

## Confirmed Speakers

### Award Speakers

#### PL03 - Knox Award Lecture SFC: No Regrets



Prof. Dr Keith BARTLE  
(THE UNIVERSITY OF LEEDS, United Kingdom)

#### PL04 - The LCGC Lifetime Achievement Award: An Academic Mentality in an Industrial Environment



Dr Hernan CORTES  
(H.J. CORTES CONSULTING LLC / DOW CHEMICAL RET., Midland, United States)

### Plenary Speakers

#### PL01 - Building the Ideal Chromatography System: Why, What and How



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

#### PL06 - Orbitrap Mass Spectrometry and Chromatography: the Road to a Perfect Marriage



Prof. Alexander MAKAROV  
(THERMO FISHER SCIENTIFIC, Bremen, Germany)

#### PL02 - The Power of LC-MS and LCxLC in the Characterization of Recombinant Proteins, Monoclonal Antibodies and Antibody-drug Conjugates.



Dr Koen SANDRA  
(RESEARCH INSTITUTE FOR CHROMATOGRAPHY, Kortrijk, Belgium)

#### PL05 - Advances in LC and SFC Analysis



Prof. Jean-Luc VEUTHEY  
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

### Keynote Speakers

#### KL19 - CANCELLED

#### KL17 - Solid Phase Micro-Extraction, Sketching the Future of Microsampling in Bioanalysis



Dr Sheelan AHMAD  
(GSK, Hertfordshire, United Kingdom)

#### KL22 - Detection and Quantification of Anthrax Toxins by Immunoaffinity and Mass Spectrometry

## Confirmed Speakers



Dr John BARR  
(CENTERS FOR DISEASE CONTROL AND PREVENTION, Atlanta, Georgia, United States)

### **KL12 - High-Sensitivity Bioanalysis of Proteins by LC-MS/MS Without the Use of Antibodies**



Prof. Rainer BISCHOFF  
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

### **KL16 - Assessment of Intra-particle Diffusivity in Hydrophilic Interaction Chromatography (HILIC) and Reversed-phase Liquid Chromatography (RPLC) under Conditions of Identical Packing Structure**



Prof. Deirdre CABOOTER  
(KU LEUVEN, Leuven, Belgium)

### **KL13 - Hyphenated Techniques for Organic and Inorganic Analysis in Order to Ensure Patient Safety**



Dr David CLICQ  
(UCB PHARMA, Braine L'alleud, Belgium)

### **KL20 - Macro and Micro-Scale Methods Using Large Volume Injections and Heart-Cutting 2D-LC for Ultrahigh Sensitivity Bioanalysis**



Dr Filip CUYCKENS  
(JANSSEN R&D, Beerse, Belgium)

### **KL09 - Is the Claimed State-of-the-art GCxGC Overshadowing the Power of Heart-cut Two-dimensional GC?**



Dr Frank DAVID  
(RESEARCH INSTITUTE FOR CHROMATOGRAPHY, Kortrijk, Belgium)

### **KL26 - Theory, Practice and Applications of Comprehensive 2-Dimensional Hydrophilic Interaction Chromatography X Reversed Phase Liquid Chromatography**



Prof. André DE VILLIERS  
(STELLENBOSCH UNIVERSITY, Stellenbosch, South Africa)

### **KL21 - In-depth Analysis of Complex VOC Mixtures by GCxGC-HRTOFMS'**



Prof. Jean-François FOCANT  
(UNIVERSITY OF LIÈGE (ULG), Liège, Belgium)

### **KL15 - Modern Liquid Chromatographic Approaches for the Analytical Characterization of Biopharmaceuticals**

## Confirmed Speakers



Dr Davy GUILLARME  
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

### KL25 - UPC2 Coupled to both Inorganic and Organic Mass Spectrometers



Mr Christopher HOPLEY  
(LGC, Teddington, United Kingdom)

### KL18 - Towards More Generic Methods for Food Analysis



Prof. Hans-Gerd JANSSEN  
(UNILEVER RESEARCH VLAARDINGEN, Vlaardingen, The Netherlands)

### KL07 - Bridges over Troubled Waters: Strategies for HPLC Method Development Of Complex Samples



Dr Stefan LAMOTTE  
(BASF SE, Ludwigshafen, Germany)

### KL11 - Selective Ionisation with High Resolution Mass Spectrometry ? The Future for Hyphenation in the Petrochemical Industry?



