Tentative Program

3rd International Conference and Exhibition on

Advances in Chromatography & HPLC Techniques

Berlin, Germany July 13-14, 2017



For available speaker slots

hplc@conferenceseries.net

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)		
	11.00-12.40	5 Speakers (20 Mins Each)	
Evening Sessions	**Lunch Break 12.40-13.30**		
	13.30-15.30	6 Speakers (20 Mins Each)	
	Coffee/Tea Break 15.30-15.45 (Networking)		

Day 2

Morning Sessions		Time	Session 1	Session 2
	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)
Evening Sessions	**Lunch Break 12.35-13.25**			
	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)
Awards & Closing Ceremony				

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

For more details PS: http://hplc.conferenceseries.com/

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http://hplc.conferenceseries.com/registration.php

Glimpses of HPLC















Glimpses of HPLC















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Brandenburg gate


Berlin TV Tower


Berlin City


Museum Island Berlin


Check Point Charlie


Pergamon Museum


Berlin garden


East Side Berlin Wall

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Scientific Program

International Conference and Exhibition on

Advances in HPLC & Chromatography Techniques

March 14-15, 2016 London, UK



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Day 1 March 14, 2016

Registrations

Gates

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Opening Ceremony

Keynote Forum

Introduction

Boguslaw Buszweski
Nicolaus Copernicus University, Poland

Kal Karim
University of Leicester, UK

Gerhard Kratz
ABCR GmbH & Co. KG, Germany

Group Photo

Networking & Refreshments Break

Track 1: Advances in Various Chromatographic Techniques
Track 2: Fundamentals and Advances in Liquid Chromatographic Separation
Track 3: Advances in HPLC Instrumentation
Track 4: Hyphenated HPLC methods
Track 5:Chip Based Separations

Session Chairs: Jacob de Boer, VU University, The Netherlands
Boguslaw Buszweski, Nicolaus Copernicus University, Poland
Session Co-chair: Kal Karim, University of Leicester, UK

Session Introduction

Development of analytical fingerprints for the quality control of snake venoms raw substances
Gaelle Coussot, University de Montpellier, France

Novel high performance polymer-based anion exchangers for ion chromatography
Aleksandra Zatirakha, Lomonosov Moscow State University, Russia

Study of amphiphile molecules by RP-UHPLC-DAD/CAD for vectorization applications
Karen Gaudin, Universityof Bordeaux, France

Hydrodynamic chromatography coupled to ICP-MS for studying nanoparticles in complex media
Allan Philippe, Koblenz-Landau University, Germany

Lunch

Micro/nano fluid handling system using surface acoustic wave
Hiroki Kuwano, Tohoku University, Japan

The Orthogonal Pressurized Planar Electrochromatography (OPPEC) - its application to micro-preparative separation
Rafal Gajos, Medical University of Lublin, Poland

Application of polyvinylpyrrolidone-polystyrene composite nanofibers coupled with high performance liquid chromatography in the analysis of several polar molecules
Lanling Chu, Southeast University, China

Cell-type metabolic analysis: A new tool for understanding metabolic heterogeneity
Arieh Moussaieff, Hebrew University, Israel

Networking & Refreshments Break

Comprehensive Multi-Dimensional Liquid Chromatography for Effect-Directed Analysis in Effluents and Surface Water
Jacob de Boer, VU University, The Netherlands

Headspace microextraction in packed sorbent coupled to cooling device as a new extraction technique for the HPLC determination of PAHs in soil samples
Payman Hashemi, Lorestan University, Iran

Panel Discussion

Gates

Keynote Forum

Jacob de Boer
VU University, The Netherlands

Dusan Berek
Slovak Academy of Sciences, Slovakia

Track 6: High Efficiency and High Resolution Techniques
Track 7: Method Development
Track 8: Chemometric Optimization
Track 9: Applications of HPLC
Track 10: Biochemical Applications

Session Chair: Dusan Berek, Slovak Academy of Sciences, Slovakia
Session Co-chair: Hiroki Kuwano, Tohoku University, Japan

Session Introduction

Simultaneous Determination of Vitamin D-2, D-3 and their 25- Hydroxy Metabolites in Human Plasma by Ultra-Performance Liquid Chromatography
Syed N Alvi, King Faisal Specialist Hospital & Research Centre, Saudi Arabia

Proteolysis inside a coated capillary: new development for the Quality Control of therapeutic antibodies?
Gaelle Coussot, University de Montpellier, France

Using innovative combination of Quality by Design and green analytical chemistry approaches for the development of analytical methods in pharmaceutical sciences
Ludivine Ferey, Universityof Bordeaux, France

Two-dimensional Microscale Sample Pretreatment Technique for MS/MS Comprehensive Analysis of Complex Samples
Donghao Li, Yanbian university, China

Lunch

Poster Presentation

Application of Green Micellar UPLC for Analysis of the Anti-epileptic Levetiracetam and Its Toxic Impurity
Nada Abdelwahab, Beni-Suef University, Egypt

Development of a general gas chromatography method for the quantitation of residual solvents using a QbD approach
Cátia Sousa, Hovione Farma Ciencia, Portugal

UPLC method implementation: Saving time and costs
Cátia Sousa, Hovione Farma Ciencia, Portugal

Eco-friendly RP-HPLC DAD determination of the anticancer flutamide and its toxic synthesized metabolites
Nehal Farid, Beni-Suef University, Egypt

UPLC-C30 advances support approach to probe carotenoid isomers in Cyanobacteria inhabiting thermal springs in Saudi Arabia
Hatem E M Abdelwahab, University of Jeddah, KSA

Separation of enantiomers of selected chiral beta-agonists with polysaccharide-based chiral stationary phases and aqueous mobile phases
Ann Gogolashvili, Tbilisi State University, Georgia

Separation of enantiomers of selected chiral triazole derivatives with polysaccharide-based chiral stationary phases and aqueous mobile phases
Lali Tchankvetadze, Tbilisi State University, Georgia

Development of a stable and rapid UPLC quantification of vitamin C in food and pharmaceutical supplements
Hassan M Albishri, King Abdulaziz University, Saudi Arabia

Workshop on:
Advanced Liquid Chromatography Methods for Comprehensive Molecular Characterization of Synthetic Polymers
Dusan Berek, Slovak Academy of Sciences, Slovakia

Networking & Refreshments Break

The methods for the determination of bioactive alkaloids of hallucinogenic mushrooms
Anna Poliwoda, Opole University, Poland

Sensitive and rapid HPLC-UV method with back-extraction step for the determination of sildenafil in human plasma
Bayan Alkhawaja, University of Bath, UK

Retention and Selectivity of Cogent HydrideTM based Stationary phases in Hydrophilic Interaction Liquid Chromatography (HILIC)
Eman Santali, University of Strathclyde, UK

Award Ceremony

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686th Conference

Scientific Program

World Congress on

CHROMATOGRAPHY

September 21-23, 2016 Amsterdam, Netherlands



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Registrations

Meeting Place 2

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Opening Ceremony

Keynote Forum

Introduction

Title: Roles of chromatography in developing traditional herbal/ayurvedic medicine (phytomedicines)
Ramesh C Pandey, GDP Ayurvedic University, USA
Title: Aqueous normal phase chromatography. A new approach to complex sample analysis
Joseph J Pesek, San Jose State University, USA
Title: Macro and micro-scale methods using large volume injections and heart-cutting 2D-LC for ultrahigh sensitivity bioanalysis
Filip Cuyckens, Janssen R&D, Belgium

Group Photo & Networking & Refreshment@ Pre Function

Session:
Affinity Chromatography

Session Introduction

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

Session Co-Chair: Evelien Wynendaele, Ghent University, Belgium

Title: Fingerprinting of natural product by eastern blotting using monoclonal antibodies
Yukihiro Shoyama, Nagasaki International University, Japan
Title: Topiramate quantitation in human plasma by liquid chromatography-tandem mass spectrometry: Application to therapeutic drug monitoring
Kamal Matar, Kuwait University, Kuwait
Title: New applications of reversed phase chromatography for detection and quantitation of certain adulterants in illegal herbal medicines
Ahmed Mohamed Ali Hemdan, Ahram Canadian University, Egypt
Title: Implementation of UHPLC-single quad MS platform: The next level transforming pharmaceutical quality control laboratories
Evelien Wynendaele, Ghent University, Belgium
Title: Analysis of natural crosslinks by liquid chromatography mass spectrometry using a silica hydride column
Rafea M Naffa, Massey University, New Zealand
Title: A novel and fast approach to monitor cell disruption efficiency
Britta Eggenreich, Vienna University of Technology, Austria

Lunch Break@ The Gallery

Session:
High Performnace Liquid Chromatography | Gas Chromatography

Session Introduction

Session Chair: Michael Soll, Frontier Laboratories, Germany

Session Co-Chair: Katsuhiro Maeda, Kanazawa University, Japan

Title: Quantification of drug metabolites in the absence of authentic standards
Filip Cuyckens, Janssen R&D, Belgium
Title: The Development of Standards for Quality Control of Herbal Medicines
Siu-Po IP, The Chinese University of Hong Kong, Hong Kong
Title: Study on the generation mechanism and change regularity of characteristic "raisin" flavor compounds in raisins
Dong Wang, China Agricultural University, China
Title:Elution order switchable chiral stationary phases for HPLC based on switching and memory of helicity in polyacetylenes in the solid state
Katsuhiro Maeda, Kanazawa University, Japan

Networking and Refreshments Break@ Pre Function

Title: Biomass upgrading and catalyst characterization using a tandem reactor - GC/MS system
Michael Soll, Frontier Laboratories, Germany
Title: A novel toolbox with chromatogram fingerprints for lysis monitoring in E.coli bioprocesses
Vignesh Rajamanickam, Vienna University of Technology, Vienna, Austria

