June 19-21, 2017	Scientific Program

Day 1 June 19, 2017	
8:00 - 9:00	Registrations
8:30 - 8:55	Opening Ceremony
Keynote Forum	
8:55 - 9:00	**Introduction**
Keynote	
09:00 - 09:25	**Title: Multistage Mass Spectrometry for Characterization of Bioactive Oligoesters**
	Marek M. Kowalczuk, University of Wolverhampton, UK
09:25- 09:50	**Title: Precision mass measurements by time-of-flight mass spectrometry in the laboratory and in space missions**
	Hermann Wollnik, New Mexico State University, USA
09:50 - 10:15	**Title: Problems and solutions of laser mass spectrometry**
	Alexander A. Sysoev , National Research Nuclear University MEPhI, Russia
10:15 - 10:40	**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
	Networking and Refreshments @ 10:40 - 11:00
Session Introduction	
Track 1: Applications of Mass Spectrometry Track 2: Recent Advances and Development in Mass Spectrometry	
Chair:	**Alexander A. Sysoev , National Research Nuclear University MEPhI, Russia**
Co-Chair:	**Dijana Matak-Vinković, University of Cambridge, UK**
11:00 - 11:20	**Title: Measurement of DNA repair proteins in cancer by mass spectrometry**
	Miral Dizdaroglu, National Institute of Standards and Technology, USA
11:20 - 11:40	**Title:The role of specificity in improving diagnosis and treatment of hypothyroidism and adrenal diseases**
	Steven J Soldin, National Institutes of Health (NIH), USA
11:40 - 12:00	**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
12:00 - 12:20	**Title: Advances in applications of mass spectrometry (ToF-SIMS, LA-ICP-ToF-MS) for forensic analysis**
	Małgorzata Iwona Szynkowska,Lodz University of Technology, Poland
12:20 - 12:40	**Title: Integrated microfluidics for protein modification discovery**
	Amit Tzur, Bar Ilan University, Israel
12:40 - 13:00	**Title:Mass spectrometry reveals protein kinase CK2 high-order oligomerization via the circular and linear assembly**
	Dijana Matak-Vinković, University of Cambridge, UK
	Lunch Breaks@ 13:00 - 14:00

	Session Introduction
Track 1: Applications of Mass Spectrometry Track 8: Proteomics and its applications	
Chair:	Marek M. Kowalczuk, University of Wolverhampton, UK
Co-Chair:	Kay Ohlendieck, Maynooth University, Ireland
14:00 - 14:20	Title:Identification of designer drugs by real time-mass spectrometry (DART-MS)
	Jindra Valentová, Comenius University in Bratislava, Slovakia
14:20 - 14:40	Title: Mass spectrometry-based proteomic profiling of muscular dystrophy
	Kay Ohlendieck, Maynooth University, Ireland
14:40 - 15:00	Title: A Mass Spectrometry Perspective on Dormancy and Antibiotic Tolerance in Bacteria
	Steven J. Bark,University of Houston, USA
15:00 - 15:20	Title: Detection and quantification of acrylamide in cookies by LC-ESI-orbitrap
	Luis F Guido, University of Porto, Portugal
15:20 - 15:40	Title: Mass spectrometry impact on natural complex products comprehensive analysis: From research to routine quality control
	Luisa Mattoli, Aboca Spa, Italy
15:40 - 16:00	Title: Use of MALDI-ToF Mass Spectrometry for Analyzing Latent Fingerprints
	Mustafa Hussain Kathawala, Nanyang Technological University, Singapore
16:00 - 16:20	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
16:20 - 16:40	Title: Eco-friendly UHPLC-MS/MS method for analysis of multi-class micropollutants in drinking water
	Ana R. Ribeiro, Universidade do Porto, Portugal
	Networking and Refreshments @ 16:40 - 17:00
	Session Introduction
Track 1: Applications of Mass Spectrometry Track 3: New Approaches in Mass Spectrometry Track 6: Chromatography and High Performance Liquid Chromatography (HPLC)	
Chair:	Jin Ouyang, Beijing Normal University, China
Co-Chair:	Fernando Ramos, University of Coimbra Health Sciences, Portugal
17:00 - 17:20	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
17:20 - 17:40	Title: High-throughput screening of protein-bound drugs and enzyme inhibitors using ambient mass spectrometry
	Jin Ouyang, Beijing Normal University, China
17:40 - 18:00	Title: Application of liquid chromatography-mass spectrometry in the analysis of phytochemicals
	Natalja P Nørskov, Aarhus University, Denmark
18:00 - 18:20	Title: Mass spectrometry - an important tool in food safety for veterinary drug residue analysis
	Fernando Ramos, University of Coimbra Health Sciences, Portugal
18:20 - 18:40	Title: HPLC based method for proteomic biomarker analysis: Application of in vivo drug metabolite in human plasma
	Sermin Tetik, Marmara University, Turkey
18:40 - 19:00	Title: The application of portable GC-MS on the petrochemical wharf
	Zhao Yun, Waterborne Transport Research Institute, China
	Panel Disscussion

