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JOINT EVENT

Proceedings of
18th International Conference on

World Analytical Chemistry & Mass Spectrometry

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World HPLC, Separation Techniques & Pharmacovigilance

August 29-30, 2018 | Toronto, Canada



Day 1 August 29, 2018

Conference Hall: Dorothy Hall

08:00-08:45 Registrations

08:45-09:00 Opening Ceremony

Keynote Forum

	Introduction
09:00-09:30	**Title: Molecular characterization of synthetic polymers with help of liquid chromatography** **Dusan Berek,** Polymer Institute of the Slovak Academy of Science, Slovakia
09:30-09:35	Questionnaires
09:35-10:05	**Title: Aligning industrial R&D with academia to better utilize analytical science to produce positive outcomes** **David M Parish,** Sherwin-Williams Company, USA
10:05-10:10	Questionnaires
10:10-10:40	**Title: Fabric Phase Sorptive Extraction (FPSE): A novel strategy in metabolomics sample preparation for disease biomarker discovery** **Abuzar Kabir,** International Forensic Research Institute, USA
10:40-10:45	Questionnaires
	Networking & Refreshment Break 10:45-11:00 @ Dorothy Hall
11:00-11:30	**Title: Overcoming challenges in the analysis of *cannabis* and derived products** **Rob O'Brien,** Supra Research and Development, Canada
11:30-11:35	Questionnaires

Group Photo 11:35-11:45

Workshop

11:45-12:25	**Title: Retention mechanisms in liquid chromatography of synthetic polymers** **Dusan Berek,** Polymer Institute of the Slovak Academy of Science, Slovakia
12:25-12:30	Questionnaires

Lunch Break 12:30-13:30 @ Dorothy Hall

13:30-14:00	**Title: Advances in determination of Alzheimer's β-amyloid peptide** **Yintang Zhang,** Shangqiu Normal University, China
14:00-14:05	Questionnaires

Sessions:
Polymer and Material Chemistry | Disease Detection and Formulation Development | Good Pharmacovigilance Practice | Mass Spectroscopy and Gas Chromatography | Hyphenated HPLC Methods | Electrophoresis | Principles and Applications of HPLC | Chromatography | Analytical Chemistry | Nuclear Magnetic Resonance

Session Chair: Dusan Berek, Polymer Institute of the Slovak Academy of Science, Slovakia

Session Chair: David M Parish, Sherwin-Williams Company, USA

Session Co-chair: Brigitte Simons, Molecular Science Corp., Canada

Session Introduction

14:05-14:25	**Title: Combinatorial model of chromatography applied on optimizing operational conditions in SEC** **Milos Netopilik,** Institute of Macromolecular Chemistry, Czech Republic
14:25-14:30	Questionnaires
14:30-14:50	**Title: Determination of the concentration of benzoic acid and sorbic acid in ready to serve products using High Performance Liquid Chromatography (HPLC)** **H W C Krishanthi Karunarathne,** Government Analyst Department, Sri Lanka
14:50-14:55	Questionnaires
15:00-15:20	**Title: Fabrication of a magnetic molecularly imprinted polymer for pre-concentration and cleanup of sarcosine, a prostate cancer metabolic biomarker, in urine prior to capillary electrophoresis determination** **Zahra Ramezani,** Ahvaz Jundishapur University, Iran
15:20-15:25	Questionnaires

Networking & Refreshment Break 15:25-15:45 @ Dorothy Hall

15:45-16:05	**Title: Area under the receiver–operating characteristics as a model for evaluating and predicting biomarkers of early renal tubular damage in subjects occupationally exposed to lead** **Ishiaq Omotosho,** University of Ibadan, Nigeria
16:05-16:10	**Questionnaires**
16:10-16:30	**Title: Effects of policosanol in the functional recovery of ischemic stroke hypertensive patients** **Julio C Fernandez Travieso,** National Centre for Scientific Research, Cuba
16:30-16:35	**Questionnaires**
16:35-16:55	**Title: Biosensing approaches for lysozyme detection with graphene oxide-coated plasmonic interfaces** **Alina Vasilescu,** International Centre of Biodynamics, Romania
16:55-17:00	**Questionnaires**

Panel Discussion

Networking & Business to Business Meeting 17:00-17:30

Day 2 August 30, 2018

Conference Hall: Dorothy Hall

Keynote Forum

09:00-09:40	**Title: Differentiating *cannabis* products within the brands of the legalized adult use markets** **Brigitte Simons,** Molecular Science Corp., Canada
09:40-09:45	**Questionnaires**
09:45-10:25	**Title: Alcohol and drugs** **Manuela G Neuman,** University of Toronto, Canada
10:25-10:30	**Questionnaires**

Networking & Refreshment Break 10:30-10:45 @ Dorothy Hall

10:45-11:25	**Title: Fabric Phase Sorptive Extraction: A versatile sample preparation technology that meets the demands of twenty first century modern analytical laboratories** **Abuzar Kabir,** Florida International University, USA
11:25-11:30	**Questionnaires**
11:30-12:10	**Title: Applications of UPLC-MS QTOF in structural elucidation of small molecules** **Peng Chen,** Chemic Labs Inc., USA
12:10-12:15	**Questionnaires**

Workshop

12:15-12:55	**Title: HPLC method development and troubleshooting** **Marc Plante,** Boston Analyticals, USA
12:55-13:00	**Questionnaires**

