Chemistry Notices

For the Week of June 5 to June 9, 2017

Submissions: Please send to newsletter@chem.ualberta.ca by Wednesday for the following week’s edition

VISITING SPEAKERS AND SEMINARS

Sylvie Garneau-Tsodikova
Associate Professor of Pharmaceutical Sciences, College of Pharmacy
University of Kentucky

will speak on

“Towards overcoming resistance in tuberculosis”

Tuberculosis (TB) is the deadliest global infection (1.4 million deaths in 2015), having recently surpassed HIV/AIDS. ~250,000 of these deaths were from multidrug-resistant (MDR) TB, with only ~50% success in treatment of MDR-TB. Unless new strategies to combat or prevent emergence of drug-resistant TB are found, the global spread of MDR-TB will be an epidemic of epic proportions. Kanamycin (KAN), an antibiotic of last resort used to treat MDR-TB, resistance to KAN is caused by upregulation of the acetyltransferase Eis in Mycobacterium tuberculosis (Mtb), caused by mutations in the eis promoter. We investigated the mechanism of Eis and discovered and validated several Eis inhibitor scaffolds. In this presentation, the discovery and development of small molecules to combat tuberculosis will be presented: (1) new and unpublished Eis inhibitors as KAN adjuvants, and (2) new and unpublished stand-alone agents active against Mtb.

Medicinal chemistry optimization, activity, and structural studies will be presented.

DATE: Thursday, June 8, 2017
TIME: 11:00 a.m.
PLACE: Chemistry Centre Room E3-25

Morteza JavadiCharani
Ph.D Seminar

will speak on

“Synthesis, Surface Functionalization and Application of Group 14 Semiconductor Nanomaterials”

Monday, June 5, 2017
1:00 p.m. in Chemistry Centre
Room E3-25

Amy K. Norquay
Ph.D Seminar

will speak on

“Investigations of Fungal Highly Reducing Polyketide Synthases: The Biosyntheses of Lovastatin and Hypothemycin”

Thursday, June 8, 2017
2:00 p.m. in Chemistry Centre
Room E3-25
The Department of Chemistry, Memorial University of Newfoundland, invites applications for a full-time tenure-track Tier 2 Canada Research Chair (CRC) in Chemistry of the Ocean and Atmosphere. The successful applicant will be required to develop an internationally recognized, externally funded research program in analytical or environmental chemistry, with applications in areas such as chemical processes at the ocean-atmosphere interface, marine aerosols, or the transport and fate of pollutants in the environment. The proposed research program should fit into the areas identified in Memorial’s Research Strategy Framework (http://www.mun.ca/research/framework/themes.php). The position requires a PhD in Chemistry, post-doctoral experience and an excellent track record in research relevant to the Chair’s mandate (http://www.chem.mun.ca/recruit/CRC_CHEM_ocean_atmosphere.pdf). An aptitude for teaching is also required as the appointee will be responsible for teaching analytical and environmental chemistry courses at the undergraduate and graduate levels, as well as first year chemistry as required. The salary will be commensurate with qualifications and experience.

Tier 2 CRC’s are intended for exceptional emerging scholars with 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, etc.) may have their eligibility for a Tier 2 Chair assessed through the program’s Tier 2 justification process. It is expected that the successful candidate will have a level of scholarship/publication record commensurate with current NSERC Tier 2 chair holders in Chemistry. Applicants are encouraged to consult the CRC website for full program information, including further details on eligibility criteria (http://www.chairs-chaires.gc.ca/home-accueil-eng.aspx). Please note that the individual selected will be subject to review and final approval by the Chairs Secretariat. The appointment will be made at the rank of Assistant Professor. This is subject to final budgetary approval by the University.

The Chemistry Department currently has 20 faculty and more than 80 graduate students in research programs supported by NSERC and other provincial, federal, international, and industrial funding agencies. Research is supported with modern instrumentation in all areas of chemistry. Interested candidates are invited to review the Chemistry Department home page at http://www.mun.ca/chem for further information. Applicants should send a cover letter, curriculum vitae, a statement of teaching interests and philosophy, a 5-page research proposal in NSERC format, and the names and contact information (including e-mail addresses) of three referees:

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Deadline for receipt of complete applications is July 31, 2017.

Memorial University is the largest university in Atlantic Canada. As the province’s only university, Memorial plays an integral role in the education and cultural life of Newfoundland and Labrador. Offering diverse undergraduate and graduate programs to almost 18,000 students, Memorial provides a distinctive and stimulating environment for learning in St. John’s, a very safe, friendly city with great historic charm, a vibrant cultural life, and easy access to a wide range of outdoor activities. Memorial University is committed to employment equity and encourages applications from qualified women and men, visible minorities, aboriginal people, and persons with disabilities. All qualified candidates are encouraged to apply, however, Canadian Citizens and Permanent Residents will be given priority.