



CANADA RESEARCH CHAIR (CRC) TIER 2
in INNOVATIVE MATERIALS AND BIOMATERIALS
JOINT FACULTY POSITION IN THE DEPARTMENT OF
CHEMICAL & BIOCHEMICAL ENGINEERING AND DEPARTMENT OF CHEMISTRY

The Faculty of Engineering and the Faculty of Science 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, effective July 1, 2018 or as soon as possible thereafter. The successful applicant will receive a joint probationary (tenure-track) appointment at the rank of Assistant or Associate Professor with the Department of Chemical & Biochemical Engineering, Faculty of Engineering and the Department of Chemistry, Faculty of Science. Salary and rank will be commensurate with the successful applicant's qualifications and experience. This position also includes a comprehensive benefits package. Further details can be accessed at: http://www.uwo.ca/hr/benefits/your_benefits/faculty.html

For a probationary appointment, successful candidates will have completed a Ph.D. degree in the appropriate Engineering field, or a closely related discipline, demonstrate excellence or clear promise of excellence in research, including evidence of high quality scholarly output that demonstrates independent research potential leading to peer assessed publications and the securing of external research funding. Candidates who have a professional engineering license (P.Eng.) or are eligible to apply for a professional engineering license will receive preference.

The candidate must demonstrate an original and innovative research program of high quality, which will attract external research funding, supervision of undergraduate and graduate students, postdoctoral fellows and other trainees. The candidate is also expected to contribute to the teaching mission and to participate in graduate and undergraduate programs in both the Department of Chemical and Biochemical Engineering and the Department of Chemistry. The successful candidates will be expected to teach undergraduate and graduate courses in the core areas of their discipline. Candidates must have excellent oral and written communication skills and evidence of developing and maintaining research collaborations.

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 Engineering and the Faculty of Science in general, and the Department of Chemical and Biochemical Engineering and the Department of Chemistry in particular.

The selected candidate will be nominated by The University of Western Ontario to apply for the Tier 2 CRC in *Innovative Materials and Biomaterials*. This academic appointment is conditional upon the successful award of the CRC Tier 2 to the candidate.

In accordance with the regulations set for Tier 2 Canada Research Chairs (www.chairs-chaires.gc.ca), Tier 2 chairs are intended for exceptional emerging scholars (i.e., candidates must have less than 10 years of experience as an active researcher in their field 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 Research Development at The University of Western Ontario at ResearchWesternCRC@uwo.ca for more information. Please consult the Canada Research Chair website for full information, including further details on eligibility criteria. http://www.chairs-chaires.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx.

The University of Western Ontario recognizes the potential impact that legitimate career interruptions can have on a candidate's record of research achievement. Potential candidates are encouraged to explain within their application the impact that career interruptions have had on their record, and to submit a full career or extended CV to a chairholder position in cases where they have had career interruptions.

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, and 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.

Situated along the banks of the Thames River in picturesque London, Ontario, a city with a population of approximately 380,000, Western University has a full-time enrollment of about 32,000 students in a range of academic and professional programs. With annual research funding exceeding \$220 million, and an international reputation for success, Western ranks as one of Canada's top research-intensive universities. Our research excellence expands knowledge and drives discovery with real-world application. Western also provides an exceptional employment experience, offering competitive salaries, a wide range of employment opportunities and one of Canada's most beautiful campuses. Further information about Western can be found at <http://www.uwo.ca/>, the Faculty of Engineering at <http://www.eng.uwo.ca/>, the Department of Chemical & Biochemical Engineering at <http://www.eng.uwo.ca/chemical/>, and the Department of Chemistry at <http://www.uwo.ca/sci>. Western Engineering is embarking on a major expansion of faculty to complement a planned growth in student numbers. Western Engineering's Mission, Vision and Values can be found at http://www.eng.uwo.ca/faculty_staff/img/Values_Mission_Statement.pdf. Western's Recruitment & Retention Office is available to assist in the transition of successful applicants and their families.

If you share a commitment to excellence in teaching and research, and are eager to pursue a rewarding academic career, please send (i) a detailed curriculum vitae, (ii) a one-page teaching statement describing your teaching experience and philosophy, (iii) a concise research statement of interests describing your current research program, accomplishments and future plans, and (iv) contact details of at least three professionals who can provide letters of support. Applications should be sent to, clearly identifying the position you are applying for:

Professor Ajay K. Ray, Chair of Chemical and Biochemical Engineering
c/o Myriam Delgado, Administrative Officer
Thompson Engineering Building, Room 469, Western Engineering
1151 Richmond Street North London, Ontario, Canada N6A 5B9
Email: mdelgad@uwo.ca

Consideration of applications will commence on March 16, 2018 and will continue until the position is filled. Please ensure that the form available at <http://www.uwo.ca/facultyrelations/pdf/full-time-application-form.pdf> is completed and included in your application submission.

Positions are subject to budget approval. Applicants should have fluent written and oral communication skills in English. The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible

minorities. Aboriginal persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodations for interviews or other meetings, please contact Christina Bobier by phone at 519-661-2111 ext: 80210.

Posted on the Faculty Relations website February 14, 2018.