

196th OMICS Group Conference

Scientific Program



5th International Conference and Exhibition on Analytical & Bioanalytical Techniques

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

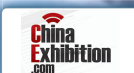
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OMICS Group Conferences

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Ginkgo Tree



09:00-09:25

Opening Ceremony

Keynote Forum

09:25-09:30	Introduction
09:30-10:00	Eduard Rogatsky Albert Einstein College of Medicine of Yeshiva University, USA
10:00-10:25	Yuri A Zolotov Lomonosov Moscow State University, Russia
10:25-10:50	Andrew C Benniston Newcastle University, UK
10:50-11:15	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

11:30-11:50	Title: Chemiluminescent determination of hydrogen peroxide using FeIII-TAML activator, a potent peroxidase mimicking enzyme Marina M Vdovenko, Lomonosov Moscow State University, Russia
11:50-12:10	Title: Thin film microextraction of VOCs from biological samples using PDMS/ZSM-5 hybrid adsorbents Seung-Woo Lee, The University of Kitakyushu, Japan
12:10-12:30	Title: Mapping single DNA molecules to the human genome in a nanofluidic device Rodolphe Marie, Technical University of Denmark, Denmark
12:30-12:50	Title: Electrochemical determination of pyrogallol at conducting poly(3,4-ethylenedioxythiophene) film-modified screen-printed carbon electrodes Shu-Hua Cheng, National Chi Nan University, Taiwan
12:50-13:10	Title: Coelenterazine-dependent bioluminescent proteins as effective reporters for <i>in vitro</i> assay L A Frank, Russian Academy of Sciences, Russia

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

14:00-14:20	Title: Liquid extraction surface analysis coupled with capillary electrophoresis to determine organophosphorous pesticides on apple Doo Soo Chung, Seoul National University, Korea
14:20-14:40	Title: Measuring viscosity on the nanoscale using fluorescent molecular rotors Andrew C Benniston, Newcastle University, UK
14:40-15:00	Title: Supramolecular and nanobiomimetic approach to optimization of analytical reactions Sergei Shtykov, Saratov State University, Russia
15:00-15:20	Title: Simultaneous determination of phthalate esters in a microfluidic device coupled with an electrochemical sensor Yoon-Bo Shim, Pusan National University, South Korea
15:20-15:40	Title: Optical Si-based biosensors: First results Sebania Liberto, Istituto per la Microelettronica e Microsistemi (CNR-IMM), Italy
15:40-16:00	Title: Some trends in analytical chemistry development Yuri A Zolotov, Lomonosov Moscow State University, Russia

Coffee Break 16:00-16:15 @ Foyer

16:15-16:35	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
16:35-16:55	Title: Sampling gaseous compounds of heating essential oil using solid phase microextraction devices Wen-Hsi Cheng, Fooyin University, Taiwan
16:55-17:15	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
17:15-17:35	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

17:35-17:55 **Title: An *in situ* liquid cell TEM study on nanomaterial depositions and nano characterizations**

Xin Chen, East China University of Science and Technology, China

17:55-18:15 **Title: Design of nanoprobe for *in situ* analysis of cellular functional biomolecules**

Huangxian Ju, Nanjing University, P. R. China

18:30-19:30 Cocktails sponsored by **Journal of Analytical & Bioanalytical Techniques @ Garden Terrace**

Day 2 August 19, 2014

Ginkgo Tree

Keynote Forum

09:30-09:55 **Graham Lawson**

De Montfort University, UK

09:55-10:20 **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

10:20-10:40 **Title: Utilizing confocal Raman spectroscopy to understand monoclonal antibody purification by a strong cation exchanger**
Yuewu Xiao, Merck Millipore, USA

10:40-11:00 **Title: Identification of CTP-499 metabolites in human plasma and urine**
Changfu Cheng, Concert Pharmaceuticals, Inc., USA

Coffee Break 11:00-11:15 @ Foyer

11:15-11:35 **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

11:35-11:55 **Title: Multifunctional SERS active silver-hybrid nanocomposites in (bio)analytics**
Inez M Weidinger, Technical University of Berlin, Berlin

11:55-12:15 **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

12:15-12:35 **Title: Evaluation of affinity capillary electrophoresis for ligand binding assays**
Deia Abd El-Hady, King Abdulaziz University, Saudi Arabia

12:35-12:55 **Title: Aptamer-functionalized nanoporous gold for directly electrochemical detection of bisphenol A**
Ye Zhu, Shandong University, China

12:55-13:15 **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

13:15-13:35 **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

14:30-14:50 **Title: NMR analysis of chemical compounds in the gas phase**
Karol Jackowski, University of Warsaw, Poland

14:50-15:10 **Title: Adherence to medication assessed using dried blood spot analysis**
Sangeeta Tanna, De Montfort University, UK

15:10-15:30 **Title: Spectrofluorimetry: A critical review on factors that influence fluorescent intensity in the analysis of diverse chemical substances**
Ahmad Uba, Usmanu Danfodiyo University, Nigeria

15:30-15:50 **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

16:05-16:25 **Title: Analysis of small molecules *in vivo* by MALDI-TOF MS**
Zongxiu Nie, Chinese Academy of Sciences, China

16:25-16:45 **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**

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

09:00-09:20 Title: Novel phenothiazine enhancers in chemiluminescent enzyme immunoassay

Ivan Yu Sakharov, Lomonosov Moscow State University, Russia

09:20-09:40 Title: Automated small molecule bioanalytical sample preparation method development

Ming Li, Biogen Idec, USA

09:40-10:00 Title: Biosensor for detection of organophosphate pesticide residues by screen printed carbon electrode (SPCE)-chitosan base

Ani Mulyasuryani, University of Brawijaya, Indonesia

10:00-10:20 Title: Development of bioanalytical methods for environmental monitoring of toxic chemicals

Yalavarthy Prameela Devi, Kakatiya University, India

10:20-10:40 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

10:55-11:15 Title: Air quality challenges in Wesselton township, South Africa

Shadung Moja, University of South Africa, South Africa

11:15-11:35 Title: Food analysis to check quality, safety and authenticity by full-automated ¹H-NMR

Lu Shan, Bruker BioSpin GmbH, China

11:35-11:55 Title: Bioanalytical applications of gold nanoparticle probes

Zhenxin Wang, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China

11:55-12:15 Title: A crystalline self-assembly from nanorods: Superparticles

Tie Wang, Chinese Academy of Sciences, China

12:15-12:35 Title: The fate and transformation of pharmaceuticals in wetland mesocosms planted with *Scirpus validus*

Dongqing Zhang, Nanyang Technological University, Singapore

12:35-12:55 Title: Selection of phage displayed peptides for the detection of insecticide imidacloprid in soil and water

Ting Xu, China Agricultural University, China

12:55-13:15 Award Presentations

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

Bookmark your dates

6th International Conference and Exhibition on

Analytical & Bioanalytical Techniques

August 24-26, 2015 Valencia, Spain



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