



Guest Speaker Seminar

Challenges and Opportunities in Natural Product Discovery

While natural product discovery programs have had enjoyed many successes there are significant challenges that hamper current efforts. One primary issue is the growing frequency of the discovery of known natural products. A second concern is our limited ability to access the vast untapped potential hidden in 'cryptic' biosynthetic pathways. The presentation will review our current efforts to address these issues. Specifically, the talk will discuss our generation of a diverse and relevant microbial library, a metabolomics method (based on UHPLC-HRMS) to assess targeted and untargeted natural product discovery, and the use of novel induction methods to identify cryptic natural products.

Dr. Russell Kerr

Department of Chemistry and Department of Biomedical Sciences,
Atlantic Veterinary College, University of Prince Edward Island

Host: Tomas Gverzdys, PhD Cand.
(on behalf of Dr. Justin Nodwell)

Date: Wed. Jan 25, 2017

Time: 10:00 am

Place: Rosebrugh Building, Rm 211
164 College Street