Subject to Change

Thursday, May 4, 2017			
8:15 - 8:45	Registration, pick up badges - Lobby Desmarais Building, U Ottawa		
8:55	Conference Start, Introductions		
Conference Sessions - Room 1160			
Imaging, Ionization and Clinical Applications			
9:00 - 9:40	PLENARY SPEAKER Vladimir Baranov, Fluidigm Canada Inc. Imaging of life and its practical challenges		
9:40 - 10:10	Pierre Chaurand, Universite de Montreal Metal-assisted LDI for high resolution imaging MS of neutral lipids from thin tissue sections		
10:10 - 10:30	Nidia Lauzon, Universite de Montreal Winner #1 of the Bill Davidson Graduate Student Travel Award Forensic analysis of latent fingermarks by silver-assisted LDI (AgLDI) imaging MS (IMS) on non- conductive surfaces. SPONSORED BY SCIEX		
10:30 - 10:45	3 - 5 min Poster Talks Brandi West, University of Ottawa Quantifying α-MSH peptides in mouse pituitary using MALDI-FTICR imaging Ethan Yang, Université de Montréal Enhancing Ganglioside Species Detection for MALDI Imaging Mass Spectrometry Aafreen Kaur Bagga, York University Alcohol consumption during gestation period alters phospholipid distribution in developing fetal brain		
10:45 - 11:15	Coffee Break - Lobby Desmarais Building, U Ottawa		
11:15 - 11:45	Richard Oleschuk, Queen's University "Water Fearing" Materials for Making and Manipulating Droplets		
11:45 - 12:15	5 - 5 min Poster Talks Xiaojing Huang, York University Characterizing lipocalin 2 dynamics upon siderophore and iron binding using electrospray ionization mass spectrometry Irina Oganesyan, York University Structural Analysis of Membrane Proteins by Time-Resolved Hydrogen/Deuterium Exchange Mass Spectrometry (TRESI-HDX MS). Reza Pourhaghighi, University of Toronto Protein-Protein Interaction Network of Mammalian Brain Revealed by Large-scale Biochemical- Profiling-Mass Spectrometry (BP/MS) Lisa Szymkowicz, York University Phospholipid-based model membrane system for hydrogen-deuterium exchange mass spectrometry of membrane proteins Michael Cohen, York University, Sanofi Pasteur Characterizing the Immune Response to Novel Vaccine Candidates in a Human Whole Blood Assay Using High-Dimensional Single Cell Proteomics		

Thursday, May 4, 2017		
12:15 - 1:30	Lunch Seminar Room 1160 - Desmarais Building, U Ottawa, Sponsored by Bruker	
	Proteomic Profiling for Biomarker Discovery and Validation using a Bruker Impact II Q-TOF, Gary H. Kruppa, Ph. D., Vice President 'Omics, Bruker Daltonics Inc., Billerica, MA	
	Quallitative Proteomics in Forensics - a case study. Leonard Foster, University of British Columbia	
1:30 - 2:00	Kevin Bateman, MERCK Quantitation of Therapeutic Proteins Using Mass Spectrometry	
2:00 - 2:20	Timon Geib, Université du Québec à Montréal Absolute Quantitation of Modified Human Serum Albumin for Accurately Monitoring Acetaminophen-Related Hepatotoxicity	
2:20 - 2:40	Ghazaleh Moghaddam, Université du Québec à Montréal Proteomic analysis of mouse and rat liver after acetaminophen treatment by 2D-LC-HRMS/MS	
2:40 - 3:00	David Simon, Queen's University Winner #2 of the Bill Davidson Graduate Student Travel Award Improving Sensitivity and Reducing Duty Cycle with Novel Multi-Electrospray Ionization Emitters SPONSORED BY SCIEX	
3:00 - 3:30	Coffee Break, Lobby Desmarais Building, U Ottawa	
3:30 - 4:00	Jeff Agar, Northeastern University A metabolic labeling approach for intact protein half-life determination in any organism	
4:00 - 4:20	4 - 5 min Poster Talks Vinod Vashistha, GLA University, Mathura RP-HPLC Enantioseparation of (RS)-Ketamine in human plasma via Chiral Derivatization Based on (S)-Levofloxacin Sean Overton, University of Ottawa Portable FT-IR Spectroscopy; an in-field analysis of substandard antibiotics Mathieu Lavallée-Adam, University of Ottawa TargetSeeker-MS: A Bayesian Inference Approach for Drug Target Discovery using Protein Fractionation Coupled to Mass Spectrometry André LeBlanc, McGill University - Lady Davis Institute Multiplexed MRM-based Protein Quantitation Using Two Different Stable Isotope Labeled Peptides for Calibration	
4:20 - 4:40	Uros Kuzmanov, Donnelly Centre, University of Toronto Next Generation Cardiac Phosphoproteomics: From Sample Preparation to Data Interpretation in a Mouse Model of Dilated Cardiomyopathy	
4:40 - 5:00	Irina Slobodchikova, Concordia University LC-MS assay for quantification of 17 mycotoxins in human plasma	
5:00 - 5:30	Philip Britz-McKibbin, McMaster University The Sweat Metabolome of Screen-Positive Cystic Fibrosis Infants: Revealing Mechanisms Beyond Impaired Chloride Transport	
5:30 - 7:00	POSTER SESSION & COCKTAIL RECEPTION Lobby Area of Desmarais Building	