Day 2 June 20, 2017	
Keynote Presentations	
9:00 - 09:25	**Title:** Where is the charge located in multifunctional gaseous ions? A survey by Ion Mobility Mass Spectrometry
	Athula Attygalle, Stevens Institute of Technology, USA
9:25 - 09:50	**Title:** Root causes of LC/MS data variability
	Eduard Rogatsky, Wadsworth Center, USA
9:50 - 10:15	**Title:** Tropospheric multiphase chemistry elevated by diverse mass-spectrometric techniques
	Jianmin Chen, Fudan University, China
10:15 - 10:40	**Title:** Inverse problems in Mass Spectrometry and Bayesian solutions
	Ali Mohammad-Djafari, CNRS, France
	Networking and Refreshments @ 10:40 - 11:00
	Session Introduction
Track 1: Applications of Mass Spectrometry Track 2: Recent Advances and Development in Mass Spectrometry Track 7: Hyphenated Techniques Track 10: Spectroscopy	
Chair:	**Yang Pan, University of Science and Technology of China, China**
Co-Chair:	**Joanna Fiedor, AGH-University of Science and Technology, Poland**
11:00 - 11:20	**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
11:20 - 11:40	**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
11:40 - 12:00	**Title:** Compact laser mass spectrometer for technological analysis of solids
	Violetta V Milyaeva, National Research Nuclear University MEPhI, Russia
12:00 - 12:20	**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
12:20 - 12:40	**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
12:40 - 13:00	**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 Breaks@ 13:00 - 14:00
	Session Introduction
Track 4: Fundamentals of Mass Spectrometry Track 5: Ionization Techniques	
Chair:	**K W Michael Siu, University of Windsor, Canada**
Co-Chair:	**Xinhua Guo, Jilin University, China**
14:00 - 14:20	**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

14:20 - 14:40	**Title:** Isomerization versus dissociation of phenylalanyl glycyl tryptophan radical cations
	Ivan K Chu, University of Hong Kong, Hong Kong
14:40 - 15:00	**Title:**Gas-phase dehydration of protonated polyglycines
	K W Michael Siu, University of Windsor, Canada
15:00 - 15:20	**Title:** Helix MC Plus high resolution noble gas mass spectrometer at the Australian National University
	Xiaodong Zhang, The Australian National University, Australia
15:20 - 15:40	**Title:** Unusual peptide fragment ions in low-energy CID process by charge-remote fragmentation pathways
	Xinhua Guo, Jilin University, China
15:40 - 16:00	**Title:** The key parameters impacted surface-assisted laser desorption/ionization-mass spectrometry
	Yuliya E. Silina, INM-Leibniz Institute for New Materials, Germany
16:00 - 16:20	**Title:** Molecular ion collision chemistry in CH4 ionization and dissociation
	A.T. Hasan, American University of Sharjah, UAE
16:20 - 16:40	**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
16:40 - 17:00	**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
	Networking and Refreshments @ 17:00 - 17:20
Poster Presentaions @ 17:20 - 18:30	
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: Fragment screening against the EthR-DNA interaction by native mass spectrometry
	Daniel Chan, University of Cambridge, UK
EMS012	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
EMS013	Title: Screening new urine biomarkers of IgA nephropathy by proteomics
	Yang Lu, State Key Laboratory of Kidney Diseases, China
EMS014	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
EMS015	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
EMS016	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
EMS017	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 Disscussion

