



Associated event

**1<sup>st</sup> European Workshop on  
 AMBIENT MASS SPECTROMETRY AND RELATED MASS SPECTROMETRY-BASED  
 TECHNIQUES IN FOOD / NATURAL PRODUCTS CONTROL:  
 Safety, Authenticity, Forensics, Metabolomics**

**PRELIMINARY PROGRAM AT A GLANCE (24/05/2012)**

Time / Date	MONDAY June 18, 2012	TUESDAY June 19, 2012	WEDNESDAY June 20, 2012
9:00–10:00		<b>Oral session 4</b> <b>Applications in Food Authenticity</b> <b>Application of DART-TOFMS in chicken feeding history</b> (Tomas Cajka, ICT Prague, CZ) <b>Authentication of food and feed lipids</b> (Jana Hajslova, ICT Prague, CZ) <b>Utilization of Ambient Mass Spectroscopy Techniques to Aid in Botanical Authentication</b> (Troy Smillie, University of Mississippi, USA)	<b>Oral session 6</b> <b>General Strategies in Data Processing / Interpretation in Ambient Mass Spectrometry</b> Introduction to chemometric approaches Case studies (Tomas Cajka, ICT Prague, CZ)
10:00–10:30			
10:30–11:00		Coffee break / <b>Exhibition</b>	Brunch / <b>Exhibition</b>
11:00–12:00	<b>Registration</b> for the workshop Masaryk College Conference Centre	<b>Vendor workshops</b> <b>Part I</b> <b>AB SCIEX:</b> Innovations in Direct MS/MS and LC-MS/MS Technology for Screening, Identification and Quantitation of Food Contaminants <b>IonSense:</b> Progress report: DART-MS for Rapid Food Characterization <b>WATERS:</b> Waters' Universal Ion Source Architecture	<b>Vendor workshops</b> <b>Part III</b> <b>Advion:</b> Liquid Extraction Surface Analysis (LESA), innovative upgrade technology for the TriVersa NanoMate® <b>LECO:</b> GCxGC-TOF MS and ultra high resolution TOF MS with folded flight path (FFP™) technology in food-related applications
12:00–13:00		<b>Vendor workshops</b> <b>Part II</b> <b>THERMO:</b> New solutions for high throughput food screening using DART-Orbitrap technology <b>Agilent Technologies:</b> title to be specified	<b>Final discussion panel</b> <b>Advantages and Limitations of Ambient Mass Spectrometry</b>
13:00–13:30	<b>Opening of the workshop</b> <b>Welcome to RAFA associated workshop</b> (Jana Hajslova, ICT Prague, CZ and Michel Nielen, RIKILT, Wageningen, NL) <b>History of Ambient Mass Spectrometry</b> (Jana Hajslova, ICT Prague, CZ)	Lunch / <b>Exhibition</b>	<b>Closure of the workshop</b> <b>Future Perspectives of Ambient Mass Spectrometry</b> Research initiatives of industry vs. Expectations of end-users (Michel Nielen, RIKILT, Wageningen, NL)

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13:30–14:00	<b>Oral session 1</b>		
14:00–14:30	<b>Basic Principles of Most Widely Used Ambient Mass Spectrometry Techniques: Instrumentation and Fundamentals</b> Facundo Fernandez, Georgia Institute of Technology, USA - <b>DART</b> Malcolm Driffield, FERA, UK - <b>ASAP</b> Michel Nielen, RIKILT, NL - <b>DESI</b> Andreas Wiesner, Advion - <b>LESA</b>	<b>Poster session / Exhibition</b>	
14:30–15:00			
15:00–15:30	Coffee break / <b>Exhibition</b>	Coffee break / <b>Exhibition</b>	
15:30–17:30	<b>Oral session 2</b> <b>Applications in Food Safety</b> <b>DART-TOF-MS: A time-saver in analytical chemistry</b> (Christian Klampfl, Johannes Kepler University, Linz, A) <b>The use of high resolution mass spectrometry (SYNAPT G2 HDMS) with ASAP sample introduction for the analysis of plasticisers in the gaskets of food jar lids</b> (Malcolm Driffield, FERA, York, UK) <b>HPTLC-DART-MS for food safety and natural products control</b> (Gertrud Morlock, University of Hohenheim, Stuttgart, DE) <b>DART-MS as a tool for mycotoxins screening</b> (Milena Zachariasova, ICT Prague, CZ)	<b>Oral session 5</b> <b>Applications in Metabolomics</b> <b>UHPLC–MS and DART-MS techniques as tools for metabolomics-based screening of abiotic plant stress</b> (Lukas Vaclavik, ICT Prague, CZ) <b>The potential of LC-HRMS metabolomics fingerprinting in food analysis: Application to the control of forbidden substances</b> (Gaud Dervilly-Pinel, LABERCA, Nantes, FR) <b>Probing plants by DESI and DART-MS: Pros and Cons</b> (Teris van Beek, Wageningen University, NL) <b>Probing chemical diversity of bacteria by LESAs</b> (Ales Svatos, MPI Jena, DE)	
17:30–18:30	<b>Oral session 3</b> <b>Applications in Forensic Analysis</b> <b>Challenges in forensic analysis</b> (Michel Nielen, RIKILT, Wageningen, NL) <b>Investigation of hormones in tissues using imaging DESI-MS</b> (Eva de Rijke, RIKILT, Wageningen, NL)	<b>LAB Tour</b> <b>at the Department of Food Analysis and Nutrition, ICT Prague, CZ</b>	
18:30–19:30	<b>Welcome Drink</b> Masaryk College Conference Centre		
20:00–22:30		<b>Get Together Dinner</b> Slavia restaurant (Prague downtown)	