



# CONFERENCE SPOTLIGHT

Time	Tuesday
11:00	<ul style="list-style-type: none"><li>• Difficulties and Solutions in the Analysis of Polar Compounds by LC–MS: Examples from Research and Routine Analysis <b>(ICM, Hall 3)</b></li><li>• Quantitative Molecular Imaging of Neurotransmitters Directly in Histological Tissue Sections <b>(ICM, Hall 2)</b></li></ul>
11:30	<ul style="list-style-type: none"><li>• Identifying Sources Contributing to Poor Air Quality Using Aerosol MS Techniques <b>(ICM, Hall 5)</b></li><li>• From Target to Non-Target Screening: Comprehensive Characterization of the Aquatic Environment Using LC–HRMS–MS <b>(ICM, Hall 3)</b></li></ul>
12:00	<ul style="list-style-type: none"><li>• MALDI Molecular Imaging of Proteins, Metabolites, and Drugs for Preclinical and Clinical Research <b>(ICM, Hall 2)</b></li><li>• Microchambers and Microdroplets: New Perspectives for Proteomics and Single-Cell Analysis <b>(ICM, Hall 4a)</b></li></ul>
12:30	<ul style="list-style-type: none"><li>• The Challenge of Identification and Quantification Transformations Products in the Water Cycle <b>(ICM, Hall 3)</b></li><li>• Pathogen Analysis on Chip: Sample Enrichment, Preparation, and Detection <b>(ICM, Hall 4a)</b></li></ul>
13:00	<ul style="list-style-type: none"><li>• Identification of New Transformation Products of Selected Antibiotics formed during Advanced Oxidation, Photolysis, and Enzymatic Wastewater Treatment Processes by On-Line Turbulent Flow LC–LTQ–Orbitrap–MS <b>(ICM, Hall 3)</b></li></ul>
14:00	<ul style="list-style-type: none"><li>• The Evolving Frontiers of Analytical Chemistry <b>(ICM, Hall 3)</b></li><li>• Metabolomics Should Pay Great Attention to Standard Operating Procedures <b>(ICM, Hall 2)</b></li></ul>



# CONFERENCE SPOTLIGHT

## Wednesday

- Electrochemistry/Mass Spectrometry as a Tool for Pharmaceutical **(ICM, Hall 3)**
- Systems and Synthetic Biology of Mammalian Circadian Clocks **(ICM, Hall 4a)**
- Towards a LC–MS–MS Based Clinical-Chemical Analyzer for Small Molecules **(ICM, Hall 3)**
- Chemometrics – How to Get More Information out of Complex Data **(ICM, Hall 5)**
- Single Molecule Fluorescence Spectroscopy and its Potential for Analytical Chemistry **(ICM, Hall 5)**
- Nanoscale Sensing Devices for Label-Free On-Chip (bio) Chemical Analysis **(ICM, Hall 5)**
- Towards HYPERformance Comprehensive Two-Dimensional Liquid Chromatography **(ICM, Hall 3)**
- Microfluidic Manipulations: Confining Living Organisms in Small Volumes **(ICM, Hall 5)**
- Chiral Method Development: Parallel Screening and SFC Systems **(ICM, Hall 3)**
- Drug Testing in Dried Blood Spots **(ICM, Hall 5)**

## Thursday

- Trace Elements: Challenges for the Analyses of Bulk Concentrations and Species **(ICM, Hall 5)**
- Scalable, Multiplexed, and Sensitive Immunoassays **(ICM, Hall 2)**
- Application of Nanoparticles in POCT (Point-of-Care Testing) **(ICM, Hall 3)**
- Immuno-MALDI Mass Spectrometry for Clinical Proteomics **(ICM, Hall 2)**
- Elemental Bioimaging in Pharmaceutical Analysis **(ICM, Hall 5)**
- Chemometric Processing of Chemical Fingerprints **(ICM, Hall 4a)**
- Clinical Proteomics for Sickness and Wellness **(ICM, Hall 2)**
- Enhancing Performance of Sensors by Nanomaterials **(ICM, Hall 3)**
- Data Fusion: The Art of Harvesting Synergy from Complementary Analytical Data **(ICM, Hall 4a)**
- DNA-Based Food Authenticity Control **(ICM, Hall 3)**
- Assessing Chemodiversity of Different Wine with Metabolomics **(ICM, Hall 3)**
- MRM from Dried Blood Spots to Quantify Multiple Proteins for Clinical Use **(ICM, Hall 4a)**