Day 3 June 21, 2017

	Session Introduction
Track 1: Applications of Mass Spectrometry Track 2: Recent Advances and Development in Mass Spectrometry Track 7: Hyphenated Techniques	
Chair:	Yi-Ting Chen, Chang Gung University, Taiwan
Co-Chair:	Sanjeeva Srivastava, Indian Institute of Technology Bombay, India
09:30 - 09:50	Title:Automated open-access liquid chromatography high resolution mass spectrometry to support medicinal chemistry projects
	Alberto Fontana, Janssen Research & Development, Spain
09:50 - 10:10	Title: Review on validation of liquid chromatography–mass spectrometry methods
	Ivo Leito,University of Tartu, Estonia
10:10 - 10:30	Title: Discovery and validation of biomarkers for gliomas using mass spectrometry based quantitative and targeted proteomics
	Sanjeeva Srivastava, Indian Institute of Technology Bombay, India
10:30 - 10:50	Title: Clinical proteomics for biomarker discovery and verification of bladder cancer
	Yi-Ting Chen, Chang Gung University, Taiwan
10:50 - 11:10	Title: Explorations into isomeric peptides of opposite directionalities by tandem mass spectrometry
	Dinkar Sahal, International Centre for Genetic Engineering and Biotechnology (ICGEB), India
	Networking and Refreshments @ 11:10 - 11:30

	Session Introduction
Track 1:Applications of Mass Spectrometry Track 9: Mass Spectrometry Imaging Track 11: Mass Spectrometry in Toxicology	
Chair:	Nives Galić , University of Zagreb, Croatia
Co-Chair:	Pedro José Sanches Filho , Instituto Federal Sul-rio-grandense, Brazil
11:30 - 11:50	Title: Analytical aspects and biomedical applications of selenium speciation
	Nikolay Solovyev, Saint Petersburg State University, Russia
11:50 - 12:10	Title: Structural investigation of organic compounds and their complexes by ESI MS/MS
	Nives Galić , University of Zagreb, Croatia
12:10 - 12:30	Title: GC/MS application in the determination of lipids in archaeological artifacts samples
	Pedro José Sanches Filho , Instituto Federal Sul-rio-grandense, Brazil
12:30 - 12:50	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
12:50 - 13:10	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 Breaks@ 13:10 - 14:00
	Session Introduction
Track 1:Applications of Mass Spectrometry Track 3: New Approaches in Mass Spectrometry	
Chair:	Lingzhi Gong, Queen Mary University of London, UK
Co-Chair:	R K Vatsa, Bhabha Atomic Research Centre, India
14:00 - 14:20	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
14:20 - 14:40	Title: Photoionization of nanoclusters: Collisional heating of confined electrons
	R K Vatsa, Bhabha Atomic Research Centre, India
14:40 - 15:00	Title: Analysis of oligonucleotides by ion-pair hydrophilic interaction liquid chromatography/electrospray ionization mass spectrometry
	Lingzhi Gong, Queen Mary University of London, UK
14:30 - 14:50	Title: Proteomic analysis of anti-photoaging activity of the acetylated and amidated peptide GMCCSR
	Xuewu Zhang , South China University of Technology, China
14:50 - 15:10	Title: Proteomic Approaches to Identify the Mechanism of rapid progression of Alzheimer's Disease
	Saima Zafar, University Medical Center Goettingen(UMG), Germany
15:10 - 15:30	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
15:30 - 15:50	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
15:50 - 16:10	Title: Investigating the conformation of alkalized leucine-enkephalin complex by H/D exchange and theoretical calculations.
	Chaun-Fan Ding, Fudan University, China

16:10 - 16:30	**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
	Networking and Refreshments @ 16:30 - 16:50
16:50 - 17:10	**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
17:10 - 17:30	**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
17:30 - 17:50	**Title:** Molecularly imprinted micro- and nano-materials for direct protein MALDI-TOF MS analysis
	Alessandra Maria Bossi, University of Verona, Italy
17:50 - 18:10	**Title:** Alkali containing molecular ions in SIMS: Understanding of the emission phenomena
	Purushottam Chakraborty,Saha Institute of Nuclear Physics, India
18:10 - 18:30	**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
	Panel Disscussion
	Award Ceremoney
	For Queries Please contact us at
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