Tier 2 CIHR Canada Research Chair (CRC) in Clinical Omics and Diagnostics

The Department of Chemistry and Biochemistry in the Faculty of Arts and Science at Concordia University invites applications for a Canadian Institutes of Health Research Tier 2 Canada Research Chair (CRC). This CRC is targeted to researchers who will design and develop new enabling omics technologies, point-of-care and personalized health monitoring devices and/or clinical in vitro diagnostics tests and pursue appropriate validation and translation of these new technologies into clinical or health practice. The tenure-track appointment will be at the rank of Assistant or Associate Professor, commensurate with experience.

The Department of Chemistry and Biochemistry is home to 23 faculty members with proven strengths in bioanalytical chemistry, biological mass spectrometry and nanomedicine, amongst others. The Department hosts three Concordia research centres including the Centre for Biological Mass Spectrometry, the Centre for NanoScience Research and the Centre for Research in Molecular Modelling.

Concordia University is a vibrant and diverse research and teaching environment, with state-of-the-art research facilities such as the PERFORM Centre, the Centre for Microscopy and Cellular Imaging, the Centre for Structural and Functional Genomics and the Centre for Applied Synthetic Biology. The CRC research program is directly in-line with the PERFORM Centre's mission to advance preventive health research and train future generations of highly qualified personnel in preventive health. This CRC will expand and complement Concordia's existing research strengths and leadership in omics, biomedical imaging, aging and/or preventive/precision health, with the successful candidate exhibiting commitment to initiate both within-faculty and cross-faculty collaborations as relevant to their research program. Concordia is located in Montreal, Canada, a diverse and culturally rich city, offering a high quality of life in North America and attracting more than 170,000 students. Montreal is also home to InVivo, the eighth largest life sciences cluster in North America and provides extensive opportunities for clinical collaborations and large-scale interventional studies. Similarly, the Montreal NEOMED institute provides an innovative platform for the translation of life science discoveries. The Quebec Bio-Imaging Network (QBIN) is a strategic cluster of researchers that explore normal and pathological human function through innovative imaging methodologies.

The ideal candidate for this position will be expected to establish an innovative externally-funded research program. Research areas of interest include clinical omics (metabolomics, lipidomics, exposomics, proteomics and/or genomics), microfluidics/biosensors/point-of-care/lab-on-chip devices, biological mass spectrometry, clinical (bio)chemistry and diagnostics, aging, nutrition, integration of bioimaging and biomolecular markers and biomarker discovery and validation for precision medicine. Applicants for this position must have

- a Ph.D. degree in Chemistry, Biochemistry or related discipline;
- relevant postdoctoral experience and demonstrated research expertise in at least one of the research areas of interest;
- a superior publication record for their career stage;
- for more senior candidates, a proven track-record of obtaining external funding;
- a strong commitment to undergraduate and graduate education and mentoring, and 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 2 program including, but not limited to, invitations to speak at scientific conferences, interviews and knowledge transfer activities.

Candidates eligible for Tier II chair positions must be exceptional emerging scholars within 10 years of their highest degree at the time of nomination (exclusive of career interruptions). 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. Please consult the Canada Research Chairs website for full program information, including further details on eligibility criteria. Concordia recognizes the potential impact that career interruptions can have on a candidate's record of research excellence and will take them into careful consideration in assessing applications and throughout the selection process.

Candidates' cover letters should address how they plan to contribute to a more diverse and inclusive research and teaching environment. Applications should include a lifetime curriculum vitae, a 5-page description of their planned research program highlighting the 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 should be submitted electronically to:

Dr. Christine DeWolf
Chair, Department of Chemistry and Biochemistry
Concordia University
7141 Sherbrooke St. West
Montreal, Quebec H4B 1R6 Canada
chair.chemistryandbiochemistry@concordia.ca

Candidates must request three letters of support to be sent on their behalf directly to the Department.

All inquiries should be directed to Ms Hilary Scuffell, Assistant to the Chair, Department of Chemistry and Biochemistry at hilary.scuffell@concordia.ca. Review of applications will begin in August 2019 and will continue until the position has been filled.

Persons with disabilities who anticipate needing accommodations for any part of the application process may contact, in confidence, Nadia Hardy, Vice-Provost, Faculty Development and Inclusion at vpfdi@concordia.ca or by phone at 514.848.2424 extension 4323.