Poster Competition Abstract Titles

Tuesday, June 19th, from 3:00 - 5:00 PM

Presenting students are to be by their posters from 3:00 – 5:00 PM to respond to judges’ questions.

Note: AEM: Applied Environmental Microbiology
II: Infection and Immunity | MGCM: Molecular Genetic Cellular Microbiology

AEM PC 01
Isolation and Characterization of Novel Microorganisms from the Canadian High Arctic using the Cryo-iPlate
Olivia BLENNER-HASSETT, McGill University, Macdonald Campus, E MARCOLEFAS1, L.G. WHYTE1, 1McGill University, Macdonald Campus

AEM PC 02
Exploring the cellulytic microbial diversity in landfills through metagenomic and cultivation approaches
Rebecca CO, University of Waterloo, LA HUG1, A COLLINS-FAIRCLOUGH2, 1University of Waterloo, 2University of Technology, Jamaica

AEM PC 03
Characterization of the microbiome of the thick-billed murre and its association with prey specialization and mercury
Esteban GÓNORA, McGill University, Macdonald Campus, L WHYTE1, KH ELLIOTT1, 1McGill University, Macdonald Campus

AEM PC 04
Response of the soil bacterial community to crops and weeding levels from a long term field experiment
Leila KAMINO, University of Manitoba, E. KHAFIPOUR1, R.H GULDEN1, 1University of Manitoba

AEM PC 05
Evaluation and characterization of Shiga-toxin- producing Escherichia coli, Salmonella enterica, and Pseudomonas spp. in multi-species biofilms
Someshwar LATCHMAN, University of British Columbia Okanagan, L.M. NELSON1, B.J. SUSAN2, 1University of British Columbia Okanagan, 2Agriculture and Agri-Food Canada Pacific Agri-Food Research Centre

AEM PC 06
Microbiological investigation of lava tube ice for determining its habitability on Mars
Brady O’CONNOR, McGill University, Macdonald Campus, RJ LÉVEILLÉ1, LG WHYTE1, 1McGill University

AEM PC 07
Effect of iron on the characterization and biofilm formation ability of Salmonella spp. on spinach
Deanna PASQUALE, University of British Columbia Okanagan, L.M. NELSON1, S.J. BACH2, 1University of British Columbia Okanagan, 2Agriculture and Agri-Food Canada Pacific Agri-Food Research Centre
AEM PC 08
Antibiotic Resistant Bacterial Communities in a Municipal Wastewater Treatment Facility
Jennifer RUSSELL, University of Regina, C. K. YOST1, 1University of Regina

II PC 01
Characterization of a novel response regulator, NbmR, involved in antibiotic susceptibility and virulence in Acinetobacter baumannii
Malaka DE SILVA, University of Manitoba, A KUMAR1, 1University of Manitoba

II PC 02
Competitive fitness of essential gene knockdowns reveals a broad-spectrum antibacterial inhibitor of the cell division protein FtsZ
Andrew HOGAN, University of Manitoba, VC SCOFFONE2, V MAKAROV3, H TESFU1, MS STIETZ1, AK BRASSINGA1, M DOMARATZKI1, A AZZALIN2, LR CHIARELLI2, G RICCARDI2, S BURONI2, ST CARDONA1, 1University of Manitoba, 2University of Pavia, 3Federal Research Center of the Russian Academy of Sciences

II PC 03
Bioluminescent Salmonella Strains to Study Host - Pathogen Interaction in Chicken
Dinesh WELLAWA, University of Saskatchewan, S LAM1, K MACKENZIE1, A WHITE1, W KOESTER1, 1University of Saskatchewan

II PC 04
Proteomic Delineation of Mosquito and Mammalian Cell Dysregulation after Zika Virus Infection
Kathleen GLOVER, University of Manitoba, AAS SHER1, YTL LAO1, VC SPICER1, KMC COOMBS1, 1University of Manitoba

II PC 05
Discovery of a short proline-rich lipopeptide that enhances the antibacterial activity of minocycline and rifampicin against multidrug- and extensively drug-resistant Pseudomonas aeruginosa
Ronald DOMALAON, University of Manitoba, Y. SANCHAK1, G. G. ZHANEL1, G. ARTHUR1, F. SCHWEIZER1, 1University of Manitoba

II PC 06
Identifying novel anti-infective drugs against Pseudomonas aeruginosa using a combined computational and experimental screening approach
Wing Yin Venus LAU, Simon Fraser University, R. LO1, T. PETERSEN1, J. BHANGU1, P.D. WILSON1, L. XIE2, F.S.L. BRINKMAN1, 1Simon Fraser University, 2Hunter College

II PC 07
Characterization of Ebolavirus cell tropism in isolated primary cells and in a 3D blood-testes barrier co-culture model
Brayden SCHINDELL, University of Manitoba, A. L. WEBB1, G. SOULE2, D. SAFRONETZ2, J. KINDRACHUK1, 1University of Manitoba, 2Public Health Agency of Canada
Response of human induced pluripotent stem cells to Influenza infection
Ali Zahedi Amir, University of Manitoba, GLS Sequiera¹, SD Dhimagra¹, KMC Coombs¹, ¹University of Manitoba

Ribitol catabolism by Rhizobium leguminosarum affects competition for nodulation
Deborah Buhlers, University of Calgary, M.F. Hynes¹, ¹University of Calgary

Functional analysis of a structurally complex ECF anti-σ factor from Bacillus subtilis
Maria Davis, University of New Brunswick, SR Maclellan¹, ¹University of New Brunswick

A LacZ reporter for the study of the role of Rgg/SHP homologs in Streptococcus pneumoniae Quorum Sensing
Duoyi Hu, University Of Illinois at Chicago, D.M. Morrison¹, M.F. Federle¹, ¹University Of Illinois At Chicago

Investigating Lactococcus lactis response to phage infection at the proteome level
Marie-Laurence Lemay, Université de Laval, A.O. Otto², S.M. Maaß², K.P. Plate², D.B. Becher², S.M. Moineau¹, ¹Université de Laval, ²University of Greifswald

Serum reduced media impacts on cell viability and cellular protein expression in human lung epithelial cells
Md Mahamud ur Rashid, University of Manitoba, K.M. Coombs¹, ¹University of Manitoba

MLJD1: a novel protein from Enterococcus faecalis involved in cell division
Kusum Sharma, University of Saskatchewan, Prof. Dillon¹, ¹University of Saskatchewan

Conjugative Complexities: Defining the requirements for transfer of Rhizobium leguminosarum plasmid pRleVF39b
Nandun Wathugala, University of Calgary, H. Ding², M.F. Hynes¹, ¹University of Calgary, ²University of British Columbia

The effects of environmental and genetic factors on the germination of basidiospores in the Cryptococcus gattii species complex
Man You, McMaster University, JP Xu¹, ¹McMaster University