08:30-09:30  Registrations

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 therapeutic 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

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
Maria Jose Ruiz-Angel, 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
Determination of activated methyl cycle metabolites and glutathione in cabbage upon sulfate deprivation and copper toxicity
Mei-Hwei Tseng, University of Taipei, Taiwan
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
Valentia A

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
The effect of anticoagulant types in analyzing levofloxacin in human plasma by high performance liquid chromatography-photodiode array
Yahdiana Harahap, Universitas Indonesia, Indonesia

12:10-12:30 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

Session Introduction

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, Gdańsk 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 Jaklova, 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

Valentia A

Poster Sessions 10:40-13:00 @ Foyer

Track 9: Applications of Analytical and Bioanalytical 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

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, Gdansk University of Technology, Poland

11:20-11:40
Assessment of toxic effect and endocrine potential of food packages extracts
Natalia Szczepanowska, Gdansk 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 Hameda Benchekroun, 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