

## Confirmed Speakers

### Confirmed Plenary Lectures

#### Pharmacometabolomics: a Tool for Drug Discovery and Personalised Medicine



Coral BARBAS  
(SAN PABLO - CEU UNIVERSITY, Madrid, Spain)

#### Quality Control of Chinese Herbal Medicines



Rudolf BAUER  
(UNIVERSITY OF GRAZ, Graz, Austria)

#### State of the Art Mass Spectrometry Methods for Antibodies, Biosimilars, Bispecifics and ADCs Characterization



Alain BECK  
(PIERRE FABRE, St Julien-en-Genevois, France)

#### Tutorial: An Analysis of the New USP Validation Guidelines



Bruno BOULANGER  
(ULG, Liege, Belgium)

#### Tutorial: Separation of Enantiomers of Chiral Drugs by Liquid-Phase Techniques



Bezhan CHANKVETADZE  
(TBILISI STATE UNIVERSITY, Tbilisi, Georgia)

#### New Analytical Strategies for Drug Metabolism Studies



Filip CUYCKENS  
(JOHNSON & JOHNSON PHARMACEUTICAL, Beerse, Belgium)

#### Is Modern SFC a Viable Alternative to RPLC in Pharmaceutical Analysis?



Davy GUILLARME  
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

#### Spatially-Resolved Analysis of Metallopharmaceuticals by Elemental Bioimaging



Uwe KARST  
(UNIVERSITY OF MUENSTER, Muenster, Germany)

#### The Nanoliter Lab: Using Droplet Microfluidics to Screen Enzymes and Protein-Protein Interactions

## Confirmed Speakers



Robert KENNEDY  
(UNIVERSITY OF MICHIGAN, Michigan, United States)

### Analytical Quality by Design



David LLOYD  
(BRISTOL-MYERS SQUIBB, New Brunswick, United States)

### Nanoimmunoaffinity Extraction and Analysis of Biomarkers of Oxidative Stress



Michael LÄMMERHOFER  
(EBERHARD KARLS UNIVERSITY TÜBINGEN, Tübingen, Germany)

### Analytical Armamentarium for the Structural Characterization of Neo-Glycoproteins



Gabriella MASSOLINI  
(UNIVERSITY OF PAVIA, Pavia, Italy)

### SPME-LC-MS for Drug Bioanalysis, a New Tool for *in vivo* Sampling and High Throughput Determinations



Janusz PAWLISZYN  
(UNIVERSITY OF WATERLOO, Waterloo Ontario, Canada)

### Analytical Microextraction Across Supported Liquid Membranes - Principles, Applications and Recent Developments



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

### Development of Selective Extraction Sorbents from the Macro- to the Microscale for the Trace Analysis in Complex Media



Valerie PICHON  
(ESPCI, Paris, France)

### Analytical Needs within Innovative Manufacturing of Future Pharmaceuticals



Jukka RANTANEN  
(UNIVERSITY OF COPENHAGEN, Kobenhavn, Denmark)

### Utility of CE-MS and HILIC-MS for Untargeted Analysis of the Anionic Urinary Metabolome



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

## Confirmed Speakers

### Proteomics, Bioinformatics and Biopharmaceuticals



Alain VAN DORSSELAER  
(UNIVERSITY OF STRASBOURG, Strasbourg, France)

### Analysis of Large Biomolecules: New Strategies



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

### Building on Success - Metabolic Profiling for Patients and Populations



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

### Towards Personalised Medicine Based on Metabolomics with Mass Spectrometry



Guowang XU  
(DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES, Dalian, China)

## Oral Communications

### Full Evaporation Headspace Gas Chromatography for Analysis of High Boiling Organic Compounds

Erwin ADAMS  
(KULEUVEN, Leuven, Belgium)

### Determination of Drug-Albumin Binding Modes by Induced CD Spectroscopy and TD-DFT Calculations

Carlo BERTUCCI  
(UNIVERSITY OF BOLOGNA, Bologna, Italy)

