Tentative Program

7th World Congress on

Mass Spectrometry

Rome, Italy June 20-22, 2018



Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops

Exhibitors | B2B Meetings

For available speaker slots

euromassspectrometry@conferenceseries.net

7th World Congress on

Mass Spectrometry

Rome, Italy June 20-22, 2018

Program at a Glance

Day 1

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

19 Speakers for Day 1

Day 2

		Time	Session 1	Session 2
Morning Sessions	09.00-10.40		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)			
	10.55-12.35		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Lunch Break 12.35-13.25			
Evening Sessi	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)

40 Speakers on Day 2

Day 3

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

40 Speakers on Day 3

Conference Highlights

- Applications of Mass Spectrometry
- New Approaches in Mass Spectrometry
- Recent Advances and Development in Mass Spectrometry
- Mass Spectrometry in Proteome Research
- Mass Spectrometry in Metabolomics
- Hyphenated Techniques
- Mass spectrometry in food analysis, industry and environmental analysis
- Metabolomics/Lipidomics: new MS technologies
- Mass spectrometry Imaging
- Fundamentals of Mass Spectrometry
- Proteomics from Discovery to Function and its applications
- Ionization Techniques
- Mass Spectrometry Configurations and Separation Techniques
- Chromatography and High Performance Liquid Chromatography (HPLC)
- Maintenance, Troubleshooting, Data Analysis and Experimentation in Mass Spectrometry
- Spectroscopy

For detailed sessions, please visit: http://massspectra.com/europe/call-for-abstracts.php

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Glimpses of Euro Mass Spectrometry Conference















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Glimpses of Euro Mass Spectrometry Conference













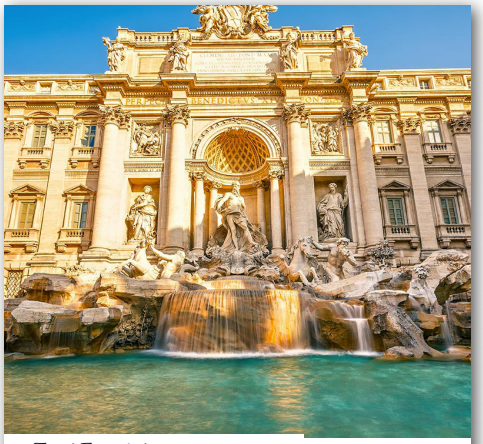


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Speaker Benefits at Euro Mass Spectrometry 2018

- Career Guidance Workshops to the Graduates, Doctorates and Post-Doctoral Fellows
- Our robust on-line publicity attracts 430000+ users and 760000+ views to our Library of Abstracts which brings worldwide exposure to the researchers and speakers participate in our conferences.
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- Speaker will be felicitated with Certificate
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- All attendees can avail **21 CPD Credits** (Continuing Professional Development)
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- Abstracts will be published in conference souvenir & international journals
- We will include your **University/Institution logo** on the conference banners, books and in the conference website
- Can play the role of **Honorable guest** at the conference
- Speaker name and photograph will be displayed in conference website

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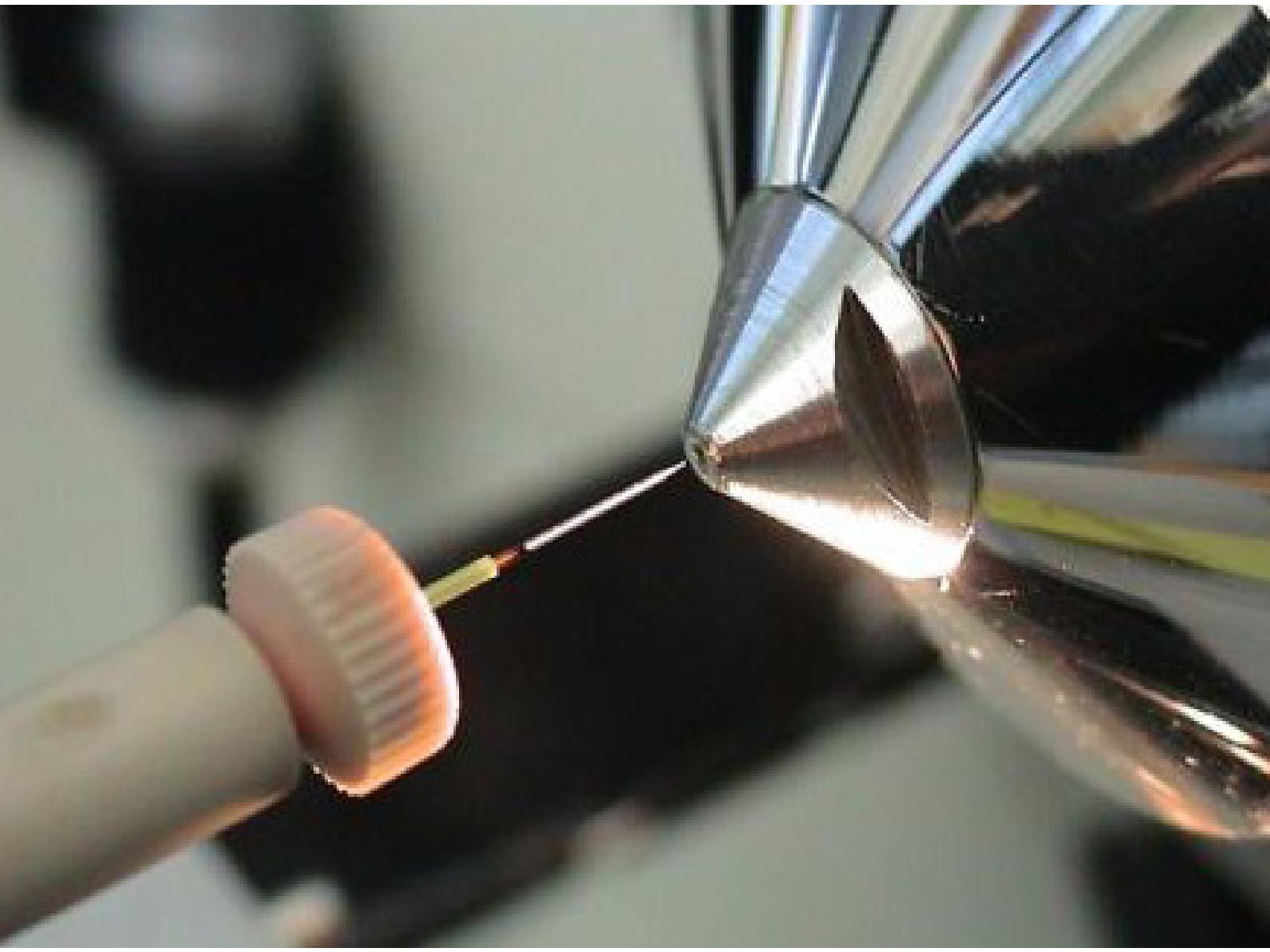
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984th Conference

