Three Assistant Professor Positions in Chemistry

The Department of Chemistry at the University of Guelph invites applications from outstanding individuals for THREE tenure-track appointments at the Assistant Professor level. The anticipated start date of the positions is 1 July 2019. The successful applicants will have a Ph.D. and a record of research excellence that is consistent with becoming internationally recognized in the future. They will have the inspiration and pedagogic ability to teach and supervise undergraduate and graduate students. The candidates will be expected to develop independent research programs with global impact funded by Canadian and international agencies (i.e. NSERC, CIHR, NIH), and which may lead to industrial collaborations.

The three general fields are (1) Biological Chemistry including candidates with interests in toxicology, synthesis, or NMR spectroscopic techniques involving proteins, carbohydrates, lipids, or other biologically significant molecular systems. (2) Theoretical and Computational Chemistry including candidates with interests in the development of theoretical models or computational methods addressing chemical problems. In addition to candidates whose research interests lie in traditional theoretical and computational research fields, those whose research interests include chemical applications of artificial intelligence such as machine learning and other approaches to chemical informatics are encouraged to apply. (3) NMR Methods and Applications including candidates that rely on the use of sophisticated NMR techniques or who may work in the development of novel NMR methods or applications. Research programs with NMR-centric themes that also include synthesis, theory, computation, or spectroscopy development are all encouraged to apply. For this position, we are interested in candidates who will be able to take full advantage of the NMR facilities available in our Advanced Analysis Centre (AAC) and will be able to become a major user and advocate for the centre.

The Department of Chemistry (www.chemistry.uoguelph.ca) in the College of Engineering and Physical Science (https://www.uoguelph.ca/ceps/) at the University of Guelph (https://www.uoguelph.ca/) is an equal partner with the University of Waterloo in the Guelph-Waterloo Centre for Graduate Work in Chemistry and Biochemistry, (GWC)$^2$ (www.gwc2.on.ca), which attracts top-level graduate students from across the globe. Our academic environment is strongly supportive of innovative research and teaching, and all interviewed applicants will be given the opportunity to demonstrate their skills in both of these essential roles.

The current research activities of the Department are supported by major infrastructure resources of characterization and analytical instrumentation, including the Advanced Analysis Centre (AAC) (www.uoguelph.ca/aac/) and the Electrochemical Technology Centre (ETC) (www.chemistry.uoguelph.ca/etc/), and very strong electronic and machine shop support. The NMR facilities
within the AAC offers access to seven Bruker NMR spectrometers (300 – 800 MHZ, including 600 MHz DNP bio-solids). They are equipped with over 30 probes. Solution probes available include 600 MHz HCN and 400 MHz HX cryoprobes, diffusion probes (60 A), $^1$H – $^{19}$F probes and an 800 MHz HCN probe. Solids static and MAS (1.3 to 7 mm) probes at 500, 600, and 800 MHz are available in a range of coil configurations (HCND, HCN “E-Free”, HXY, HFXY, HCN HR-MAS), with a low-temperature MAS accessory allowing sample temperatures down to 100 K. Furthermore, the university provides access to state-of-the-art computational facilities through SHARCNET (Shared Hierarchical Academic Research Computing Network) which is a partner organization of Compute/Calcul Canada. Start-up funds will be available to acquire a personal computational cluster which can still be maintained by SHARCNET while still allowing access to the vast array of shared facilities.

A complete application package will include: (i) a cover letter indicating the position for which you are applying (if you feel you qualify for more than one, please indicate that as well); (ii) a lifetime Curriculum Vitae; (iii) a 3 to 5 page research proposal in NSERC Discovery Program format (www.nserc-ersng.gc.ca/Professors-Professeurs/Grants-Subs/DGIGP-PSIGP_eng.asp); and (iv) the names and contact information of three references. Please arrange with your references to send their letters directly to the department using the same addresses as below. Evaluation of application files will begin 1 December 2018 and will continue until the position is filled.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Guelph is committed to equity in its policies, practices, and programs, supports diversity in its teaching, learning, and work environments, and ensures that applications from members of underrepresented groups are seriously considered under its employment equity policy. All qualified individuals who would contribute to the further diversification of our University community are encouraged to apply.

Please send complete applications electronically to chemchr@uoguelph.ca or by mail to

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