### Antibody-Free Bioanalysis of Proteins and Peptides in Complex Body Fluids at The PM Level By LC-MS/MS



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

### Highly Enantioselective Mip-Based Porous Ultra-Thin Film in The Fabrication of an Electrochemical Sensor for the Chiral Analysis of beta-Blockers

Ede BODOKI  
("IULIU HATIEGANU" UNIVERSITY OF MEDICINE AND PHARMACY, Cluj-Napoca, Romania)

### Surface Acoustic Wave Biosensor as an Analytical Tool in Pharmaceuticals: A Quality by Design Approach

Nathalie BRACKE  
(GHENT UNIVERSITY, Ghent, Belgium)

### Supporting Analytical Quality by Design with Informatics - A Silent Enabler

Dan CHAPMAN  
(WATERS CORPORATION, Elstree, Herts, United Kingdom)

### Cell Culture Monitoring by Near Infrared Spectroscopy

## Confirmed Speakers

Matthieu CLAVAUD  
(?F. HOFFMANN - LA ROCHE LTD, ?Kaiseraugst, Switzerland)

### **Validation of the Analytical Procedure for the Determination of the Underivatized Neurotoxin Beta-N-Methylamino-L-Alanine by LC/MS-MS in Environmental Samples and in Human Brain**

Audrey COMBES  
(ESPCI, Paris, France)

### **Synthesis and Degradation Impurities in Peptide Drugs**

Matthias D'HONDT  
(UGENT, Gent, Belgium)

### **Development of a Multiplexed Surface-Enhanced Raman Scattering Quantitative Approach for Bisphenol Detection**

Charlotte DE BLEYE  
(ULG, Liege, Belgium)

### **Capillary Electrophoresis - Mass Spectrometry for Characterization of Protein Drugs and Determination of Protein-Protein Interactions**

Gerhardus J. DE JONG  
(UTRECHT UNIVERSITY, Utrecht, The Netherlands)

### **NMR in the Pharmaceutical and Biomedical Areas for Identification and Quantification of Drugs and Metabolomic Applications**

Pascal DE TULLIO  
(ULG, Liege, Belgium)

### **Residual Solvents: A Potential Threat Present In Counterfeit Medicines**

Eric DECONINCK  
(WIV-ISP, Brussel, Belgium)

### **In-Line Mammalian Cells Culture Monitoring: Comparison of Predictive Performances Offered by NIR and Raman Spectroscopies**

David DIDION  
(UMONS, Mons, Belgium)

### **Quantitative Performances of UHPSFC AND UHPLC: A Comparative Study**

Amandine DISPAS  
(ULG, LIEGE, Belgium)

### **LC-SPE-NMR Identification and NMR Quantification of Salvia Fruticosa Phytochemicals with Antifungal Activity**

Vasiliki EXARCHOU  
(UNIVERSITY OF ANTWERP, Antwerp, Belgium)

### **Mass Spectrometric Approach for the Characterization of Inhibitors of Amyloid Aggregation Process**

Jessica FIORI  
(UNIVERSITY OF BOLOGNA, Bologna, Italy)

### **Parallel Artificial Liquid Membrane Extraction (Palme) – An Innovative Implementation of Supported Liquid Membrane Extractions into a Multiwell Plate**

Astrid GJELSTAD  
(UNIVERSITY OF OSLO, Oslo, Norway)

### **Preparation of Molecularly Imprinted Polymers for Hydrophilic Compounds by Modified Precipitation Polymerization**

Jun HAGINAKA  
(MUKOGAWA WOMEN'S UNIVERSITY, Hyogo, Japan)

## Confirmed Speakers

### **Immunoaffinity + LC-MS/MS: An Alternative Approach for Antibody Selectivity Evaluation?**

Trine G. HALVORSEN  
(UNIVERSITY OF OSLO, Oslo, Norway)

### **In-Depth Glycan Analysis of the Biotherapeutic Enbrel (Etanercept) Using HILIC UPLC/FLR and Mass Spectrometry**

Mark HILLIARD  
(NATIONAL INSTITUTE FOR BIOPROCESSING RESEARCH & TRAINING, Blackrock, Ireland)

### **Quantitation of Hepcidin in Dried Blood Spots by Microfluidic LC-CHIP/MS-MS**

Virginie HOUBART  
(ULG, Liège, Belgium)