4th World Congress on

Mass Spectrometry

June 19-21, 2017 London, UK



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Day 1 June 19, 2017

Registrations

Waterfront 4

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Opening Ceremony

Keynote Forum

Introduction

Title: Multistage Mass Spectrometry for Characterization of Bioactive Oligoesters

Marek M. Kowalczuk, University of Wolverhampton, UK

Title: Precision mass measurements by time-of-flight mass spectrometry in the laboratory and in space missions

Hermann Wollnik, New Mexico State University, USA

Title: Problems and solutions of laser mass spectrometry

Alexander A Sysoev, National Research Nuclear University MEPhI, Russia

Title: From cities of proteins to the only large-brain mass-societies: Is excessive brain power a hindrance in the emergence of modern human societies?

Magnus S Magnusson, University of Iceland, Iceland

Group Photo

Networking & Refreshments @ Foyer

Sessions: Applications of Mass Spectrometry | Recent Advances and Development in Mass Spectrometry

Session Chair: Alexander A. Sysoev, National Research Nuclear University MEPhI, Russia

Session Co-chair: Dijana Matak-Vinković, University of Cambridge, UK

Session Introduction

Title: Measurement of DNA repair proteins in cancer by mass spectrometry

Miral Dizdaroglu, National Institute of Standards and Technology, USA

Title: The role of specificity in improving diagnosis and treatment of hypothyroidism and adrenal diseases

Steven J Soldin, National Institutes of Health (NIH), USA

Title: Investigation on bimolecular complexes in natural extracts by parent ion and neutral loss MS/MS experiments

Pietro Traldi, Pediatric Research Institute Città della Speranza, Italy

Title: Advances in applications of mass spectrometry (ToF-SIMS, LA-ICP-ToF-MS) for forensic analysis

Małgorzata Iwona Szynkowska, Lodz University of Technology, Poland

Title: Integrated microfluidics for protein modification discovery

Amit Tzur, Bar Ilan University, Israel

Title: Mass spectrometry reveals protein kinase CK2 high-order oligomerization via the circular and linear assembly

Dijana Matak-Vinković, University of Cambridge, UK

Lunch Break @ Restaurant

Sessions: Applications of Mass Spectrometry | Proteomics and its applications

Session Chair: Marek M Kowalczuk, University of Wolverhampton, UK

Session Co-chair: Kay Ohlendieck, Maynooth University, Ireland

Session Introduction

Title: Identification of designer drugs by real time-mass spectrometry (DART-MS)

Jindra Valentová, Comenius University in Bratislava, Slovakia

Title: Mass spectrometry-based proteomic profiling of muscular dystrophy

Kay Ohlendieck, Maynooth University, Ireland

Title: A Mass Spectrometry Perspective on Dormancy and Antibiotic Tolerance in Bacteria

Steven J Bark, University of Houston, USA

Title: Detection and quantification of acrylamide in cookies by LC-ESI-orbitrap

Luis F Guido, University of Porto, Portugal

Title: Mass spectrometry impact on natural complex products comprehensive analysis: From research to routine quality control

Luisa Mattoli, Aboca Spa, Italy

Title: Mass spectrometry application to molecular toxicology and biomarker discovery: carcinogen-modified histones

Alexandra Maria Moita Antunes, Instituto Superior Técnico / Centro de Química Estrutural, Portugal