Mr Tom LYNCH  
(BP GLOBAL LUBRICANTS TECHNOLOGY, Reading, United Kingdom)

### KL23 - Miniaturized and Selective Monoliths Coupled on Line to Nanolc for the Determination of Target Analytes at the Trace Level in Complex Samples



Prof. Valerie PICHON  
(ESPCI, Paris, France)

### KL03 - Towards Hyperformance Two-Dimensional Liquid Chromatography



Prof. Peter SCHOENMAKERS  
(UNIVERSITY OF AMSTERDAM, Amsterdam, The Netherlands)

### KL01 - Expanding GCxGC Hyphenation



Prof. Robert SHELLIE  
(TRAJAN SCIENTIFIC AND MEDICAL, Melbourne, Australia)

### KL06 - Shapes, Sizes and More - Ion Mobility for Sample Separation and Characterization



Prof. Dr Frank SOBOTT  
(UNIVERSITY OF ANTWERP, Antwerp, Belgium)

## Confirmed Speakers

### KL04 - Hyphenation of Intact Protein Separation and Mass Spectrometry for Characterization of Biopharmaceuticals



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

### KL27 - A Critical Appraisal of Micro Liquid Chromatography in One- and Two-Dimensional Applications Coupled to Mass Spectrometry



Dr Thorsten TEUTENBERG  
(INSTITUT FÜR ENERGIE- UND UMWELTTECHNIK E.V., Duisburg, Germany)

### KL02 - Detailed Crude Oil Analysis: GCXGC, Field Ionization Mass Spectrometry and Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Join Forces



Prof. Kevin VAN GEEM  
(UGENT, gent, Belgium)

### KL08 - On the Use of Bayesian Methods for Automated Data Analysis



Dr Gabriel VIVO TRUYOLS  
(UNIVERSITY OF AMSTERDAM, Amsterdam, The Netherlands)

### KL24 - Modern SFC: Current State and Future Prospects



Dr Caroline WEST  
(UNIVERSITY OF ORLEANS, Orleans, France)

### KL14 - Smaller, Better, Faster - Strategies for Metabolite Profiling and Phenotyping



Prof. Ian D. WILSON  
(IMPERIAL COLLEGE LONDON, London, United Kingdom)

### KL10 - New Applications of Laboratory Chromatographs as Automated Online-Analyzers for Wastewater Analysis



Dr Monika WORTBERG  
(BASF SE, Ludwigshafen, Germany)

## Tutorials

### TU06 - Characterization and Analysis of the Efficiency and Speed of Chromatographic Columns



Prof. Ken BROECKHOVEN  
(VRIJE UNIVERSITEIT BRUSSEL (VUB), Brussels, Belgium)

### TU04 - Sample Preparation for Bioanalysis in Clinical Laboratories: Practicalities and Considerations

## Confirmed Speakers



Dr Lewis COUCHMAN  
(KING'S COLLEGE, London, United Kingdom)

### TU03 - Description and Prediction of the Shape of Chromatographic Peaks: A Tutorial



Dr Wim KOK  
(UNIVERSITY OF AMSTERDAM, Amsterdam, The Netherlands)

### Workshop: "How to Write a Paper"



Dr John LANGLEY  
(UNIVERSITY OF SOUTHAMPTON, Southampton, United Kingdom)

### TU05 - Hyphenated LC-MS and LC×LC-MS Techniques Reduce the Need for Extensive Sample Preparation for Accurate Analysis of Target Compounds.



Prof. Luigi MONDELLO  
(UNIVERSITY OF MESSINA, Messina, Italy)

### TU02 - An Introduction to Biopharmaceutical Analysis



Prof. David PERRETT  
(QUEEN MARY'S UNIVERSITY OF LONDON, London, United Kingdom)

### TU01 - Tutorial: Optimisation of LCMS Conditions for Proteomics Experiments



Dr Achim TREUMANN  
(NEWCASTLE UNIVERSITY, Newcastle, United Kingdom)

### KL05 - Application of GCxGC-TOFMS and GCxGC-High Resolution TOFMS for Detection of Petrochemical and Particulate Matter (PM) Samples



Prof. Ralf ZIMMERMANN  
(U. ROSTOCK & HELMHOLTZ ZENTRUM MÜNCHEN, München, Germany)

## Oral Communications

### OC08 - Peaks Behaving Badly: Application of 2D-LC to Determine and Control the Reactivity of Samples of a Drug Product Under Different Analytical Conditions During Method Development



Dr Claudio BRUNELLI  
(PFIZER, Sandwich, United Kingdom)