# CONFERENCE SPOTLIGHT

Time	Tuesday
14:30	<ul style="list-style-type: none"><li>Analyzing Thousands of Individual Cellular Lipid Species Without HPLC Separation <b>(ICM, Hall 2)</b></li><li>Quantification of Health-Relevant Aerosol Components: Development of Novel Analytical Techniques <b>(ICM, Hall 5)</b></li></ul>
15:00	<ul style="list-style-type: none"><li>Ionic Liquids in Separations and Mass Spectrometry <b>(ICM, Hall 3)</b></li><li>Purification and Preconcentration of Mycotoxins and its Metabolites by Molecularly Imprinted Adsorbents for Biomedical Analysis <b>(ICM, Hall 2)</b></li></ul>
15:30	<b>BREAK</b>
16:00	<ul style="list-style-type: none"><li>The Need of Integrating Multiple Analytical Dimensions in Metabolomics <b>(ICM, Hall 2)</b></li><li>Hydrodynamic Focusing for Biosensors and Biomaterials Fabrication <b>(ICM, Hall 3)</b></li></ul>
16:30	<ul style="list-style-type: none"><li>Nano- and Quantum-Biodevices for Cancer Diagnosis, Cancer Therapy, and iPS Cell Based Regenerative Medicine <b>(ICM, Hall 3)</b></li></ul>
17:00	<ul style="list-style-type: none"><li>Effects of Complex Mixtures of Chemicals: Emphasis on Extracts from Diesel Exhaust Particles <b>(ICM, Hall 5)</b></li><li>Driving Biological Discovery Using Mass Spectrometry <b>(ICM, Hall 3)</b></li></ul>



# CONFERENCE SPOTLIGHT

## Wednesday

- Miniaturized Multiplexed Immunoassays for Biomarker Discovery (**ICM, Hall 2**)
- Drug Testing in Exhaled Breath (**ICM, Hall 5**)

- Heart-Cut and Comprehensive 2D-LC Separation Applied to Complex Sample Chemistries (**ICM, Hall 3**)

## BREAK

- Multiplexed MRM Quantitation for Protein Biomarker Verification of Human Plasma and CSF (**ICM, Hall 2**)
- Unravelling the Mystery of Wine Aroma: Beneficial Use of Multidimensional GC Systems (**ICM, Hall 3**)

- Drug Metabolism by Wastewater Microbes (**ICM, Hall 5**)
- Systematic Characterization of Human Platelets in Arterial Vascular Disorders by Quantitative Proteomics (**ICM, Hall 2**)

- Analytical Challenges and Solutions in Pharmaceutical Discovery (**ICM, Hall 3**)

## Thursday

- Lipids and Ecdysteroids in Developing *Drosophila* (**ICM, Hall 2**)
- Food Fingerprinting: Employing High Resolution MS (**ICM, Hall 3**)

- Utilizing the Novel LipidBlast Virtual MS–MS Library in High Throughput Blood Plasma Screening of Clinical Cohorts (**ICM, Hall 2**)

## BREAK

- Development and Application of an Exact Mass LC–MS–MS Library for the Screening of Mycotoxins in Food (**ICM, Hall 3**)

- Bridging the Biological and Analytical Sciences to Determine the Role of Aberrant Lipid Metabolism in the Onset and Progression of Disease (**ICM, Hall 2**)

- High Throughput Quantification and Metabolic Profiling of Lipid Species (**ICM, Hall 2**)