Title: Eco-friendly UHPLC-MS/MS method for analysis of multi-class micropollutants in drinking water

Ana R Ribeiro, Universidade do Porto, Portugal

Networking & Refreshments @ Foyer

Sessions: Applications of Mass Spectrometry | New Approaches in Mass Spectrometry | Chromatography and High Performance Liquid Chromatography (HPLC)

Session Chair: Jin Ouyang, Beijing Normal University, China

Session Co-chair: Fernando Ramos, University of Coimbra Health Sciences, Portugal

Session Introduction

Title: Arginine modification by 1, 2-dicarbonyl compounds studied by liquid chromatography-electrospray ionization mass spectrometry (LC-ESI-MS)

V Sabareesh, Vellore Institute of Technology (VIT) University, India

Title: High-throughput screening of protein-bound drugs and enzyme inhibitors using ambient mass spectrometry

Jin Ouyang, Beijing Normal University, China

Title: Application of liquid chromatography-mass spectrometry in the analysis of phytochemicals

Natalja P Nørskov, Aarhus University, Denmark

Title: Mass spectrometry-an important tool in food safety for veterinary drug residue analysis

Fernando Ramos, University of Coimbra Health Sciences, Portugal

Title: HPLC based method for proteomic biomarker analysis: Application of in vivo drug metabolite in human plasma

Sermin Tetik, Marmara University, Turkey

Title: The application of portable GC-MS on the petrochemical wharf

Zhao Yun, Waterborne Transport Research Institute, China

Workshop

Title: Language of Mass Spectrometry

Athula Attygalle, Stevens Institute of Technology, USA

Panel Discussion

Day 2 June 20, 2017

Waterfront 4

Keynote Forum

Title: Where is the charge located in multifunctional gaseous ions? A survey by Ion Mobility Mass Spectrometry

Athula Attygalle, Stevens Institute of Technology, USA

Title: Root causes of LC/MS data variability

Eduard Rogatsky, Wadsworth Center, USA

Title: Tropospheric multiphase chemistry elevated by diverse mass-spectrometric techniques

Jianmin Chen, Fudan University, China

Title: Inverse problems in Mass Spectrometry and Bayesian solutions

Ali Mohammad-Djafari, CNRS, France

Networking & Refreshments @ Foyer

Sessions: Applications of Mass Spectrometry | Recent Advances and Development in Mass Spectrometry | Hyphenated Techniques | Spectroscopy

Session Chair: Yang Pan, University of Science and Technology of China, China

Session Co-chair: Joanna Fiedor, AGH-University of Science and Technology, Poland

Session Introduction

Title: Reviews of organic-assisted dissolution method to enhance the quantitative Analysis for the determination of hexavalent chromium (Cr(VI)) in polymer

Youn Sung Kim, Samsung SDI, Republic of Korea

Title: On-line photoionization mass spectrometry and its applications on catalysis, pyrolysis and matrices analysis

Yang Pan, University of Science and Technology of China, China

Title: Compact laser mass spectrometer for technological analysis of solids

Violetta V Milyaeva, National Research Nuclear University MEPhI, Russia

Title: Multielemental speciation analysis of five toxic species: As(III), As(V), Cr(VI), Sb (III) and Sb(V) in drinking water samples by advanced hyphenated technique HPLC/ICP-DRC-MS

Danuta Barałkiewicz, Adam Mickiewicz University in Poznań, Poland

Title: Catalysis by design: From conventional solid state NMR spectroscopy to the dynamic nuclear polarization surface enhanced spectroscopy-The success story of single site well-defined heterogeneous catalysts

Anissa Bendjeriou-Sedjerari, King Abdullah University of Science and Technology, Saudi Arabia

Title: Total reflection X-ray fluorescence spectrometry (TXRF) as a convenient tool for quantification of biological samples

Joanna Fiedor, AGH-University of Science and Technology, Poland

Lunch Break @ Restaurant

Sessions: Fundamentals of Mass Spectrometry | Ionization Techniques

Session Chair: K W Michael Siu, University of Windsor, Canada

Session Co-chair: Xinhua Guo, Jilin University, China

Session Introduction

Title: Discovery and mechanistic studies of an unusual remote radical-induced side-chain loss from tyrosine-containing peptide radical cations in the gas phase

Chi-Kit Andy Siu, City University of Hong Kong, Hong Kong

Title: Isomerization versus dissociation of phenylalanyl glycyl tryptophan radical cations

Ivan K Chu, University of Hong Kong, Hong Kong

Title: Molecular ion collision chemistry in CH4 ionization and dissociation

A T Hasan, American University of Sharjah, UAE

Title: Helix MC Plus high resolution noble gas mass spectrometer at the Australian National University

Xiaodong Zhang, The Australian National University, Australia

Title: Unusual peptide fragment ions in low-energy CID process by charge-remote fragmentation pathways

Xinhua Guo, Jilin University, China

Title: The key parameters impacted surface-assisted laser desorption/ionization-mass spectrometry

Yuliya E Silina, INM-Leibniz Institute for New Materials, Germany

Title: Gas-phase dehydration of protonated polyglycines

K W Michael Siu, University of Windsor, Canada

Title: Distributions of nicotine and cotinine in rat tooth, alveolar bone and brain and their impacts on dental health