Panel Discussion

Day 2 September 22, 2016

Meeting Place 2

Keynote Forum

Title: Comprehensive molecular characterization of multi-component synthetic polymers with liquid chromatography
Dušan Berek, Polymer Institute of the Slovak Academy of Sciences, Slovakia
Title: Unsupervised component analysis: How to retrieve independent contributions
Jorge Costa Pereira, University of Coimbra, Portugal
Title: Retention time correction in gas chromatography by modelling concentration related effects
R Kapeller, Austrian Agency for Health and Food Safety, Austria

Networking and Refreshments Break@ Pre Function

Poster Presentations 11:30-12:00

CGY-001 **Title: Sensitive determination of phthalates in edible oils enabled through elimination of phthalate background from HPLC–MS/MS**
Adam Vavrouš, Charles University in Prague, Czech Republic

CGY-002 **Title: Performance Comparison Between Monolithic Column And Silica Based C-18 Particle Packed Column For The Determination Of Three Anti-diabetics In Pharmaceuticals**
A. Hemdan, Ahram Canadian University, Egypt

CGY-003 **Title: Spectrophotometric determination and recovery of Cr(VI) from waste water by using a novel calix[4] arene based on polymer inclusion membrane (PIM) modified with nanocomposite graphene oxide**
Canan Onac, Pamukkale University, Turkey

CGY-004 **Title: A link between aberrant methylation level and AA adducts: Fact or coincidence**
Dalia El-Zeihery, Beni-Suef University, Egypt

CGY-005 **Title: Novel approach for targeted profiling of plant ecdysteroids by UHPLC-MS/MS vs. SFC-UV/MS**
Danuse Tarkowska, Palacky University, Czech Republic

CGY-006 **Title: MLC as an effective tool in the prediction of human intestinal absorption**
D S Shokry, University of Huddersfield, UK

CGY-007 **Title: Simultaneous determination and validation of telmisartan and amlodipine in pharmaceutical preparations using capillary electrophoretic method**
Ebru TÜRKÖZ Acar, Yeditepe University, Turkey

CGY-008 **Title: Rapid identification of anti-inflammatory active ingredients from Tumuxiang based on spectrum-effect relationship and natural products application solution with UNIFI**
Fangdi Hu, Lanzhou University, P. R. China

CGY-009 **Title: Identification of components from Sinapis semina that act on the thoracic aorta by screening using cell membrane chromatography combined with online-high performance liquid chromatography-mass spectrum**
Fen Wei, Xi'an Jiaotong University, China

CGY-010 **Title: Performance evaluation of different columns in hydrophilic interaction liquid chromatography for the determination of N-nitrosodiethanolamine in shampoo**
G Abedi, Alzahra University, Iran

CGY-011 **Title: Analysis of endogenous aldehydes in human urine by static headspace gas chromatography–mass spectrometry**
Manuel Silva, University of Córdoba, Spain

CGY-012	**Title: Temperature controlled liquid phase microextraction, in-situ derivatization for determination of estrogens in water by gas chromatography-tandem mass spectrometry** **Maw-Rong Lee**, National Chung Hsing University, Taiwan
CGY-013	**Title: Origin of haloacetic acids in milk and dairy products** **Mercedes Gallego**, University of Córdoba, Spain

Session:
Adsorption Chromatography | Ion Exchange Chromatography

Session Introduction

Session Chair: Jorge Costa Pereira, University of Coimbra, Portugal

Session Co-Chair: Wojciech Strzałka, Jagiellonian University, Poland

Title: Multi-dimensional ion chromatography–mass spectrometry for simultaneous determination of extracellular metabolites in Clostridium thermocellum
Yun Fa, Chinese Academy of Sciences, China
Title: Dendron-based stationary phases for hydrophobic interaction chromatography
Sena Yaman, Izmir Institute of Technology, Turkey
Title: Separation of drug active ingredients by using subcritical water chromatography
Berkant Kayan, Aksaray University, Turkey
Title: Implementation of ssDNA aptamers for imidazole-free purification of His3-tagged recombinant proteins
Wojciech Strzałka, Jagiellonian University, Poland

Lunch Break@ The Gallery

Poster Presentations 14:00-14:50

CGY-014	**Title: Introducing a versatile tandem µ-reactor-GC/MS system for rapid characterization of catalysts: Ethanol and citrus unshiu peel conversion** **Michael Soll**, Frontier Laboratories, Japan
CGY-015	**Title: Evaluation of Fe3O4.SiO2.Al(OH)3 and Fe3O4.Al(OH)3 nanostructures for extraction and pre-concentration of 1,4-dioxane from shampoo by gas chromatography** **Mina Ranjbar Zandaragh**, Imam Khomeini International University, Iran
CGY-016	**Title: Chromatographic purification of the water extract of Virola surinamensis (Rol.) Warb, an Amazonian medicinal plant** **Mirtes Midori Tanae**, Universidade Federal de São Paulo, São Paulo, Brazil
CGY-017	**Title: A validated UPLC-UV method for bisphenol A (BP-A) levels detection in imported plastic toys and drinking bottled water in Kuwait** **Naser Faisal Al-Tannak**, Kuwait University, Kuwait
CGY-018	**Title: Use of gas chromatography to determine the cholesterol level in samples of meat and meat products** **Ropota Mariana**, National Research & Development Institute for Animal Biology and Nutrition (IBNA), Romania
CGY-019	**Title: A validated LC-MS/MS assay for the quantitative determination of Hypophyllanthin and silibinin in Human Plasma: Application to a pharmacokinetic study in healthy volunteers** **Said A. Hassan**, Cairo University, Cairo, Egypt
CGY-020	**Title: Separation of seven flavonoids in Astragali radix using ultra-performance subcritical fluid chromatography on different stationary phases** **Shilan Feng**, Lanzhou University, China
CGY-021	**Title: Preparation of tetraoxocalix [2]arence[2]triazine coated Fe3O4 @SiO2 magnetic nanoparticles and its application in determination of PAHs in smokers urine** **Shusheng Zhang**, Zhengzhou University, China
CGY-022	**Title: Development of a multicomponent method for the analysis of banned substances in cosmetic products by GC-MS/MS** **Ševčík Václav**, National Institute of Public Health, Czech Republic
CGY-023	**Title: A novel toolbox for impurity pattern monitoring during inclusion body processing** **Vignesh Rajamanickam**, Vienna University of Technology, Vienna, Austria

CGY-024 **Title: Feasibility of correlating separation of ternary mixtures of neutral analytes via thin layer chromatography with supercritical fluid chromatography in support of green flash separations**

Tony Q Yan, Pfizer Inc., USA

CGY-025 **Title: New method of screening allergenic components from Yejuhua injection with LAD2/CMC model online UHPLC-ESI-IT-TOF-MS system**

Yanni Lv, Xi'an Jiaotong University, China

CGY-026 **Title: Screening allergenic components from Danshen injection via HMC-1/CMC online UHPLC-ESI-MS/MS system**

Yuanyuan Lin, Xi'an Jiaotong University, China

Session:
Molecular Exclusion Chromatography

Session Introduction

Session Chair: Romain Kapel, University of Lorraine, France

Session Co-Chair: Fabian Holenstein, Novartis Institutes for Biomedical Research, Switzerland

Title: Separation of hydrophobic amino acid enantiomers in CEC system by molecular imprinting technique
Koray Şarkaya, Düzce University, Turkey
Title: N-Acylated chitosan Bis(arylcarbamate): A class of chiral separation materials with powerful enantioseparation ability and high tolerability to organic solvents
Sheng Tang, Wuhan Institute of Technology, China
Title: Permeation profiles of hormones and NSAIDs through vaginal mucosa using Pentravan cream
Hudson Polonini, Federal University of Juiz de Fora, Brazil
Title: Automated harvesting and 2-step purification of eight 1-L unclarified mammalian cell-culture broths containing antibodies using a novel configuration on ÄKTATM pure
Fabian Holenstein, Novartis Institutes for Biomedical Research, Switzerland
Title: Size-exclusion HPLC as a sensitive and calibrationless method for complex peptide mixtures quantification
Romain Kapel, University of Lorraine, France

Networking and Refreshments Break@ Pre Function

Day 3 September 23, 2016

Meeting Place 2

Keynote Forum

Title: Kinetic chromatography: A new approach to study kinetics of reversible protein-drug binding
Sergey N Krylov, York University, Canada
Title: Micro-planar chromatography as useful tool for low resolution metabolomics study and environmental samples assessment
Paweł K Zarzycki, Koszalin University of Technology, Poland

Networking and Refreshments Break@ Pre Function

Session:
Special Techniques in Chromatography | Spectroscopy

Session Introduction

Session Chair: Sergey N Krylov, York University, Canada

Session Co-Chair: Jennifer E Claus, MilliporeSigma, USA

Title: Raman spectroscopy based method for the evaluation of compositional consistency of nanofibrous layers
Adéla Kotzianová, Contipro Pharma a.s., Czech Republic
Title: Spectrophotometric determination of Cr(iii) and Pb(ii) using 5,11,17,23-tetra[(2-ethyl acetoethoxyphenyl) (azo) phenyl]calix[4]arene
Nguyen Khanh Hoang, Industrial University of HoChiMinh City, Vietnam
Title:Inverse liquid chromatography in surface characteristic of materials
Katarzyna Adamska, Poznan University of Technology, Poland

Title: Enantiomer separations of amino acids and derivatives on immobilized polysaccharide phases with extended range of solvents using supercritical fluid chromatography
Tony Q Yan, Pfizer Inc., USA

Lunch Break@ The Gallery

Title: Comprehensive two-dimensional critical chromatography a tool to understand the behavior of random and block copolymers in chromatography
Aschwin van der Horst, Nuplex, Netherlands
Title: Chromatography in the NMR tube
Michael John, Institute of Anorganische Chemie, Germany
Title: Aptamer-based affinity chromatography as a rapid, single step method for purification of native proteins
Svetlana M Krylova, York University, Canada
Title: Removal of lipid interferences using zirconia-based solid phase extraction (SPE) and QuEChERS sorbents
Jennifer E Claus, MilliporeSigma, USA

Networking and Refreshments Break@ Pre Function

Award Ceremony



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September 28-30, 2016 Orlando, USA