### OC23 - Quantifying Target Compounds in Complex Matrices Using Multiple Heart-Cutting Two-Dimensional Liquid Chromatography

## Confirmed Speakers



Dr Stephan BUCKENMAIER  
(AGILENT TECHNOLOGIES, Waldbronn, Germany)

### **OC05 - HPLC with Drift-Tube Ion Mobility and Time-of-Flight Mass Spectrometry: Assessment of Separation and Feature Alignment/Annotation Capabilities**



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

### **OC14 - Can UHPLC High Speed Separations be Employed in a Multidimensional Approach for Bio Therapeutic Protein Analysis?**



Dr Ken COOK  
(THERMO FISHER SCIENTIFIC, Newcastle upon Tyne, United Kingdom)

### **OC21 - Importance of Reference Conditions in SFC**



Dr Ruben DE PAUW  
(VRIJE UNIVERSITEIT BRUSSEL, Elsene, Belgium)

### **OC24 - Hyphenated Chromatographic Techniques for Complex Analysis of Lipid Samples**



Prof. Paola DUGO  
(UNIVERSITÀ DI MESSINA, Messina, Italy)

### **OC03 - Kinetic Gain Factors and Peak-Compression Effects in Ultra-High-Pressure LC**



Prof. Sebastiaan EELTINK  
(VRIJE UNIVERSITEIT BRUSSEL (VUB), Brussels, Belgium)

### **OC04 - Successful Generic Approaches for Heartcutting 2DLC with Focus on Userfriendliness**



Mrs Isabelle FRANÇOIS  
(WATERS, ZELLIJ, Belgium)

### **OC20 - Hyphenation of Asymmetrical Flow Field-Flow Fractionation (AF4) to ICP-MS for the Quantification of Protein Associated Metal Ions**



Dr Erwin KAAL  
(DSM, Delft, The Netherlands)

### **OC11 - Characterizing the Smell of Marijuana with Multidimensional Gas Chromatography - Mass Spectrometry - Olfactometry**

## Confirmed Speakers



Dr Jacek KOZIEL  
(IOWA STATE UNIVERSITY, Ames, IA, United States)

### OC06 - Liquid-Junction Based CE/MS Interfacing for Proteomic, Glycomic and Metabolomic Analyses



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

### OC18 - Development of a Low Volume Dispersive Liquid-Liquid Microextraction Method for Simultaneous Determination of Illicit Psychoactive Drugs in Blood



Dr Stefan LOUW  
(UNIVERSITY OF NAMIBIA, Windhoek, Namibia)

### OC12 - GC×GC-TOF MS with Soft Electron Ionisation for Enhanced Characterisation of Allergens in Cosmetics



Dr Laura MCGREGOR  
(MARKES INTERNATIONAL, Llantrisant, United Kingdom)

### OC16 - Simpler, Better, Faster - The Hyphenated Potential of Planar Chromatography



Prof. Gertrud MORLOCK  
(JUSTUS LIEBIG UNIVERSITY GIESSEN, Giessen, Germany)

### OC13 - Capillary Electrophoresis Supporting Viral Vaccine Development



Dr Cari SANGER  
(KANTISTO, Baarn, The Netherlands)

### OC22 - Metabolic Phenotyping of Mammalian Urine by SFC-HRMS



Dr Arundhuti SEN  
(KING'S COLLEGE, London, United Kingdom)

### OC15 - The Art of Column Thermostating in the Presence of Frictional Heating?



Dr Frank STEINER  
(THERMO FISHER SCIENTIFIC, Germering, Germany)

### OC17 - Dried Blood Microsamples in the Bioanalytical Lab



Prof. Christophe STOVE  
(UGENT, Ghent, Belgium)

### OC02 - Improvement of Retention Time Prediction in Liquid Chromatography

## Confirmed Speakers



Dr Roman SZUCS  
(PFIZER, United Kingdom)

### **OC01 - Flow-Modulation Comprehensive Two-Dimensional Gas Chromatography-Mass Spectrometry Using ? 4 mL/min Gas Flows**



Prof. Peter TRANCHIDA  
(UNIVERSITY OF MESSINA, Messina, Italy)

### **OC07 - Nano UHPLC-ESI-MS/MS for the In Vivo Monitoring of Neuropeptides in the Rodent Brain**



Prof. Ann VAN EECKHAUT  
(FREE UNIVERSITY OF BRUSSELS (VUB), Brussels, Belgium)

