



22ND INTERNATIONAL MASS SPECTROMETRY CONFERENCE

AUGUST 26-31, 2018 FLORENCE, ITALY

WWW.IMSC2018.IT

PRELIMINARY PROGRAMME

SATURDAY, AUGUST 25TH					
2:00 p.m.	SHORT COURSE 1	SHORT COURSE 2	SHORT COURSE 3	SHORT COURSE 4	SHORT COURSE 5
	Fundamentals of Mass Spectrometry	Foodomics & Mass Spectrometry	Mass Spectrometry Imaging	Expanded Newborn Screening by Tandem Mass Spectrometry	SPME: Comprehensive Overview of the Technology & Applications to Analytical MS
	TU: Jürgen H. Gross, David Sparkman	TU: Michele Suman & coll.	TU: Marialaura Dilillo, Manuel Galli, Liam McDonnell, Andrew Smith, Martina Marchetti-Deschmann	TU: Giancarlo la Marca, Marzia Pasquali, Hugo Rocha	TU: Janusz Pawliszyn, Barbara Bojko, Nikita Looby, Tijana Vasiljevic
4:30 p.m.	COFFEE BREAK				
5:00 p.m.	SHORT COURSES 1	SHORT COURSES 2	SHORT COURSES 3	SHORT COURSES 4	SHORT COURSES 5
6:00 p.m.	END OF SESSION				

SUNDAY, AUGUST 26TH					
9:00 a.m.	SHORT COURSES 1	SHORT COURSES 2	SHORT COURSES 3	SHORT COURSES 4	SHORT COURSES 5
11:00 a.m.	COFFEE BREAK				
11:30 a.m.	SHORT COURSES 1	SHORT COURSES 2	SHORT COURSES 3	SHORT COURSES 4	SHORT COURSES 5
1:00 p.m.	END SHORT COURSES				
5:00 p.m.	OPENING CEREMONY				
6:00 p.m.	PLENARY LECTURE Marco Leona - The Metropolitan Museum of Art, New York (USA) <i>At the intersection between chemistry and art: scientific research for the study and preservation of cultural heritage</i>				
7:00 p.m.	Welcome Exhibition & Mixer				

MONDAY, AUGUST 27TH					
8:30 a.m.	PLENARY LECTURE 2 Richard Caprioli - Vanderbilt University (USA) <i>Advances in Imaging Mass Spectrometry: Molecular Microscopy in the New Age of Discover</i>				
9:15 a.m.	BREAK				
9:30 a.m.	MO1 - Nucleic Acids <i>KN: Mary Rodgers</i>	MO2 - Clinical Proteomics <i>KN: Thomas Joos</i>	MO3 - Ion Spectroscopy & Photodissociation <i>KN: Mark Johnson</i>	MO4 - Hyphenated Techniques <i>KN: Janusz Pawliszyn</i>	MO5 - Volatile Molec. & Nose-Space Analysis <i>KN: Jonathan Beauchamp</i>
11:30 a.m.	COFFEE BREAK / POSTER SESSIONS MP1, MP2, MP3, MP4, MP5, MP6, MP7, MP8, MP9, MP10 Odd numbers (11:30 a.m.- 1:00 p.m.)				
12:30 p.m.	LUNCH SYMPOSIA (12:30 P.M.- 1:45 P.M.)				
1:30 p.m.	COFFEE BREAK / POSTER SESSIONS MP1, MP2, MP3, MP4, MP5, MP6, MP7, MP8, MP9, MP10 Even numbers (1:30 p.m.- 3:00 p.m.)				
3:00 p.m.	MO6 - Clinical Chemistry <i>KN: Marzia Pasquali</i>	MO7 - Quantitative Proteomics <i>KN: Marcus Bantscheff</i>	MO8 - Chiral Discrimination <i>KN: Masaaki Fujii</i>	MO9 - Ambient Ms, New Ionization Methods <i>KN: Renato Zenobi</i>	MO10 - Polymers <i>KN: Chrys Wesdemiotis</i>
5:00 p.m.	BREAK				
5:15 p.m.	WORKSHOP M1 Mass Spectrometry in Virology <i>OR: Günter Allmaier</i>		WORKSHOP M2 PoliceCasework-Successes & Challenges from an Academic Perspective <i>OR: Simona Francese</i>	WORKSHOP M3 Environmental Mass Spectrometry: from trace analysis to effect assessment <i>OR: Marc Suter</i>	WORKSHOP M4 Are MS-based methods fit for purpose? <i>OR: Lorens P. Sibbesen</i>
7:00 p.m.	END OF SESSION				