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Day 1 September 28, 2016

Registrations

Salon 1

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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

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

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

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 Refreshment

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

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

Poster Presentations: 15:35-17:00

Title: Oral fluid LC-MS/MS analysis as ante-mortem detection of oxytetracycline in swine

Anna Gajda, National Veterinary Research Institute, Poland

Title: Comparative analysis of RP-HPLC, turbidimetric and UV methods used for the determination of cefepime hydrochloride in pharmaceuticals

Danilo Fernando Rodrigues , UNESP, Brazil

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

Title: Dipeptidyl peptidase IV (DPP IV) inhibitors from plant extracts by TLC bioautography

Lihua GU, Shanghai University of Traditional Chinese Medicine, China

Title: Utility of capillary microsampling for rat pharmacokinetic studies: Comparison of tail-vein bleeds to jugular vein cannula sampling

J Wang, Sanofi Genzyme, USA

Title: Differential systemic exposure to galangin after oral and intravenous administration to rats

Junqing Zhang, Hainan Medical University School of Pharmacy, China

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

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

Title: Analytical techniques for quantifying the ertapenem sodium with a look at green chemistry

Tahisa Marcela Pedroso, UNESP-Universidade Estadual Paulista, Brazil

Title: Multi-class method for the determination of antibacterials in honey by liquid chromatography-tandem mass spectrometry

Tomasz Bladek, National Veterinary Research Institute, Poland

Title: Piezoelectric positioning system technology for modulation of electrochemical imaging detection device

Wei Wang, Changchun Institute of Applied Chemistry-CAS, China

Title: Method development of carbohydrate profile for Abbott nutrional products using HPAEC/PAD

Yi Ding, Abbott Nutrition Research and Development, Singapore

Title: Analysis of Raman scattering signals for chemicals by using deep UV laser

Young Jin Koh, Agency for Defense Development, South Korea

Title: Measurement of Raman spectra for various real surfaces by using a 248 nm mobile Raman spectrometer

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 Refreshment

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



Bookmark Your Dates

9th Analytical & Bioanalytical Techniques Conference

October 02-04, 2017 Atlanta, USA

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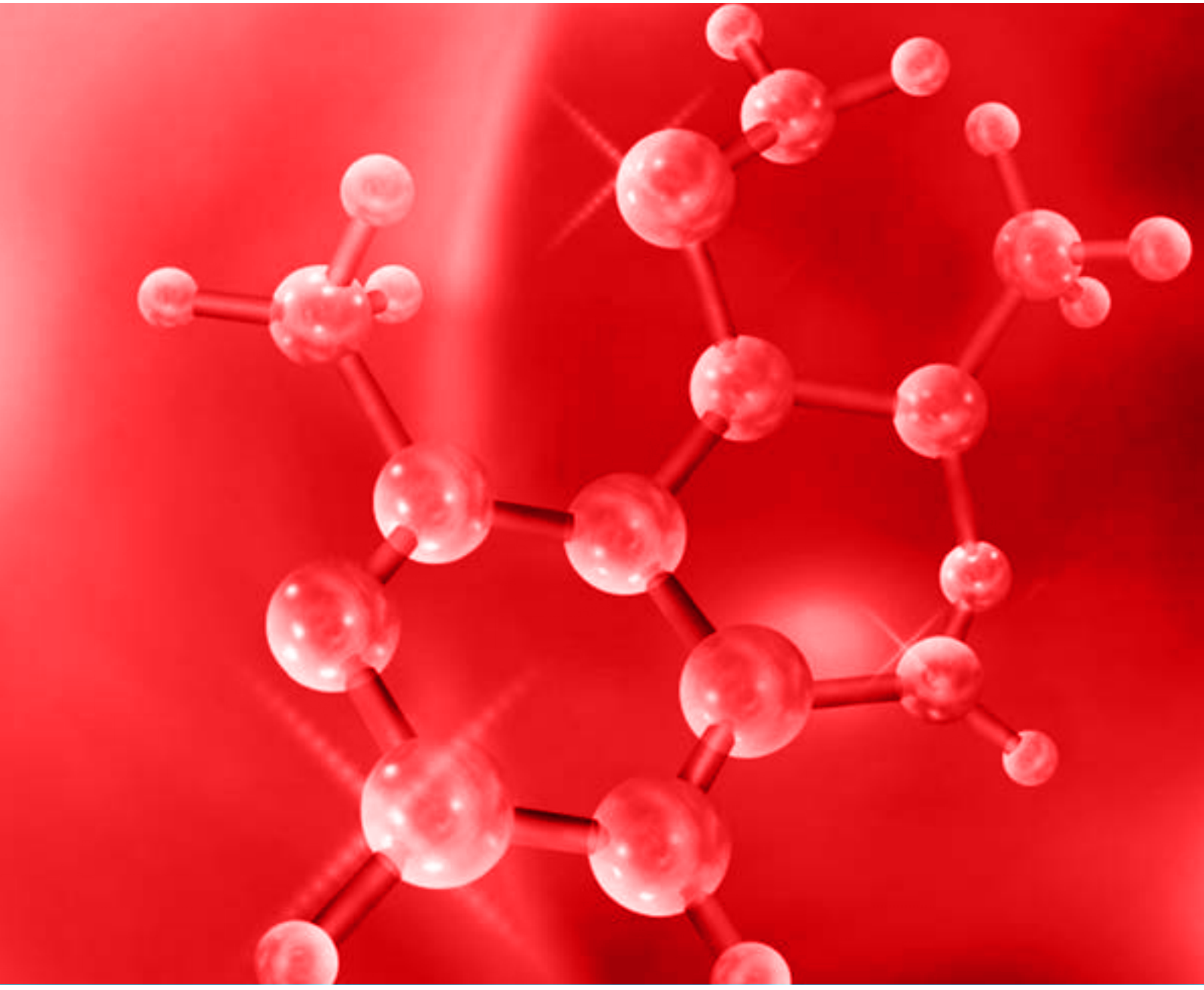
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Scientific Program

International Conference on

POLYMER SCIENCE & ENGINEERING

August 22-24, 2016 New Orleans, USA



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Scientific Program

Day 1 August 22, 2016

Registrations

Hall B

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Opening Ceremony

Keynote Forum

Introduction

Title: Brief history of plastics and how they conquered the world
Mosongo Moukwa, PolyOne Designed Structures and Solutions, USA

Title: New chemical approaches to complete solvent removal and their applications in preparation of non-porous and porous PLGA microspheres
Hongkee Sah, Ewha Womans University, Republic of Korea

Group Photo

Networking & Refreshments Break

Sessions: Polymer Physics

Session Introduction

Session Chair: Padmaja Guggilla, Alabama A&M University, USA

Title: MWCNT doped PVDF: Nanocomposite films and their Raman spectral analysis
Padmaja Guggilla, Alabama A&M University, USA

Title: Effect of dispersion process and anionic to non-ionic ratio on properties of waterborne polyurethane dispersion
Suresh Kolekar, Pidilite private Ltd. India

Title: The surface activity of polymeric materials as determined from computational simulation
Guy Francis Mongelli, Case Western Reserve University, USA

Title: IR TMOA-Infrared Transition Moment Orientational Analysis as a valuable method to determine the spatial orientation and order of distinct subunits in polymeric systems
A M Anton, University of Leipzig, Germany

Title: Conducting polymers: Synthesis and kinetic study bypulsedradiolysis
Cecilia Coletta, Université Paris-Saclay, France

Lunch Break

Sessions: Polymer Nanotechnology | Biodegradable Polymers | Advanced Polymer structures

Session Introduction

Session Chair: Ana Barros-Timmons, University of Aveiro, Portugal

Title: Grafting PLA onto GO and its effect on derived nanocomposites
Ana Barros-Timmons, University of Aveiro, Portugal

Title: Strong biodegradability of vinyl polymers exerted by insertion of N-benzyl-4-vinylpyridinium PBVP(Br), halide into the main chain
Nariyoshi Kawabata, University of Shiga Prefecture, Japan

Networking & Refreshments Break: 14:50-15:10

Title: The glass transition temperature of thin polycarbonate films and trinitrotoluene (TNT): Measured by Flash Differential Scanning Calorimetry (Flash DSC)
Nabila Shamim, Texas Tech University, USA

Title: Influence of covalent and ionic crosslinking on structure development in hydrogels assembled via *in situ* photo-polymerization
Saminu M Magami, Edinburgh Napier University, United Kingdom

Title: Studies of near surface dynamics and filler dispersion in nanocomposites
James Hart, Durham University, UK

Title: Quantum nanoparticles doped polymer waveguides for light propagation
Parva Chhantyal, Laser Zentrum Hannover, Germany

Panel Discussion

Day 2 August 23, 2016

Hall B

Keynote Forum

Title: Challenges for nano-scale imaging of polymeric nanostructures by electron microscopy
Hiroshi Jinnai, Tohoku University, Japan

Sessions: Frontiers in Polymer Science & Engineering | Polymers meet Biology & Biosystems | Applications of Polymers

Session Introduction

Session Chair: Nurettin Sahiner, Canakkale Onsekiz Mart University, Turkey

Title: Conductive PEI semi-IPN cryogels: Synthesis and characterization
Nurettin Sahiner, Canakkale Onsekiz Mart University, Turkey
Title: Degradable polymers for the oil and gas industry
Sherry Zhu , Schlumberger-Doll Research Center, USA

Networking & Refreshments Break

Title: Powder cellulose nanocrystal (nanowhisker) prepared for functional filler of polymers
Toshihiko Arita, Tohoku University, Japan
Title: Preparation and characterization of functionalized heparin-loaded poly-ε-caprolactone fibrous mats to prevent infection with human papillomaviruses
Daniela Gonzalez, University of Nebraska Lincoln, USA
Title: Biodegradable drug delivery vehicles produced by controlled ring-opening polymerisations
Mthulisi Khuphe, University of Leeds, United Kingdom
Title: Preparation of a nanobiocomposite scaffold containing boron modified bioactive glass nanoparticles and biopolymers of cellulose acetate/pullulan/gelatin and evaluation of its application in dentin tissue engineering
Reza Moonesi Rad, Middle East Technical University, Turkey
Title: On the effect of autofrettage on compressive behavior of fiber metal composite cylinder
Sumana B G, Government Engineering College, India

