

Canada Research Chair (CRC) Tier II in Biochemical Approaches to Combat Antimicrobial Resistance

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Job title: Canada Research Chair (CRC) Tier II in Biochemical Approaches to Combat Antimicrobial Resistance

Position code: 23_C_CHEM_M

Date posted: October 31, 2023

Application deadline: December 1, 2023

Advertised until: Position is filled

Position description

The Department of Chemistry and Biochemistry in the Faculty of Arts and Science at Concordia University invites applications for a Canada Research Chair (CRC) Tier II in Biochemical Approaches to Combat Antimicrobial Resistance, a research-intensive tenure-track faculty position. We are seeking candidates who will develop a research program focusing on aspects of the biochemistry of combating antimicrobial resistance. This may include an interest in directed evolution and the design and optimization of antimicrobial-producing enzymes from existing and novel biosynthetic pathways, and the development of strategies to inhibit enzymes critical to pathogen survival. Additional research areas of interest related to the position include protein engineering, protein structure, and protein morphogenesis.

Qualifications and assets

Candidates must have a Ph.D. degree in Biochemistry or a related discipline, relevant postdoctoral experience and demonstrated research expertise in at least one of the research areas of interest. The successful candidate will provide evidence of a superior publication record and a demonstrated ability to attract substantial external funding for an evolving research program, taking into full consideration career stage, career breaks and special circumstances. The candidate also will have a strong commitment to undergraduate and graduate education and mentoring, the potential to attract and retain excellent and diverse trainees, strong leadership potential, and the potential to achieve international recognition as required by the CRC Tier II program including, but not limited to, invitations to speak at scientific conferences and interviews and knowledge transfer activities.

Candidates eligible for Tier II chair positions must be excellent emerging scholars within 10 years of their highest degree at the time of nomination (exclusive of career interruptions). Potential Tier II candidates who are more than 10 years from their highest degree should take note that certain career interruptions may still make them eligible for nomination. Potential candidates are encouraged to submit a formal justification by means of the Tier II Justification Assessment Form, which will be considered in the review of applications. Please consult the [Canada Research Chairs website](#) for full program information, including further details on eligibility criteria and acceptable justifications to the extension of the eligibility term.

Notwithstanding the above and irrespective of their submission of a formal justification, candidates are encouraged to share any career interruptions or personal circumstances that may have had an impact on their career goals (such as the decision to have a family, eldercare, illness, and so forth) in their letter of application. These will be carefully considered in the assessment process. The Department values diversity among its faculty and strongly encourages applications from women and members of underrepresented groups. Concordia University is an English-language institution of higher learning at which the primary language of instruction and research is English. Since this position supports academic functions of the university, proficiency in English is required. Working knowledge of French, including reading and grading student work in French, is an asset.

How to apply

All qualified candidates are encouraged to apply; however Canadians and Permanent Residents will be given priority. To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. While applicants need not identify their country of origin or current citizenship, all applicants must include one of the following statements:

Yes, I am a citizen or permanent resident of Canada

or

No, I am not a citizen or permanent resident of Canada

Application packages should be addressed to Dr Paul Joyce, Chair of the Department of Chemistry and Biochemistry, and must include a cover letter clearly identifying the title and position code [23_C_CHEM_M], a comprehensive curriculum vitae, a 5-page description of their planned research program highlighting its innovation, a 1-page summary of their most significant research contributions to date, a 2-page statement of teaching and training philosophy and interests, and three letters of support. Applications should be submitted electronically to chembiochem.ac@concordia.ca, with the subject heading *CRC Application* by **December 1, 2023**, but will continue to be reviewed until the position is filled. The appointment is expected to commence in **August 2024**. All inquiries regarding this position can be directed to Dr Paul Joyce at chair.chemistryandbiochemistry@concordia.ca.

Concordia University is strongly committed to building a diverse, equitable, and inclusive community, and recognizes the importance of inclusion in achieving excellence in teaching and research. As part of this commitment to providing our students with the dynamic, innovative, and inclusive educational environment of a Next-Generation University, we require all applicants to articulate in their cover letter how their background, as well as lived and professional experiences and expertise have prepared them to teach in ways that are relevant for a diverse, multicultural contemporary Canadian society.

Possible examples to demonstrate a diverse experience may include, but are not limited to:

- teaching about underrepresented populations
- mentoring students from underrepresented backgrounds
- committee work
- offering or organizing educational programming
- participation in training and workshops

All applicants will receive an email invitation to complete a short equity survey. Participation in the survey is voluntary and no identifying information about candidates will be shared with hiring committees. Candidates who wish to self-identify as a member of an underrepresented group to the hiring committee may do so in their cover letter or by writing directly to the contact person indicated in this posting.

