

Confirmed Speakers

Plenary Lectures

PL04 - Combining Multidimensional Measurements with Standards and Isotopologue Workflows to Detect, Identify and Validate Molecules in Omic Studies



Prof. Erin S. BAKER
(NC STATE UNIVERSITY, Raleigh, United States)

PL01 - Separating Ultra-Heterogenous Protein Assemblies by Mass Photometry and Native Mass Spectrometry



Prof. Justin LP BENESCH
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

PL02 - Drops and MS: Separation and Analysis of Compounds and Cells in Nanoliter Volumes



Prof. Petra S. DITTRICH
(ETH ZURICH, Basel, Switzerland)

PL03 - Emulating Organ-Organ Interaction Using Scalable Microfluidics and Multi-Cellular Spheroids



Dr Olivier FREY
(INSPHERO AG, Schlieren, Switzerland)

Keynote Lectures

KL12 - CE-MS and LC-MS for the Untargeted Metabolomics Investigation of Cardiac Cells Undergoing Oxidative Stress and Other Diseases Simulations



Prof. Ana Valéria COLNAGHI SIMIONATO
(UNIVERSITY OF CAMPINAS, Campinas SP, Brazil)

KL07 - Characterization of Lipid Nanoparticles for mRNA Vaccines by Taylor Dispersion Analysis and Capillary Electrophoresis



Prof. Hervé COTTET
(UNIVERSITY OF MONTPELLIER, Montpellier, France)

KL01 - Open Microfluidic Point-of-care Diagnostic Platform with Freely Configurable Detection Unit



Dr Claudia GAERTNER
(MICROFLUIDIC-CHIPSHOP, Jena, Germany)

KL05 - Size-Based Characterization of Multiple Bound Species Using Flow Induced Dispersion Analysis

Confirmed Speakers



Dr Henrik JENSEN
(FIDABIO, Copenhagen, Denmark)

KL15 - Affinity-based Monolith: from TCM Screening to mAbs Analysis



Prof. Zhengjin JIANG
(JINAN UNIVERSITY, Guangzhou, China)

KL08 - Native CZE-MS of Proteins and Protein Complexes



Dr Kevin JOOSS
(NORTHWESTERN UNIVERSITY, Evanston, United States)

KL09 - Novel Microfluidic Platform for B-cell Screening and Retrieval: A Case Study on Anti-SARS-CoV-2 Monoclonal Antibody Discovery



Prof. Jeroen LAMMERTYN
(KULEUVEN, Leuven, Belgium)

BA01 - Maturation of Microfluidics in an Era Where Real-world Problems Demand a Solution



Prof. James LANDERS
(UNIVERSITY OF VIRGINIA, VA, United States)

KL03 - Clinical Proteomics with Trapped Ion Mobility Spectrometry and PASEF



Dr Florian MEIER
(FRIEDRICH-SCHILLER-UNIVERSITY JENA, Jena, Germany)

KL13 - The Organic Capillary Electrophoresis Analysis System (OCEANS) for Future Life Detection Missions



Dr María Fernanda MORA
(NASA JET PROPULSION LABORATORY, Pasadena, United States)

KL11 - A Journey on Point of Care Devices: from Concept, Regulation, Classification up to Real and Potential Applications



Dr Laura PASQUARDINI
(INDIVENIRE SRL, Trento, Italy)

KL02 - New Trends Using Microchip Devices for Sample Treatment. A New Approach to Green Analytical Methods

Confirmed Speakers



Prof. Maria Dolores RAMOS PAYAN
(UNIVERSITY OF SEVILLE, Seville, Spain)

KL10 - Translating Brain Biomarkers Discovery to Clinical Practice



Prof. Jean-Charles SANCHEZ
(UNIVERSITY OF GENEVA, Genève, Switzerland)

KL14 - Surfix's Ultrasensitive Plug-and-Play Photonic Diagnostics Platform



Dr Luc SCHERES
(SURFIX, Wageningen, The Netherlands)