Lunch Break

Poster Presentations: 14:10-14:40

Title: The catalytic activity of cathode with sputtered cobalt with graphene oxide on carbon paper
Dong Min Kim, Hongik University, Republic of Korea
Title: Ionic liquid-based polymer electrolytes via surfactant-assisted polymerization at the plasma-liquid interface
Ho-Suk Choi, Chungnam National University, Republic of Korea
Title: The use of poly (tris(2-aminoethyl)amine-co-glycerol diglycidyl ether microgel as template for Co, Ni nanoparticles and their use as catalyst for H_2 production from $NaBH_4$ hydrolysis
Nurettin Sahiner, Canakkale Onsekiz Mart University, Turkey
Title:The preparation of imidazolium based composite polymeric ionic liquid microgels containing Co metal nanoparticles and their use as catalyst in hydrolysis of $NaBH_4$
Nurettin Sahiner, Canakkale Onsekiz Mart University, Turkey
Title: Synthesis of novel type of functional macromolecules by quasi living polymerizations and subsequent modifications
Balázs Pásztói, Hungarian Academy of Sciences, Hungary

Interactive sessions by JPK Instruments and Malvern Instruments

Title: Latest developments in hardware and applications for advanced, multi-detector GPC/SEC
Carrie Schindler, Malvern Instruments, USA

Networking & Refreshments Break

Title: Modern tools for analyzing morphology and nano-mechanical properties of polymers
Matt thompson, JPK Instruments, Germany

Workshop on **Introduction to GPC with triple detection and its capabilities**
by: **Carrie Schindler,** Malvern Instruments, USA

Panel Discussion

Day 3 August 24, 2016

Hall B

Sessions: Polymer Material Science & Engineering | Composite Polymeric Materials

Session Introduction

Session Chair: Mahdi Saud Alajmi, Public Authority for Applied Education and Training, Kuwait

Title: Mechanical and nanoindentation studies on nano-layered silicate reinforced recycled glass-filled polyamide 12 nanocomposites
Mahdi Saud Alajmi, Public Authority for Applied Education and Training, Kuwait

Title: Towards the realization of post-silicon smart systems: IPMC based sensors
Salvatore Graziani, University of Catania, Italy
Title: Preparation of a photoactive 3D polymer pillared with metalloporphyrin
Rahmatollah Rahimi, Iran Universty of Science and Technology, Iran

Networking & Refreshments Break

Title: Co, Ni and Cu metal nanoparticle containing cationic p(MTMA) microgel composites as catalyst for H_2 generation and nitro compound reductions
Omer F Ozturk, Canakkale Onsekiz Mart University, Turkey
Title: Photocatalytic properties of TiO_2-Graphene nanocomposite as a 2D polymer photosensitized with porphyrin
Rahmatollah Rahimi, Iran University of Science and Technology, Iran
Title: Effect of surface modification of multi wall carbon nanotubes on the electrical properties of the polymer composite epoxy/CNT
Milena Kurkowska, Warsaw University of Technology, Poland

Panel Discussion

Lunch Break & Closing Ceremony



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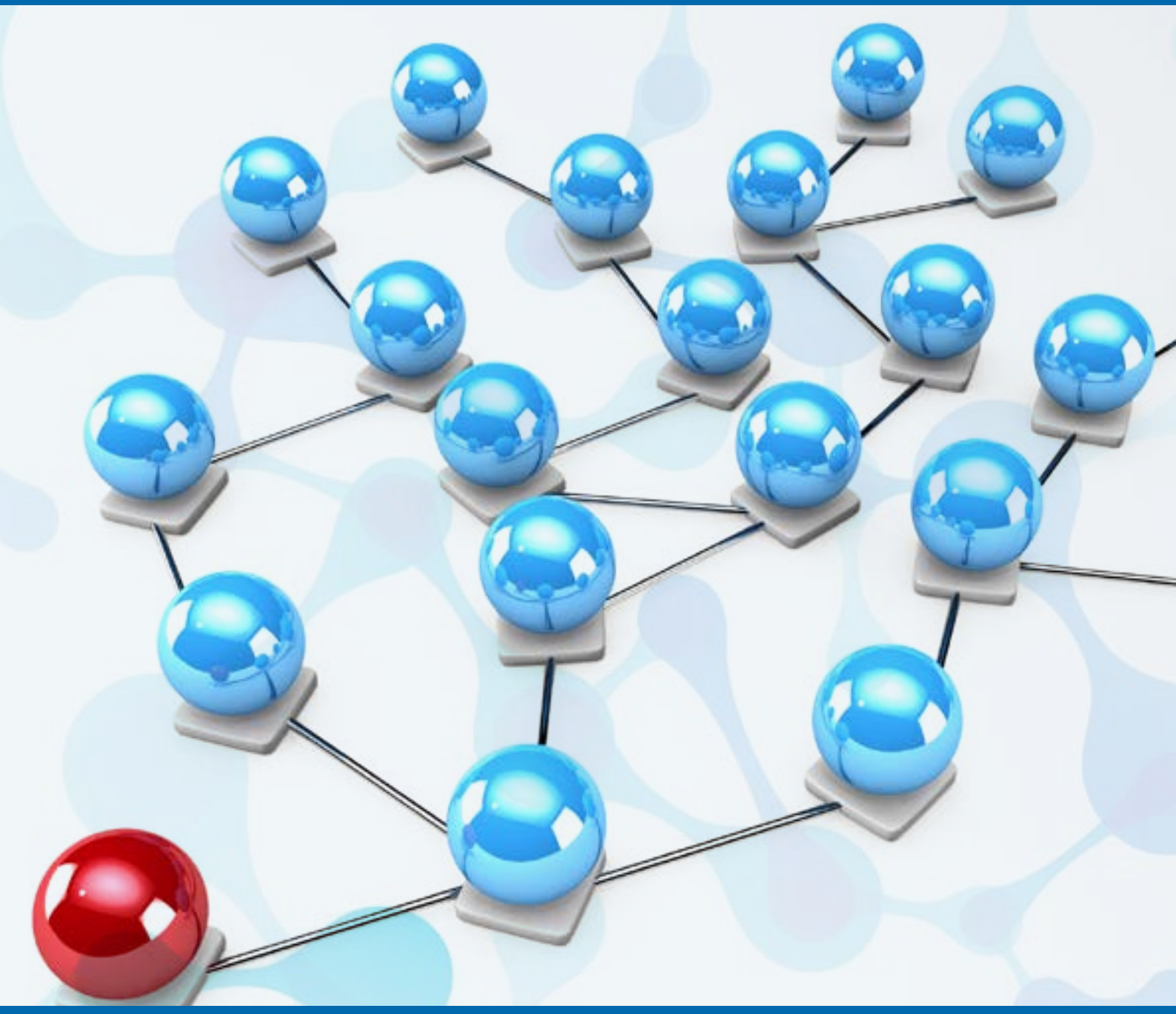
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Scientific Program

4th International Conference and Exhibition on

Materials Science & Engineering

September 14-16, 2015 Orlando, USA



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Scientific Program

Day 1 September 14, 2015

Registrations

Continental Ballroom 5-7

OMICS International
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Opening Ceremony

Keynote Forum

Introduction

Igor Kosacki
Honeywell International, Inc., USA

Haruo Sugi
Teikyo University, Japan

Jas Pal Badyal
Durham University, United Kingdom

Group Photo @ Continental Ballroom 5-7

Coffee Break @ Foyer

Track 1: Materials Science and Engineering

Session Chair: Wei Pan, Tsinghua University, China

Session Co-Chair: Rahul Basu, Sambhram Institute of Technology (SAIT), India

Session Introduction

Title: Promising thermal barrier coating candidates for next generation gas turbine
Wei Pan, Tsinghua University, China

Title: Perturbation analysis of the solidification problem for a sphere in porous media
Rahul Basu, Sambhram Institute of Technology (SAIT), India

Title: Effect of heat treatment on precipitation behaviour of intermetallic phases in duplex steel
Pavel Podany, COMTES FHT a.s., Czech Republic

Title: Failure of an Inconel 718 die used in production of hot copper direct extrusion
Michal Burchis Schwartz, S.C Laromet S.A, Romania

Title: High temperature phase transformation and the mechanism in $YTaO_4$
Jing Feng, Kunming University of Science and Technology, People's Republic of China

Title: A visual method for systematic multi-objective material selection in engineering design
Luca Masi, Granta Design, UK

Lunch Break @ Continental Ballroom 2-4

Title: Characterization of magnetic glass ceramics derived from iron oxides bearing rolling mill scales wastes
Nehal Ali Erfan Abdelwahab, East Carolina university, USA

Title: A theoretical framework for predicting the temperature variation of the properties of metals established on a feasible electronic basis
Reza Rahemi, University of British Columbia, Canada

Title: Effect of high impact loading on nanoclay reinforced polypropylene
Shishay Amare Gebremeskel, Indian Institute of Technology Delhi, India

Title: Low-temperature heat treatment (80°C) effect on the electrochemically synthesized $CuInTe_2$ thin films for energy harvesting applications
Manorama Lakhe, Savitribai Phule Pune University, India

Symposium Session

Title: Materials surface analysis
Luisa Amelia Dempere, University of Florida, USA

Track 4: Mining and Metallurgy
Track 5: Surface Science and Engineering

Session Chair: Junhua Dong, Chinese Academy of Sciences, China

Title: Atmospheric corrosion monitoring and modeling of a low alloy steel under an electrolyte film in cyclic wet–dry condition
Junhua Dong, Chinese Academy of Sciences, China
Title: Hot forging of high-Aluminum content Magnesium alloys by using a servo press
Hisaki Watari, Tokyo Denki University, Japan

