

**Agenda for the 6th Multidimensional Chromatography Workshop
Jan 6 & 7, 2015 in Toronto, Canada**

Tuesday, January 6th

8:30 am	Registration/Coffee
8:50 am	Opening Remarks - Joseph Odumeru , Director LaSB
9:00 am	GCxGC as Applied to Environmental Exposure and Forensics: Where We have Been and Where We are Going? Frank Dorman (<i>Pennsylvania State University</i>)
9:30 am	GCxGC-TOFMS for a Journey to the Heart the Secret World of Trappist Beers J.-F. Focant (<i>University of Liege</i>)
9:50 am	Solving the mystery of 'bananagrams' in GCxGC Tadeusz Gorecki (<i>University of Waterloo</i>)
10:10 am	Morning Break
10:40 am	Using accurate mass information to examine the data from GCxGC/TOFMS analyses. Mass defects and more Chip Cody (<i>JEOL USA</i>)
11:00 am	Comprehensive Two-Dimensional Gas Chromatography and Direct Probe Coupled to Atmospheric Pressure Chemical Ionization-High Resolution Time-of-Flight-Mass Spectrometry for the screening of flame retardants Ana Ballesteros-Gómez (<i>IVM-VU University Amsterdam</i>)
11:20 am	Detection, quantification, and partitioning property estimation of less-studied bioaccumulative pollutants in aquatic environments using GCxGC-ENCI-TOFMS and GCxGC- μ ECD Samuel Arey (<i>Ecole Polytechnique Fédérale de Lausanne (EPFL)</i>)
11:40 am	Powerful solutions for tackling the most challenging problems: multidimensional chromatography and mass spectrometry solutions in untargeted 'omics' Marcus Kim (<i>Agilent Canada</i>)
12:00 pm	Lunch
12:50 am	Characterisation of SVOC from diesel exhaust emission using GCxGC-ToF-MS Salim Alam (<i>University of Birmingham</i>)
1:10 pm	Arsonous Wildfires – stepping into the next dimension Phil Richards (<i>Chemistry Matters</i>)
1:30 pm	Data Mining and Analysis of Target and Non-Target Active Ingredients in Natural Products using GCxGC-TOFMS Michelle Misselwitz (<i>Restek Corporation</i>)
1:50 pm	Automated, objective data reduction strategies for the chemometric treatment of raw GCxGC-TOFMS data James Harynuk (<i>University of Alberta</i>)
2:10 pm	Screening the MS Dimension of Comprehensive Two-Dimensional Chromatography Data Q. Tao (<i>GC Image, LLC</i>)
2:30 pm	Afternoon Break
2:50 pm	Exhaled Breath Condensate Analysis by GCxGC/TOF MS J.-M. D. Dimandja (<i>Spelman College</i>)
3:10 pm	GCxGC-TOFMS analysis of buried remains to determine the odour available to cadaver-detection dogs Shari Forbes (<i>University of Technology, Sydney (UTS)</i>)
3:30 pm	Measurement of Human Internal Cadaveric VOCs by GCxGC-HRTOFMS P.-H. V. Stefanuto (<i>University of Liege</i>)
3:50 pm	Assessment of the seasonal variability in forensic decomposition odour profiling by GCxGC-TOFMS Katelynn Perrault (<i>University of Technology, Sydney (UTS)</i>)

Wednesday January 7th

8:30 am	Coffee
9:00 am	Environmental Forensics Determination of Emerging Contaminants in Wastewater Samples Sarah Prebihalo (<i>Pennsylvania State University</i>)
9:20 am	Benefits x Benefits with True Peak Capacity Increase GCxGC Jack Cochran (<i>Restek Corporation</i>)
9:40 am	High Performance Comprehensive Two-Dimensional Gas Chromatography – High Resolution Time-of-Flight Mass Spectrometry: Are We There Yet? Mark Merrick (<i>Leco Corporation</i>)
10:00 am	Environmental Forensic Investigation of Disease Cluster Samples by GCxGC-TOFMS Maura McGonigal (<i>Pennsylvania State University</i>)
10:20 am	Morning Break
10:45 am	GCxGC/ToF-MS Analysis of Technical Pesticide Mixtures for Characterization and Occurrence in Southern California Dolphins Susan Mackintosh (<i>San Diego State University</i>)
11:05 am	The use of scripting filters for the identification of potential novel persistent organic pollutants following GCxGC-ToF MS analysis Miren Pena (<i>University of Toronto</i>)
11:25 am	GCxGC/ToF-MS analysis of PACs deposited in snow in the Athabasca Oil Sands Area of Alberta Carlos Manzano (<i>Environment Canada</i>)
11:45 am	Source identification and age dating PCB exposure of workers at a transformer dismantling plant David Megson (<i>Plymouth University</i>)
12:05 pm	Lunch
12:50 pm	Pyrolysis Coupled to Comprehensive Two-Dimensional Gas Chromatography Time of Flight Mass Spectrometry (GCxGC-TOFMS): An Application Compendium Jonathan Byer (<i>Leco Corporation</i>)
1:10 pm	How to use mass spectrometry as a new dimension to gas chromatography: Isomer analysis of atmospheric organics Arthur Chan (<i>University of Toronto</i>)
1:30 pm	New developments in GCxGC-TOF MS: Unlocking the power of soft ionisation with none of the hassle Laura McGregor (<i>Markes International</i>)
1:50 pm	Chromatographic separation of produced gas in shale gas reservoirs Farzam Javadpour (<i>University of Texas</i>)
2:10 pm	Afternoon Break
2:30 pm	Evaluation of a Single-Stage Consumable-Free Modulator for GC x GC: Analysis of Polychlorinated Biphenyls, Organochlorine Pesticides and Chlorobenzenes, Alina M. Muscalu (<i>University of Waterloo, Ontario Ministry of the Environment and Climate Change</i>)
2:50 pm	Sensitive and rapid untargeted screening for emerging toxicants by combining LC-MS with gene reporter assays via nanofractionation Willem Jonker (<i>IWM-VU University Amsterdam</i>)
3:10 pm	Time de-coupled liquid chromatography, a novel approach to multidimensional liquid chromatography Pete Claise (<i>Waters</i>)
3:30 pm	Use of a new comprehensive two dimensional LC device to solve emerging analytical challenges Robert Ellis (<i>Mandel Guelph</i>)
3:50 pm	Unbiased identification and quantification of complex protein mixtures by partition chromatography with random and independent sampling for statistical analysis by SQL and ANOVA with confirmation by drugs, siRNA and ELIMSA John Marshall (<i>Ryerson University</i>)