

応用生命工学・微生物学研究室 特別セミナー

Lab of Microbiology, Dept of Biotechnology Special Seminar

Tuesday October 9, 2018, 1 PM – 2 PM

Food Sci Bldg #102 / フードサイエンス棟 102講義室

**“Natural Products Discovery from Unusual Sources:
Development and Application of Novel Isolation Methods”**



Dr. Roger LININGTON

Associate Professor, Department of Chemistry, Simon Fraser University, Canada

“Although natural products chemistry is now a mature field dating back over 80 years, much of the chemistry discovered to date is derived from just a few genera. Recently genomic and metagenomic analyses have revealed novel areas of taxonomic space with the capacity to produce interesting and unique natural products structures. Our research group has been developing methods to selectively isolate and characterize organisms from these under-explored organisms for natural products discovery. A new generalizable method for selective microbial isolation will be presented, and an example of application to the genus Burkholderia discussed. Parallel metabolomic analysis of actinobacterial and Burkholderia libraries will also be presented, highlighting the overlap and novelty between these two sources of natural products structures.”

Please contact Shinichi Nishimura / 西村 慎一 (anshin@mail.ecc.u-tokyo-ac.jp; ex. 25162)
with any questions.