HTC-14

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, ZELLIK, 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 Thermostatting 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
(UNIVERSTITY 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 UNIVERSTEIT 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)