Yong-Xi Li, Medpace Bioanalytical Laboratories, USA

Title: Mass spectrometry diagnostics in highly ionized plasma: a key tool to optimize the sputtering process and the film growth

Julien Keraudy, University of Nantes, France

Networking & Refreshments @ Foyer

Poster Presentaions @ Foyer

Poster Judges: Yi-Ting Chen, Chang Gung University, Taiwan

Yang Pan, University of Science and Technology of China, China

EMS001

Title: Structural characterization of two dihydrobiopterin tautomers as oxidation intermediates of tetrahydrobiopterin

LO Aurélien, University of Paris Saclay, France

EMS002

Title: Automated open-access liquid chromatography high resolution mass spectrometry to support medicinal chemistry projects

Alberto Fontana, Janssen Research & Development, Spain

EMS003

Title: Determination of ultra-trace level of Pu isotopes in seawater sample using multi collector inductively coupled plasma mass spectrometry (MC-ICP-MS)

Inhee Choi, Korea Institute of Nuclear Safety, South Korea

EMS004

Title: Quantitative estimation of alcohol marker ethylglucuronide (EtG) in human hair by LC-MS/MS: Application towards doping control & forensic science

Kapendra Sahu, National Dope Testing Laboratory, India

EMS005 **Title: Top-down analysis of a FMN-binding membrane protein (FMP) using a multiplexing FTMS data workflow combined with an in-house web-free access ChemInfo.org tool**

Laure Menin, ISIC-GE, Switzerland

EMS006 **Title: Quantitative determination of sulfisoxazole and its three N-acetylated metabolites using HPLC–MS/MS, and the saturable pharmacokinetics of sulfisoxazole in mice**

Minsoo Kim, Chung-Ang University, South Korera

EMS007 **Title: A metabolomic study of Wolfram syndrome 1**

Rando Porosk, University of Tartu, Estonia

EMS008 **Title: Indicating/Quantifying Oxidative Stress Response to Exercise Stimuli**

Taghreed Fagieh, Loughborough University, UK

EMS009 **Title: Determination of metabolites from Gynostemma pentaphyllum in rat urine and faeces by HPLC-MS**

Xiang-Lan Piao, Minzu University of China, China

EMS010 **Title: Simultaneous quantification of eight active flavonoids constituents in Gleditsiae Spina by high-performance liquid chromatography coupled with electrospray ionisation tandem mass spectrometry**

Tiejie Wang, Shenzhen Institute for Drug Control, China

EMS011 **Title: Influence of the temperature rise time on pyrograms in analytical pyrolysis**

Helena Jönsson, Pyrol AB, Sweden

EMS012 **Title: Use of SPME-GC-ToF-MS with Bioinformatics for the Diagnosis of Diseases**

Diane Turner, Anthias Consulting Ltd, UK

EMS013 **Title: Use of MALDI-ToF Mass Spectrometry for Analyzing Latent Fingerprints**

Mustafa Hussain Kathawala, Nanyang Technological University, Singapore

EMS014 **Title: Fragment screening against the EthR-DNA interaction by native mass spectrometry**

Daniel Chan, University of Cambridge, UK

EMS015 **Title: UPLC-MS method for the simultaneous determination of phenolic constituents in honey using multi-walled carbon nanotubes as solid phase sorbents**

Zeid Abdullah Alothman, King Saud University, Saudi Arabia

EMS016 **Title: Screening new urine biomarkers of IgA nephropathy by proteomics**

Yang Lu, State Key Laboratory of Kidney Diseases, China

EMS017 **Title: Application of ion-paring injection-port derivatization GC-MS to detect phenolic endocrine disruptors in human urine**

Wang-Hsien Ding, National Central University, Taiwan

EMS018 **Title: Identification of 4-mercapto-4-methylpentan-2-one as the characteristic aroma of sake made from low-glutelin rice**

Sachiko Iizuka, National Research Institute of Brewing, Japan

EMS019 **Title: New method for comprehensive detection of trace elements in environmental or biochemical materials using an electron-cyclotron-resonance ion-source mass spectrometer**

Kazuya Takahashi, RIKEN, Japan

EMS020 **Title: Heavy metal concentrations in different tissues of marine benthic crab Metapograpsus messor inhabiting mangrove, north Kosseir, Hurghada, Red Sea.**

AbdAllah A T, Jazan University, KSA

Panel Discussion

Day 3 June 21, 2017

Sessions: Applications of Mass Spectrometry | Recent Advances and Development in Mass Spectrometry Hyphenated Techniques

Session Chair: Yi-Ting Chen, Chang Gung University, Taiwan
Session Co-chair: Sanjeeva Srivastava, Indian Institute of Technology Bombay, India