### **OC19 - UHPLC Coupled to Hybrid High Resolution MS for Digestion Metabolomics and DNA Adductomics**



Prof. Lynn VANHAECKE  
(GHENT UNIVERSITY, Merelbeke, Belgium)

### **OC10 - Ultratrace Analysis of Oxygenates**



Dr Joeri VERCAMMEN  
(INTERSCIENCE, Louvain-la-Neuve, Belgium)

### **OC09 - Chemically Sensitive SEC Detection with FTIR and Low Field NMR Spectroscopy**



Prof Manfred WILHELM  
(KARLSRUHER INSTITUT FÜR TECHNOLOGIE (KIT), Karlsruhe, Germany)

## **“Young & Emerging Scientists” Session**

### **YeS30 - Insights into the Fundamentals of the Supercritical Fluid Extraction Process Using UV/VIS and Evaporative Light Scattering Detection**



Mr Victor ABRAHAMSSON  
(LUND UNIVERSITY, Lund, Sweden)

### **YeS25 - Prospects of Flow Field Thermal Gradient GAS Chromatography (FF-TG-GC)**



Dr Peter BOEKER  
(UNIVERSITY OF BONN, Bonn, Germany)

### **YeS10 - Synthesis of Molecular Imprinted Polymers for the Selective Extraction of Organophosphorous Pesticides in Vegetable Oils**

## Confirmed Speakers



Ms Sara BOULANOUAR  
(ESPCI, PARIS, France)

### **YeS13 - Development of Supercritical Fluid Chromatography Methods with Mass Spectrometry and U.V. Detection for the Characterization of Fast Pyrolysis Bio Oils**

Mr Julien CREPIER  
(IFPEN, Solaize, France)

### **YeS08 - Mediating Chromatographic Dilution in One- and Two-Dimensional Liquid Chromatography by Post-Column Refocusing**



Mr Jelle DE VOS  
(VRIJE UNIVERSITEIT BRUSSEL, Brussel, Belgium)

### **YeS18 - Hyphenated Techniques in Clinical Sciences: GC×GC-HRTOFMS Approach in Metabolomics**



Mr Nicolas DI GIOVANNI  
(UNIVERSITY OF LIÈGE, Liège, Belgium)

### **YeS23 - Varied Approaches (CCC, SFE) for the Enrichment of Bioactive Cosmetic Compounds from Plant Seeds and Identification by Ultra High Performance SFC-HRMS**



Ms Johanna DUVAL  
(ICOA, Orléans, France)

### **YeS21 - Quantitative Determination of Gadolinium Based Magnetic Resonance Imaging Contrast Agents in Urine and Hospital Wastewater by HPLC-ICP-QMS**



Mr Karel FOLENS  
(UGENT, Gent, Belgium)

### **YeS02 - Secondary Electrospray Ionization (SESI) and UHPLC Coupled to HRMS Allow the Identification and Quantification of Benzothiazoles in Exhaled Breath and Exhaled Breath Condensate**



Dr Diego GARCIA-GOMEZ  
(ETH ZÜRICH, Zürich, Switzerland)

### **YeS19 - Combining the Full Potential of UHPSFC-QTOF/MS and UHPLC-QTOF/MS for Efficient Natural Bioactives Analysis**



Mr Alexandre GRAND-GUILLAUME PERRENOUD  
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

### **YeS27 - Vacuum Ultraviolet Spectroscopy as a Complementary Detection System to Mass Spectrometry for One- and Comprehensive Two-Dimensional GAS Chromatography**

## Confirmed Speakers



Mr Thomas GRÖGER  
(HELMHOLTZ ZENTRUM MÜNCHEN, Neuherberg, Germany)

### **YeS11 - Effect of Polyethylene Glycol on Pore Structure and Separation Efficiency of Silica-Based Monolithic Capillary Columns**

Dr Takeshi HARA  
(VRIJE UNIVERSITEIT BRUSSEL, Brussel, Belgium)

### **YeS12 - Optimization of On-Column Trypsin Digestion Coupled with IDMS for Quantitative Analysis of Apolipoproteins**



Dr Zsuzsanna KUKLENYIK  
(CENTERS FOR DISEASE CONTROL AND PREVENTION, Atlanta, United States)

### **YeS05 - Evaluation of a New Strategy for the Simultaneous Analysis of Pharmaceuticals with a Broad Polarity Range in Water**



Mr Glenn LOOS  
(KU LEUVEN, Leuven, Belgium)

