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1745th Conference

Scientific Program

7th World Congress on

Mass Spectrometry

June 20-22, 2018 | Rome, Italy



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Hall - Olimpica 1

conference**series**.com 09:30-10:00

Opening Ceremony

Keynote Forum

10:00-10:05 **Introduction**

10:05-10:35 **Title: Application of stable nitrogen isotopes in human colorectal cancer research**
R V Krishnamurthy, Western Michigan University, USA

10:35-11:05 **Title: Alkali containing molecular-ion based SIMS: Fundamentals and potential applications in the chemical analysis of low-dimensional materials**
Purushottam Chakraborty, Saha Institute of Nuclear Physics, India

Networking & Refreshment Break 11:05-11:20 @ Foyer

Group Photo

11:20-11:50 **Title: The role of mass spectrometry in improving the diagnosis and management of thyroid disease**
Steven J Soldin, National Institutes of Health, USA

Special Session

11:50-12:45 **Title: 2-dimensional chromatography – mass spectrometry applications in clinical research**
Eduard Rogatsky, Albert Einstein College of Medicine, USA

Sessions: Ionization Techniques | Applications of Mass Spectrometry | Analytical Science and Separation Techniques | New Approaches in Mass Spectrometry | Recent Advances and Development in Mass Spectrometry | Mass Spectrometry in Proteome Research | Proteomics and its Applications | Fundamentals of Mass Spectrometry

Session Chair: Giovanni Meloni, University of San Francisco, USA

Session Co-Chair: Nives Galić, University of Zagreb, Croatia

Session Introduction

12:45-13:10 **Title: Development of on-line and field dual TD GC – MS for automatic VOC monitoring on petrochemical sites**
Damien Bazin, Chromatotec, France

Lunch Break 13:10-14:00 @ Hotel Restaurants

14:00-14:25 **Title: Multiplexed synchrotron photoionization mass spectrometry: Characterization of combustion and atmospheric reactions**
Giovanni Meloni, University of San Francisco, USA

14:25-14:50 **Title: Organic and inorganic mass spectrometry as a helpful tool for bio-and-environmental sensors design optimization**
Yuliya E Silina, INM-Leibniz Institute for New Materials, Germany

14:50-15:15 **Title: Structural investigation of aromatic hydrazones and their complexes by ESI MS/MS**
Nives Galić, University of Zagreb, Croatia

15:15-15:40 **Title: Microfluidic chip-based ionization coupling with mass spectrometry**
Cilong Yu, Shenzhen Univeristy, China

15:40-16:05 **Title: Failure analysis of nitrile rubber O-rings static sealing for packaging barrel**
Xiao-qin Wei, Southwest Technology and Engineering Research Institute, China

Networking & Refreshment Break 16:05-16:20 @ Foyer

- 16:20-16:45** Title: **Diagnostic accuracy of cannabinoid testing by liquid chromatography-tandem mass spectrometry in human**
Alveena Younas, Armed Forces Institute of Pathology (AFIP), Pakistan
- 16:45-17:10** Title: **Application and evaluation of Raman spectroscopy for dengue fever analysis and its comparison with the routine dengue diagnostic tests**
Saranjam Khan, National Institute for Lasers and Optronics (NILOP), Pakistan
- 17:10-17:35** Title: **Analysis of oligonucleotides by ion-pair hydrophilic interaction liquid chromatography/electrospray ionization mass spectrometry (IP-HILIC/ESIMS)**
Lingzhi Gong, Queen Mary University of London, UK
- 17:35-18:00** Title: **Advanced Bayesian signal and image processing for mass spectrometry**
Ali Mohammad-Djafari, CNRS, France

Panel Discussion

Day 2 June 21, 2018

Hall - Olimpica 1

Keynote Forum

- 09:55-10:00** Introduction
Title: **The role of mass spectrometry in improving the diagnosis and management of adrenal diseases**
- 10:00-10:30** Steven J Soldin, National Institutes of Health, USA
- 10:30-11:00** Title: **Mass spectrometric sampling of high temperature inorganic vapors**
Nathan S. Jacobson, NASA Glenn Research Center, USA

Networking & Refreshment Break 11:00-11:15 @ Foyer

- 11:15-11:45** Title: **Further investigation of the adduct ion complications on MRM at different LC-MS/MS ionization techniques, ESI, APCI, MMI and APPI**
Wenjie Cao, SABIC Technology Center, Saudi Arabia

