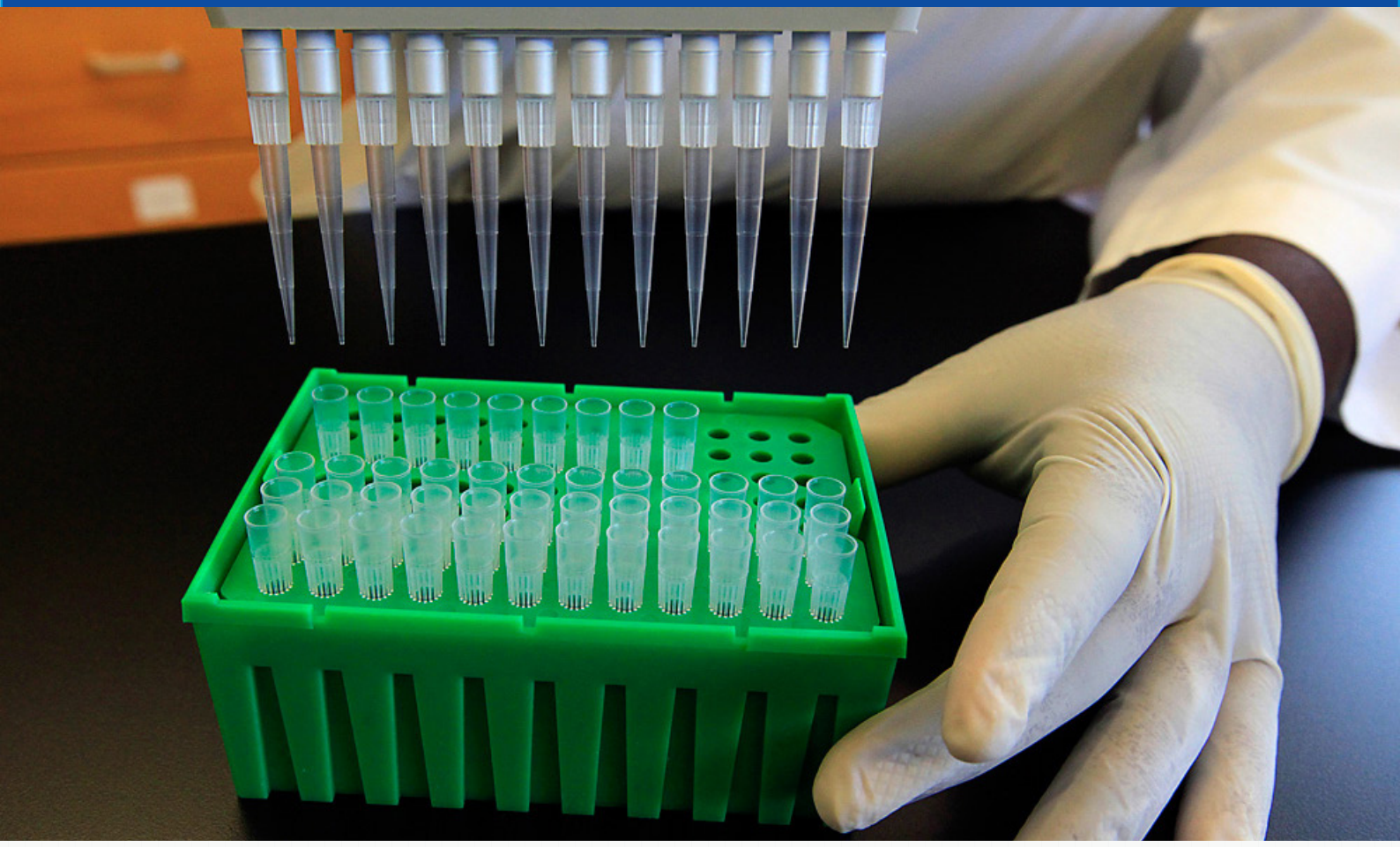
Tentative Program

World Congress on

Biotherapeutics and Bioanalytical Techniques

September 11-12, 2017 Dallas, Texas USA



Interactive Sessions

Keynote Lectures

Plenary Lectures

Workshops

Exhibitors

B2B Meetings

For available speaker slots

biotherapeutics@pharmaceuticalconferences.org

World Congress on

Biotherapeutics and Bioanalytical Techniques

September 11-12, 2017 Dallas, Texas USA

Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
	Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
		09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
Evening Sessions	11.00-12.40	5 Speakers (20 Mins Each)	
	Lunch Break 12.40-13.30		
	13.30-15.30	6 Speakers (20 Mins Each)	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	5 Speakers (20 Mins Each)	

19 Speakers for Day 1

Day 2

	Time	Session 1	Session 2
Morning Sessions	09.00-10.40	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Lunch Break 12.35-13.25		
Evening Sessions	13.25-15.05	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Poster Sessions		
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Closing Cermony		

30 Speakers on Day 2

NOTE: Program Shedule is subject to change with final allotment of the speaker slots

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Conference Highlights

- Advancements in Biotherapeutics
- Synthetic Immunology
- MicroRNAs (miRNAs) Biotherapeutics
- Oncolytic Virotherapy
- Immunopharmacotherapy
- Innovative Therapies for Serious Diseases
- Stem Cell Therapy
- Cancer Biotherapeutics
- Clinical Biotherapeutics
- Biotherapy
- Analytical Biotherapeutics
- Structural Analysis of Small Organic Molecules
- Drug Analysis
- Drug Metabolism Studies
- Bioanalytical Techniques
- Chromatographic Techniques

Best Poster Award

- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement
- Apart from the judging time you may also be present at the poster to share your research with interested delegates





Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

General Queries

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Conference Venue

Dallas, USA

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Glimpses of Biotherapeutics Conferences











Glimpses of Biotherapeutics Conferences











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September 2016 Volume 7, Issue 5
ISSN: 2155-9872

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Proceedings of

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Analytical & Bioanalytical Techniques

September 28-30, 2016 Orlando, USA

conferenceseries.com 700th Conference



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Day 1 September 28, 2016

08:30-09:30 **Registrations**

Salon 1

conferenceseries.com **09:30-09:50** **Opening Ceremony**

Keynote Forum

Introduction

Title: Electronic micro devices for neuron activity recording and mapping
Chen-Zhong Li, Florida International University, USA

Group Photo

Networking and Refreshments 10:45-11:15

Title: Quantitative multicolor single cell imaging cytometry for high-content drug screening based on nanoprobes
Joon Myong Song, Seoul National University, Korea

Sessions: **Novel Approaches to Analytical and Bioanalytical Methods | Bioanalytical Methodology | Environmental Analytical Aspects**

Session Chair: Yuhui (Henry) Zhao, Epcor Water Canada, Canada

Session Introduction

Title: The application of proteins from less likely studied samples from south east
Jaya Vejayan, University Malaysia Pahang, Malaysia
Title: Increasing efficiency by using dual detector on VOC analysis with an agilent GC
Yuhui (Henry) Zhao, Epcor Water Canada, Canada

Lunch Break 13:00-14:00

Title: Extractive electrospray ionization mass spectrometry for biosample analysis
Huanwen Chen, Jiangxi Key Laboratory for Mass Spectrometry and Instrumentation, China
Title: Separation of peptides and proteins in tryptic digest of cytochrome c by novel step elution approach in open tubular capillary electrochromatography
Faiz Ali, Ulnha University, South Korea
Title: Characterization of honey in terms of physicochemical parameters and trace heavy metals. Amhara region
Esubalew Adugna, Addis Ababa University, Ethiopia
Title: The new photoelectric materials for analytical applications
Dongxue Han, Changchun Institute of Applied Chemistry-CAS, China

Networking & Refreshment Break 16:00-16:20

Title: Infrared spectroscopy combined with imaging modalities is a new technique to understand the disease pathology
S Kumar, Uppsala University, Sweden

Panel Discussion

Day 2 September 29, 2016

Salon 1

Keynote Forum

Title: Can "matrix effect" in LC/MS or LC/MS/MS assay be avoided or fully compensated

Miroslav Ryska, QUINTA-ANALYTICA, Czech Republic

Title: Comprehensive insights into tobacco smoke using TD-GCxGC-TOF MS with tandem ionisation

Peter J Baugh, Markes International Ltd, UK

Networking and Refreshments 11:00-11:20

Workshop on: **LC/MS to UHPLC/MS method transfer: tips and tricks**
by
Eduard Rogatsky, Albert Einstein College of Medicine, USA

Sessions: **Applications of Analytical and Bioanalytical Methods**

Session Chair: Eamonn Reading, King's College London, UK

Session Co-chair: Shengxi Jin, Labs-Mart Inc., Canada

Title: Elucidation of drug metabolite structural isomers using molecular modeling coupled with ion mobility mass spectrometry

Eamonn Reading, King's College London, UK

Title: Cynoprobe online, in process cyanide analyzer

Makhapa Makhafola, Mintek, South Africa

Lunch Break 13:00-13:45

Title: A chemotaxonomic study of medicinal cannabis

Shengxi Jin, Labs-Mart Inc., Canada

Title: Understanding the Transformation Pathways of Atmospheric Aerosols: Some Revelations from Analytical Chemistry Techniques

Song Gao, Stetson University, USA

Title: Comprehensive overview of biophysical studies of lipoprotein stability

Shobini Jayaraman, Boston University School of Medicine, USA

Networking and Refreshments 15:15-15:35

Poster Session: 15:35-17:00

AA01	**Title: Oral fluid LC-MS/MS analysis as ante-mortem detection of oxytetracycline in swine** **Anna Gajda**, National Veterinary Research Institute, Poland
AA02	**Title: Comparative analysis of RP-HPLC, turbidimetric and UV methods used for the determination of cefepime hydrochloride in pharmaceuticals** **Danilo Fernando Rodrigues**, UNESP, Brazil
AA03	**Title: Direct enantioenrichment of DL-mandelic acid by in situ immobilization of a general resolving agent on the magnetic multi wall carbon nanotube** **Ghazale Daneshvar Tarigh**, University of Tehran, Iran
AA04	**Title: Dipeptidyl peptidase IV (DPP IV) inhibitors from plant extracts by TLC bioautography** **Lihua GU**, Shanghai University of Traditional Chinese Medicine, China
AA05	**Title: Utility of capillary microsampling for rat pharmacokinetic studies: Comparison of tail-vein bleeds to jugular vein cannula sampling** **J Wang**, Sanofi Genzyme, USA
AA06	**Title: Differential systemic exposure to galangin after oral and intravenous administration to rats** **Junqing Zhang**, Hainan Medical University School of Pharmacy, China
AA07	**Title: Validation of ICP-OES and AAS method for the determination of magnesium in infant and follow-on formula** **Kyung Mi Hwang**, National Institute of Food and Drug Safety Evaluation, Korea
AA08	**Title: Assessment of Feng-Liao-Chang-Wei-Kang as a potential inducer of cytochrome P450 3A4 and pregnane X receptors** **Ling Huang**, Hainan Medical University, China
AA09	**Title: Analytical techniques for quantifying the ertapenem sodium with a look at green chemistry** **Tahisa Marcela Pedroso**, UNESP-Universidade Estadual Paulista, Brazil
AA10	**Title: Multi-class method for the determination of antibacterials in honey by liquid chromatography-tandem mass spectrometry** **Tomasz Bladek**, National Veterinary Research Institute, Poland
AA11	**Title: Piezoelectric positioning system technology for modulation of electrochemical imaging detection device** **Wei Wang**, Changchun Institute of Applied Chemistry-CAS, China
AA12	**Title: Method development of carbohydrate profile for Abbott nutrional products using HPAEC/PAD** **Yi Ding**, Abbott Nutrition Research and Development, Singapore
AA13	**Title: Analysis of Raman scattering signals for chemicals by using deep UV laser** **Young Jin Koh**, Agency for Defense Development, South Korea
AA14	**Title: Measurement of Raman spectra for various real surfaces by using a 248 nm mobile Raman spectrometer** **Young Jin Koh**, Agency for Defense Development, South Korea

