Tentative Program

World Congress on
Biotherapeutics and Bioanalytical Techniques

September 11-13, 2017 Dallas, Texas USA

**Interactive Sessions**
**Keynote Lectures**
**Plenary Lectures**
**Workshops**

**Exhibitors**
**B2B Meetings**

***For available speaker slots***

biotherapeutics@pharmaceuticalconferences.org

http://biotherapeutics.pharmaceuticalconferences.com
# World Congress on Biotherapeutics and Bioanalytical Techniques

**September 11-13, 2017 Dallas, Texas USA**

## Program at a Glance

### Day 1

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<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
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<tbody>
<tr>
<td>08.00-09.00</td>
<td>General Session</td>
<td></td>
</tr>
<tr>
<td>09.00-09.15</td>
<td>Inaugural Address</td>
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<tr>
<td>09.15-09.45</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td>09.45-10.15</td>
<td>Keynote/Plenary Talk 1</td>
<td>Keynote/Plenary Talk 2</td>
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<tr>
<td>10.15-10.45</td>
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<tr>
<td></td>
<td>Panel Discussions/Group Photo</td>
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<tr>
<td></td>
<td>Coffee/Tea Break 10.45-11.00 (Networking)</td>
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<tr>
<td>11.00-12.40</td>
<td>5 Speakers (20 Mins Each)</td>
<td>6 Speakers (20 Mins Each)</td>
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<td></td>
<td>Lunch Break 12.40-13.30</td>
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<tr>
<td>13.30-15.30</td>
<td>6 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td>15.45-17.25</td>
<td>Coffee/Tea Break 15.30-15.45 (Networking)</td>
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### Day 2

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<tr>
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<td>5 Speakers (20 Mins Each)</td>
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<td>Coffee/Tea Break 10.40-10.55 (Networking)</td>
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<td>10.55-12.35</td>
<td>5 Speakers (20 Mins Each)</td>
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<td>Lunch Break 12.35-13.25</td>
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<tr>
<td>13.25-15.05</td>
<td>5 Speakers (20 Mins Each)</td>
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<td>Poster Sessions</td>
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<td></td>
<td>Coffee/Tea Break 15.05-15.20 (Networking)</td>
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<tr>
<td>15.20-17.00</td>
<td>5 Speakers (20 Mins Each)</td>
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### Day 3

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<tr>
<th>Time</th>
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<tr>
<td>15.20-17.00</td>
<td>5 Speakers (20 Mins Each)</td>
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### Closing Ceremony

**NOTE: Program Schedule 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
biotherapeutics@pharmaceuticalconferences.org

Conference Venue
Dallas, USA

For detailed sessions, please visit: http://biotherapeutics.pharmaceuticalconferences.com
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Glimpses of Biotherapeutics Conferences
Plan your Trip to Dallas

- Wichita Falls
- Meadows Museum
- Nasher Sculpture Center
- Reunion Tower
- Sixth Floor Museum
7th International Conference and Exhibition on
Analytical & Bioanalytical Techniques
September 28-30, 2016   Orlando, USA

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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30-09:30</td>
<td>Registrations</td>
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<tr>
<td>09:30-09:50</td>
<td>Opening Ceremony</td>
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<tr>
<td>09:30-11:15</td>
<td>Networking and Refreshments</td>
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<tr>
<td>09:30-12:00</td>
<td>Keynote Forum</td>
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<tr>
<td>12:00-13:00</td>
<td>Lunch Break</td>
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<td>13:00-14:00</td>
<td>Workshop</td>
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<tr>
<td>15:00-16:00</td>
<td>Networking &amp; Refreshment Break</td>
</tr>
<tr>
<td>08:30-09:00</td>
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<tr>
<td>13:00-16:00</td>
<td>Workshop</td>
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<tr>
<td>16:00-17:00</td>
<td>Networking &amp; Refreshment Break</td>
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**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 nanoprobe  
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, Ulha 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

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

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

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

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 Cheimeical 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

Awards & Closing Ceremony

Lunch Break 13:00-13:45

Bookmark Your Dates
9th Analytical & Bioanalytical Techniques Conference
October 02-04, 2017 Atlanta, USA

Website: www.analytical-bioanalytical.pharmaceuticalconferences.com
E-mail: analytica@conferenceseries.com, analytica@conferenceseries.net
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 therapeutic 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 in 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

Session Introduction

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
Maria 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

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

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, Universitas 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 Makhafofa, 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
Proposals are invited for organizing Symposia/Workshops at Conferences or Conference Series LLC will sponsor small events at your universities in related areas under the title of your own.