### **HPLC Chiral Separation of N-Fluorenylmetoxycarbonyl Alpha-Amino Acids Using Polysaccharide Based Chiral Stationary Phase**

Marc JACOB  
(PHENOMENEX, Torrance, United States)

### **Functionalized Polymeric Monolithic Columns in Micro-Hplc for Pharmaceutical Analysis**

Zhengjin JIANG  
(JINAN UNIVERSITY, Guangzhou, China)

### **Microflow LC-MS/MS of Human Osteopontin Using an Extended Peptide Internal Standard to Track Digestion and Immunocapture Variability**

Thomas KARNES  
(VIRGINIA COMMONWEALTH UNIVERSITY, Richmond, Virginia, United States)

### **The Medium-Throughput Determination of Hydrophobicity and Dissociation Constant by LC-MS**

Lukasz KUBIK  
(MEDICAL UNIVERSITY OF GDANSK, Gdansk, Poland)

### **Expanding the Role of Capillary Electrophoresis with Mass Spectrometry Detection (CESI-MS) for the Development, Characterization & Control of Biologics**

Stephen LOCK  
(AB SCIEX, Warrington, United Kingdom)

### **In Vivo Monitoring of Neuropeptides In the Rat Hippocampus Using Nano UPLC-ESI-MS/MS**

Katrien MAES  
(VRIJE UNIVERSITEIT BRUSSEL, Jette, Belgium)

### **Definition of a Generic Chiral Separation Strategy on Polysaccharide-Based Chiral Stationary Phases in Supercritical Fluid Chromatography**

Debby MANGELINGS  
(VRIJE UNIVERSITEIT BRUSSEL, Brussels, Belgium)

### **Determination of the Enantiomeric Ratio of Drugs Using New SFC-MS/MS Instruments**

Maria Kristina PARR  
(FREE UNIVERSITY BERLIN, Berlin, Germany)

### **Development of Analytical Methodology to Support a QBD Approach to Formulation Design: A Case Study**

Emma QUIRK  
(BRISTOL-MYERS SQUIBB, Wirral, United Kingdom)

### **Sheathless Capillary Electrophoresis-Mass Spectrometry: An Enabling Technology for Small-Volume Metabolomics Studies**

Rawi RAMAUTAR  
(LEIDEN UNIVERSITY, Leiden, The Netherlands)

## Confirmed Speakers

### **Gas Pressure Assisted Micro-Liquid-Liquid-Extraction-nanoESI-DI-MS: A New Fully-Automated Platform for Bionalysis**

Robert-Jan RATERINK  
(LEIDEN UNIVERSITY, Leiden, The Netherlands)

### **In-Vitro Phenotyping for Toxicological Purposes: New Insights with the Cocktail Approach**

Serge RUDAZ  
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

### **Development of Highly Selective LC/MS Assay for Vitamin D Metabolites**

Gwenael SCOLAN  
(SIGMA-ALDRICH, Poole, United Kingdom)

Anders FRIDSTROM  
(SIGMA-ALDRICH, St Gallen , Switzerland)

### **Study of Virus-Like Particles of Human Papillomavirus (HPV-VLP) by Capillary Electrophoresis**

Anne-Catherine SERVAIS  
(ULG, Liege, Belgium)

### **Why Capillary Electrophoresis is an Ideal Tool for Drug Screening**

Myriam TAVERNA  
(UNIVERSITE PARIS SUD, Chatenay Malabry, France)

### **Possibilities of Retention Modeling for HILIC and SFC Separations**

Eva TYTECA  
(VRIJE UNIVERSITEIT BRUSSEL, Elsene, Belgium)

### **Hyphenated Techniques for the Bioanalytical Study of Enzymes**

Ann VAN SCHEPDAEL  
(KULEUVEN, Leuven, Belgium)

### **Investigations of Metalloproteins and their Interactions by Affinity Capillary Electrophoresis (ACE)**

Hermann WÄTZIG  
(TECHNICAL UNIVERSITY BRAUNSCHWEIG, Braunschweig, Germany)