AA15 **Title: Rapid detection of aerosolized *Bacillus* spore particles by direct in situ analysis of MALDI-TOF mass spectrometry**

Young-Su Jeong, Agency for Defense Development (ADD), South Korea

AA16 **Title: Raman spectral characteristics of toxic chemicals analyzed by a 248 nm mobile Raman spectrometer**

Young-Su Jeong, Agency for Defense Development (ADD), South Korea

AA17 **Title: Characterization of sputter-deposited w-44cr-35al alloys and their corrosion behavior in aggressive media**

Raj Kumar Kaphle, Tribhuwan University, Kathmandu, Nepal

Day 3 September 30, 2016

Salon 1

Sessions: **Diagnostic Assays and Test Kits in analytical chemistry | New analytical Instrumentation and Equipment**

Session Chair: Eduard Rogatsky, Albert Einstein College of Medicine, USA

Introduction

Title: Use of novel flow imaging particle analysis in biopharmaceutical formulation (FlowCam®)

Kent Peterson, Fluid Imaging Technologies, USA

Title: The development of semi-quantitative loop-mediated isothermal amplification (LAMP) assay using multi-well chip

Satoru Michiyuki, HEiken Chemeical Co., Japan

Networking and Refreshments 11:00-11:20

Title: Electrochemical sensing based on modified interfaces and analytical instrument-integrated applications

Li Niu, Changchun Institute of Applied Chemistry-CAS, China

Title: Multiplexed, flexible and portable plasmonic biosensing on-chip

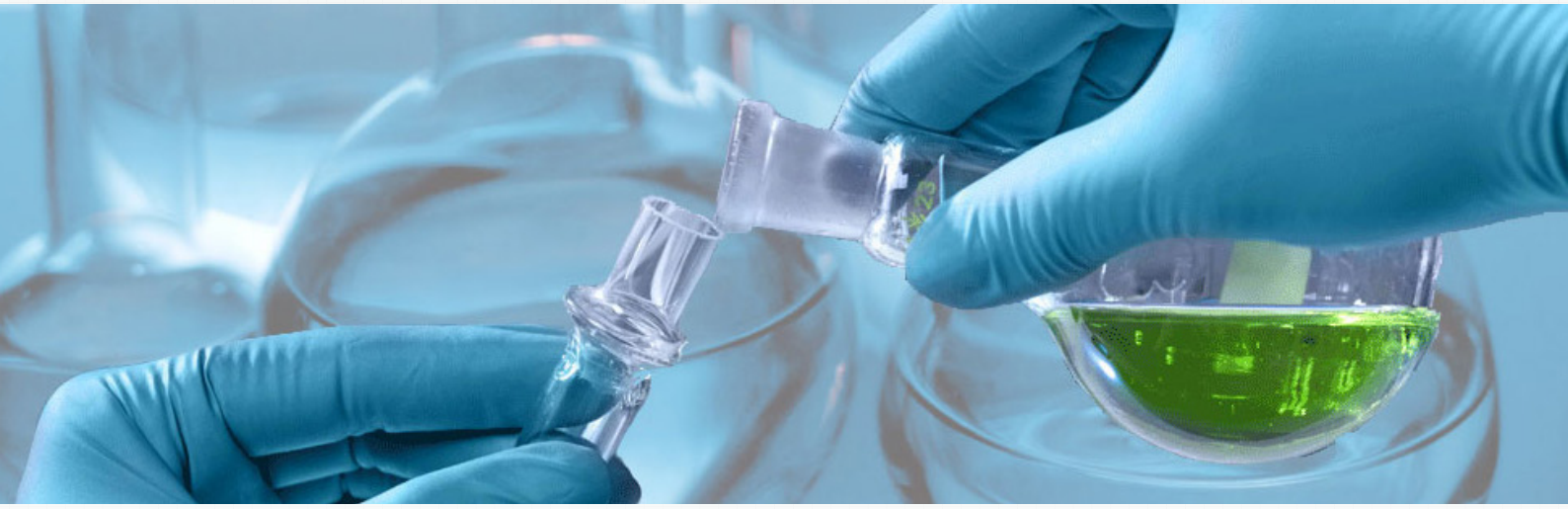
Jie He, University of Cincinnati, USA

Title: Smartphones for sensing

Yu Bao, Changchun Institute of Applied Chemistry-CAS, China

Lunch Break 13:00-13:45

Awards & Closing Ceremony



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9th Analytical & Bioanalytical Techniques Conference

October 02-04, 2017 Atlanta, USA

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6th International Conference and Exhibition on

