May 19, 2017 from 1:00-5:00 pm Bannatyne Campus,
Theatre B - Basic Medical Sciences Bldg.

Agenda

1:00 PM  INTRODUCTION
1:05 PM  Dr. Nicola Cartwright, MSc candidate, Medical Microbiology
         “Examination of Escherichia coli gradually exposed to various cationic antimicrobials to identify altered lipids and membrane proteins”
1:20 PM  Matthew Choy, MSc candidate, Medical Microbiology
         “esaSR: a novel two-component system involved in growth and antimicrobial resistance of Burkholderia cenocepacia K56-2”
1:35 PM  Alexander Diamandas, MSc candidate, Microbiology
         “Mutation of classical porin PhoE results in attenuated virulence of Serratia marcescens”
1:50 PM  Andrew Hogan, MSc candidate, Microbiology
         “Enhanced sensitivity to the novel antimicrobial benzothiadiazole c109 is caused by underexpressing the essential cell division protein, FtsZ”
2:05 PM  BREAK
2:20 PM  Vanessa Kornelsen, MSc candidate, Microbiology
         “AdeL-independent regulation of AdeFGH RND pump in Acinetobacter baumannii”
2:35 PM  Carmine Slipski, MSc candidate, Medical Microbiology
         “The influence of altering anionic phospholipid membrane composition on cationic substrate specific multidrug efflux pump activity in Escherichia coli”
2:50 PM  Ronald Domalaon, PhD candidate, Chemistry
         “Development of polymyxin-aminoglycoside antibiotic heterodimers: synthesis and antibacterial properties of polymyxin B3-tobramycin hybrids”
3:05 PM  Malaka De Silva, PhD candidate, Microbiology
3:20 PM  BREAK
3:35 PM  Alyssa Golden, PhD candidate, Medical Microbiology
3:50 PM  Xuan Yang, PhD candidate, Chemistry
         “A tobramycin vector enhances synergy and efficacy of efflux pump inhibitors against multidrug-resistant Gram-negative bacteria”
4:05 PM  Andrew Denisuik, MD-PhD candidate, Medical Microbiology
         “Genomic epidemiology and characterization of extended-spectrum β-Lactamase-producing Escherichia coli and Klebsiella pneumoniae in Canadian hospitals: Results of the CANWARD study 2007 to 2016”
4:20 PM  JUDGING AND AWARDS