Session Introduction

Title: Automated open-access liquid chromatography high resolution mass spectrometry to support medicinal chemistry projects
Alberto Fontana, Janssen Research & Development, Spain
Title: Review on validation of liquid chromatography–mass spectrometry methods
Ivo Leito, University of Tartu, Estonia
Title: Discovery and validation of biomarkers for gliomas using mass spectrometry based quantitative and targeted proteomics
Sanjeeva Srivastava, Indian Institute of Technology Bombay, India
Title: Clinical proteomics for biomarker discovery and verification of bladder cancer
Yi-Ting Chen, Chang Gung University, Taiwan
Title: Explorations into isomeric peptides of opposite directionalities by tandem mass spectrometry
Dinkar Sahal, International Centre for Genetic Engineering and Biotechnology (ICGEB), India

Networking & Refreshments @ Foyer

Sessions: Applications of Mass Spectrometry | Mass Spectrometry Imaging | Mass Spectrometry in Toxicology

Session Chair: Nives Galić, University of Zagreb, Croatia
Session Co-chair: Pedro José Sanches Filho, Instituto Federal Sul-rio-grandense, Brazil

Session Introduction

Title: Analytical aspects and biomedical applications of selenium speciation
Nikolay Solovyev, Saint Petersburg State University, Russia
Title: Structural investigation of organic compounds and their complexes by ESI MS/MS
Nives Galić, University of Zagreb, Croatia
Title: GC/MS application in the determination of lipids in archaeological artifacts samples
Pedro José Sanches Filho, Instituto Federal Sul-rio-grandense, Brazil
Title: An application of HRMS QTOF in the routine analysis of veterinary drug residues
Radostina K Manova, Netherlands Food and Consumer, Product Safety Authority, Netherlands
Title: Novel approach for the determination by HPLC-MS/MS of microcystins LR, LY, LA, YR, RR, LF, LW, and nodularin in lake water and crops
Gianluca Trifirò, Experimental Zooprophylactic Institute of Puglia and Basilicata Regions, Italy

Lunch Break @ Restaurant

Sessions: Applications of Mass Spectrometry | New Approaches in Mass Spectrometry

Session Chair: Lingzhi Gong, Queen Mary University of London, UK
Session Co-chair: R K Vatsa, Bhabha Atomic Research Centre, India

Session Introduction

Title: Affinity labeling studies and mass spectrometric analyses on human 80S or *E. coli* 70S ribosomes reveal how the ribosomes translate cancer
Codjo Hountondji, University Pierre et Marie Curie (Paris 6), France
Title: Photoionization of nanoclusters: Collisional heating of confined electrons
R K Vatsa, Bhabha Atomic Research Centre, India
Title: Analysis of oligonucleotides by ion-pair hydrophilic interaction liquid chromatography/electrospray ionization mass spectrometry
Lingzhi Gong, Queen Mary University of London, UK
Title: Proteomic analysis of anti-photoaging activity of the acetylated and amidated peptide GMCCSR
Xuewu Zhang, South China University of Technology, China
Title: Proteomic Approaches to Identify the Mechanism of rapid progression of Alzheimer's Disease
Saima Zafar, University Medical Center Goettingen(UMG), Germany

Title: From ESI to APCI, MMI and APPI, complications of adduct ions on MRM at different LC-MS/MS ionization techniques

Wenjie Cao, SABIC Technology and Innovation Center, Saudi Arabia

Title: The assessment of the exposure levels of mycotoxins among dairy cattle in the two South African provinces using HPLC (ESI)-MS/MSn

Makhapa Makhafola, Mintek, South Africa

Title: Investigating the conformation of alkalized leucine-enkephalin complex by H/D exchange and theoretical calculations.

Chaun-Fan Ding, Fudan University, China

Networking & Refreshments @ Foyer

Title: Adipose tissue and adipokines as promising therapeutic targets for obesity-associated cardiovascular and metabolic diseases

Yu Wang, The University of Hong Kong, Hong Kong, China

Title: Mass spectrometry as a powerful spectroscopic tool for the structural identification of natural phenolic compounds and their reaction products

Nour Eddine ES-SAFI, Mohammed V University of Rabat, Morocco

Title: Laser ablation inductively coupled plasma mass spectrometry for quantitative imaging of elements in ferromanganese nodule

Miho Tanaka, Tokyo University of Marine Science and Technology, Japan

Title: Molecularly imprinted micro- and nano-materials for direct protein MALDI-TOF MS analysis

Alessandra Maria Bossi, University of Verona, Italy

Title: Alkali containing molecular ions in SIMS: Understanding of the emission phenomena

Purushottam Chakraborty, Saha Institute of Nuclear Physics, India

Title: Isotope analysis of sulfur, bromine and chlorine in individual anionic species by ion chromatography/multi-collector-ICPMS