Analytical & Bioanalytical Techniques

September 01-03, 2015 Valencia, Spain





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Scientific Program

Day 1 September 01, 2015

Registrations

Valentia A

Opening Ceremony

Keynote Forum

Introduction

Florence Geneste
University of Rennes, France

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

Title: Precise analysis of elements in silica powders by LA-ICP-MS
Istvan Halasz, PQ Corporation, USA
Title: Analytical tasks stemming from therapeutical prospects of electron deficient boron cluster compounds
Radim Vespalec, Academy of Sciences of the Czech Republic, Czech Republic
Workshop on Importance of analytical methods to understand the complexity and diversity of protein aggregation
Tudor Arvinte, University of Geneva, Switzerland
Title: New analytical methods to measure protein aggregates in biopharmaceuticals
Tudor Arvinte, University of Geneva, Switzerland
Title: 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

Title: Electrochemical preparation and characterization of gold nanoparticles graphite electrode: Application to myricetin antioxidant analysis
Guan Huat Tan, University of Malaya, Malaysia
Title: Electrochemical DNA biosensors and their potential applications to nanobiotechnology
Seda Nur Topkaya, Ege University School of Pharmacy, Turkey
Title: Assessment of cytotoxic and endocrine potential of selected xenobiotics commonly present in food products
Katarzyna Owczarek, Gdańsk University of Technology, Poland

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

Title: Targeting transcription factors with DNA interactive small molecules
Khondaker Miraz Rahman, Kings college of London and Transcriptogen Limited, UK
Title: 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

Title: Hyper-multicolor high-content cellular assay based on quantum dot nanoprobe
Joon Myong Song, Seoul National University, South Korea

Title: 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
Title: NMR quantification in the verification of compounds: Simple to complex mixtures
Joshua M Hicks,Catalent Pharma Solutions, USA
Title: Determination of activated methyl cycle metabolites and glutathione in cabbage upon sulfate deprivation and copper toxicity
Mei-Hwei Tseng, University of Taipei, Taiwan
Title: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

Eduard Rogatsky
Yeshiva University, USA
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

Title: Development and implementation of metabolomics platform: Considerations for successful discovery and validation of biomarkers
Alla Kloss, Sanofi, USA
Title: Enrichment strategies for capturing proteins altered by post-translational modifications
Wayne Grant Carter, University of Nottingham, England
Title:Use of "Omics" technologies for mechanistic understandings of toxicological events
Toshinori Yamamoto,RaQualia Pharma Inc., Japan
Title: Analytical possibilities of ultra-high resolution mass spectrometry
Evgeny Nikolaev, Skolkovo Institute of Science and Technology (Skoltech), Russia
Title: The effect of anticoagulant types in analyzing levofloxacin in human plasma by high performance liquid chromatography-photodiode array
Yahdiana Harahap, Universities Indonesia, Indonesia
Title: 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

Title: 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
Title: 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

Title: 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
Title: Speciation of trace arsenic compounds in drinking water with counter-flow electrokinetic supercharging
Doo Soo Chung, Seoul National University, Korea

Title: 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

Title: Detection of cyproconazole using silver affinity electrochemical separation electrospray ionization mass spectrometry
Jana Jaklová,Scientist, Academy of Sciences of the Czech Republic,Czech Republic
Title: Overview of Mintek's research and development
Makhapa Makhafola, Mintek, South Africa
Title: An auto self-cleaning filter for on-line analyzers
Yuhui (Henry) Zhao, Epcor Water Canada, Canada
Title: 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 Bio analytical Methods
Track 10: Diagnostic Assays and Test Kits
Track11: 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

Title: Cosmetic ingredients: From the cosmetic to the human body and the environment
Alberto Chisvert, University of Valencia, Spain
Title: 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

Title: Validated liquid chromatographic method for simultaneous determination of metformin, pioglitazone, sitagliptin, repaglinide, glibenclamide and gliclazide: Application for counterfeit drug analysis
Asmaa A El-Zaher, Cairo University, Egypt
Title: Assessment of toxic effect and endocrine potential of food packages extracts
Natalia Szczepańska, Gdańsk University of Technology, Poland
Title: Recent progress of deep UV LED
Cyril Pernot, NIKKISO CO., LTD, Japan
Title:Measurement of histones in mammalian cell culture harvest
Lihan Tan, Bioprocessing Technology Institute, Singapore
Title: Immunoassays in drug development – Comparing and contrasting different platforms
Kabir Hussain, MedImmune, UK
Title: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

Title: 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
Title: Labs, cells and organs on a chip
Albert Van Den Berg, BIOS/Lab on a Chip group, The Netherlands
Title: Comprehensive overview of biophysical studies of lipoprotein stability
Shobini Jayaraman, Boston University School of Medicine, USA

Scientific Program

5th International Conference and Exhibition on

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August 18-20, 2014 DoubleTree by Hilton Beijing, China



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Registrations

Gingko Tree

Opening Ceremony

Keynote Forum

Introduction

Eduard Rogatsky
Albert Einstein College of Medicine of Yeshiva University, USA

Yuri A Zolotov
Lomonosov Moscow State University, Russia

Andrew C Benniston
Newcastle University, UK

Sergei Shtykov
Saratov State University, Russia

Coffee Break 11:15-11:30 @ Foyer

Track 1: Novel Approaches to Analytical & Bioanalytical Methods
Track 2: Analytical Methodology

Session Chair: Doo Soo Chung, Seoul National University, Korea
Session Co-Chair: L A Frank, Siberian Branch of the Russian Academy of Sciences, Russia