KL06 - Novel Origami Foil Based Microfluidic Chip for DNA Amplification and Multiplex Detection Fabricated by High-throughput R2R UV-NIL



Dr Barbara STADLOBER
(JOANNEUM RESEARCH, Weiz, Austria)

KL04 - Microchips Design for Health and Environment



Prof. Anne VARENNE
(CHIMIE PARISTECH - PSL, Paris, France)

Session Chairs

Session Chair



Dr Tim CAUSON
(UNIVERSITY OF NATURAL RESOURCES AND LIFE SCIENCES VIENNA, Vienna, Austria)

Session Chair



Dr Tatevik CHALYAN
(VRIJE UNIVERSITEIT BRUSSEL, Brussels, Belgium)

Session Chair



Prof. Hervé COTTET
(UNIVERSITY OF MONTPELLIER, Montpellier, France)

Session Chair



Prof. Wim DE MALSCHE
(VRIJE UNIVERSITEIT BRUSSEL (VUB), Brussels, Belgium)

Confirmed Speakers

Session Chair



Prof. Gert DESMET
(VRIJE UNIVERSITEIT BRUSSEL (VUB), Brussels, Belgium)

Session Chair



Prof. Tristan GILET
(UNIVERSITY OF LIÈGE, Liège, Belgium)

Session Chair



Prof. Jörg P. KUTTER
(UNIVERSITY OF COPENHAGEN, Copenhagen, Denmark)

Session Chair



Dr Laura PASQUARDINI
(INDIVENIRE SRL, Trento, Italy)



Prof. Christian NEUSÜß
(AALEN UNIVERSITY, Aalen, Germany)



Prof. Stig PEDERSEN BJERGAARD
(UNIVERSITY OF OSLO, Oslo, Norway)

Session Chair



Dr Rawi RAMAUTAR
(LEIDEN UNIVERSITY, Leiden, The Netherlands)

Session Chair



Prof. Serge RUDAZ
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

Session Chair



Dr Anne-Catherine SERVAIS
(UNIVERSITY OF LIÈGE, Liege, Belgium)

Session Chair

Confirmed Speakers



Prof. Govert SOMSEN
(VU UNIVERSITY AMSTERDAM, Amsterdam, The Netherlands)



Dr Barbara STADLOBER
(JOANNEUM RESEARCH, Weiz, Austria)

Session Chair



Prof. Myriam TAVERNA
(UNIVERSITY PARIS SACLAY, CHATENAY MALABRY, France)

Session Chair



Prof. Jan VANFLETEREN
(IMEC & GHENT UNIVERSITY, Gent-Zwijnaarde, Belgium)

Oral Communications

YS= Young Scientist

OC16- Chip-Sized Cell Gene Modification System for Integration into Modular Microfluidics



Dr Hashim ALHMOUD
(BILKENT UNIVERSITY, Ankara, Turkey)

OC26 - Isobaric Derivatization of Endothelial Cell Lysates for 6-Plex Thiol Metabolomics by LC-MS/MS (YS)



Mr Michael ARMBRUSTER
(SAINT LOUIS UNIVERSITY, Ballwin, United States)

OC21 - Imaged Capillary Isoelectric Focusing Combined with MS And Bioactivity Detection for Characterisation of Snake Venoms (YS)



Ing Mari-Anne ASSELER
(VRIJE UNIVERSITEIT AMSTERDAM, Amsterdam, The Netherlands)

OC23 - Highly Accurate and Flexible Serial Picoinjection in Droplet Microfluidics (YS)



Ing Jolien BREUKERS
(KU LEUVEN, Heverlee, Belgium)

Confirmed Speakers

OC03 - Purification and Size-Fractionation of Milli-Liter DNA Samples in Minutes Using Electrohydrodynamic Migration (YS)



Mr Paul BRUAND
(LAAS-CNRS, Toulouse, France)

OC35 - Immobilization of GPR17 Receptor for Surface Plasmon Resonance Binding Experiments



Prof. Enrica CALLERI
(UNIVERSITY OF PAVIA, Pavia, Italy)