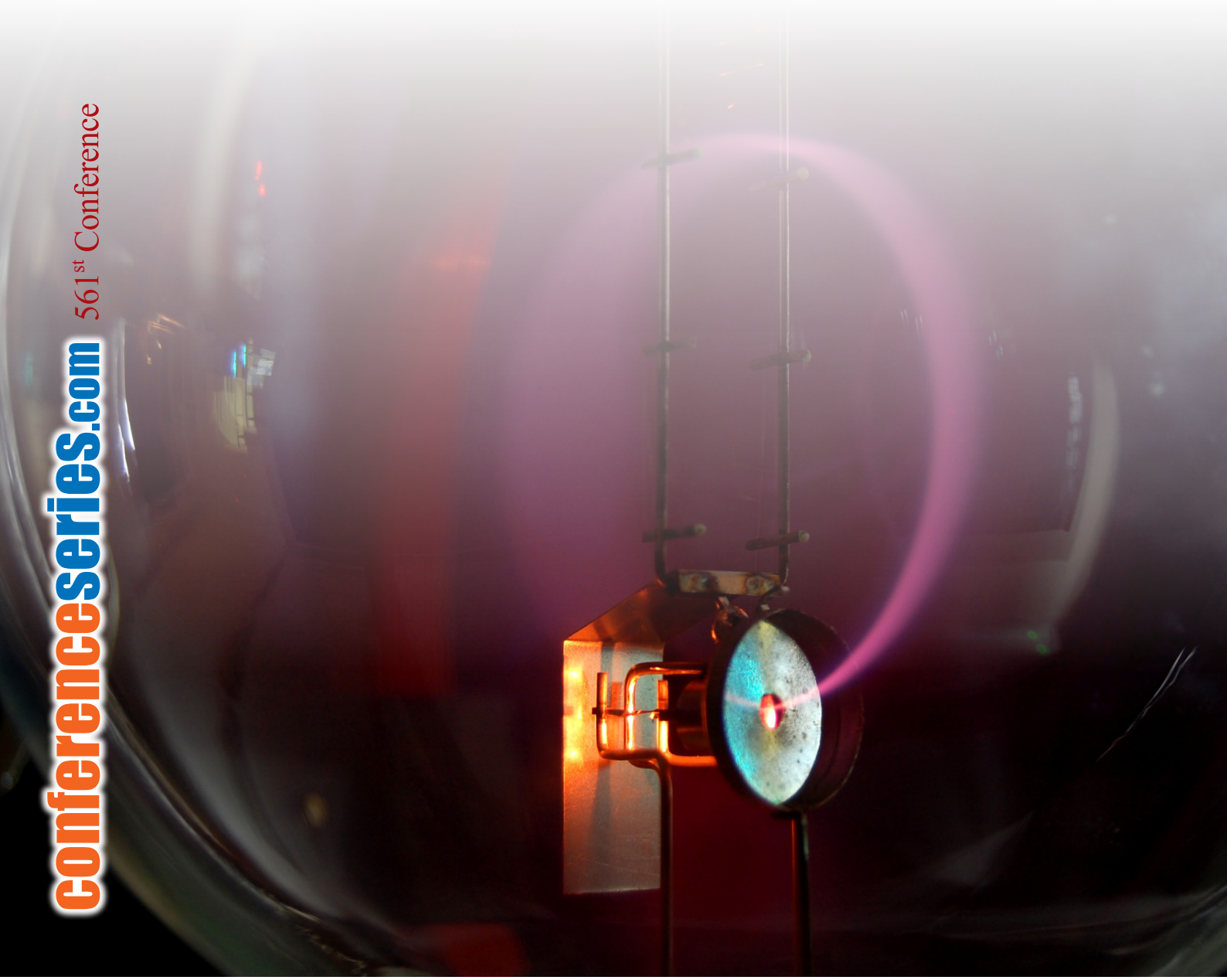
Yevgeni Zakon, Hebrew University of Jerusalem, Israel

Award & Closing Ceremony

2nd International Conference on

Current Trends in Mass Spectrometry

July 20-22, 2016 Chicago, USA



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Scientific Program

Day 1 July 20, 2016

Registrations

Vienna

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Opening Ceremony

Keynote Forum

Introduction

Title: New vistas in multisatge mass spectrometry for analysis of biodegradable polymers

Marek M. Kowalczuk, University of Wolverhampton, UK

Title: 25 Hydroxy vitamin D quantitative analysis by LC/MS – assay standardization

Eduard Rogatsky, Wadsworth Center, USA

Title: Heterocyclic aromatic amines and their contribution to the bacterial mutagenicity of the particulate phase of cigarette smoke

Regina Stabbert, Philip Morris International R&D, Switzerland

Networking and Refreshments @ Foyer

Sessions:

- Applications of Mass Spectrometry
- New Approaches in Mass Spectrometry
- Recent Advances and Development in Mass Spectrometry

Session Introduction

Session Chair: Claudia S. Maier, Oregon State University, USA

Session Co-Chair: Zhenhua GONG, Shanghai Jiaotong University, China

Title: How to make MS data work best for biological research

Iulia M. Lazar, Virginia Tech, Biological Sciences, USA

Title: Quantification of temozolomide in nonhuman primate fluids by Isocratic Ultra-High Performance Liquid Chromatography-Tandem Mass Spectrometry to study brain tissue penetration following intranasal or intravenous delivery

Cody J. Peer, National Institutes of Health, USA

Title: Quantification of bilirubin on dry blood spot by tandem mass spectrometry

Zhenhua GONG, Shanghai Jiaotong University, China

Title: High frequency nano-optomechanical disk resonators in liquids

Eduardo Gil-Santos, Université Paris Diderot, France

Title: Coupling of micro-Electrochemical Reaction Cell to Electrospray MS (EC-ESI MS) for investigation of redox reaction products of cytotoxic metallocomplexes