Adaptive measures

Applicants who anticipate requiring adaptive measures throughout any stage of the recruitment process may contact, in confidence, Anna Barrafato, Accessibility Change Lead: anna.barrafato@concordia.ca or by phone at 514.848.2424 extension 3511.

Information about the Department

The Department of Chemistry and Biochemistry is home to 24 faculty members with proven strengths in biochemistry, bioanalytical chemistry, biological mass spectrometry, and nanomedicine, amongst others. The Department hosts three Concordia research centres including the Centre for Biological Applications of Mass Spectrometry, the Centre for NanoScience

Research and the Centre for Research in Molecular Modelling. Faculty members are affiliated with and have access to instrumentation in the Centre for Structural and Functional Genomics, the Centre for Applied Synthetic Biology, the Centre for Microscopy and Cellular Imaging, and the School of Health.

Information about the Faculty of Arts and Science

The Faculty of Arts and Science was created in July 1977 through the merger of the former Loyola Faculty of Arts and Science, the former Sir George Williams Faculty of Arts, and the former Sir George Williams Faculty of Science.

The Faculty consists of 27 academic departments, colleges, institutes, and schools as well as more than 20 research centres. The Faculty is committed to responsible and innovative leadership in developing and disseminating knowledge and values and encouraging constructive social criticism. We achieve these objectives through inclusive and accessible academic programs which stress a broad-based, interdisciplinary approach to learning. We are dedicated to superior teaching and research supported by excellence in scholarship and creative activity, and a tradition of service to the community. The Faculty serves many interdependent academic communities in an urban environment where students and faculty can pursue their shared commitment to lifelong learning. For more about the Faculty of Arts and Science, please visit: www.concordia.ca/artsci.

Information about Concordia

Concordia University is located on unceded Indigenous lands. Tiohtià:ke/Montreal, on the traditional lands and waters of the Kanien'kehá:ka Nation, is historically known as a gathering place for many First Nations. Today it is home to a diverse population of Indigenous and other peoples. We respect the continued connections with the past, present and future in our ongoing relationships with Indigenous and other peoples within the Montreal community.

Building on the skills of our faculty and the strengths of Indigenous, local, and global partnerships, we set our sights further and more broadly than others and align the quality of learning opportunities to larger trends and substantial challenges facing society.

"Concordia is a young, forward-looking university. It's a unique place where experimentation, innovation and creativity are truly valued. Our community of students, faculty, staff and alumni all contribute to our momentum as Canada's next-gen university." — Concordia President Graham Carr.

Profoundly global, Concordia is North America's top university under the age of 50 and is recognized for attracting some of the most talented faculty and students from around the world. Driven by ambition, innovation and a commitment to reconciliation, research and community engagement, Concordia is celebrated for advancing transformative learning, convergent thinking and public impact.

Information about Montreal

Tiohtià:ke/Montreal, is exceptional; safe, vibrant and diverse, with new things to discover around every corner. The Kanien'kehá:ka Nation is recognized as the custodians of the lands and waters on which we gather and conduct our activities. With a population of 1.7 million, Tiohtià:ke/Montreal is home to four major universities and several clinical research centres and has been named the best student city in the world. It offers the most affordable tuition in Canada.

The city enjoys a thriving multicultural scene. Bilingualism is a part of Montreal's tradition and adds to its inspiring atmosphere. While supporting a significant anglophone population, it is the one of the largest French-speaking cities in the world.

Montreal is famed for its innovative culinary scene and festivals. It was also the first metropolis to be designated a UNESCO City of Design by the Global Alliance for Cultural Diversity.

The city is recognized globally as an important centre for commerce, aerospace, transport, finance, pharmaceuticals, technology, design, gaming and film.

Territorial Acknowledgement

Concordia University is located on unceded Indigenous lands. The Kanien'kehá:ka Nation is recognized as the custodians of the lands and waters on which we gather today. Tiohtià:ke/Montreal is historically known as a gathering place for many First Nations. Today, it is home to a diverse population of Indigenous and other peoples. We respect the continued connections with the past, present and future in our ongoing relationships with Indigenous and other peoples within the Montreal community.

Employment Equity

Concordia University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Indigenous persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification; candidates are invited to self-identify in their applications.

Immigration Status

All qualified candidates are encouraged to apply; however, Canadian and Permanent Residents will be given priority. To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. While applicants need not identify their country of origin or current citizenship, all applications must include one of the following statements:

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