TUESDAY, AUGUST 28TH					
8:30 a.m.	Thomson Medal Award ceremony PLENARY LECTURE 3 - THOMSON MEDALIST Albert J.R. Heck - Netherlands Proteomics Centre, Utrecht University (The Netherlands) <i>Gaining weight in mass spectrometry. From analyzing electrons to intact molecular machineries (1)</i>				
9:15 a.m.	BREAK				
9:30 a.m.	TO1 - Therapeutic drug monitoring & drug discovery <i>KN: Rob Vreeken</i>	TO2 - Single Cell <i>KN: Zhibo Yang</i>	TO3 - Noncovalent Interactions <i>KN: Carol Robinson</i>	TO4 - HRMS: Instrum., Methods & Applications <i>KN: Alan Marshall</i>	TO5 - MS Imaging: Instrumentation <i>KN: Ron Heeren</i>
11:30 a.m.	COFFEE BREAK / POSTER SESSIONS TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10 Odd numbers (11:30 a.m.- 1:00 p.m.)				
12:30 p.m.	LUNCH SYMPOSIA (12:30 P.M.- 1:45 P.M.)				
1:30 p.m.	COFFEE BREAK / POSTER SESSIONS TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10 Even numbers (1:30 p.m.- 3:00 p.m.)				
3:00 p.m.	TO6 - Post Transla-tional Modifications <i>KN: Jesper Olsen</i>	TO7 - MS Analysis Of Forensic Sci. Evidence <i>KN: Gérard Hopfgartner</i>	TO8 - Ion activation & dissociation <i>KN: Julia Laskin</i>	TO9- Metal & Non-metal Clusters: Gas Phase Structures & Reactivity <i>KN: Gereon Niedner-Schatteburg</i>	TO10 - Astrochemistry <i>KN: Christine Joblin</i>
5:00 p.m.	BREAK				
5:15 p.m.			WORKSHOP T2 Transforming Drug Discovery & ClinicalBiomarker Bioanalysis... <i>OR: Ragu Ramanathan</i>	WORKSHOP T3 Integration of Native MS With Structural Biology Methods <i>OR: Michal Sharon, Frank Sobott</i>	
7:00 p.m.	END OF SESSION				

WEDNESDAY, AUGUST 29TH					
8:30 a.m.	PLENARY LECTURE 4 - CURT BRUNNÉE AWARD Daniel E. Austin, Brigham Young University (USA) <i>Lithographically patterned electrodes for miniaturized ion trap mass spectrometers and other ion optics devices</i>				
9:15 a.m.	BREAK				
9:30 a.m.	WO1 - Native MS and structural proteomics <i>KN: Michal Sharon</i>	WO2 - JMS Award Symposium	WO3 - Reaction mechanisms and elusive intermediates <i>KN: Stephen Blanksby</i>	WO4 - Pharmaceuticals <i>KN: Walter Korfmacher</i>	WO5 - Food Integrity, Authenticity & Traceability <i>KN: Saskia van Ruth</i>
11:30 a.m.	COFFEE BREAK / POSTER SESSIONS WP1, WP2, WP3, WP4, WP5, WP6, WP7, WP8, WP9, WP10 Odd numbers (11:30 a.m.- 1:00 p.m.)				
12:30 p.m.	LUNCH SYMPOSIA (12:30 P.M.- 1:45 P.M.)				
1:30 p.m.	COFFEE BREAK / POSTER SESSIONS WP1, WP2, WP3, WP4, WP5, WP6, WP7, WP8, WP9, WP10 Even numbers (1:30 p.m.- 3:00 p.m.)				
3:00 p.m.	WO6 - MS Tools In Doping & Toxicology <i>KN: Tiia Kuuranne</i>	WO7- MS Imaging: Applications <i>KN: Liam McDonnell</i>	WO8 - Gas Phase Ion Chem. & Thermochem. <i>KN: Scott McLuckey</i>	WO9 - FTMS and innovative methods for (bio) analyses <i>KN: Joseph Loo</i>	WO10 - Food Additives & Contaminants <i>KN: Michel W.F. Nielen</i>
5:00 p.m.	BREAK				
5:15 p.m.		WORKSHOP W1 MS-Based Techniques forthe Characterization of Nano- materials in Food, ... <i>OR: Francesco Cubadda, Stefan Weigel</i>	WORKSHOP W2 Careersin MassSpectrometry <i>OR: Jackie Mosely</i>	WORKSHOP W3 Mass Spectrometry in Microbiology <i>OR: Vladimír Havlíček</i>	WORKSHOP W4 Advances in Protein Structure Analysis with Mass Spectrometry <i>OR: Kevin Downard</i>
7:00 p.m.	END OF SESSION				

