

Scientific Program

International Conference and Exhibition on

Advances in HPLC & Chromatography Techniques

March 14-15, 2016 London, UK

OMICS International Conferences

2360 Corporate Circle, Suite 400 Henderson, NV 89074-7722, USA

Ph: +1-888-843-8169, **Fax:** +1-650-618-1417, **Toll free:** +1-800-216-6499

Email: hplc@conferenceseries.com; hplc@conferenceseries.net; hplc@insightconferences.com

Gates



Opening Ceremony

Keynote Forum

- 09:55-10:00 **Introduction**
- 09:30-10:00 **Boguslaw Buszweski**
Nicolaus Copernicus University, Poland
- 10:00-10:30 **Kal Karim**
University of Leicester, UK
- 10:30- 11:00 **Gerhard Kratz**
ABCR GmbH & Co. KG, Germany

Group Photo

Networking & Refreshments Break 11:00-11:20

- Track 1: Advances in Various Chromatographic Techniques
- Track 2: Fundamentals and Advances in Liquid Chromatographic Separation
- Track 3: Advances in HPLC Instrumentation
- Track 4: Hyphenated HPLC methods
- Track 5: Chip Based Separations

Session Chairs: **Jacob de Boer**, VU University, The Netherlands
Boguslaw Buszweski, Nicolaus Copernicus University, Poland

Session Co-chair: **Kal Karim**, University of Leicester, UK

Session Introduction

- 11:20-11:45 **Development of analytical fingerprints for the quality control of snake venoms raw substances**
Gaëlle Coussot, University de Montpellier, France
- 11:45-12:10 **Novel high performance polymer-based anion exchangers for ion chromatography**
Aleksandra Zatirakha, Lomonosov Moscow State University, Russia
- 12:10-12:35 **Study of amphiphile molecules by RP-UHPLC-DAD/CAD for vectorization applications**
Karen Gaudin, University of Bordeaux, France
- 12:35-13:00 **Hydrodynamic chromatography coupled to ICP-MS for studying nanoparticles in complex media**
Allan Philippe, Koblenz-Landau University, Germany

Lunch 13:00-14:00

- 14:00-14:25 **Micro/nano fluid handling system using surface acoustic wave**
Hiroki Kuwano, Tohoku University, Japan
- 14:25-14:50 **The Orthogonal Pressurized Planar Electrochromatography (OPPEC) - its application to micro-preparative separation**
Rafal Gajos, Medical University of Lublin, Poland
- 14:50-15:15 **Application of polyvinylpyrrolidone-polystyrene composite nanofibers coupled with high performance liquid chromatography in the analysis of several polar molecules**
Lanling Chu, Southeast University, China
- 15:15-15:40 **Cell-type metabolic analysis: A new tool for understanding metabolic heterogeneity**
Arieh Moussaieff, Hebrew University, Israel

Networking & Refreshments Break 15:40-15:50

- 15:50-16:15 **Comprehensive Multi-Dimensional Liquid Chromatography for Effect-Directed Analysis in Effluents and Surface Water**
Jacob de Boer, VU University, The Netherlands
- 16:15-16:40 **Headspace microextraction in packed sorbent coupled to cooling device as a new extraction technique for the HPLC determination of PAHs in soil samples**
Payman Hashemi, Lorestan University, Iran

Panel Discussion

Keynote Forum

- 10:00- 10:30** **Jacob de Boer**
VU University, The Netherlands
- 10:30-11:00** **Dusan Berek**
Slovak Academy of Sciences, Slovakia

Track 6: High Efficiency and High Resolution Techniques

Track 7: Method Development

Track 8: Chemometric Optimization

Track 9: Applications of HPLC

Track 10: Biochemical Applications

Session Chair: Dusan Berek, Slovak Academy of Sciences, Slovakia

Session Co-chair: Hiroki Kuwano, Tohoku University, Japan

Session Introduction

- 11:20-11:45** **Simultaneous Determination of Vitamin D-2, D-3 and their 25- Hydroxy Metabolites in Human Plasma by Ultra-Performance Liquid Chromatography**
Syed N Alvi, King Faisal Specialist Hospital & Research Centre, Saudi Arabia
- 11:45-12:10** **Proteolysis inside a coated capillary: new development for the Quality Control of therapeutic antibodies?**
Gaelle Cousot, University de Montpellier, France
- 12:10-12:35** **Using innovative combination of Quality by Design and green analytical chemistry approaches for the development of analytical methods in pharmaceutical sciences**
Ludivine Ferey, University of Bordeaux, France
- 12:35-13:00** **Two-dimensional Microscale Sample Pretreatment Technique for MS/MS Comprehensive Analysis of Complex Samples**
Donghao Li, Yanbian university, China

Lunch 13:00-14:00

Poster Presentation 14:00 - 15:00

- HPLC-P-01** **Application of Green Micellar UPLC for Analysis of the Anti-epileptic Levetiracetam and Its Toxic Impurity**
Nada Abdelwahab, Beni-Suef University, Egypt
- HPLC-P-02** **Development of a general gas chromatography method for the quantitation of residual solvents using a QbD approach**
Cátia Sousa, Hovione Farma Ciencia, Portugal
- HPLC-P-03** **UPLC method implementation: Saving time and costs**
Cátia Sousa, Hovione Farma Ciencia, Portugal
- HPLC-P-04** **Eco-friendly RP-HPLC DAD determination of the anticancer flutamide and its toxic synthesized metabolites**
Nehal Farid, Beni-Suef University, Egypt
- HPLC-P-05** **UPLC-C30 advances support approach to probe carotenoid isomers in Cyanobacteria inhabiting thermal springs in Saudi Arabia**
Hatem E M Abdelwahab, University of Jeddah, KSA
- HPLC-P-06** **Separation of enantiomers of selected chiral beta-agonists with polysaccharide-based chiral stationary phases and aqueous mobile phases**
Ann Gogolashvili, Tbilisi State University, Georgia
- HPLC-P-07** **Separation of enantiomers of selected chiral triazole derivatives with polysaccharide-based chiral stationary phases and aqueous mobile phases**
Lali Tchankvetadze, Tbilisi State University, Georgia
- HPLC-P-08** **Development of a stable and rapid UPLC quantification of vitamin C in food and pharmaceutical supplements**
Hassan M Albishri, King Abdulaziz University, Saudi Arabia
- 15:00-16:00** **Workshop on: Advanced Liquid Chromatography Methods for Comprehensive Molecular Characterization of Synthetic Polymers**
Dusan Berek, Slovak Academy of Sciences, Slovakia

Networking & Refreshments Break 16:00-16:15

- 16:15-16:40** **The methods for the determination of bioactive alkaloids of hallucinogenic mushrooms**
Anna Poliwoda, Opole University, Poland
- 16:40-17:05** **Sensitive and rapid HPLC-UV method with back-extraction step for the determination of sildenafil in human plasma**
Bayan Alkhawaja, University of Bath, UK
- 17:05-17:30** **Retention and Selectivity of Cogent Hydride™ based Stationary phases in Hydrophilic Interaction Liquid Chromatography (HILIC)**
Eman Santali, University of Strathclyde, UK

Award Ceremony