Coffee Break 16:25-16:40 @ Foyer

Title: The development of thermomechanical treatment of duplex steel
Michal Duchek, COMTES FHT, Czech Republic
Title: TiO_2 mineral from Ilmenite : Development of extraction method and its characterization
Muhammad Nurdin, Universitas Halu Oleo, Indonesia
Title: Optimisation of pack chromising process for proton exchange membrane (PEM) fuel cell bipolar plate applications
Atinuke Oladoye, Dublin City University, Ireland
Title: A comparison of two different principles of 3D surface reconstruction with regard to fabric defect detection
Lenka Techniková, Technical University of Liberec, Czech Republic
Title: Dry and wet sliding wear behaviours of laser-clad TiNiZrO_2 coatings in 3.5% NaCl
Babatunde Abiodun Obadele, Tshwane University of Technology, South Africa
Title: Antibiotic release from implant surfaces using immobilized PLGA microspheres
Dongwei Wang, Southwest Jiaotong University, China

Panel Discussion

Day 2 September 15, 2015

Continental Ballroom 5-7

Keynote Forum

Lixin Xue
Ningbo Institute of Industrial Technologies (CAS), China

Yutaka Ohno
Nagoya University, Japan

Track 2: Nanotechnology in Materials Science
Track 3: Energy Materials

Session Chair: Martin Ntwaeaborwa, University of the Free State, South Africa

Session Co-Chair: Jun DING, National University of Singapore, Singapore

Session Introduction

Title: Luminescent properties of powder and pulsed laser deposited thin film phosphors and their applications in lighting, phototherapy and solar cells
Martin Ntwaeaborwa, University of the Free State, South Africa
Title: Synthesis of Fe3O4 nanostructures and their applications
Jun DING, National University of Singapore, Singapore

Coffee Break @ Foyer

Title: High efficiency organometal halide perovskite devices by spray and brush solution-processing methods
Padmaja Guggilla, Alabama A & M University, USA
Title: Controlling electron recombination in nanowire-based DSSCs
Kirk J Ziegler, University of Florida, USA
Title: Self-assembly of DNA with inorganic material
Enrique C Samano, UNAM, Mexico

Title: Atomistic mechanism of lithiation of nanomaterials as Li-ion battery anodes studied by *in-situ* TEM
Xuedong BAI, Chinese Academy of Sciences, China
Title: Amyloid fibrils for functional nanomaterial applications
Sreenath Bolisetty, ETH, Switzerland
Title: Enhancement of 3D electrospun polycaprolactone/collagen constructs to facilitate the integration of nanofiber/cell mats in skin graft
Seyed Babak Mahjour, Stevens Institute of Technology, USA
Title: Magnetic relaxation phenomena in Fe nanoparticles composited with activated carbon
Satyendra Prakash Pal, Indian Institute of Science Education and Research, India

Lunch Break @ Continental Ballroom 2-4

Title: Studying the effects of functionalized multi-wall carbon nanotubes on mechanical and thermal properties of epoxy composites
Nasim Hadiashar, Santa Clara University, USA
Title: Hydrothermal synthesis of MoS_2 nanostructured films as high performance counter electrodes for dye-sensitized solar cells
Mohammad Al-Mamun, Griffith University, Australia
Title: The effect of preparation method on the properties of titanium dioxide nanoparticles used as a dielectric material
Davoud Dastan, Savitribai Phule Pune University, India
Title: Y_2O_3:Eu^{3+} nanophosphors: Synthesis by microwave-assisted heating method and characterization
Adrine Malek Khachatourian, KTH – Royal Institute of Technology, Sweden

Workshop

Title: Dielectric and pyroelectric nano-particle doped organic thinfilm: theory and application
Matthew Edwards, Alabama Agriculture and Mechanical University, USA

Coffee Break @ Foyer

Track 8: Electrical, Optical and Magnetic Materials
Track 11: Polymer Technology

Session Chair: Matthew E Edwards, AAMU, USA
Session Co-Chair: Santiranjan Shannigrahi, Institute of Materials Reserach and Engineering, Singapore

Title: Physical mechanisms of temperature dependent surface resistivity outcomes of doped nanoparticles, and single-wall or multi-wall carbon nanotubes polyvinyl alcohol thin films
Matthew E Edwards, Alabama Agricultural & Mechanical University, USA
Title: Polymer-ceramic composite film fabrication and characterization for harsh environment applications
Santiranjan Shannigrahi, Institute of Materials Reserach and Engineering, Singapore
Title: Development of highly sensitive micro magnetic sensor for biomagnetic field measurement utilizing magneto-impedance element
Tsuyoshi Uchiyama, Nagoya University, Japan
Title: Strength, elastic and electrical properties of non-stoichiometric materials under various Oxygen partial pressures
Kazuhisa SATO, Tohoku University, Japan
Title: Auxiliary anode on large-area organic light-emitting diode lighting
Apisit Chittawanij, National Formosa University, Taiwan
Title: A first-principles study on the structural and electronic properties of $CdCr_2O_4$ from density functional theory
Najmeh Bolandhemat, Universiti Putra Malaysia, Malaysia

Panel Discussion
Poster Presentations @ Continental Ballroom 1-3



Title: Photocatalytic and antioxidant activities of ZnO nanoparticles synthesized using Citrus paradisi peel extract
Alexis Debut, Universidad de las Fuerzas Armadas ESPE, Ecuador
Title: Determination of antimicrobial activity of textiles treated with encapsulated nanodispersion biocidal systems
Katerina Klanova, National Institute of Public Health, Czech Republic
Title: Preparation of polyurethane/buckypaper composites films and characterization of their structural vibration damping and strain sensing properties
Weiwei LIN, Florida International University, USA
Title: Raman spectroscopy of ZnS nanoparticles
Nebojsa Romcevic, University of Belgrade, Serbia
Title: Informatics guided computation of physical and chemical properties of nanomaterials
Claudia Loyola Canales, Universidad Andrés Bello, Chile
Title: Formation of hair follicle using 3D biomimetic nanofibers constructs
Seyed Babak Mahjour, Stevens Institute of Technology, USA
Title: The effect of pressure on feeding characteristic and porosity formation of A356 alloy
Jae-Ik Cho, Korea Institute of Industrial Technology, Rep. of Korea
Title: Modification of molecular and optical properties of cellulose triacetate by alpha particles irradiation
Mymona Mohseen Ahmad Abutalib, King Abdulaziz University, Saudi Arabia
Title: Design of silicon nanoparticles to improve the barrier effect on hardened Portland cement-based materials
Roberto Madrigales, UNAM, Mexico
Title: Luminescence properties of the ($A_2B_2O_7$) type $Eu_{1.90}Dy_{0.10}Ge_2O_7$
Esra ÖZTÜRK, Karamanoglu Mehmetbey University, Turkey
Title: Synthesis and thermoluminescence characterization of nano and micro-crystals of LiF doped with Ag
Miguel A Vallejo, Universidad de Guanajuato, Mexico
Title: Graphene based solar light sensitive photodiode
Asmaa Hendi, King Abdulaziz University, Saudi Arabia
Title: Low temperature magnetotransport study of pulsed laser deposited $Mg_{0.15}Zn_{0.85}O$ film
Tanveer A Dar, Devi Ahilya University, India
Title: Removal of Mercury, Lead and Cadmium in aqueous solution by natural and modified zeolites
Dulce Kristal Becerra Paniagua, Universidad de Ciencias y Artes de Chiapas, Mexico
Title: Structural and dielectrical properties of hard-soft ferrite composites
Chirag Patel, Gujarat University, India
Title: Synthesis and characterization of Pyrochlore ($A_2B_2O_7$) structure $Eu_{1.90}La_{0.10}Zr_2O_7$ phosphor

Day 3 September 16, 2015

Continental Ballroom 5-7

Keynote Forum

Dieter M Gruen
Dimerond Technologies, LLC, USA

Track 6: Biomaterials and Tissue Engineering
Track 7: Materials Chemistry (Organic and Inorganic) and Sustainable Chemistry
Track 10: Emerging Areas of Materials Science and Nanotechnology

Session Chair: Ramesh K Agarwal, Washington University in St. Louis, USA

Session Co-Chair: Nezar H Khdary, KACST, Saudi Arabia

Session Introduction

Title: Acoustic metamaterials membranes for low frequency sound attenuation
Ramesh K Agarwal, Washington University in St. Louis, USA
Title: Uniformly distributed copper nanoparticles supported on mesoporous silica for greenhouse gas capturing
Nezar H Khdary, KACST, Saudi Arabia

Coffee Break @ Foyer

Title: The response of HMSC-bm, SaOS-2 and imunocompetent cells to calcium phosphate doped alginate coatings on titanium surfaces
Lucie Himmlova, Charles University, Czech Republic
Title: Synthesis and characterization of modified (PVA) membranes
Ferial M Tera, National Institute of Standards, Egypt
Title: Cleaner technologies through optimization of resources
Sampath Kumar M C, B.M.S College of engineering, India
Title: Assessment of biomimectic modification on a novel low elastic modulus Ti–Nb–Hf alloy for dental implants
Virginia Paredes, Universidad ECCI Bogotá, Colombia
Title: The effect of the type of HA on the degradation and mechanical properties of PLGA/HA composites
Ashutosh Naik, Biocon research Limited, India
Title: Mechanism of material removal in Ti-6Al-4V at the incubation and advanced water droplet erosion stages
Dmytro Kevorkov, Concordia University, Canada
Title: A new portable reactor for photoelectrocatalytic system on organic compound Rhodamine B degradation
Maulidiyah, Universitas Halu Oleo, Indonesia

Lunch Break @ Continental Ballroom 2-4

Title: Synthesis, characterization and application of mesoporous silicas SBA-15 and its hybrid containing Glycidyl Methacrylate organo bridge for the controlled release of ibuprofen and mesalamine drugs in biological fluids
Fozia Rehman, University of Campinas, Brazil
Title: Synthesis and characterization of nanodiamonds-zinc oxide nanocomposites by ball milling technique
Hameed Ullah, Hazara University, Pakistan

Closing Ceremony

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Materials Science & Engineering
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July 13-15, 2015 New Orleans, USA