Session Introduction

Title: Chemiluminescent determination of hydrogen peroxide using FeIII-TAML activator, a potent peroxidase mimicking enzyme
Marina M Vdovenko, Lomonosov Moscow State University, Russia
Title: Thin film microextraction of VOCs from biological samples using PDMS/ZSM-5 hybrid adsorbents
Seung-Woo Lee, The University of Kitakyushu, Japan
Title: Mapping single DNA molecules to the human genome in a nanofluidic device
Rodolphe Marie, Technical University of Denmark, Denmark
Title: Electrochemical determination of pyrogallol at conducting poly(3,4-ethylenedioxothiophene) film-modified screen-printed carbon electrodes
Shu-Hua Cheng, National Chi Nan University, Taiwan
Title: Coelenterazine-dependent bioluminescent proteins as effective reporters for *in vitro* assay
L A Frank, Russian Academy of Sciences, Russia

Lunch Break 13:10-14:00 @ Easy Kitchen

Title: Liquid extraction surface analysis coupled with capillary electrophoresis to determine organophosphorous pesticides on apple
Doo Soo Chung, Seoul National University, Korea
Title: Measuring viscosity on the nanoscale using fluorescent molecular rotors
Andrew C Benniston, Newcastle University, UK
Title: Supramolecular and nanobiomimetic approach to optimization of analytical reactions
Sergei Shtykov, Saratov State University, Russia
Title: Simultaneous determination of phthalate esters in a microfluidic device coupled with an electrochemical sensor
Yoon-Bo Shim, Pusan National University, South Korea
Title: Optical Si-based biosensors: First results
Sebania Libertino, Istituto per la Microelettronica e Microsistemi (CNR-IMM), Italy
Title: Some trends in analytical chemistry development
Yuri A Zolotov, Lomonosov Moscow State University, Russia

Coffee Break 16:00-16:15 @ Foyer

Title: Development and validation of HPTLC method for simultaneous estimation of olmesartan medoxomil and indapamide in tablet dosage form
Celina Nazareth, PES's Rajaram and Tarabai Bandekar College of Pharmacy, India
Title: Sampling gaseous compounds of heating essential oil using solid phase microextraction devices
Wen-Hsi Cheng, Fooyin University, Taiwan
Title: Using of short chain alkyl imidazolium ionic liquids in enhancing the sensitivity of capillary electrophoresis
Deia Abd El-Hady, King Abdulaziz University, Saudi Arabia
Title: Fluorescence switch for selectively sensing Copper (II) and L-Histidine in vitro and in living cells
Gaolin Liang, University of Science and Technology of China, China

Title: An *in situ* liquid cell TEM study on nanomaterial depositions and nano characterizations
Xin Chen, East China University of Science and Technology, China
Title: Design of nanoprobes for in situ analysis of cellular functional biomolecules
Huangxian Ju, Nanjing University, P. R. China

Cocktails sponsored by **Journal of Analytical & Bioanalytical Techniques @ Garden Terrace**

Day 2 August 19, 2014

Gingko Tree

Keynote Forum

Graham Lawson
De Montfort University, UK

Huangxian Ju
Nanjing University, P. R. China

Track 3: Bioanalytical Methodology

Session Chair: Mitsumasa Iwamoto, Tokyo Institute of Technology, Japan
Session Co-Chair: Yuewu Xiao, Merck Millipore, USA

Session Introduction

Title: Utilizing confocal Raman spectroscopy to understand monoclonal antibody purification by a strong cation exchanger
Yuewu Xiao, Merck Millipore, USA
Title: Identification of CTP-499 metabolites in human plasma and urine
Changfu Cheng, Concert Pharmaceuticals, Inc., USA

Coffee Break 11:00-11:15 @ Foyer

Title: A vinblastine fluorescent probe for pregnane X receptor in a time-resolved fluorescence resonance energy transfer assay
Wenwei Lin, St. Jude Children's Research Hospital, USA
Title: Multifunctional SERS active silver-hybrid nanocomposites in (bio)analytics
Inez M Weidinger, Technical University of Berlin, Berlin
Title: Visualization of carrier motion and dielectric polarization in organic thin layers by Optical second harmonic generation measurement and Maxwell-displacement current measurement
Mitsumasa Iwamoto, Tokyo Institute of Technology, Japan
Title: Evaluation of affinity capillary electrophoresis for ligand binding assays
Deia Abd El-Hady, King Abdulaziz University, Saudi Arabia
Title: Aptamer-functionalized nanoporous gold for directly electrochemical detection of bisphenol A
Ye Zhu, Shandong University, China
Title: Raman Mapping-A powerful analytical tool for detection/quantification of API physical form and its form impurities as presented in solid samples to support R&D, QbD, license application and fighting against counterfeit medicine products and patent infringement
Jianping Wu, Pharmaterials, Ltd., UK
Title: Immobilization of DAAO on magnetic nanoparticles modified by reactive polymer for screening enzyme inhibitors with chiral ligand exchange capillary electrophoresis method
Li Qi, Chinese Academy of Sciences, China

Lunch Break 13:35-14:30 @ Easy Kitchen

Track 4: Analytical Techniques in Pharmacogenomics
Track 5: NMR & Analysis of Small Organic Molecules
Track 6: Advances in Chromatography and Mass Spectrometry

Session Chair: Karol Jackowski, University of Warsaw, Poland
Session Co-Chair: Sangeeta Tanna, De Montfort University, UK

Session Introduction

Title: NMR analysis of chemical compounds in the gas phase
Karol Jackowski, University of Warsaw, Poland
Title: Adherence to medication assessed using dried blood spot analysis
Sangeeta Tanna, De Montfort University, UK
Title: Spectrofluorimetry: A critical review on factors that influence fluorescent intensity in the analysis of diverse chemical substances
Ahmad Uba, Usmanu Danfodiyo University, Nigeria
Title: Determination of phosphatidylserine in milk based nutritional products using online derivatization HPLC
Qi Lin, Abbott Nutrition R&D, Singapore

