



Department of Chemistry



Department of Chemical & Biochemical Engineering

## CANADA RESEARCH CHAIR Tier 2 in INNOVATIVE MATERIALS AND BIOMATERIALS

The Faculty of Science and the Faculty of Engineering at The University of Western Ontario, one of Canada's leading research-intensive universities, seek applicants for a Tier 2 Canada Research Chair (CRC) in Innovative Materials and Biomaterials. In accordance with the regulations set for Tier 2 Canada Research Chairs (<http://www.chairs-chaire.gc.ca/home-accueil-eng.aspx>), the candidate will be an excellent emerging researcher who has demonstrated research creativity and innovation through publication in leading peer-reviewed journals, and the potential to achieve international recognition in the field of Innovative Materials and Biomaterials. The candidate must propose an original and innovative research program of high quality, which will attract excellent undergraduate and graduate students, postdoctoral fellows and other trainees. The candidate is also expected to contribute to the teaching mission and to develop graduate and undergraduate programs in both the Department of Chemistry and the Department of Chemical and Biochemical Engineering. The successful candidate is expected to have demonstrated teaching excellence through performance measures and student evaluations.

The Tier 2 CRC will be expected to establish an independent, externally funded research program in the area of either Innovative Materials for Biomedical Devices or Innovative Materials for Energy Applications. Innovative materials for biomedical devices may involve the synthesis, characterization, and optimization of materials or biomaterials for use in or as biomedical devices. The relevant materials may include, but are not limited to, materials designed for interaction with cells, tissues, or viruses (including tissue engineered structures, implants, or body fluids); materials/biomaterials for targeted drug delivery; new materials or approaches to sensors and diagnostics. Innovative materials for energy applications may involve or be complementary to: the synthesis and characterization of materials such as nanomaterials and nanocomposites with emphasis on creation of materials and interfaces designed for energy applications (including Li/Na ion batteries, fuel cells, solar cells, or nuclear energy production and storage). It may involve the synthesis, characterization and optimization of new materials for coatings for energy infrastructure and new types of porous materials for gas storage and capture. The candidate will promote integration and synergy with existing areas of research strength and establish new collaborations between the Faculty of Science and the Faculty of Engineering in general, and the

Department of Chemistry and the Department of Chemical and Biochemical Engineering in particular.

The successful applicant will hold a Ph.D. degree. Both basic Scientists and Professional Engineers are encouraged to apply. The appointment will be a Joint Probationary (tenure track) Appointment at the rank of Assistant Professor or Associate Professor depending on qualifications and experience. The Joint Appointment will be made to the Department of Chemistry in the Faculty of Science and the Department of Chemical and Biochemical Engineering in the Faculty of Engineering.

At Western, there are approximately 50 research groups participating as members of CAMBR (Centre for Advanced Materials and Biomaterials Research), coordinating research, educational and outreach activities in Materials and Biomaterials. Our researchers are supported by world-class facilities and infrastructure, including a number of multi-user facilities to support materials and biomaterials research including the Nanofabrication Facility, Surface Science Western, the Analytical, Microscopy, and Data Analysis Suites at the Biotron, the Tandetron (ion beam lab). The Department of Chemistry also has exceptional expertise in synchrotron-based research, with extensive connections to synchrotron facilities in the country and around the world for materials characterization.

Candidates should submit a curriculum vitae, one-page teaching statement, and a concise research proposal (5 pages, NSERC Discovery Grant format preferred), and contact details of at least three professionals who can provide letters of support to:

Professor Bryan Neff, Associate Dean (Research)  
Office of the Dean, Faculty of Science  
The University of Western Ontario  
London, Ontario N6A 5B7, Canada  
[adrsci@uwo.ca](mailto:adrsci@uwo.ca)

Please ensure that the Application for Full-Time Faculty Position Form available at

<http://www.uwo.ca/facultyrelations/faculty/Application-FullTime-Faculty-Position-Form.pdf>  
is completed and included in your application submission.

Applications will be considered starting February 1, 2016 and will continue until the position is filled.

*Positions are subject to budget approval. Applicants should have fluent written and oral communication skills in English. All qualified candidates are encouraged to apply; however,*

*Canadians and permanent residents will be given priority. Western University is committed to employment equity and diversity in the workplace and welcomes applications from all qualified individuals, including women, members of visible minorities, aboriginal persons, persons with disabilities, and persons of any sexual orientation or gender identity.*