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Registrations

Harry Lee B

Opening Ceremony

Keynote Forum

Introduction

Marek M Kowalczuk
University of Wolverhampton, UK

Roger Webb
University of Surrey, UK

Track 4: Applications of Mass Spectrometry

Session Chair: Marek M Kowalczuk, University of Wolverhampton, UK
Session Co-chair: Miral Dizdaroglu, National Institute of Standards and Technology, USA

Session Introduction

Title: Application of metabolomics and kinetic flux profiling to understand the metabolic function of aquatic microbial consortia
Shawn R Campagna, University of Tennessee, USA
Title: Identification of alcohol binding residues in brain proteins using electrospray ionization mass spectrometry
Joydip Das, University of Houston, USA

Networking & Refreshments @ Foyer

Title: Mass spectrometry for forensic engineering of advanced polymer materials
Marek M Kowalczuk, University of Wolverhampton, UK
Title: Measurement of DNA repair proteins in human tissues by liquid chromatography-tandem mass spectrometry with isotope-dilution
Miral Dizdaroglu, National Institute of Standards and Technology, USA
Title: Utility of Mass Spectrometry in Drug Metabolism and Pharmacokinetics (DMPK): Discovery of Small Molecule Drugs
Mehran F Moghaddam, Celgene Corporation, USA
Title: Measurement of oxidatively modified DNA bases and nucleosides by isotope-dilution mass spectrometry
Pawel Jaruga, National Institute of Standards and Technology, USA
Title: Mass spectrometric methods to support vitamin A policies in Africa
Sherry A Tanumihardjo, University of Wisconsin, USA
Title: Mass spectrometry in veterinary drug residue analysis
Fernando Ramos, University of Coimbra, Portugal

Lunch Break @ Restaurant

Symposium

Title: Laboratory testing for pain management
Shie wang, Cleveland Clinic, USA
Title: The use of ion-mobility spectrometry-mass spectrometry to elucidate polymer architecture
Scott M Grayson, Tulane University, USA
Title: Affinity Purification Mass Spectrometry (AP-MS)
Steven J Bark, University of Houston, USA
Title: Determination of polycyclic aromatic hydrocarbons in sediments of rain drainage channels in urban zone (Pelotas - RS, Brazil)
Pedro J Sanches Filho, Instituto Federal Sul-rio-grandense, Brazil

Networking & Refreshments @ Foyer

Track 1: Fundamentals of Mass Spectrometry

Session Chair: Roger Webb, University of Surrey, UK
Session Co-chair: Christiane Auray-Blais, Université de Sherbrooke, Canada

Session Introduction

Title: Ménage-à-Trois: Single-atom Catalysis, Mass Spectrometry, and Computational Chemistry
Helmut Schwarz, Technische Universität Berlin, Germany
Title: Mass spectrometry approaches for translational research: From biomarker discovery to clinical applications
Christiane Auray-Blais, Université de Sherbrooke, Canada
Title: Multidimensional mass spectrometry methods for synthetic polymer analysis
Chrys Wesdemiotis, University of Akron, USA

Title: Ambient pressure molecular concentration mapping at surfaces using mev-secondary ion mass spectrometry (mev sims)
Roger Webb, University of Surrey, UK
Title: Sample preparation for mass spectrometry
Sermin Tetik, University of Marmara, Turkey

Panel Discussion

Day 2 July 14, 2015

Harry Lee B

Keynote Forum

Eduard Rogatsky
Albert Einstein College of Medicine, USA

Michal Dadlaz
University of Warsaw, Poland

Track 5: New Approaches in Mass Spectrometry

Session Chair: Eduard Rogatsky, Albert Einstein College of Medicine, USA
Session Co-chair: Hans-Arno Synal, Swiss Federal Institute of Technology, Switzerland

Session Introduction

Title: Liquid chromatography- multi stage high resolution mass spectrometry to identify new anticoagulant major degradation pathways
Bernard Do, Université Paris-Saclay, France
Title: Latest developments in accelerator mass spectrometry
Hans-Arno Synal, Swiss Federal Institute of Technology, Switzerland
Title: Quantitative analysis of the mitochondrial proteome and phosphoproteome in the yeast Saccharomyces cerevisiae
Lemaire Claire, Université Paris-Sud, France
Title: Miniaturized solid phase extraction of flavanones from citrus fruits by ultrahigh-performance liquid chromatography coupled with quadrupole time-of-flight tandem mass spectrometry
Jun Cao, Hangzhou Normal University, China

Networking & Refreshments @ Foyer

Title: The effects of dietary unsaturated fatty acids on prostate cancer – A proteomic approach
Mu Wang, Indiana University, USA
Title: Determination of the specialty status of different types of coffees by proton transfer reaction-mass spectrometry
Yannick Weesepoel, Institute of Food Safety, The Netherlands
Title: Ion mobility separation coupled with ms reveals alternative structural forms of alzheimer's disease a peptide
Michal Dadlaz, University of Warsaw, Poland
Title: High-resolution MCsn+ - SIMS: An innovative mass spectrometric technique for compositional analysis of quantum structures without 'standards'
Purushottam Chakraborty, Saha Institute of Nuclear Physics, India
Title: Untargeted direct mass spectrometry for obtaining base-line fingerprints of authentic herbs and spices
Isabelle Silvis, Institute of Food Safety, The Netherlands

Lunch Break@ Restaurant

Track 2: Mass Spectrometry Configurations and Techniques

Session Chair: Paul G Wenthold, Purdue University, USA
Session Co-chair: Friso H W Van Amerom, SRI International, USA

Session Introduction

Title: Intact-cell mass spectrometry for mammalian cell identification and authentication
Petr Vaňhara, Masaryk University, Czech Republic
Title: Mass spectrometric investigation of the decomposition of canonical structures of α-amino acids
Paul G Wenthold, Purdue University, USA
Title: Effect of intake of butter with different level of medium chain fatty acids and different types of milk proteins on the observed metabolites in human biofluids - Assessed by an untargeted metabolomics approach using LC and GCQ-ToF
Trine K Dalsgaard, Aarhus University, Denmark
Title: Deep discovery of biomarkers in proximal fluid of liver cancer patient-derived-xenograft models
Hon-chiu Eastwood Leung, Baylor College of Medicine, USA

Networking & Refreshments @ Foyer

Title: Quantitation of 14C-GDC-0032 (14C-taselisib) in human plasma by UPLC-accelerator mass spectrometry for the determination of absolute bioavailability of GDC-0032 in human
Xiao Ding, Department of Drug Metabolism and Pharmacokinetics in Genentech, USA
Title: Experimental evaluation of micro-ion trap mass spectrometer geometries
Friso H W Van Amerom, SRI International, USA

Title: Overview of Mass Spectrometry
Sermin Tetik, University of Marmara, Turkey
Title: History of mass measurements with time-of-flight mass analyzers
Hermann Wollnik, New Mexico State University, USA
Title: Determination of additives, contaminants and byproducts in insulating liquids with desorption electrospary mass spectrometry
Shubhen Kapila, Missouri University of Science and Technology, USA
Title: Oxidation of benzylalcohols in presence of Ni/Bi2WO6 nanoparticles synthesized by simple hydrothermal method
Rahmatollah Rahimi, Iran University of Science and Technology, Iran

Poster Presentations @ Foyer

Day 3 July 15, 2015

Harry Lee B

Track 3: Ionization Techniques
Track 8: Mass spectrometry Imaging

Session Chair: Huan-Tsung Chang, National Taiwan University, Taiwan
Session Co-chair: Wenjie F Cao, SABIC Technology Center, Saudi Arabia

Session Introduction

Title: Analyzing the thermal- and thermo-oxidative degradation of polymers by a combination of thermal solid-phase extraction and thermal desorption (TED-GC-MS)
Erik Duemichen, BAM Federal Institute of Material Research and Testing, Germany
Title: Gas-phase fragmentation chemistry of protonated ions: Models, structures, energetics and dynamics
Benjamin J Bythell, University of Missouri-St. Louis, USA
Title: Peptide hormones: The sensitivity quest and sensitivity questions
Eduard Rogatsky, Albert Einstein College of Medicine, USA

Networking & Refreshments @ Foyer

Title: Analysis of biomolecules through nanomaterials based mass spectrometry
Huan-Tsung Chang, National Taiwan University, Taiwan
Title: Complications of adduct ions on mrm at different lc-ms/ms ionization techniques
Wenjie Cao, SABIC Technology Center, Saudi Arabia
Title: Simple and efficient oxidation of thiols to disulfides using SnO_2 nanostructures
Rahmatollah Rahimi, Iran University of Science and Technology, Iran
Title: Mass spectrometry imaging and localized omics studies
Olivier Laprévote, Paris Descartes University, France

Lunch Break @ Restaurant

Title: Highly selective oxidation of benzyl alcohol to benzaldehyde catalyzed by Zn-Fe_2O_4@ZnO core-shell nanostructures
Rahmatollah Rahimi, Iran University of Science and Technology, Iran
Title: On the role of quasi-free electrons in photoionization of atomic and molecular clusters using nanosecond laser pulses
Rajesh K Vatsa, Bhabha Atomic Research Centre, India
Title: Oxidation of benzyl alcohols in presence of sulfur/graphene
Rahmatollah Rahimi, Iran University of Science and Technology, Iran

Panel Discussion

Award Ceremony

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Day 1 August 10 , 2015

Registrations

Tiburon

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Opening Ceremony

Keynote Forum

Introduction

Olivier Dapremont
AMPAC Fine Chemicals, USA

Gerhard Kratz
abcr GmbH, Germany

Track 1: Advances in Sample Preparation Techniques
Track 2: Membrane Processes
Track 3: High-Impact Application Fields

Session Chair: Hiroshi Uyama, Osaka University, Japan
Session Co-Chair: Kirk J Ziegler, University of Florida, USA

Session Introduction

Title: Membrane & Other Separation Technologies and Their Application to Food Technology
Yongjae Lee, Food Protein R&D Center at Texas A&M University, USA

