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700th Conference

Scientific Program

7th International Conference and Exhibition on

ANALYTICAL & BIOANALYTICAL TECHNIQUES

September 28-30, 2016 Orlando, USA



Hosting Organization: Conference Series LLC

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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

09:50-10:00 **Introduction**

10:00-10:45 **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

11:15-12:00 **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

12:00-12:30 **Title: The application of proteins from less likely studied samples from south east**
Jaya Vejayan, University Malaysia Pahang, Malaysia

12:30-13:00 **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

14:00-14:30 **Title: Extractive electrospray ionization mass spectrometry for biosample analysis**
Huanwen Chen, Jiangxi Key Laboratory for Mass Spectrometry and Instrumentation, China

14:30-15:00 **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

15:00-15:30 **Title: Characterization of honey in terms of physicochemical parameters and trace heavy metals. Amhara region**
Esubalew Adugna, Addis Ababa University, Ethiopia

15:30-16:00 **Title: The new photoelectric materials for analytical applications**
Dongxue Han, Changchun Institute of Applied Chemistry-CAS, China

Networking & Refreshment Break 16:00-16:20

16:20-16:50 **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

09:15-10:00 **Title: Can "matrix effect" in LC/MS or LC/MS/MS assay be avoided or fully compensated**
Miroslav Ryska, QUINTA-ANALYTICA, Czech Republic

10:15-11:00 **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

11:20-12:00 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

12:00-12:30	**Title: Elucidation of drug metabolite structural isomers using molecular modeling coupled with ion mobility mass spectrometry** **Eamonn Reading**, King's College London, UK
12:30-13:00	**Title: Cynoprobe online, in process cyanide analyzer** **Makhapa Makhafola** , Mintek, South Africa
	Lunch Break 13:00-13:45
13:45-14:15	**Title: A chemotaxonomic study of medicinal cannabis** **Shengxi Jin**, Labs-Mart Inc., Canada
14:15-14:45	**Title: Understanding the Transformation Pathways of Atmospheric Aerosols: Some Revelations from Analytical Chemistry Techniques** **Song Gao**, Stetson University, USA
14:45-15:15	**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 Presentations: 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

10:00- 10:30	**Title: Use of novel flow imaging particle analysis in biopharmaceutical formulation (FlowCam®)** **Kent Peterson,** Fluid Imaging Technologies, USA
10:30-11:00	**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

11:20-12:00	**Title: Electrochemical sensing based on modified interfaces and analytical instrument-integrated applications** **Li Niu,** Changchun Institute of Applied Chemistry-CAS, China
12:00-12:30	**Title: Multiplexed, flexible and portable plasmonic biosensing on-chip** **Jie He,** University of Cincinnati, USA
12:30-13:00	**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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