Friday, May 5, 2017			
8:15 - 8:45	Registration & Breakfast Seminar, Sponsored by SCIEX - Room 1160 Introducing the New X500B QTOF Mass Spectrometer for a simpler LC-MS solution for routine biomolecular characterization of proteins, lipids and metabolites Brigitte Simons, SCIEX, Concord, Ontario, Canada		
Lipids, Screening and Structural MS			
9:00 - 9:40	PLENARY SPEAKER - 2017 Ken Standing Award Winner Leonard Foster, University of British Columbia Developing and applying proteomics in agriculture and medicine SPONSORED IN PART BY UNIVERSITY OF MANITOBA		
9:40 - 10:00	Carlos Canez, Carleton Mass Spectrometry Center Recent improvements in TrEnDi to increase the sensitivity and selectivity of plasmalogen PE and plasmalogen PC lipids		
10:00 - 10:20	Katrin Blank, Carleton University Exploration of glycerophospholipid dynamics during hibernation and freeze tolerance		
10:20:10:50	Gillian Thomas, Carleton University Optimization of Trimethylation Enhancement using Diazomethane (TrEnDi) derivatization for MS-based analysis of sphingomyelin and cardiolipin		
10:50 - 11:20	Coffee Break Seminar - Room 1160, Utilization of High Resolution Accurate Mass LCMS for Large Molecule Quantitation Keeley Murphy, Senior Marketing Specialist - Pharma/Biopharma, Thermo Fisher Scientific		
11:20 - 11:50	Catherine Costello, Boston University Divide and Conquer Strategies for Glycan Structural Determinations		
11:50 - 12:10	Prem Kumarathasan, Health Canada Proteomic analyses in environmental particle toxicity testing		
12:10 - 12:30	Maxime Sansoucy, Université du Québec à Montréal Comparative mussel proteomics for studying proteins associated to byssus filament formation by 2D-LC-MS/MS		
12:30 - 1:30	LUNCH BREAK - Free Time		
1:30 - 2:00	Daniel Figeys, University of Ottawa Exvivo screening of human gut microbiome by RapidAIM		
2:00 - 2:20	Samuel Shields, Carleton University Solution phase charge inversion of methylated phosphatidylcholine for the identification of fatty acyl components via collision induced dissociation		
2:20 - 2:40	Haidy Matwally, University of Western Ontario Molecular dynamics simulations of the electrospray process, why do crown ethers suppress protein supercharging?		

	Friday, May 5, 2017
2:40 - 3:00	Coffee Break, Lobby Desmarais Building, U Ottawa
3:00 - 3:30	Christoph Borchers, UVic Genome BC Proteomics Centre New Developments in Crosslinking-based Structural Proteomics
3:30 - 4:00	Derek Wilson, York University Hydrogen Deuterium Exchange in Biopharmaceutical Drug Development
4:00 - 4:30	Ann English, Concordia University Factors affecting the protein interactions found in GST-Ccp1 pulldowns from yeast cells
4:30	Closing Remarks and Conference End