

## Trent Workshop – IMSC 2016, Toronto, ON

### Monday August 22, 2016

- 5:45      *Mechanism of Protein Supercharging by Sulfolane and m-NBA: Molecular Dynamics Simulations of the Electrospray Process*  
Haidy Metwally, Lars Konermann (Western)
- 6:00      *Global metabolomics approach for identifying acetaminophen dose-dependent metabolites using HRMS and MRM*  
Ghazaleh Moghaddam and Lekha Sleno (Universite du Quebec a Montreal)
- 6:15      *Dual-spray reactions: A new method of synthesizing coordination complexes within the electrospray ionization source*  
Shaan Rashid and Paul Mayer (Ottawa)
- 6:30      *Structure, thermochemistry, and reactivity studies of gas-phase alkali metal-coordinated monomer and trimers of ProLeu vs LeuPro dipeptide sequences*  
Yasaman Jami-Alahmadi and Travis D. Fridgen (Memorial)
- 6:45      *The Electrostatic Linear Ion Trap: A Compact, Low-Power, Fourier Transform Mass Spectrometer with Tandem MS Capabilities*  
Eric Dziekonski, Ryan Hilger, Josh Johnson, Scott McKlucky and Robert Santini (Purdue)

### Tuesday August 23, 2016

- 5:45      *Exploring Mode-Selective Ligand Scrambling of Palladium Catalysts*  
Patrick Carr, C. Zhan, Richard Marta, Mike Burt, Terry McMahon, Eric Fillion, and Scott Hopkins (Waterloo)
- 6:00      *Multidimensional mass spectrometry of peptides and proteins conjugated with poly(ethylene glycol)*  
Selim Gerislioglu and Chrys Wesdemiotis, University of Akron
- 6:15      *Application of Tandem Mass Spectrometry:  $[b_3+H]^{2+}$  and  $[a_3+H]^{2+}$  derived from Lanthanide-Peptide Complexes*  
Yating Wang, Alan Hopkinson and Michael Siu (York University)
- 6:30      *Evaluation of the derivatization of organic thiols with N-substituted maleimides*  
Mariana Russo, Alexander Paquet, Dajana Vuckovic (Concordia)
- 6:45      *Solution phase charge inversion of methylated phosphatidylcholine for the identification of fatty acyl components via collision induced dissociation*  
Sam Sheilds, Jeff Smith, Jeffrey Manthorpe, Stewart Bigelow (Carleton)

### Wednesday August 24, 2016

- 5:45      *Tandem mass spectrometry determination of the structure of a heterogeneous mixtures of Lipid A's isolated from series of related lipopolysaccharides isolated from the Gram-negative bacteria *Aeromonas liquefaciens**  
Mervt Mohammad Almostafa, Joeseeph Banoub, and Travis D. Fridgen (Memorial)
- 6:00      *A Multi-Method Assessment of Photoirradiated Dissolved Organic Matter*  
Sohidul Islam and Celine Gueguen (Trent University)
- 6:15      *Glycan Composition and Charge State Influence upon Collision Cross Sections of High Mannose N-Linked Glycopeptides*

- 6:30 Abby Gelb and Eric Dodds (University of Nebraska – Lincoln)  
*A Quantitative Approach using LC-MS in Hepatitis C Virus NS2-3 Protease Autolysis Inhibition*
- 6:45 Maxime Sansoucy and Lekha Sleno, (Universite du Quebec a Montreal)  
*Scattering resonance fingerprints in CID mass spectra of PAHs*  
Eduardo A. Solano, Sabria Mohammed, Paul M. Mayer (University of Ottawa)