Lunch Break 13:00-14:00 @ Dorothy Hall

14:00-14:40	**Title: An assessment of nurses' Knowledge Attitude and Practice (KAP) of pharmacovigilance** **Uchenna Samson Obi,** University Hospital of the West Indies, Jamaica
14:40-14:45	**Questionnaires**

Sessions: Analytical Chemistry and Engineering | Advances in Chromatography & HPLC Techniques | Pre-Clinical and Clinical Trials | Mass Spectrometry and Metabolomics | The Key Benefits of HPLC Systems | Analytical Chemistry in Agricultural Research | Method Development and Validation | Analytical Chemistry In Veterinary Drug Analysis | Sensor Modifications

Session Chair: Milos Netopilik, Academy of Sciences of the Czech Republic, Czech Republic

Session Chair: Peng Chen, Chemic Labs Inc., USA

Session Co-chair: Abuzar Kabir, International Forensic Research Institute, USA

Session Introduction

14:45-15:05	**Title: Separation of parent homopolymers from block copolymers with advanced liquid chromatography methods** **Dusan Berek,** Polymer Institute of the Slovak Academy of Science, Slovakia
15:05-15:10	**Questionnaires**
15:10-15:30	**Title: (Not Yet Disclosed)** **Lounès Haroune,** Pharmacology Institute of Sherbrooke, Canada
15:30-15:35	**Questionnaires**

Networking & Refreshment Break 15:35-15:50 @ Dorothy Hall

Poster Presentations 15:50-16:50	
Poster Judges: **Marc Plante,** Boston Analyticals, USA **Manuela G Neuman,** University of Toronto, Canada	
WACC 01	**Title: Electrochemical sensors coated with prGO coated enable to capture different aggregation behaviors of proteins and peptides** **Alina Vasilescu,** International Centre of Biodynamics, Romania
WACC 02	**Title: Structural investigation of Fe(III) and Ga(III) complexes with aromatic hydrazones by ESI MS/MS** **Nives Galic,** University of Zagreb, Croatia
WACC 03	**Title: A new marker system for neem oil** **Caijun Zhang,** Terramera Inc., Canada
WACC 04	**Title: What about dried blood spot for cannabinoid quantification?** **Lounès haroune,** Pharmacology Institute of Sherbrooke, Canada
WACC 05	**Title: A simple analytical method for the detection and quantification of a pharmaceuticals and pesticides in complex environmental matrices** **Sabrina Saibi,** Université de Sherbrooke, Canada
HPLC 01	**Title: Platform Size Exclusion Chromatography (SEC) method development for a broad range of monoclonal antibodies** **Isil Yasa,** Bristol-Myers Squibb, USA
HPLC 02	**Title: LC-MS analysis of intact amino acids on a novel mixed-mode HPLC column** **Itaru Yazawa,** Imtakt Corporation, Japan
HPLC 03	**Title: Comparison of immune cells subsets, *ex-vivo* and *in-vivo* expression of T cell activation and memory marker between LNC and corresponding PBMC from calves exposed to natural mycobacterium bovis infection** **Fekadu Desta,** Addis Ababa University, Ethiopia
Drug 01	**Title: Effects of policosanol in older patients consuming nitrates vasodilators** **Julio C Fernandez Travieso,** National Centre for Scientific Research, Cuba
Drug 02	**Title: Concomitant use of policosanol and antiplatelet drugs in older patients** **Julio C Fernandez Travieso,** National Centre for Scientific Research, Cuba
Video Presentations	
16:50-17:10	**Title: New trends in sample miniaturization and its applications: On-chip devices** **Maria Ramos Payan,** University of Seville, Spain
17:10-17:30	**Title : Industrial roots of green chemistry and the history of the BHC Ibuprofen invention and it's quality inspirations** **Mark A. Murphy,** UVLaw Patents LLC, USA
17:30-17:50	**Title: Potentiometry as a tool for monitoring of antioxidant activity** **Yan Kazakov** (on behalf of **Kh Brainina**), JSC Medical Technology, Russian Federation
17:50-18:10	**Title: A portable chip for microextraction and subsequent optical detection in a single step. Determination of norfloxacine in water samples** **Maria Ramos Payan,** University of Seville, Spain
e-Poster Presentations	
WACC 01	**Title: Validation and development of an optical detection microfluidic device for the determination of antibiotics in environmental waters** **Maria Ramos Payan,** University of Seville, Spain
WACC 02	**Title: Manufacturing and optimization of a microfluidic device LEGO portable for optical detection-Photonic lab on a chip** **Maria Ramos Payan,** University of Seville, Spain
WACC 03	**Title: A quantitative description of the kinetic and concentration regularities of bioanalytical techniques** **Dmitriy V Sotnikov,** Russian Academy of Sciences, Russia
Panel Discussion	
Networking & Business to Business Meeting 18:10-18:30	
Award & Closing Ceremony	

Upcoming Conferences

20th International Conference on
Computer Aided Drug Designing and Drug Delivery
September 24-25, 2018 | Chicago, USA

24th World Chemistry and Systems Biology Conference
October 03-04, 2018, 2018 | Los Angeles, USA

19th International Conference on
Medicinal Chemistry & Multi Targeted Drug Delivery
November 05-06, 2018 | San Francisco, USA

28th International conference on
Chemistry & Drug Designing 2018
December 05-06, 2018 | Vancouver, Canada

