

## Confirmed Speakers

### Keynote lectures

#### KL02 - On the Advantage of Ordered Chromatographic Media



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

#### KL03 - Computational Fluid Dynamics to Understand Process Chromatography



Alois JUNGBAUER  
(UNIVERSITY OF NATURAL RESOURCES AND LIFE SCIENCES, Vienna, Austria)

#### KL07 - Efficient Simulation and Control of Chromatographic Processes



Achim KIENLE  
(OTTO VON GUERICKE UNIVERSITY MAGDEBURG, Magdeburg, Germany)

#### KL06 - Accessing Nature's Chemical Diversity for Drug Discovery



Philipp KRASTEL  
(NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, Basel, Switzerland)

#### KL04 - Synthetic Peptide Manufacturing: Downstream Challenges and Innovations



Olivier LUDEMANN-HOMBOURGER  
(POLYPEPTIDE LABORATORIES FRANCE, Strasbourg, France)

#### KL05 - SFC-MS in Drug Discovery: The Technology Shaping Tomorrow's Innovation



Gerard ROSSE  
(DART NEUROSCIENCE, San Diego, United States)

#### KL01 - A New View on Surface Diffusion from Molecular Dynamics Simulations of Solute Mobility at Chromatographic Interfaces



Ulrich TALLAREK  
(PHILIPPS-UNIVERSITÄT MARBURG, Marburg, Germany)

### Oral Communications

#### OC02 - How Continuous Chromatography Moved from Craftwork to Industry. A Tribute to Passion and Creativity.

(AM-PHARMA)

#### OC17 - Scalability of Mini-Columns in Protein Chromatography

## Confirmed Speakers



Dorota ANTOS  
(RZESZOW UNIVERSITY OF TECHNOLOGY, Rzeszow, Poland)

### OC33 - Optimization of Processes Combining Chemistry & Purification - Strategies & Case Studies



Jérôme BONI  
(NOVASEP, Chasse-sur-Rhone, France)

### OC19 - Cost Effective Peptide Purification via ZEOsphere DRP Mixed-Mode Chromatography



Alessandro BUTTE  
(ETH ZURICH, Zurich, Switzerland)

### OC35 - Model-Based Quality by Design: Challenges, Pitfalls and Best Practices



Maria CASALS PERAVAREZ  
(GOSILICO, Karlsruhe, Germany)

### OC11 - Design and Optimization of a Continuous Separation of Tartronic and Glyceric Acids by Simulated Moving Bed



Lucas COELHO  
(UNIVERSITY OF PORTO, Porto, Portugal)

&  
(FEDERAL UNIVERSITY OF PERNAMBUCO, Recife, Brazil)

### OC16 - Hybrid Optimisation of Preparative Chromatography for a Difficult and Realistic Ternary Protein Mixture



Vivien FISCHER  
(UNIVERSITY COLLEGE LONDON / GLAXOSMITHKLINE, Stevenage, United Kingdom)

### OC25 - Studies on Robustness of SFC: Examples from Chiral and Peptide Separations



Torgny FORNSTEDT  
(KARLSTAD UNIVERSITY, Karlstad, Sweden)

### OC05 - Interplay of Mathematics and Physics of 3D Printing for Chromatography



Carlos GRANDE  
(SINTEF, Oslo, Norway)

### OC30 - Water on Hydrophobic Surfaces - Mechanistic Modeling of Polyethylene Glycol-Induced Protein Precipitation

## Confirmed Speakers



Steffen GROSSHANS  
(KARLSRUHE INSTITUTE OF TECHNOLOGY (KIT), Karlsruhe, Germany)

### **OC28 - Chromatographic Recovery of Hydroxy Acids, Lignin, and Pulping Chemicals from Spent Alkaline Pulping Liquors**



Jari HEINONEN  
(LAPPEENRANTA UNIVERSITY OF TECHNOLOGY, Lappeenranta, Finland)

### **OC24 - Alternative Approaches in Preparative Chromatography for Purifying Lipophilic Compounds and the Elimination of Chlorinated Solvents**



Markus JUZA  
(CORDEN PHARMA SWITZERLAND, Liestal, Switzerland)

### **OC23 - Temperature Dependence of Antibody Adsorption in Protein A Affinity Chromatography**



Walpurga KREPPER  
(UNIVERSITY OF NATURAL RESOURCES AND LIFE SCIENCES, Vienna, Austria)

### **OC31 - Membrane Based Separation of Aqueous Two-Phase Systems for the Purification of Monoclonal Antibodies**



Thomas KRUSE  
(SARTORIUS STEDIM BIOTECH & CLAUSTHAL UNIVERSITY OF TECHNOLOGY, Göttingen, Germany)

### **OC14 - Model Predictive Control of 4-Zone Simulated Moving Bed Chromatography for the Separation of Bicalutamide Enantiomers: Experimental Validation**



Ju Weon LEE  
(MAX-PLANCK-INSTITUTE FOR DYNAMICS OF COMPLEX TECHNICAL SYSTEMS, Magdeburg, Germany)