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### 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

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### Track 1: Novel Approaches to Analytical & Bioanalytical Methods

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

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**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  
Rodalphe Marie, Technical University of Denmark, Denmark

**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

**Title:** Coelenterazine-dependent bioluminescent proteins as effective reporters for in vitro assay  
L A Frank, Russian Academy of Sciences, Russia

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**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

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### 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

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**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

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: A vinblastine fluorescent probe for pregnancy 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

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 phosphatidylerine in milk based nutritional products using online derivatization HPLC
Qi Lin, Abbott Nutrition R&D, Singapore

Coffee Break 15:50-16:05 @ Foyer

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 ¹H-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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**Bookmark your dates**

**6th International Conference and Exhibition on Analytical & Bioanalytical Techniques**

**August 24-26, 2015**  **Valencia, Spain**
Proposals are invited for organizing Symposia/Workshops at Conference Series LLC Conferences or Conference Series LLC will sponsor small events at your universities in related areas under the title of your own.

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Proposals are invited for organizing Symposia/Workshops at Conference Series LLC Conferences or Conference Series LLC will sponsor small events at your universities in related areas under the title of your own.
**Day 1 October 15, 2013**

**Registration**

**Day 2 October 16, 2013**

**Opening Ceremony**

**Keynote Forum**

**Track 1: Novel Approaches to Analytical & Bioanalytical Methods**

**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

**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**

**Track 2: Analytical Methodology**

**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

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

**Coffee Break 15:30-15:45 @ Foyer**

**Track 3: Analytical Techniques in Pharmacology**

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

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

**Title:** Unknown GPC peak identification by multimode GPC-MS/MS/DAD
Nasser Al-Harbi, SABIC Technology Center, Saudi Arabia

**Title:** Direct determination of N-Nitrosodithiethanolamine (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 Gerall, 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

**Coffee Break 11:00-11:15 @ Foyer**

**Day 3**

**Track 1: Chromatographic methods**

**Track 2: Electrophoresis/ligand binding assay**

**Track 3: Extraction/precipitation/purification techniques**

**Track 4: Analytical proteomics and metabolomics**

**Track 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

**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: Natural herbs as alternative and complementary medicine “Herbal tea for treatment of Bronchial Asthma”
Eman G. Haggag, Osaka University, Japan

Title: Assessing biologics adherence behaviors among patients with psoriasis through group-based trajectory models
Yunfeng Li, Novartis Pharmaceuticals Corporation, USA

Title: Soil amendment of brownfields for plant growth by essential bacterial propagation on collagen substrate doped with corresponding impurities
Jacob Cox, Cornell University, USA

Title: Comprehensive analysis of vitamin D analogues: Rapid LC-MS/MS method for quantification of eight metabolites and two epimers
Andreas Riedo, University of Lyon, France

Title: Miniature LIMS system designed for in situ quantitative elemental and isotopic composition measurements of extra-terrestrial material in space research
Brian T. Buckley, National Taiwan University, Taiwan

Title: Ultrafast spectroscopy and the analysis of art pigment degradation and solar energy harvesting complex photoproducts
Seung-Woo Lee, University of Peshawar, Pakistan

Title: Ultrafast spectroscopy and the analysis of art pigment degradation and solar energy harvesting complex photoproducts
Antu K. Dey, Novartis Vaccines & Diagnostics, USA

Title: Bioanalytical characterization of HIV gp120 vaccine antigens and its relation to vaccine-induced antibody response
Truis Smith-Palmer, St Francis Xavier University, Canada

Title: Surface-enhanced Raman spectroscopy for medical diagnostics and bio-imaging
M. Cather Simpson, University of Auckland, New Zealand

Title: Analytical applications of small liquid droplets: From droplet-beam laser-ablation mass spectrometry to single-particle catalyst
Jun-ya Kohno, The University of Kitakyushu, Japan

Title: Pushing time-resolved extreme UV and soft X-ray spectroscopy towards bigger molecules and condensed phase
King-Chuen Lin, National Taiwan University, Taiwan

Title: Application of supercritical fluid chromatography/mass spectrometry to metabolic profiling
Takeshi Bamba, Osaka University, Japan
**Track 9: Recent Applications of Analytical and Bioanalytical Methods**

**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  
Sebastian 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**

**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-MUS/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 Myrmecodia pendans 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 interaction study  
B. M. Gurupadayya, JSS College of Pharmacy, India

**Award Ceremony**