Sessions: Fundamentals of Mass Spectrometry | Mass spectrometry imaging | New Approaches in Mass Spectrometry | Recent Advances and Development in Mass Spectrometry | Mass Spectrometry in Proteome Research

Session Chair: Giovanni Meloni, University of San Francisco, USA

Session Co-Chair: Nives Galić, University of Zagreb, Croatia

Session Introduction

- 11:45-12:10** Title: **Impact of mass spectrometer-friendly mobile phases on reverse-phase columns selectivity**
Eduard Rogatsky, Albert Einstein College of Medicine, USA
- 12:10-12:35** Title: **MS for characterization and analysis of inorganic and nano materials - mass spectrometer as a kind of synthesizer**
Josef Havel, Masaryk University, Czech Republic
- 12:35-13:00** Title: **Exploring aminoglycosides resistance in *Mycobacterium tuberculosis* isolates by proteomics and mass spectrometry**
Deepa Bisht, National JALMA Institute for Leprosy & Other Mycobacterial Diseases (ICMR), India

Lunch Break 13:00-13:40 @ Hotel Restaurants

Poster Presentations @ 13:45-14:30

Poster Judge: Nives Galić, University of Zagreb, Croatia

- EMS001** Title: **LC-MS analysis of intact amino acids on a novel mixed-mode HPLC column**
Itaru Yazawa, Imtakt Corporation, Japan
- EMS002** Title: **Proteomic profiling of exosomes from colon cancer cells by LC-MS/MS to identify diagnostic biomarkers**
Moon-Chang, Kyungpook National University, South Korea
- EMS003** Title: **Experimental observation of the effects of translational and rotational electrode misalignment on a planar linear ion trap mass spectrometer**
Daniel Austin, Brigham Young University, USA

- EMS004** Title: **A liquid chromatography-tandem mass spectrometry (LC-MS-MS) assay for the determination of tamoxifen and its metabolites in human serum**
Ersilia Bifulco, University of Bergen, Norway
- EMS005** Title: **Neuroprotective compound from an endophytic fungus, *Colletotrichum* sp. JS-0367**
Sang Hee Shim, Duksung Women's University, South Korea
- EMS006** Title: **Validation of a new method on LC-MS/MS in the determination of glyphosate and AMPA**
Jo Dames, Water-link, Belgium
- EMS007** Title: **Optimization of a GC-Atmospheric Pressure Ionization MS/MS method for the identification of disinfection by-products in drinking water**
Katleen Van Den Steen, Water-link, Belgium
- EMS008** Title: **Analytical validation based on oxidation in the atmospheric pressure chemical ionization for acenaphthylene**
Tae In Ryu, National Institute of Chemical Safety, South Korea

Session Continues...

- 14:30-14:55** Title: **Proteomics reveals the molecular underpinnings of stronger learning and memory in eastern compared to western bees**
Jianke Li, Chinese Academy of Agricultural Science, China
- 14:55-15:20** Title: **Mass-analyzer for micro and gaseous impurities analysis in solids**
A P Sarycheva, National Research Nuclear University, Russia
- 15:20-15:45** Title: **Growth hormone: Chromatographic separations coupled with mass spectrometry towards a novel method for anti-doping tests**
Hala Dadi, Université Paris-Sud-CNRS, France

Networking & Refreshment Break 15:45-16:00 @ Foyer

- 16:00-16:25** Title: **Isolation, purification and characterization of flavor compounds in the fruit pulp of *Synsepalum dulcificum***
C.J. Chukwu, Federal University, Nigeria
- 16:25-16:50** Title: ***In vivo* anti-inflammatory activity and UPLC-MS/MS profiling of the peels and pulps of *Cucumis melo* var. *cantalupensis* and *Cucumis melo* var. *reticulatus***
Mai M. Raslan, Beni-Seuf University, Egypt
- 16:50-17:15** Title: **Contribution to the phytochemical and antimicrobial study of the leaves and roots of *Salvia argentea* from western Algeria**
Tehami Wafaa, Université Djillali Liabes, Algeria

Panel Discussion

Day 3 June 22, 2018

Hall - Olimpica 1

Networking Lunch (12:00 PM-13:00 PM) @ Hotel Restaurants

Award & Closing Ceremony

Bookmark your dates

8th World Congress on

Mass Spectrometry

June 10-11, 2019 Edinburgh, Scotland

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