### **OC29 - Visualization and Quantification of Protein Bind and Elute Processes to the IEX Hydrogel of a Membrane Adsorber**



Adrian LEY  
(SARTORIUS STEDIM BIOTECH GMBH / INSTITUTE OF PHYSICAL CHEMISTRY, GEORG-AUGUST UNIVERSITY GOETTINGEN, Goettingen, Germany)

### **OC13 - Inxiotech - This Disruptive Technology Allows for the Resolution of Multicomponent Mixtures in a Serial Continuous Process**



Alexandre MACIUK  
(UNIVERSITÉ PARIS-SUD, Chatenay-Malabry, France)

&  
(FAUQUET INNOVATION, Montmagny, France)

## Confirmed Speakers

### **OC34 - Continuous Centrifugal Partition Chromatography: Using a Mass Transfer Model for Process Optimization and Various Mode Comparison**



Luc MARCHAL  
(UNIVERSITÉ DE NANTES, Saint Nazaire, France)

### **OC27 - Development of a Chromatographic Based Purification Strategy for Artemisinin from Artemisia Annua L. Extract**

Fabian MESTMÄCKER  
(CLAUSTHAL UNIVERSITY OF TECHNOLOGY, Clausthal-Zellerfeld, Germany)

### **OC04 - Centrifugal Partition Chromatography: new Possibilities with a Liquid Stationary Phase**



Mirjana MINCEVA  
(TECHNICAL UNIVERSITY OF MUNICH, Freising, Germany)

### **OC15 - Evaluation of Continuous Purification of Therapeutic Extracellular Vesicles**



Mafalda MOLEIRINHO  
(INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLÓGICA, Oeiras, Portugal)

### **OC26 - Operating Mode Selection for Ternary Separations with Liquid-Liquid Chromatography**



Raena MORLEY  
(TECHNICAL UNIVERSITY OF MUNICH, Freising, Germany)

### **OC08 - When Adsorption Models or Intuition Fail at Describing Ion-Exchange Chromatography**



Hector OSUNA  
(YPSO-FACTO, Nancy, France)

### **OC09 - Improvement of Multicapillary Packing Efficiency by Diffusional Bridging: A Theoretical and Dynamic Simulation Study**



Francois PARMENTIER  
(SEPARATIVE, Solaize, France)

### **OC03 - Modified Inorganic Sorbents for the Fast and Efficient Separation of Biomolecules**



Benjamin PETERS  
(MERCK KGAA, Darmstadt, Germany)

### **OC12 - Strategies for the Global Multicomponent Separation of Nadolol Stereoisomers by Chiral and Achiral Fixed-Bed and Simulated Moving Bed Chromatography**



António E. RIBEIRO  
(POLYTECHNIC INSTITUTE OF BRAGANÇA, Braganca, Portugal)

## Confirmed Speakers

### **OC06 - New Adsorptive Technology and its Use Within Purification Platform for Antibody-Process Related Impurities Removal**



Fabien ROUSSET  
(CHIRAL TECHNOLOGIES, Illkirch, France)

### **OC10 - Chromatographic Separations with Focusing of Both the Weak and the Strong Component**



Tuomo SAINIO  
(LAPPEENRANTA UNIVERSITY OF TECHNOLOGY, Lappeenranta, Finland)

### **OC18 - Process Analysis for Preparative Protein Chromatography Using In-Line Attenuated Total Reflection Fourier Transform Infrared Spectroscopy**



Adrian SANDEN  
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

### **OC32 - Automatic Determination of Optimum Operating Concepts and Process Variables for Multi-Component Separations**



Johannes SCHMÖLDER  
(FRIEDRICH-ALEXANDER-UNIVERSITÄT ERLANGEN-NÜRNBERG, Erlangen, Germany)

### **OC01 - Measurement, Description and Consistent Application of Adsorption Equilibria**



Andreas SEIDEL-MORGENSTERN  
(MAX PLANCK INSTITUTE FOR DYNAMICS OF COMPLEX TECHNICAL SYSTEMS, Magdeburg, Germany)

### **OC07 - A New Cation Exchange Resin Designed for the Removal of Monoclonal Antibody Aggregates Using Flow-Through Frontal Chromatography**



Romas SKUDAS  
(MERCK KGAA, Darmstadt, Germany)

### **OC22 - Continuous Conjugation of Antibodies By rMCSGP**



Nicole ULMER  
(ETH ZURICH, Zurich, Switzerland)

### **OC21 - Antibody Aggregate Removal Using Frontal Chromatography: Performance Comparison Between Column and Membrane Adsorber**



Sebastian VOGG  
(ETH ZURICH, Zürich, Switzerland)

### **OC20 - Continuous Biomanufacturing- Platform Alternatives for Antibody Production**

## Confirmed Speakers

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Steffen ZOBEL-ROOS  
(CLAUSTHAL UNIVERSITY OF TECHNOLOGY, Clausthal-Zellerfeld, Germany)