### **YeS04 - Evaluation of a New API Source: Improved Sensitivity for Pharmaceutical Analysis**



Mr Arnaud LUBIN  
(JANSSEN PHARMACEUTICA, BEERSE, Belgium)

### **YeS03 - Comparison of HILIC-MS and RPLC-MS Performance in Terms of Sensitivity and Matrix Effects**



Ms Aurélie PÉRIAT  
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

### **YeS17 - Characterization of Human Exhaled Breath for Non-Invasive Detection of Diseases by GC×GC-TOFMS**



Mr Romain PESESSE  
(UNIVERSITY OF LIÈGE, Liège, Belgium)

### **YeS31 - Interpretive Optimization of Two-Dimensional Resolution for LC×LC Separations with Gradient Elution in Both Dimensions**

Mr Bob PIROK  
(UNIVERSITY OF AMSTERDAM, Amsterdam, The Netherlands)

### **YeS20 - In-Line Drug Metabolism System Using Enzyme Immobilized Magnetic Nanoparticles in Capillary Electrophoresis**



Mr Pranov RAMANA  
(KU LEUVEN, Leuven, Belgium)

### **YeS16 - The Power of Reverse Phase Comprehensive 2D GC for Oxygentate Analysis in Shale Oils**

## Confirmed Speakers



Ing Nenad RISTIC  
(UNIVERSITEIT GENT, Gent , Belgium)

**YeS22 - New Approaches in High Temperature Stable Polymerized Ionic Liquids as Stationary Phase in Gas Chromatography**



Mr Kevin ROELEVELD  
(UGENT, Ghent, Belgium)

**YeS29 - Drug/phospholipid polar/electrostatic Interactions Estimated by IAM-HPLC as Indexes of the Transcellular Passive Diffusion of Ionisable Drugs. Relationships with in situ and in vitro Intestinal Permeability Data**



Mr Giacomo RUSSO  
(UGENT, Ghent, Belgium)

**YeS28 - Optimizing On-Line RPLCXRPLC-MS for both Peak Capacity Enhancement and Matrix Effect Reduction. Application to the Separation of a Protein Digest**



Mr Morgan SARRUT  
(UNIVERSITY OF LYON, Villeurbanne, France)

**YeS15 - Isolation of Unknown Molecules from Plant Extracts Exploiting a Multidimensional GC-Prep System Followed By NMR, MS and FTIR for Structural Identification**



Prof. Danilo SCIARRONE  
(UNIVERSITY OF MESSINA, Messina, Italy)

**YeS07 - In Vitro Monitoring of Human Tissues Degradation by TD-GC×GC-TOFMS**



Mr Pierre-Hugues STEFANUTO  
(UNIVERSITY OF LIÈGE, Liège, Belgium)

**YeS09 - The Application of Acetone Acetals as Water Scavengers And Novel Derivatisation Agent Prior to the Gas Chromatographic Analysis of Polar Residual Solvents In Aqueous Samples**



Mr Niels VAN BOXTEL  
(KU LEUVEN, Leuven, Belgium)

**YeS06- The Use of Both Liquid and Gas Chromatography Coupled to Mass Spectrometry in the Domain of Food Contact Materials: Migration of Phthalates and Cereals in Breakfast Cereals**

Ms Kathy VAN DEN HOUWE  
(WIV-ISP, Brussel, Belgium)

**YeS14 - Development and Validation of a Rapid Detection Method for Boar Taint by Means of Solid Phase Microextraction and a Person-Portable GC-MS**

## Confirmed Speakers



Ms Kaat VERPLANKEN  
(GHENT UNIVERSITY, Merelbeke, Belgium)

### **YeS01 - Comparison of a Triple Quadrupole and a Quadrupole Time-of-Flight Mass Analyser to Quantify 16 Opioids in Human Plasma**



Mr Johan VIAENE  
(VRIJE UNIVERSITEIT BRUSSEL, Jette, Belgium)

### **YeS26 - Design Aspects for the Construction of a Microfluidic Device for Comprehensive Spatial Three-Dimensional Liquid Chromatography**



Ing Bert WOUTERS  
(UNIVERSITEIT VAN AMSTERDAM, Beverwijk, The Netherlands)

### **YeS24 - Extending the Performance of Microfluidic Membrane Suppressors and Hyphenation with On-Chip Conductivity Detection for Ion-Exchange Chromatography**



Ing Sam WOUTERS  
(VUB, Brussels, Belgium)