THURSDAY, AUGUST 30TH					
8:30 a.m.	PLENARY LECTURE 5 - THOMSON MEDALIST John R. Yates, The Scripps Research Institute, La Jolla (USA) <i>Driving Innovation - From a Protein Sequence to a Proteome</i>				
9:15 a.m.	BREAK				
9:30 a.m.	ThO1 - Glycomics, Saccharides & Glycoconjugates <i>KN: Isabelle Compagnon</i>	ThO2 - Probing Protein Structure & Dynamics <i>KN: Thomas J. D. Jørgensen</i>	ThO3 - Natural Substances & Their Complexes <i>KN: Pierre-Marie Allard</i>	ThO4 - Environmental MS <i>KN: Susan Richardson</i>	ThO5 - Safe & Valuable Food <i>KN: Laurent Debrauwer</i>
11:30 a.m.	COFFEE BREAK / POSTER SESSIONS ThP1, ThP2, ThP3, ThP4, ThP5, ThP6, ThP7, ThP8, ThP9, ThP10 Odd numbers (11:30 a.m.- 1:00 p.m.)				
12:30 p.m.	LUNCH SYMPOSIA (12:30 P.M.- 1:45 P.M.)				
1:30 p.m.	COFFEE BREAK / POSTER SESSIONS ThP1, ThP2, ThP3, ThP4, ThP5, ThP6, ThP7, ThP8, ThP9, ThP10 Even numbers (1:30 p.m.- 3:00 p.m.)				
3:00 p.m.	ThO6 - Lipidomics <i>KN: Michael Wakelam</i>	ThO7 - Developments & Applications In Ion Mobility MS <i>KN: David Clemmer</i>	ThO8 - Petroleomics, Hydrocarbons & Biofuels <i>KN: Ryan Rodgers</i>	ThO9 - Materials & Nano Materials <i>KN: Norbert Jakubowski</i>	ThO10 - Novel Food; Nanoparticles In Food & Beverage; Future Applications <i>KN: Ruud Peters</i>
5:00 p.m.	END OF SESSION				
8:00 p.m.	CONFERENCE DINNER				

REGISTRATION 8:00 A.M. - 1:00 P.M.	FRIDAY, AUGUST 31ST					
	8:30 a.m.	PLENARY LECTURE 6 - HELMUT SCHWARTZ <i>Mass Spectrometry and Theoretical Chemistry in Service of Catalysis Research: A Ménage-à-Trois at Its Best</i>				
	9:15 a.m.	BREAK				
	9:30 a.m.	FO1 Metabolomics <i>KN: Augustin Scalbert</i>	FO2 - Informatics tools & data analysis <i>KN: Marc-Andre Delsuc</i>	FO3 - Cultural Heritage & Archaeology <i>KN Caroline Tokarski</i>	FO4 - Atomic MS: Metallomics & IRMS <i>KN: Gary M. Hieftje</i>	FO5 - Nutraceutics Directios <i>KN: Riadh Ksouri</i>
	11:30 a.m.	BREAK				
	11:45 a.m.	PRESENTATION OF IMSC 2020				
	12:15 p.m.	ARRIVEDERCI				
VERSION 08.05.2018						
Fundamental Mass Spectrometry		Instrumentation and Methods	Food & Beverage	Organic and Inorganic MS: Challenges & Applications	Life Sciences	