Full Time Faculty Position in Synchrotron Radiation for Bio-systems

The Department of Chemistry at The University of Western Ontario invites applications for a new full-time, faculty position in Synchrotron Radiation for Bio-systems as a probationary (tenure-track) at the rank of Assistant or Associate or a tenured position at the rank of Associate Professor. The preferred starting date of this position is July 1, 2018, but is negotiable. Salary will be commensurate with qualifications and experience.

Applicants must have a PhD degree in Chemistry, or related disciplines and have a strong record of research productivity in the form of publications in relevant peer-reviewed journals, awards, invited talks and other scholarly achievements. They also must demonstrate that they are well positioned to apply successfully for external funding in both the public and private sectors as evidenced by their current success at funding and/or their potential for future partnerships detailed in their research plan. The successful candidate will be expected to teach undergraduate and graduate courses in Chemistry and to develop new courses in the core areas of their discipline. The successful candidate also needs to demonstrate his/her ability to attract and train graduate and undergraduate research students.

Research areas of interest are bio-systems (broadly defined as chemistry and materials of biological relevance, including but not limited to, macromolecules and assemblies, polymers, soft matter, biomaterials, chemical biology, biophysics, etc.). The key research theme shall involve the development and application of one or more synchrotron based techniques, such as electron and optical spectroscopy, X-ray spectroscopy and microscopy, X-ray diffraction, X-ray scattering, protein and macromolecular crystallography, imaging and tomography, synchrotron enabled dynamics study, etc. The advanced synchrotron technology available and being developed, especially at the Canadian Light Source (CLS) located in Saskatoon, SK (http://www.lightsource.ca/), provides a great opportunity for the candidate to undertake frontier synchrotron research in bio-systems. Demonstration of potential interactions with other researchers in the Department of Chemistry, Faculties of Science and Engineering, and the Schulich School of Medicine & Dentistry will be an asset.

The Department of Chemistry is a research-intensive department in Western’s Faculty of Science, with both undergraduate and graduate programs. The Department is home to more than 30 full-time faculty members and more than 100 graduate students. The Department currently has three Canada Research Chairs (CRCs) and one Industrial Chair and is in the process of recruiting several additional CRCs. The Department of Chemistry at Western pioneered and has played a leading role in the development of Synchrotron Radiation (SR) Research in Canada for over four decades, leading to the establishment a decade ago of the CLS, the national facility of advanced photon technology for research and innovation. Currently, there is a large group of researchers across Western campus using this advanced technology. A majority of the synchrotron users at Western belong to the Soochow-Western Centre (SWC) for Synchrotron Radiation Research (http://swc.suda.edu.cn/). In addition to CLS, through SWC, Western researchers have established capabilities at and sustainable access to advanced synchrotrons worldwide, including the Advanced Photon Source in Chicago, the Advanced Light Source at Berkeley, the National Synchrotron Light Source in New York, the Hefei Synchrotron and the Shanghai Synchrotron Radiation Facility in China, and more recently the Taiwan Photon Source.
At Western, Centre for Advanced Materials and Biomaterials Research (CAMBR) enhances research, educational and outreach activities in the area of Materials and Biomaterials. Currently, 50 research groups participate as members of CAMBR from the Faculty of Science, Faculty of Engineering, Robarts Research Institute, and the Schulich School of Medicine and Dentistry, providing excellent opportunity to the candidate for collaboration.

Situated along the banks of the Thames River in picturesque London, Ontario, a city with a population of approximately 350,000, Western University is a prominent academic institution routinely ranked as a top research-intensive university in Canada and is committed to excel as a leading research institution internationally. Western University has a full-time enrollment of about 32,000 students in a range of academic and professional programs. Further information about Western can be found at http://www.uwo.ca/. Information about the City of London, which boasts an international airport, galleries, theatre, music and sporting events can be found at http://www.london.ca/about-london.

Western’s Office of Faculty Recruitment and Retention is available to assist in the transition of the successful applicant and their family.

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

Professor Yining Huang, Chair  
Department of Chemistry  
The University of Western Ontario  
London, Ontario N6A 5B7, Canada  
yhuang@uwo.ca

Please ensure that the Application for Full-Time Faculty Position Form available at https://www.uwo.ca//facultyrelations/pdf/full-time-application-form.pdf is completed and included in your application submission.

Applications will be considered starting December 15, 2017 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. 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 Anna Vandendries-Barr at 519-661-2111 ext 86344 or avandend@uwo.ca.

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