MFI Zeolite Membranes for Water Desalination
Catia Algieri, Institute on Membrane Technology ITM-CNR, ITALY

Group Photo

Networking & Refreshments Break@ Sierra-A

Title: The Role of Surfactant Structure in the Separation of Single Walled Carbon Nanotubes (SWCNTs)
Kirk J Ziegler, University of Florida, USA
Title: Advanced separation technologies based on polymeric membranes for clean water and clean energy
Neal Tai-Shung Chung, National University of Singapore, Singapore
Title: Fabrication of Porous Monolithic Materials of Reactive Polymers for Protein Purification
Hiroshi Uyama, Osaka University, Japan
Title: Inorganic Metallic Membranes for Gas Separation
Simona Liguori, Stanford University, USA
Title: Discharge times of 3.0 micron superfine powders from a circulating fluidized bed of a binary mixture
Mohammed W Hakami, Yanbu Industrial College, Saudi Arabia
Title: Numerical investigation of gas- solid separation by liquid layer in horizontal pipes
Z Mansooria, Amirkabir University of Technology, Iran

Lunch Break @ Sequoia & Redwood

Track 6: Advances in Chromatography
Track 7: Advances in Mass Spectrometry

Session Chair: Solich Petr, Charles University, Czech Republic
Session Co-Chair: Pao-Chi Liao, National Cheng Kung University, Taiwan

Session Introduction

Title: Metabolomics approaches for bio-marker discovery for toxicant exposure of di-isononyl phthalates (DINPs) using liquid chromatography-high resolution mass spectrometry (LC-HRMS)
Pao-Chi Liao, National Cheng Kung University, Taiwan
Title: Evolution of mixed-mode from "mixing" silica gels to core-shell mixed-mode technology
Vlad Orlovsky, SIELC Technologies, USA
Title: Trends in development of stationary phases in chromatography
Solich Petr, Charles University, Czech Republic
Title: Advances and Applications of Supercritical Fluid Chromatohgraphyin Drug Discovery
Gerard Rosse, Dart NeuroScience, San Diego, CA, USA
Title: Nanoseparation-from Methodology to Application
Xiaoming Sun, Beijing University of Chemical Technology, China
Title: Reversible switching and memory of macromolecular helicity of a polyacetylene in the solid state and application to switchable enantio-separation in HPLC
Eiji Yashima, Nagoya University, Japan
Wall roughness effect on particle separation rate of the turbulent gas-solid flow in inclined pipes
Zohreh Mansoori, Amirkabir University of Technology, Iran

Networking & Refreshments Break@ Sierra-A

Day 2 August 11, 2015

Tiburon

Keynote Forum

Hiroshi Uyama
Osaka University, Japan
Andrew Shalliker
University of Western Sydney, Australia

Track 4: High Performance Liquid Chromatography
Track 5: Novel Techniques
Track 8: Product Related Processes

Session Chair: Eduard Rogatsky, Albert Einstein College of Medicine of Yeshiva University, USA
Session Co-Chair: Andrew Shalliker, University of Western Sydney, Australia

Session Introduction

Title: HPLC – High Performance Liquid Chromatography
Gerhard Kratz, Global Sales Director abcr Germany
Title: 10 years of evolution in UHPLC-MS chromatography: Current trends
Eduard Rogatsky, Albert Einstein College of Medicine of Yeshiva University, USA
Title: Femtosecond laser ablation of solid methane
A A Zaidi, Prince Sultan University, Saudi Arabia
Title: Advances in HPLC Purification of Peptides – Future Benefits of In-house Integration
Imre Sallay, Osaka, Japan

Networking & Refreshments Break@ Sierra-A

Title: Reaction flow chromatography: High efficiency post-column derivatisations
Andrew Shalliker, University of Western Sydney, Australia
Title: Magnetohydrodynamic electrophoresis: A novel fully validated method in bio/chemical analysis
Ali Aboel Dahab, King's College London, UK
Title: Two Dimensional Electrophoresis (2DE) guided purification novel technique in the isolation of bioactive proteins from complex mixtures
Jaya Vejayan, University Malaysia Pahang, Malaysia
Title: Thin layer chromatographic analysis of capsaicin and moisture contents from three varieties of capsicum peppers
Ekwere Mercy R, University of Calabar, Nigeria
Enhanced cleavage of amyloid peptides in the casein injected inflammatory brain of mice
Asokan C, Sokoto State University. Nigeria

Lunch Break@ Sequoia & Redwood

Workshop

Session Introduction

Title: Implementation of a continuous chromatographic process for the manufacturing of an API
Olivier Dapremont, AMPAC Fine Chemicals LLC, USA
Title: Modern techniques for enantiomeric separation: From grams to tons
Joseph Barendt, Chiral Technologies, Inc., USA
Title: Fast Centrifugal Partitioning Chromatograph for Extract Purification
Rob Driscoll, Robatel Inc., Pittsfield, MA
Large scale HPLC purification of peptides: The art of using spherical silica based packing material for producing large biomolecule with high purity
Marc Jacob, Phenomenex, USA

Young Research Forum

State-of-the-art manipulation of clinoptilolite crystalline structure for gas separation
Afrooz Farjoo, University of Alberta, Canada

Networking & Refreshments Break @ Sierra-A

Panel Discussion 16:40-16:50

Day 3 August 12, 2015

Tiburon

Keynote Forum

Kirk J Ziegler
University of Florida, USA

Track 9: Clinical chemistry, Biomarkers and Diagnostics assays
Track 10: Complementary separation techniques
Track 11: Green Technologies, Future Challenges and Trends

Session Chair: Juan G Santiago, Stanford University, USA

Session Introduction

Title: Life in the shock wave: Accelerating DNA reactions with isotachophoresis
Juan G Santiago, Stanford University, USA

Ultra-sensitive capillary electrophoresis for single cell analysis
Takayuki Kawai, RIKEN, Japan
Title: KuiqpicK™ and UnipicK™: Versatile instruments for single cell acquisition and complex heterogeneous tissue microdissection
Stanislav L Karsten, NeuroInDx, Inc., USA

Networking & Refreshments Break@ Sierra-A

Role of α-B crystallin on serum amyloid a fibrils and effect of β-amyloid with systemic amyloidotic mice brain
Asokan C, Sokoto State University, Nigeria

Video Presentations

Two-dimensional capillary electrophoresis separation and on-line tandem mass spectrometry detection of antigripal drugs and their metabolites in urine matrices
Peter Mikus , Comenius University in Bratislava, Slovakia
Significance Significance of separation and identification techniques in solving crimes, many problems, scope and suggestions in forensic field
Rakhi Khanna, Regional Forensic Science Laboratory, Ajmer, India

Lunch Break @ Sequoia & Redwood

Title: Comparative sex hormonal indices of male and female rats exposed to uppercott (mixture of organophosphate/ pyrethroid) pesticide
Ekwere Mercy R, University of Calabar, Nigeria
Characteristics of fibrillar form of β-Amyloid peptide fractions from mice brain affected by systemic amyloidosis
Asokan C, Sokoto State University, Nigeria

Poster Presentation@ Sierra-A

Award Ceremony & Thanks Giving

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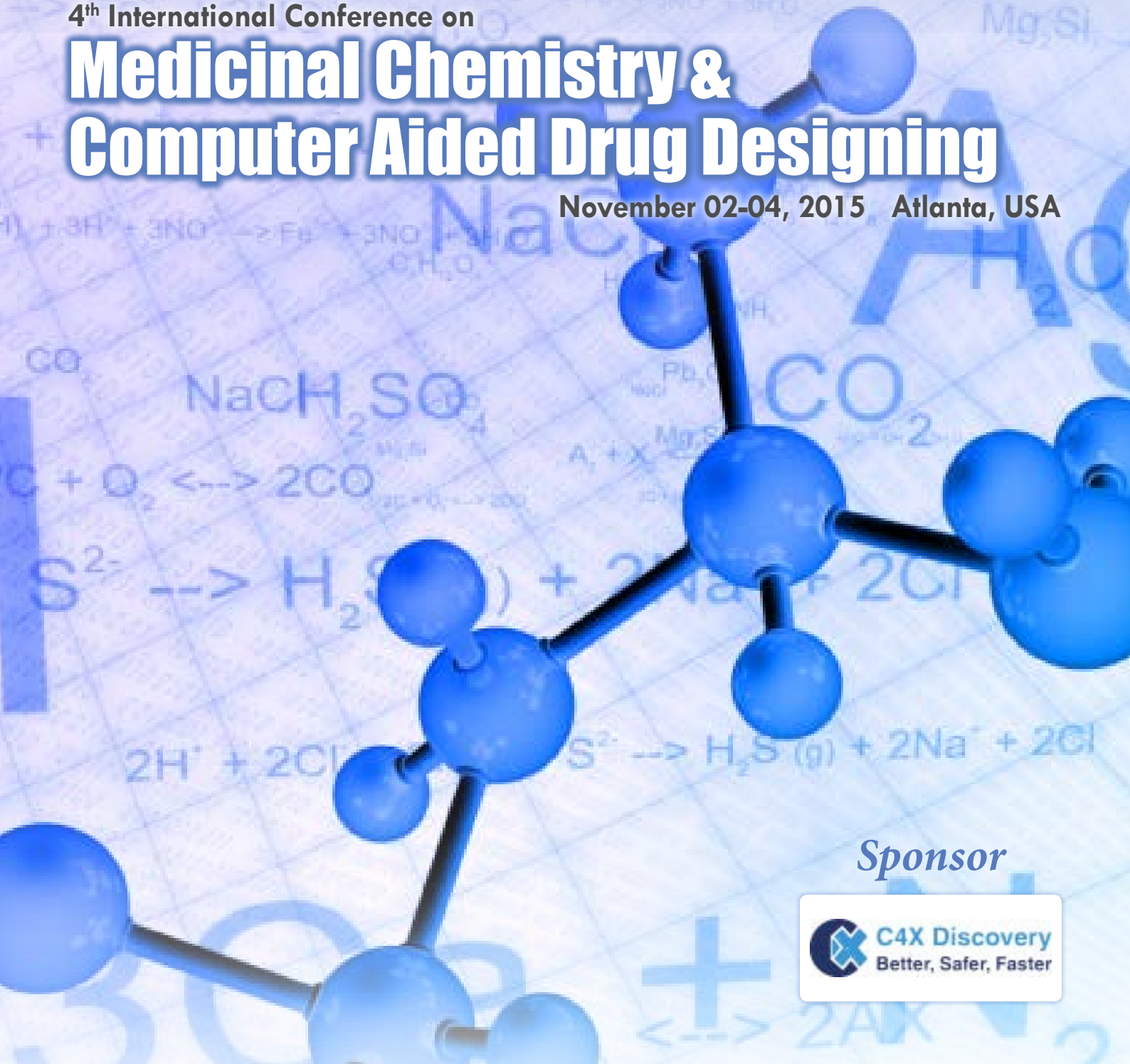
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Scientific Program