Katarzyna Pawlak, Warsaw University of Technology, Poland

Title: Tandem mass spectrometry for the characterization of peptide adducts of electrophlic lipoxidation products

Claudia S. Maier, Oregon State University, USA

Lunch Break @ Athens

Sessions:

- Applications of Mass Spectrometry
- Recent Advances and Development in Mass Spectrometry
- Fundamentals of Mass Spectrometry

Session Introduction

Session Chair: Miral Dizdaroglu, National Institute of Standards and Technology, USA

Session Co-Chair: Jianjun Liu, Shenzhen Center for Disease Control and Prevention, China

Title: Adjustable combinatory ionization guns for multiple tasks of analytical MS

Yi Chen, Chinese Academy of Sciences, China

Title: Application of mass spectrometry in the discovery of small molecule inhibitors of DNA repair proteins as potential anticancer drugs

Miral Dizdaroglu, National Iinstitute of Standards and Technology, USA

Title: Determination of mycotoxin contamination in traditional chinese medicines by LC-MS-MS

Hui Xu, Guangzhou University of Chinese Medicine, China

Title: Proteomic study of SET-mediated abnormal protein phosphorylation and histon modification in trichloroethylene-induced hepatic cytotoxicity

Jianjun Liu, Shenzhen Center for Disease Control and Prevention, China

Title: Assessment of BPA levels in urine by HPLC MS

Youssef Mouneimne, American University of Beirut, Lebanon

Title: Magnetic derived perhydroxy-cucurbit[8]uril nanoparticles for solid-phase extraction to ultrasensitive determination of cytokinins in plant samples by UPLC-MS/MS

Gongke Li, Sun Yat-sen University, China

Networking and Refreshments @ Foyer

Sessions:

- Applications of Mass Spectrometry
- Recent Advances and Development in Mass Spectrometry
- Ionization Techniques

Session Introduction

Session Chair: Sherry A. Tanumihardjo, University of Wisconsin, USA

Session Co-Chair: Hui-FenWu, National Sun Yat-Sen University, Taiwan

Title: Development of liquid chromatography-tandem mass spectrometry methods for the quantitation of anisakis simplex proteins in fish

Christiane Kruse Fæste, Norwegian Veterinary Institute, Norway

Title: Photo-reactivity assessment of perfusion drugs combining quantum chemical approach and experimental studies.

Bernard Do, University of Paris-Sud, France

Title: Nanomaterial based mass spectrometry applied on pathogens, cancer study and single cell detection

Hui-FenWu, National Sun Yat-Sen University, Taiwan

Title: Study on free fatty acids metabolome using 2D nano LC-NSI-Q-TOF/MS, application to polycystic ovarian syndrome in women

Guo-An Luo, Macau University of Science and Technology, China

Title: Natural abundance of 13c in serum retinol differentiates between dietary intake of C3 versus C4 plants

Sherry A. Tanumihardjo, University of Wisconsin, USA

Title: Gas phase fragmentation mechanisms of protonated testosterone as revealed by chemical dynamics simulations

Kihyung Song, Korea National University of Education, Republic of Korea

Workshop

Title: GC/MS fundamentals for operators

Matthew S. Klee, VP Market Development Dani Instruments, Inc. USA

Panel Discussion

Day 2 July 21, 2016

Vienna

Keynote Forum

Title: Euv laser mass spectrometry and photoelectron spectroscopy of mass selected neutral clusters and molecules

Elliot R. Bernstein, Colorado State University, USA

Title: Quantitation of lipids in high throughput; the shotgun lipidomics profiling of NAFLD and steatohepatitis by ion mobility-MS data acquisition techniques

Brigitte Simons, SCIEX, Canada

Title: Similarity of hierarchical structured clustering in human and neuronal interactions and on DNA: Structural and functional analogies

Magnus S. Magnusson, University of Iceland, Iceland

Networking and Refreshments @ Foyer

Sessions:

- Applications of Mass Spectrometry
- New Approaches in Mass Spectrometry
- Mass spectrometry Imaging
- Ionization Techniques

Session Introduction

Session Chair: Elliot R Bernstein, Colorado State University, USA

Session Co-Chair: Ioana NUTA, Univ. Grenoble Alpes, SIMAP, France

Title: Development of laser ionization methods and its application in the investigation of chemical vapor deposition chemistry
Yujun Shi, University of Calgary, Canada
Title: Mass spectrometry imaging in flies, cells, and vesicles
Andrew Ewing, University of Gothenburg, Sweden
Title: Identification of lipid biomarkers of atopic skin by normal phase chromatography/high resolution mass spectrometry
Libong Danielle, Paris South University, France
Title: Mass spectrometry with Knudsen cell applied to the investigation of organometallic precursors vapors
Ioana NUTA, Univ. Grenoble Alpes, SIMAP, France
Title: Ultra-trace level speciated isotope dilution measurement of Cr(VI) using ion chromatography tandem mass spectrometry in environmental waters
Stefanie Maedler, Ontario Ministry of the Environment and Climate Change, Canada
Title: Lipid imaging of invertebrate model systems by secondary ion mass spectrometry
Nhu Phan, University of Gothenburg, Sweden

