

Scientific Program

6th International Conference and Exhibition on

Analytical & Bioanalytical Techniques

September 01-03, 2015 Valencia, Spain



OMICS International Conferences:

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Valentia A



09:30-09:55

Opening Ceremony

Keynote Forum

- 09:55-10:00 **Introduction**
- 10:00-10:25 **Florence Geneste**
University of Rennes, France
- 10:25-10:50 **Aly Moussa**
Anses Lyon Laboratory, France

Network and Refreshment Break : 10:50-11:10 @ Foyer

Track 1: Novel Approaches to Analytical and Bioanalytical Methods

Track 2: Analytical Methodology

Session Chair: Tudor Arvinte, University of Geneva, Switzerland

Session Co-Chair: Radim Vespalec, Academy of Sciences of the Czech Republic, Czech Republic

Session Introduction

- 11:10-11:30 **Precise analysis of elements in silica powders by LA-ICP-MS**
Istvan Halasz, PQ Corporation, USA
- 11:30-11:50 **Analytical tasks stemming from therapeutical prospects of electron deficient boron cluster compounds**
Radim Vespalec, Academy of Sciences of the Czech Republic, Czech Republic
- 11:50-12:10 **Workshop on Importance of analytical methods to understand the complexity and diversity of protein aggregation**
Tudor Arvinte, University of Geneva, Switzerland
- 12:10-12:30 **New analytical methods to measure protein aggregates in biopharmaceuticals**
Tudor Arvinte, University of Geneva, Switzerland
- 12:30-12:50 **R&D of electrochemical sensors & instruments in ELMAT & SKLEAC**
Li Niu, Chinese Academy of Sciences, China

Group Photo

Lunch : 12:50-13:50 @ Aqua Restaurant

- 13:50-14:10 **Electrochemical preparation and characterization of gold nanoparticles graphite electrode: Application to myricetin antioxidant analysis**
Guan Huat Tan, University of Malaya, Malaysia
- 14:10-14:30 **Electrochemical DNA biosensors and their potential applications to nanobiotechnology**
Seda Nur Topkaya, Ege University School of Pharmacy, Turkey
- 14:30-14:50 **Determination of amlodipine in human plasma by liquid chromatography-tandem mass spectrometry and its application to pharmacokinetics & bioequivalence studies**
Syed N Alvi, King Faisal Specialist Hospital & Research Center, Saudi Arabia

Track 3: Bioanalytical Methodology

Track 4: Analytical Techniques in Pharmacogenomics

Track 5: NMR and Analysis of Small Organic Molecules

Session Chair: Vitor H Pomin, Federal University of Rio de Janeiro, Brazil

Session Co-Chair: Khondaker Miraz Rahman, Kings College of London and Transcriptogen Limited, UK

- 14:50-15:10 **Targeting transcription factors with DNA interactive small molecules**
Khondaker Miraz Rahman, Kings college of London and Transcriptogen Limited, UK
- 15:10-15:30 **The biological activity of streptomycin and related molecules are associated with the presence of 2 functional guanidine groups**
Aly Moussa, Anses Lyon Laboratory, France

Network and Refreshment Break: 15:30-15:50 @ Foyer

- 15:50-16:10 **Comparison of the performance of amines and ionic liquids as additives in RPLC for the analysis of basic compounds**
María José Ruiz-Ángel, University of Valencia, Spain

- 16:10-16:30 **NMR quantification in the verification of compounds: Simple to complex mixtures**
Joshua M Hicks, Catalent Pharma Solutions, USA
- 16:30-16:50 **Determination of activated methyl cycle metabolites and glutathione in cabbage upon sulfate deprivation and copper toxicity**
Mei-Hwei Tseng, University of Taipei, Taiwan
- 16:50-17:10 **Advances in structural biology of glycosaminoglycans by ¹⁵N-NMR spectroscopy**
Vitor H Pomin, Federal University of Rio de Janeiro, Brazil

Panel Discussion

Day 2 September 02, 2015

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Keynote Forum

- 09:30-10:00 **Eduard Rogatsky**
Yeshiva University, USA
- 10:00-10:30 **Zsuzsanna Kuklenyik**
Centers for Disease Control and Prevention, USA

Network and Refreshments Break: 10:30-10:50 @ Foyer

Track 6: Advances in Chromatography and Mass Spectrometry

Session Chair: Eduard Rogatsky, Yeshiva University, USA

Session Co-Chair: Wayne Grant Carter, University of Nottingham, England

Session Introduction

- 10:50-11:10 **Development and implementation of metabolomics platform: Considerations for successful discovery and validation of biomarkers**
Alla Kloss, Sanofi, USA
- 11:10-11:30 **Hyper-multicolor high-content cellular assay based on quantum dot nanoprobe**
Joon Myong Song, Seoul National University, South Korea
- 11:30-11:50 **Use of "Omics" technologies for mechanistic understandings of toxicological events**
Toshinori Yamamoto, RaQualia Pharma Inc., Japan
- 11:50-12:10 **Analytical possibilities of ultra-high resolution mass spectrometry**
Evgeny Nikolaev, Skolkovo Institute of Science and Technology (Skoltech), Russia
- 12:10-12:30 **The effect of anticoagulant types in analyzing levofloxacin in human plasma by high performance liquid chromatography-photodiode array**
Yahdiana Harahap, Universitas Indonesia, Indonesia
- 12:30-12:50 **Enantiomeric separation of biologically active 2-Pyrazolines on Lux Cellulose-2 and Lux Amylose-2: A comparative study**
Mohammed Farrag El-Behairy, National Research Centre, Egypt

