analytical focus area in the Department of Chemistry. The Chair will also contribute to teaching undergraduate and graduate courses within the Department of Chemistry.

The Chair will join the Department in contributing to the training, mentorship, and well-being of Brock undergraduate and graduate students.

Qualifications

Applicants for faculty positions with the Department of Chemistry at Brock should have a PhD in Chemistry or related discipline. The candidate will be a recognized national and international leader in applied bioanalytical chemistry, bringing a body of coherent research and associated social impact to the Department of Chemistry and Brock University. Applicants should have an outstanding record of research achievement, demonstrated evidence of external research funding, a demonstrated commitment to undergraduate and graduate teaching, and a strong commitment to undergraduate mentoring and graduate student training at the MSc and PhD levels.

About the CRC Program

The successful candidate is a national and/or international leader in their field eligible to hold a tenured appointment at the rank of Full Professor (or Associate Professor with the expectation of promotion to Full Professor within 2 years of appointment). The successful candidate will be supported to prepare a nomination for the Canada Research Chair (CRC) Program.

The CRC program recognizes outstanding scholars at all career stages and is a key mechanism for Canadian universities to attract and retain the best talent from around the world to achieve excellence in research and research training. CRCs advance the frontiers of knowledge in their fields through their scholarly research, teaching, and supervision.

Tier 1 Chairs are tenable for seven years and renewable once for outstanding researchers acknowledged by their peers as world leaders in their fields. To meet the criteria of the program, individuals must demonstrate substantial accomplishments that have had major impact in their discipline at the international level. They also should have



superior records of supervising graduate students and postdoctoral fellows and are expected to attract and retain future researchers.

Brock University is committed to providing the selected candidate with the support required to prepare a nomination for the Canada Research Chair (CRC) Program. Appointment as a Full Professor (or Associate Professor) is not contingent upon the outcome of the CRC nomination. Nominations for CRCs are subject to review and final approval through the CRC Program. Benefits associated with Chair appointments include teaching release and start-up research funds. A separate application may be made to the [John R. Evans Leaders Fund](#) (JELF) for research infrastructure needs.

Please visit the Canada Foundation for Innovation website at <https://www.innovation.ca/apply-manage-awards/funding-opportunities/john-r-evans-leaders-fund#!nav-crcrcpartnership>. Eligibility criteria and CRC program information can be found at the following website: <http://www.chairs-chaires.gc.ca>. For more information about Brock's CRC program, please contact Tessa Mazachowsky (tmazachowsky@brocku.ca).

To ensure accurate data regarding Brock's CRC program, all applicants are requested to respond to the voluntary self-identification questions presented in the online application system. Please note this information will be securely accessed only by members of the search committee and for the fulfillment of this hiring initiative. Please visit <https://brocku.ca/research-at-brock/research-chairs/crc-equity/#action-plan> to read the [Brock University's Equity, Diversity, and Inclusion Action Plan](#).

Application Process and Timeline:

Notes:

All documents must be submitted in electronic format (a single well-organized PDF document is preferred) via the online application system. (Note: file maximum of 5MB per attachment upload). If needed, supplemental application information beyond the 5 MB limit can be sent to Paul Zelisko (pzelisko@brocku.ca).

1. A letter of interest (suggested 2-4 pages) outlining:
 - a. your qualifications for a successful Tier I Chair nomination funded by the Natural Sciences and Engineering Research Council (NSERC) of Canada
 - b. alignment of your profile and expertise with this Chair position
 - c. definition that you hold for research excellence and impact.
2. A description of your program of research (suggested 3-5 pages), including:
 - a. your short-term and long-term vision for your future research program as a Tier I CRC at Brock;
 - b. novel opportunities for training scholars within a variety of research contexts
 - c. the potential for the Chair to enhance your scholarly leadership and innovation capacity within the Department, Faculty, and University in strategic areas.
3. An updated and complete curriculum vitae.
4. A statement discussing:
 - a. your mentorship philosophy
 - b. teaching philosophy
 - c. a list of undergraduate and graduate courses the candidate would be interested in teaching
 - d. strategies to support a diverse cross-section of students (suggested 2-4 pages).
5. A statement of strengths and experiences in supporting equity, diversity, and inclusion for their discipline through research, curriculum, advocacy, community outreach or engagement, and student support (suggested 2 pages).
6. The names and contact information of three referees who could provide confidential letters of assessment that speak to the candidates' suitability to hold a faculty position and Tier I CRC at Brock University. Letters will not be requested unless an applicant is short listed.



The closing date for applications is **August 21, 2024 at 12:01 am**. The final business day to apply is **August 20, 2024**. Inquiries should be directed to Paul Zelisko, Chair - Department of Chemistry, pzelisko@brocku.ca.

This position is subject to final budgetary approval.

Applications should be submitted electronically through the Brock Careers website at the following link: https://brocku.wd3.myworkdayjobs.com/brocku_careers/job/St-Catharines-Main-Campus/NSERC-Tier-1-Canada-Research-Chair---Applied-Bioanalytical-Chemistry_JR-1018535

It is expected that this search will lead to a CRC nomination by April 2025, for which a decision from the CRC Program is anticipated in October 2025.

Inquiries should be directed to Paul Zelisko, Chair of the Search Committee 905-688-5550 ext. 4389, pzelisko@brocku.ca.

Our Commitment

Brock University is actively committed to diversity and the principles of employment equity and invites applications from all qualified candidates. Women, Indigenous (First Nations, Métis, Inuit) peoples, Black people, persons with disabilities, members of visible minorities/racialized groups, and Two-Spirit, lesbian, gay, bisexual, transgender, queer, intersex, and additional sexually and gender diverse (2SLGBTQI+) 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 should fill out the Self-Identification Form and include the completed form with their application.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

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/policies/wp-content/uploads/sites/94/Employee-Accommodation-Policy.pdf>. Please advise: talent@brocku.ca to ensure your accessibility needs are accommodated through this process. Information received relating to accommodation measures will be addressed confidentially.

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