Day 1 November 02, 2015

Registrations

Grand Salon-A

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Opening Ceremony

Keynote Forum

Introduction

Concepción González-Bello
University of Santiago de Compostela, Spain

Carsten Detering
BioSolveIT Inc., USA

Networking & Refreshments Break

Group Photo

Track 1: Novel Drug Design
Track 2: Computer Aided Drug Design-CADD

Session Chair: Concepción González-Bello, University of Santiago de Compostela, Spain
Session Co-Chair: Carsten Detering, BioSolveIT Inc., USA

Session Introduction

Title: Novel Multiple Type and Wide Spectral Molecular Targeted Antitumor Agents: Preparation and Preclinical Evaluation of IER5/Cdc25B Targeted Phospha Sugar Derivatives as Well as Attempts of Computer Aided Drug Designing.
Mitsuji Yamashita, Shizuoka University, Japan
Title: In silico design, synthesis and biological evaluation of inhibitors of hypoxia-inducible factor (HIF-1) as antitumor agents
María Laura Lavaggi, University of the Republic, Uruguay
Title: Design of Novel, Selective and Bioavailable Ligands for Closely Related Receptors and Pharmacophores: Conformational and Topographical Considerations.
Victor J. Hruby, University of Arizona USA
"Title: Accelerated and Reliable Lead Discovery: Structure guided drug discovery ideal for collaborative projects"
Kal Ramnarayan, Sapient Discovery, LLC, USA
Title: Title: Investigating the molecular interactions between novel synthetic retinoids and the ligand-binding domains of retinoic acid receptors
Hesham Haffez, Durham University Durham

Lunch Break

Track 3: Fluorination in Medicinal Chemistry
Track 4: Nanomedicine & Fullerene Chemistry
Track 5: Advanced Medicinal Chemistry

Session Chair: Jonathan Foot, Pharmaxis Ltd., Australia
Session Co-Chair: Maria Helena Garcia, Universidade de Lisboa, Portugal

Title: How close are we to predicting binding affinity?
Carsten Detering, BioSolveIT Inc., USA
Title: Ligand-based Screening for anti-Dengue Virus Inhibitor
Tatsuya Takagi, Osaka University, Japan
Title: Nanoparticles with novel methodology to treat infectious diseases
Prabagaran Narayanasamy, University of Nebraska Medical Center, USA
Title: Exploring for bioactive secondary metabolites from the Chinese medicinal mangroves
Yue-Wei Guo, Chinese Academy of Sciences, P R China

Networking & Refreshments Break

Keynote Forum

Thorsten Nowak
C4X Discovery Manchester United Kingdom

Tatsuya Takagi
Osaka University, Japan

Networking & Refreshments Break @ Foyer

Track 6: Materialistic Chemistry & Synthetic Chemistry
Track 8: Neurodegenarative Diseases

Session Chair: Thorsten Nowak, C4X Discovery Holdings PLC.,United Kingdom

Session Co-Chair: Andreia Valente, Faculdade de Ciências da Universidade de Lisboa Lisboa Portugal

Session Introduction

Title: Identification of sirtuin inhibitorsas promising anticancer agents: from screening to activity assays
Alessandra Nurisso, University of Geneva, Switzerland
Title: Development of new antibiotics targeting shikimate kinase: From concept to practice
Concepción González-Bello, Universidad de Santiago de Compostela, Spain
Title: Amylin as a Novel Contributor to Alzheimer's Disease and Natural Product Inhibitory Discovery
Bin Xu, Virginia Tech, USA
Title: Discovery of Novel Orexin-1 Selective Antagonists using NMR Guided Conformational Design
Thorsten Nowak, C4X Discovery, United Kingdom
Title: 2,3-dihydro-1H-isoindoline derivatives as novel drugs for Parkinson's disease: in silico and an in vivo evaluation
Erik Andrade Jorge, Escuela Superior de Medicina, Mexico

Lunch Break@ Restaurant

Poster Presentations 14:25-15:25

Title: Computer-aided drug design (CADD): Synthesis and biological evaluation of potential caspase-3 inhibitors as novel Alzheimer's disease therapy
Lucía Minini, Universidad de la República, Uruguay
Title: Synthesis and biological evaluation of novel 16-dehydropregnenolone acetate derivatives having an ester function at C-3 and triazole ring at C-21 on the 5α-reductase isoenzymes and on cancer cells lines
Aylin Viviana Silva Ortiz, Universidad Nacional Autónoma de México, Mexico
Title: Chemogenomic approaches to drug design: Docking-based virtual screening of nematode G-protein coupled receptors for potential anthelmintic agents
Rabmas Masuka, University of Cape Town, South Africa
Title: New human malaria parasite Plasmodium falciparum dihydroorotate dehydrogenase inhibitors by pharmacophore and structure-based virtual screening
Elumalai Pavadai, University of Cape Town, South Africa
Title: Poster Presentation by Alessandra Nurisso
Alessandra Nurisso, University of Geneva, Switzerland
Title: Neuroprotective compounds from Reynoutria sachalinensis
Jin Bae Weon, Kangwon National University, Korea (1)
Title: Neuroprotective compounds from embryo of Nelumbo nucifera seed
Jin Bae Weon, Kangwon National University, Korea (2)
Title: Prodrug design and synthesis of oxyresveratrol to improve bioavailability
Yen Fang Wen, Industrial Technology Research Institute, Taiwan
Title: Computational studies of dipeptidyl peptidase IV inhibitors
Dhruti Mahendrabhai Patel, Dharmsinh Desai University, India
Title: Structure based pharmacophore generation and its applications for identification of dipeptidyl peptidase –IV (DPP-IV) inhibitor
Khushbu Anilbhai Patel, Dharmsinh Desai University, India
Title: Oral health quality of life in children with cerebral palsy: Parental perception
Eman Anwer El Ashiry, King Abdulaziz University, Saudi Arabia
Title: Evaluation of internal adaptation of some adhesive dental resorative materials using microcomputed

Track 7: Drug Design and Chemistry: Cancer Studies

Session Chair: Tatsuya Takagi, Osaka University, Japan

Session Co-Chair: Bin Xu, Virginia Tech, USA

Session Introduction

Title: The mode of action of new promising anticancer agents: Multifunctional polymer-ruthenium conjugates
Andreia Valente, Universidade de Lisboa, Portugal
Title: Epi-drug development targeting human G9a H3K9 methyltransferase
Yong-Hwan Lee, Louisiana State University, USA
Title: Nitrones as potential therapeutic agents against Alzheimer's Disease.
Alicia Merlino, Theoretical and Computational Chemistry Group, Uruguay

Networking & Refreshments Break@ Foyer

Title: Small-molecule modulators of thiamine transport in pathogenic bacteria.
Anna Hirsch, Stratingh Institute for Chemistry University of Groningen The Netherlands
Title: Synthesis, Structural Anticancer Activity Relationship, and Docking Study of Novel 5-Deazaflavin Analogs
Hamed I Ali, Irma Lerma Rangel College of Pharmacy, USA

Day 3 November 04, 2015

Grand Salon-A

Track 9: Drug Discovery and Drug Development
Track 10: Advances in Drug Discovery
Track 11: Hybrid Techniques & Lab-on-a-chip
Track 12: Pharma Market Audit

Session Chair: Concepción González-Bello, Universidad de Santiago de Compostela, Spain
Session Co-Chair: Mitsuji Yamashita, Shizuoka University, Japan
Session Co-Chair: Prabagaran Narayanasamy, University of Nebraska Medical Center, USA

Session Introduction

Title: PubChem BioAssay: A public information resource supporting medicinal chemistry and drug discovery research.
Yanli Wang, National Institutes of Health, USA
Title: Ruthenium drugs for cancer therapy: Small structural changes, different in vivo performances.
Maria Helena Garcia, Faculdade de Ciências da Universidade de Lisboa Universidade de Lisboa Portugal

Networking & Refreshments Break @ Foyer

Title: Development of selective mechanism-based inhibitors for human Semicarbazide-Sensitive Amine Oxidase (SSAO)
Jonathan S. Foot, Pharmaxis Ltd., Australia
Title: Targeting the genome of high-risk HPVs with large hairpin polyamides: Promising novel antiviral agents
Carlos H Castaneda, University of Missouri-St. Louis, USA
Title: A combined in-vitro and in-silico studies of macrocyclic complexes of Tin(II) with potent anti-cancer, anti-inflammatory and anti-microbial properties
Ekta Rawat, Kurukshetra University, India
Title: Development of a novel class of hyper-multi-targeted computer-aided CREKA/YIGSR
Ioannis Grigoriadis, Biogenea Pharmaceuticals Ltd, Greece
Title: The prevalence of extra root canals of maxillary first permanent molars among population in Jeddah, Saudi Arabia using Micro-Computed Tomography (Micro-CT)
Najat Farsi, King Abdulaziz University, KSA
Title: TAAR1 ligands as prospective neuroleptics: From D-neuron research
Keiko Ikemoto, Iwaki Kyoritsu General Hospital, Japan

Lunch Break@ Restaurant

Award ceremony

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