Lunch: 12:50-13:50 @ Aqua Restaurant

- 13:50-14:10 **Identification and quantification of proteins participating in apoA-1 and apoB-100 mediated cholesterol transport by field-flow fractionation and LC-MS/MS analysis**
Zsuzsanna Kuklenyik, Centers for Disease Control and Prevention, USA
- 14:10-14:30 **Development of new stigmatic imaging mass spectrometer and its application to metal cation distribution in fish**
Jun Aoki, Osaka University, Japan

Track 7: Analytical Techniques in Immuno Chemistry

Track 8: Environmental Analytical Aspects

Session Chair: Makhapa Makhafola, Mintek, South Africa

Session Co-Chair: Vitor H Pomin, Federal University of Rio de Janeiro, Brazil

- 14:30-14:50 **Gas chromatography with flame ionization detection of 1,4-dioxane in palm-based fatty alcohol ethoxylates**
Bonnie Tay-Jones Yen Ping, Malaysian Palm Oil Board, Malaysia
- 14:50-15:10 **Speciation of trace arsenic compounds in drinking water with counter-flow electrokinetic supercharging**
Doo Soo Chung, Seoul National University, Korea
- 15:10-15:30 **Application of passive sampling techniques as an usable tool in the field of environmental quality monitoring**
Jacek Namieśnik, Gdansk University of Technology, Poland

Network and Refreshments Break: 15:30-15:50 @ Foyer

- 15:50-16:10 **Detection of cyproconazole using silver affinity electrochemical separation electrospray ionization mass spectrometry**
Jana Jaklová, Scientist, Academy of Sciences of the Czech Republic, Czech Republic
- 16:10-16:30 **Overview of Mintek's research and development**
Makhapa Makhafola, Mintek, South Africa
- 16:30-16:50 **An auto self-cleaning filter for on-line analyzers**
Yuhui (Henry) Zhao, Epcor Water Canada, Canada
- 16:50-17:10 **Application of novel analytical techniques and data analysis tools for comprehensive metabolomics analysis of complex biological mixtures**
Vladimir Shulaev, University of North Texas, USA

Panel Discussion

Day 3 September 03, 2015

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Poster Sessions 10:40-13:00 @ Foyer

Track 9: Applications of Analytical and Bio analytical Methods

Track 10: Diagnostic Assays and Test Kits

Track 11: New Instrumentation and Equipment

Session Chair: Yeun-Jun Chung, The Catholic University of Korea, Korea

Session Co-Chair: Lihan Tan, Bioprocessing Technology Institute, Singapore

Session Introduction

- 10:00-10:20 **Cosmetic ingredients: From the cosmetic to the human body and the environment**
Alberto Chisvert, University of Valencia, Spain
- 10:20-10:40 **Design of hybrid monolithic materials modified with nanoparticles: Application to the separation of small solutes and bio-macromolecules**
José Manuel Herrero-Martínez, University of Valencia, Spain

Network and Refreshments Break: 10:40-11:00 @ Foyer

- 11:00-11:20 **Assessment of cytotoxic and endocrine potential of selected xenobiotics commonly present in food products**
Katarzyna Owczarek, Gdańsk University of Technology, Poland
- 11:20-11:40 **Assessment of toxic effect and endocrine potential of food packages extracts**
Natalia Szczepańska, Gdańsk University of Technology, Poland
- 11:40-12:00 **Recent progress of deep UV LED**
Cyril Pernot, NIKKISO CO., LTD, Japan
- 12:00-12:20 **Measurement of histones in mammalian cell culture harvest**
Lihan Tan, Bioprocessing Technology Institute, Singapore
- 12:20-12:40 **Immunoassays in drug development – Comparing and contrasting different platforms**
Kabir Hussain, MedImmune, UK
- 12:40-13:00 **Uncertainty profile; a global strategy for validation and estimation of uncertainty: Application to a high-performance thin-layer chromatographic method**
Yassine Hamed Bencheikroun, Sidi Mohamed Ben Abdallah University, Morocco

Lunch 13:00-14:00 @ Aqua Restaurant

- 14:00-14:20 **C18-bound partially sub-1µm porous silica monolith particles as low cost HPLC-stationary phase of excellent chromatographic performance and fast HPLC analysis**
Faiz Ali, Inha University, South Korea
- 14:20-14:40 **Labs, cells and organs on a chip**
Albert Van Den Berg, BIOS/Lab on a Chip group, The Netherlands
- 14:40-15:00 **Comprehensive overview of biophysical studies of lipoprotein stability**
Shobini Jayaraman, Boston University School of Medicine, USA

Bookmark your dates

7th International Conference and Exhibition on

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September 29-October 01, 2016 Miami, USA

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