OC11 - Affinity Capillary Electrophoresis in Fragment-Based Drug Discovery Projects, a Tool for Hit Discovery and Binding Site Characterization (YS)



Ms Clara DAVOINE
(UNIVERSITÉ DE NAMUR & UNIVERSITY OF LIÈGE, Namur, Belgium)

OC13 - Digital Light Processing Based 3D-Printed Microchip Electrophoresis Device with Integrated Electrochemical Detection (YS)



Mrs Brenda Maria DE CASTRO COSTA
(UNICAMP, Campinas, Brazil)

OC04 - Controlling the Motion of Particles in Inertial Microfluidic Devices



Prof. Wim DE MALSCHE
(VRIJE UNIVERSITEIT BRUSSEL (VUB), Brussels, Belgium)

(SANOFI-AVENTIS DEUTSCHLAND GMBH)

OC36 - Microfluidics Chips Fabrication: Cutting, Drilling, Engraving and Sealing of Various Designs Using Recent Laser Technologies



Ing Marc DÉCULTOT
(LASEA, Seraing, Belgium)

OC22 - Optimizing Intact Protein Separation Efficiency Using Capillary Electrophoresis (YS)



Ms Laura DHELLEMMES
(UNIVERSITY OF MONTPELLIER, Montpellier, France)

OC31 - Going Micro with your Regular LC: The Plumber Will Make the Difference

Confirmed Speakers



Dr Víctor GONZÁLEZ-RUIZ
(UNIVERSITY OF GENEVA (SWITZERLAND), Geneva, Switzerland)

OC10 - Real-Time Particle Position Detection for Dynamic Optical Tweezers (YS)



Mr Julian Alexander HANSS
(RWTH AACHEN UNIVERSITY, Aachen, Germany)

OC12 - Development of Minuturized Affinity Columns for Specific Capture, Release and ToF-MS Detection of High Affinity Gag Ligands



Dr Frédéric JEANROY
(INSTITUT DES SCIENCES ANALYTIQUES, Villeurbanne, France)

OC27 - Towards Single Cell Glycomics



Dr Guinevere LAGEVEEN-KAMMEIJER
(LEIDEN UNIVERSITY MEDICAL CENTER, Leiden, The Netherlands)

OC24 - Microfluidic Droplet Instrumental and Methodological Development for Glycan Sample Processing Towards CDG Diagnostic Application (YS)



Mr Théo LIÉNARD-MAYOR
(INSTITUT GALIEN PARIS-SUD, Châtenay-Malabry, France)

OC08 - Freeform-Based Microfluidic Devices for Conventional and Surface-Enhanced Raman Spectroscopy



Dr Qing LIU
(VRIJE UNIVERSITEIT BRUSSEL, Brussels, Belgium)

OC14 - Fabrication of Large-Scale 3D Scaffolds (YS)



Ing Alejandro MADRID SÁNCHEZ
(VRIJE UNIVERSITEIT BRUSSEL, Brussel, Belgium)

OC06 - Trapped Ion Mobility Mass Spectrometry of New Psychoactive Drugs: Fast Distinction and Assignment of Positional Isomers in Designer-Drug Mixtures (YS)



Mr Hany MAJEED
(VU AMSTERDAM, AMSTERDAM, The Netherlands)

Confirmed Speakers

OC29 - Lab-On-A-Disc Platform for Pathogen Detection in Stool: Effect of Inertial Forces and Walls on the Species Migration



Dr Vyacheslav MISKO
(VRIJE UNIVERSITET BRUSSEL (VUB), Brussels, Belgium)

OC33 - Characterization of a Novel Nanoflow Sheath Liquid CE-MS Interface: Analytical Properties, Flow Rates and Applications



Prof. Christian NEUSÜß
(AALEN UNIVERSITY, Aalen, Germany)

OC34 - Sensitive and Valve-Free Targeted Bottom-Up Analysis of Protein Biomarkers by On-Line Aptamer Affinity Solid-Phase Extraction-Immobilized Enzyme Microreactor Capillary Electrophoresis-Mass Spectrometry