Coffee Break 15:50-16:05 @ Foyer

Title: Analysis of small molecules in vivo by MALDI-TOF MS
Zongxiu Nie, Chinese Academy of Sciences, China
Title: Extraction and analysis of fatty acids from cyanobacteria using GC x GC-TOFMS
Titus A M Msagati, University of Johannesburg, South Africa

16:00-17:30 Poster Presentations @ Maple Tree

Day 3 August 20, 2014

Gingko Tree

Track 7: Analytical Techniques in Immuno Chemistry
Track 9: Applications of Analytical and Bioanalytical Methods
Track 10: Diagnostic Assays and Test Kits
Track 11: New Instrumentation and Equipment
Track 12: Regulatory Issues and Biosafety Challenges in Bioanalysis

Session Chair: Ming Li, Biogen Idec, USA
Session Co-Chair: Zhenxin Wang, Chinese Academy of Sciences, China

Session Introduction

Title: Novel phenothiazine enhancers in chemiluminescent enzyme immunoassay
Ivan Yu Sakharov, Lomonosov Moscow State University, Russia
Title: Automated small molecule bioanalytical sample preparation method development
Ming Li, Biogen Idec, USA
Title: Biosensor for detection of organophosphate pesticide residues by screen printed carbon electrode (SPCE)-chitosan base
Ani Mulyasuryani, University of Brawijaya, Indonesia
Title: Development of bioanalytical methods for environmental monitoring of toxic chemicals
Yalavarthy Prameela Devi, Kakatiya University, India
Title: Simple and fast analyses using GC-FID for detection of a potential genotoxins (isopropyl para-toluenesulfonate) in palm oil based esters a common ingredient used in cosmetic and personal care products
Bonnie Yen Ping Tay, Malaysian Palm Oil Board, Malaysia

Coffee Break 10:40-10:55 @ Foyer

Title: Air quality challenges in Wesselton township, South Africa
Shadung Moja, University of South Africa, South Africa
Title: Food analysis to check quality, safety and authenticity by full-automated ^{1}H-NMR
Lu Shan, Bruker BioSpin GmbH, China
Title: Bioanalytical applications of gold nanoparticle probes
Zhenxin Wang, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China
Title: A crystalline self-assembly from nanords: Superparticles
Tie Wang, Chinese Academy of Sciences, China
Title: The fate and transformation of pharmaceuticals in wetland mesocosms planted with *Scirpus validus*
Dongqing Zhang, Nanyang Technological University, Singapore
Title: Selection of phage displayed peptides for the detection of insecticide imidacloprid in soil and water
Ting Xu, China Agricultural University, China

Award Presentations

Lunch Break 13:15-14:00 @ Easy Kitchen

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Day 1 October 15, 2013

Registrations

Salon B

Opening Ceremony

Keynote Forum

Introduction

Joseph J. Pesek
San Jose State University, USA

John Szpylka
Silliker Inc., USA

Klaus Albert
University of Tuebingen, Germany

Eduard Rogatsky
Albert Einstein College of Medicine of Yeshiva University, USA

Coffee Break 11:00-11:15 @ Foyer

Track 1: Novel Approaches to Analytical & Bioanalytical Methods
Track-2: Analytical Methodology
Track 4: Analytical Techniques in Pharmacology

Session Chair: Andrew C. Benniston, Newcastle University, UK

Session Co-Chair: Yuhui Henry Zhao, Epcor Water Service Inc., Canada
Jose S. Torrecilla, Complutense University of Madrid, Spain

Session Introduction

Title: Hydrogen exchange method to identify the protein targets of drugs
Masaru Miyagi, Case Western Reserve University, USA
Title: Development of an on-line GC using existing retired equipment
Yuhui Henry Zhao, Epcor Water Service Inc, Canada
Title: Development of liquid phase microextraction in-line coupled with capillary electrophoresis
Doo Soo Chung, Seoul National University, Korea
Title: Online glutamate measurement during brain altered function with sub seconds time resolution. A new alternative to measure biological compounds with laser induced fluorescence detection and the use of enzymatic reactors
Alberto Morales-Villagran, University of Guadalajara, Mexico
Title: Fluorescence-based imaging using Boron dipyrromethene (Bodipy) dyads
Andrew C. Benniston, Newcastle University, UK

Lunch Break 12:55-13:50 @ Carol & Patio

Title: Luminescent lanthanide chemosensors for the detection of zinc ions
Kellie L. Tuck, Monash University, Australia
Title: Use of streptomycin for the concentration and detection of the pathogenic prion protein in biological samples
Aly Moussa, Laboratory of Lyon, France
Title: Zinc, lead, copper, and cadmium determination in canned and fresh fish samples by anodic stripping voltammetry and inductively coupled argon plasma
Neylan Dirilgen, Bogazici University, Turkey
Title: New techniques and approaches to address the drugability of RNA
Jonathan Hall, ETH Zurich, Switzerland
Title: Unknown polymer additive identification by multimode LC-MS/MS and multi-detectors
Wenjie Cao, SABIC Technology Center, Saudi Arabia