Lunch Break @ Athens

Sessions:
- Applications of Mass Spectrometry
- Recent Advances and Development in Mass Spectrometry
- Mass Spectrometry Configurations and Techniques
- NMR Spectroscopy and NMR in biomedicine

Session Introduction

Session Chair: Lianming Wu, GlaxoSmithKline, USA
Session Co-Chair: Medicharla V. Jagannadham, CSIR-Centre for Cellular and Molecular Biology, India

Title: High-throughput metabolic stability assays using rapid fire and accurate-mass spectrometry
Paul Lee, Discovery Technologies, Amgen Inc., USA
Title: Ambient mass Spectrometry: New directions in pharmaceutical analysis
Lianming Wu, GlaxoSmithKline, USA
Title: PDAS–MSD- LC MS- Prescriptive drug analysis study in rat plasma for multiple sclerosis disease by LC-ESI/MS
Suneetha Achanti, Hindu College of Pharmacy, India
Title: Mass spectrometry technology for biomarker discovery
Sermin Tetik, University of Marmara, Turkey
Title: Improving reproducibility and resolution in Imaging Mass Spectrometry (IMS) through the application of low cost manual sample preparation techniques
Matthew B. O'Rourke, University of Technology Sydney, Australia
Title: Chemical modification of peptides followed by mass spectrometry: Implications in proteomics
Medicharla V. Jagannadham, CSIR-Centre for Cellular and Molecular Biology, India
Title: Snake venomics and antivenomics of the nose-horned viper, vipera ammodytes ammodytes
Adrijana Leonardi, Jozef Stefan Institute and biomedical sciences, Slovenia

Networking and Refreshments @ Foyer

Workshop

Title: Charge-site location and structure elucidation of gaseous ions
Athula B. Attygalle, Center for Mass Spectrometry, Stevens Institute of Technology, USA

Poster Presentaions @ Athens

MS001 **Title: Introduction of liquid samples into high-vacuum plasma ion source for low-cost quantification of inorganic elements**
Tatsuya Urabe, Nishina center for Accelerator-Based Science, Japan

MS002 **Title: Development and validation of bioanalytical method for estimation of methoxsalen in human plasma**
Sejal K. Patel, Ganpat University, India

MS003 **Title: Short term exposure to some airborne trace elements and its potential cancer risk**
Heba M Adly, Umm Al-Qura University, Saudi Arabia

MS004 **Title: Secondary metabolites from soft coral *sarcophyton trocheliophorum* and *sinularia sp***
Chang-Yih Duh, National Sun Yat-sen University, Taiwan

MS005 **Title: Further insights on the carotenoid profile of tagetes patula flowers**
Daniele B. Rodrigues, University of Campinas, Brazil

MS006 **Title: Determination of mycotoxin contamination in traditional chinese medicines by LC-MS-MS**

Ruoting Zhan, Guangzhou University of Chinese Medicine, China

MS007 **Title: UPLC-Q-TOF/MS-based screening and identification of the main alkaloids and their metabolites in rat plasma, urine and feces after oral administration of *Zanthoxylum nitidum* decoction**

Weiwen Chen, Guangzhou University of Chinese Medicine, China

Day 3 July 22, 2016

Vienna

Sessions:

- Applications of Mass Spectrometry
- Advances in Sample Preparation Techniques
- Advances in Chromatography

Session Introduction

Session Chair: Sam F.Y. Li, National University of Singapore, Singapore

Session Co-Chair: Kalluru Seshaiah, Sri Venkateswara University, India

Title: A rugged bio-analytical method for determination of hydralazine in human plasma using gas chromatography coupled with tandem mass spectrometry

Kalluru Seshaiah, Sri Venkateswara University, India

Title: NMR and MS-based metabolomics of *microcystis* spp. unravel the involvement of microcystin in thylakoid membrane stabilization and photoinhibition resistance

Sam F.Y. Li, National University of Singapore, Singapore

Networking and Refreshments @ Foyer

Title: Carotenoids and carotenoid esters from fruits: strategies for identification by LC-MS

Lilian Regina Barros Mariutti, University of Campinas, Brazil

Title: Advancements in mass spectrometry

Lokesh Kumar Gupta, Teva API India Pvt. Limited, India

Title: Comparative assessment of glycosylation of a recombinant human FSH and a highly purified FSH extracted from human urine

Hong Wang, Shanghai Institute for Food and Drug Control, China

Title: Mass spectrometry regiospecific analysis of neutral triacylglycerols

Mahmoud A. Saleh, Texas Southern University, USA

Title: An alternative diabetic retinopathy therapy: A laser triggered microsystem for controlled release of Resveratrol

Oana Teodora Marisca, Babes Bolyai University, Romania

Title: Application of LC-MSn molecular fingerprinting in the rapid elucidation of drug impurities

Min Li, Huahai Pharmaceutical Co., Ltd, China

Title: Determination of heavy metal contents in indian foods using ICP-MS after closed vessel microwave digestion

Sreenivasa RJ, National Institute of Nutrition, India

Lunch Break @ Athens

Panel Disscussion & Award Ceremoney

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Day 1 July 13, 2015

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