Dr Roger PERO-GASCON
(UNIVERSITAT DE BARCELONA, Barcelona, Spain)

OC17 - Absolute Quantification and Structural Characterization of Infliximab in Human Serum Using Capillary Electrophoresis Hyphenated to Tandem Mass Spectrometry (YS)



Ms Tessa REINERT
(UNIVERSITY OF STRASBOURG, Strasbourg, France)

OC25 - Solid Phase Extraction - Mass Spectrometry Monitoring of Glucose-Regulating Hormones from Human Islets of Langerhans



Prof. Michael ROPER
(FLORIDA STATE UNIVERSITY, Tallahassee, United States)

OC18 - From Intact to Bottom-Up: Multidimensional Platform for Comprehensive Characterization of Monoclonal Antibodies in Crude Broths and Formulations from a Single Injection (YS)



Mrs Arta SADIGHI
(VRIJE UNIVERSITEIT AMSTERDAM, Amsterdam, The Netherlands)

OC07 - High Resolution Conformer Distribution Fingerprinting with IMS-MS for Exact N-Glycan Structure Determination



Dr Javier SASTRE TORANO
(UTRECHT UNIVERSITY, Utrecht, The Netherlands)

OC30 - Integration of Hydrogels into Microfluidic Devices with Porous Membranes and Demonstration Gel Electrophoretic DNA Quantification (YS)

Confirmed Speakers



Ms Shadi SHAHRIARI
(MCMASTER UNIVERSITY, Hamilton, Canada)

OC01 - Novel Miniaturized and Microfluidic-Based Analytical Approaches for Isolation and Characterization of Extracellular Vesicles (EVs)



Prof. Myriam TAVERNA
(UNIVERSITY PARIS SACLAY, CHATENAY MALABRY, France)

OC15 - Exploiting Diverse Glycosylation Strategies for Optimized Glycoconjugated Vaccines



Dr Sara TENGATTINI
(UNIVERSITY OF PAVIA, Pavia, Italy)

OC02 - Polymer Inclusion Membrane (PIM) Sampling Probe for Electric Field Driven Extraction of Drug Analytes from Biological Fluids (YS)



Dr Hui Yin TEY
(UNIVERSITY OF TECHNOLOGY MALAYSIA, Skudai, Malaysia)

OC05 - Improving the Resolving Power of a Compact High-Resolution Electrospray Ionization Ion Mobility Spectrometer (YS)



Mr Christian THOBEN
(LEIBNIZ UNIVERSITY HANNOVER, Hannover, Germany)

OC09 - Microfluidic Capillary Electrophoresis Coupled to Surface-Enhanced Raman Spectrometry and the Synthesis of Nanoparticles for Selective Detection



Dr Anna TYCOVA
(INSTITUTE OF ANALYTICAL CHEMISTRY OF THE CAS, V.V.I., Brno, Czech Republic)

OC32 - Single-Shot Proteomics Using Next Generation Pillar Array Column Prototypes with FAIMS and Orbitrap Based Mass Spectrometry



Dr Robert VAN LING
(THERMO FISHER SCIENTIFIC, Ghent, Belgium)

OC20 - All-Integrated Droplet Microfluidics Station for High-Throughput Single Cell Screening and Sorting



Dr Stéphanie VAN LOO
(LIVEDROP, Liege, Belgium)

Confirmed Speakers

OC19 -In-Vitro Drug-Induced Liver Injury Monitoring Using Raman Spectroscopy (YS)



Ms Margot VANDERMOTTEN
(VRIJE UNIVERSITEIT BRUSSEL, Elsene, Belgium)

OC37 - Micro-Engineering Solutions to Accelerate the Development of Polymer Microfluidic Devices



Dr Denis VANDORMAEL
(SIRRIS, Seraing, Belgium)

OC28 - Self-Powered Lab-On-A-Chip Technology for Automated Sample Pre-Processing of Lateral Flow Immunoassays (YS)



Mr Dries VLOEMANS
(KU LEUVEN , Heverlee, Belgium)