Coffee Break 15:30-15:45 @ Foyer

Title: Unknown GPC peak identification by multimode GPC-MS/MS/DAD
Nasser Al-Harbi, SABIC Technology Center, Saudi Arabia
Title: Direct determination of N-Nitorsodiethanolamine (NDELA) in Ethanolamines by LC-MS-MS
George Kuriakose, SABIC Technology Center, Saudi Arabia
Title: Kinetic and pharmacokinetic analysis of treosulfan and its biologically active mono- and diepoxytransformers
Franciszek Glowka, Poznan University of Medical Sciences, Poland
Title: A simple electronic tongue for online monitoring of model fermentation
Matthias Gerstl, Austrian Centre of Industrial Biotechnology (ACIB), Austria
Title: Computational modelling of the hydride generation reaction in a tubular reactor and hydride fragmentation in a dielectric barrier discharge atomizer
Wameath Sh. Abdul-Majeed, The University of Sheffield, UK

Cocktails Sponsored by **Journal of Chromatography & Seperation Techniques @ Foyer**

Day 2 October 16, 2013

Salon B

Track 3-1: Chromatographic methods
Track 3-2: Electrophoresis/ligand binding assay
Track 3-3: Extraction/precipitation/purification techniques
Track 3-4: Analytical proteomics and metabolomics
Track 3-5: Microscopy, hybrid methods, and thermal analysis

Session Chair: Joseph J. Pesek, San Jose State University, USA

Session Co-Chair: Susanne P Boyle, University College London-Qatar, Qatar

Session Introduction

Title: Hydride-based HPLC stationary phases: A rapidly evolving technology for the development of new bio-analytical methods
Joseph J. Pesek, San Jose State University, USA

Title: Evaluation of direct and indirect methods for the quantitation of plasma malondialdehyde
Susanne P Boyle, University College London-Qatar, Qatar
Title: Rapid identification of counterfeit pills by ATR FT/IR analysis of crushed samples
Graham Lawson, De Montfort University, UK
Title: Cardiovascular drug medication compliance assessed by dried blood spot sampling techniques
Sangeeta Tanna, De Montfort University, UK
Title: Application of supercritical fluid chromatography/mass spectrometry to metabolic profiling
Takeshi Bamba, Osaka University, Japan

Coffee Break 10:40-10:55 @ Foyer

Title: Monitoring of protein function at single-molecule level with single-event precision using fluorescence microscopy imaging DNACueRCy3Cy5
Chandra P. Joshi, Cornell University, USA
Title: Evaluation of affinity capillary electrophoresis for ligand binding assays
Deia Abd El-Hady, King Abdulaziz University, Saudi Arabia
Title: Selective bio-analytical methods for specific identification and detection of toxic Microcystis species and Microcystins in water
Titus A. M. Msagati, University of Johannesburg, South Africa
Title: Toxicity evaluation of some dental materials: Three-dimensional confocal laser scanning microscopy. Time-lapse imaging of cell behavior
Nina Attik, University of Lyon, France
Title: Investigation and analysis of photoirradiation effects on bio-compatible semiconductor nanocrystals systems using spectroscopic techniques
Tareq Youssef, Cairo University, Egypt
Title: The preparation and separation performance of Imino-β-Cyclodextrin derivatives chiral stationary phase
Zhi-Ming Zhou, Beijing Institude of Technology, China
Title: Evaluation of solid-phase extraction approaches for LC-MS metabolomics
Dajana Vuckovic, Concordia University, Canada
Title: Analysis of pesticides in water samples and removal of monocrotophos by γ-irradiation
Muhammad Ismail, University of Peshawar, Pakistan

Lunch Break 13:35-14:20 @ Carol & Patio

Track 3-6: Molecular and functional imaging
Track 3-7: Diverse applications: Biologics, diagnostics, and toxicology
Track 3-8: Spectroscopy and ultrafast spectroscopy

Session Chair: M. Cather Simpson, University of Auckland, New Zealand
Session Co-Chair: Jun-ya Kohno, Gakushuin University, Japan

Session Introduction

Title: Raman spectroscopy of living biofilms in flowcells
Truis Smith-Palmer, St Francis Xavier University, Canada
Title: Bioanalytical characterization of HIV gp120 vaccine antigens and its relation to vaccine-induced antibody response
Antu K. Dey, Novartis Vaccines & Diagnostics, USA
Title: Surface-enhanced Raman spectroscopy for medical diagnostics and bio-imaging
Paresh Chandra Ray, Jackson State University, USA
Title: GC-MS investigation of cell-culture based small molecular cancer biomarkers (SMCBs)
Seung-Woo Lee, The University of Kitakyushu, Japan

Coffee Break 15:40-15:55 @ Foyer

Title: Ultrafast spectroscopy and the analysis of art pigment degradation and solar energy harvesting complex photoproducts
M. Cather Simpson, University of Auckland, New Zealand
Title: Some applications of cavity ringdown spectroscopy in gas and condensed phases
King-Chuen Lin, National Taiwan University, Taiwan
Title: Pushing time-resolved extreme UV and soft X-ray spectroscopy towards bigger molecules and condensed phase
Jakob Grilj, Ecole Polytechnique Federale de Lausanne EPFL, Switzerland
Title: Analytical applications of small liquid droplets: From droplet-beam laser-ablation mass spectrometry to single-particle catalyst
Jun-ya Kohno, Gakushuin University, Japan
Title: Probing packing interactions in pharmaceuticals and other small (bio) molecules using solid-state NMR spectroscopy combined with DFT calculations and X-ray diffraction
Luis Mafra, University of Aveiro, Portugal

Poster Presentations @ Carol & Patio
Cocktails Sponsored by **Journal of Analytical & Bioanalytical Techniques @ Foyer**

Day 3 October 17, 2013

Salon B

Track 7: Environmental Analytical Aspects
Track 8: Risk Monitoring in Bioanalysis

Session Chair: Peter J Baugh, The British Mass Spectrometry Society (BMSS), England
Session Co-Chair: Jacob Cox, Green Science Corporation, USA

Session Introduction

Title: Recent advances in the applications of chromatography - mass spectrometry to environmental matrix analysis
Peter J Baugh, The British Mass Spectrometry Society (BMSS), England
Title: Biomonitoring studies of environmental contaminants
Brian T. Buckley, Rutgers University, USA
Title: Miniature LIMS system designed for in situ quantitative elemental and isotopic composition measurements of extra-terrestrial material in space research
Andreas Riedo, University of Bern, Switzerland
Title: Comprehensive analysis of vitamin D analogues: Rapid LC-MS/MS method for quantification of eight metabolites and two epimers
Iltaf Shah, Kingston University, UK

Coffee Break 10:50-11:05 @ Foyer

Title: Soil amendment of brownfields for plant growth by essential bacterial propagation on collagen substrate doped with corresponding impurities
Jacob Cox, Green Science Corporation, USA
Title: Assessing biologics adherence behaviors among patients with psoriasis through group-based trajectory models
Yunfeng Li, Novartis Pharmaceuticals Corporation, USA
Title: Natural herbs as alternative and complementary medicine "Herbal tea for treatment of Bronchial Asthma"
Eman G. Haggag, Helwan University, Egypt

Track 9: Recent Applications of Analytical and Bioanalytical Methods
Track 10: Analytical Techniques in Immuno Chemistry

Session Chair: Marc D. Porter, University of Utah, USA

Session Co-Chair: Jeanette M. Van Emon, U.S. Environmental Protection Agency, USA

Session Introduction

Title: Ultrasensitive, multiplexed detection of infectious disease markers using a surface-enhanced Raman scattering immunoassay platform
Marc D. Porter, University of Utah, USA

Title: Analysis of coplanar polychlorinated biphenyls (PCBs) using immunoaffinity chromatography cleanup with immunoassay detection
Jeanette M. Van Emon, U.S. Environmental Protection Agency, USA

Title: Cytochrome P450-mediated biotransformation of the antitrypanosomal methamidoxime prodrug DB844 forms novel metabolites through intramolecular rearrangement
Michael Zhuo Wang, The University of Kansas, USA

Lunch Break 13:05-13:50 @ Carol & Patio

Title: The agarose assay: Its utility in cell migration and invasion
Maitham A. Khajah, Kuwait University, Kuwait

Title: Highly sensitive and selective detection of atrazine using microfluidic-based immunosensing platform
Feng Long, University of China, China

Title: Neural networks and FET sensors combined: A tool to accurately classify and quantify molecules
Jose S. Torrecilla, Complutense University of Madrid, Spain

Title: Optical and electrical Si-based biosensors: Fabrication and transduction issues
Sebania Libertino, Istituto per la Microelettronica e Microsistemi (IMM) of CNR, Italy

Title: Nano/micro Porous based immunoassay microarray platform for improving detection sensitivity
SangWook Lee, Bioengineering Laboratory Riken Institute, Japan

Title: Will next generation sequencing improve treatment outcomes: Low frequency kras mutations in colorectal cancer patients and the presence of multiple mutations in oncogenic drivers in non-small cell lung cancer patients
Yihong Yao, MedImmune, USA

Coffee Break 15:50-16:05 @ Foyer

Tahiti

Track 5: Regulatory Issues and Biosafety Challenges in Bioanalysis
Track 6: Advances in Chromatography and Mass Spectrometry

Session Chair: ZuLiang Chen, University of South Australia, Australia

Session Co-Chair: Greg Heffron, Harvard Medical School, USA

Session Introduction

Title: The AOAC method validation pathway: Setting standards for methods and demonstrating compliance to defined method requirements
John Szpylka, Silliker, Inc., USA

Title: Elucidation of small molecule markers in cancer cells by NMR and mass spectrometry
Greg Heffron, Harvard Medical School, USA

Title: HPLC-NMR: Present status and future
Klaus Albert, University of Tuebingen, Germany

Title: High-throughput liquid chromatography-mass spectrometry based targeted metabolomics for separation and quantitation of ~250 cellular metabolites
Fatemeh Mirnaghi, University of Toronto, Canada

Coffee Break 10:50-11:05 @ Foyer

Title: Mass spectrometry approach for novel Fabry disease biomarker detection
Christiane Auray-Blais, CRC-CHUS/Universite de Sherbrooke, Canada

Title: Ion chromatography-ICP-MS and ESI-MS used for the chemical speciation analysis
ZuLiang Chen, University of South Australia, Australia

Title: On-line multidimensional SPE-LC-(UV)-MS/MS as an alternative approach for analyzing small molecules in biological fluids
Sena Caglar, Istanbul University, Turkey

Title: Femtosecond time-resolved mass spectrometry for the desorption process of tetracene ions from tetracene-doped anthracene crystals
Tatsuya Fujino, Tokyo Metropolitan University, Japan

Title: Recent advances and application of SFC-MS in small molecules drug discovery
Gerard Rosse, Dart Neuroscience LLC, USA

Title: Recovery of antioxidants from Myrmecodiapendans and identification of its major constituent compounds
Adam Mekonnen Engida, National Taiwan University, Taiwan

Lunch Break 13:05-13:50 @ Carol & Patio

Title: Trick or treat, is the super food boost (Beetroot juice, spinach powder) best for nitrates supplementation? Which measure should we trust?
Iltaf Shah, Kingston University, UK

Title: Bio-analytical determination of clopidogrel and pantoprazole by RP-HPLC method in rat plasma: Application to drug interraction study
B. M. Gurupadayya, JSS College of Pharmacy, India

Award Ceremony

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