

## Confirmed Speakers

### Invited Speakers

#### Keynote Lecture

#### Industrial Preparative HPLC for Production of API Including Most Common Unit Operations; Membrane Operations, Evaporation, Crystallization



Roman BURJA  
(LEK PHARMACEUTICALS D.D., Menges, Slovenia)

#### Keynote Lecture

#### Continuous Processing by CCC/CPC: Where to Plug and How to Play When Everything is Fluid



Svetlana IGNATOVA  
(BRUNEL UNIVERSITY, Uxbridge, United Kingdom)

#### Keynote Lecture

#### Multi-Column Chromatography: Challenges and Opportunities



Yoshiaki KAWAJIRI  
(GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, United States)

#### Keynote Lecture

#### Peptide Purification: State-of-the-Art and Challenges



Thomas MEIER  
(BACHEM AG, Bubendorf, Switzerland)

#### Keynote Lecture

#### Pharmaceutical Small Molecule Purification: Where Are We and Where Do We Need to Be?



Larry MILLER  
(AMGEN, Thousand Oaks, United States)

#### Keynote Lecture

#### Chromatographer: What Could Modeling Do for You?



Roger-Marc NICOUD  
(FOUNDER AND FORMER CEO NOVASEP, CONSULTANT, Nancy, France)

#### Keynote Lecture

#### Chromatography and Crystallization: Good Partners in Separating Enantiomers



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

### Oral Communications

#### Highly Active Small Molecules and Peptides: Intrinsic Reduction of Risks by the Use of Preparative Chromatography and Flow Technologies

## Confirmed Speakers

Ulf ALTENHOENER  
(LONZA AG, Aarau, Switzerland)

### **Modeling and Optimization of the Twin Column Capture SMB Process**

Daniel BAUR  
(ETH ZÜRICH, Zurich, Switzerland)

### **Overcoming Challenges in the Industrial Production of OMEGA-3S**

Jean BLEHAUT  
(NOVASEP GROUP, Pompey, France)

### **Advances in Model-Based Inline Peak Deconvolution: Process-Data-Based Model Calibration and Real-Time Pooling Decisions**

Nina BRESTRICH  
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

### **Peptide Purification Via Ion-Exchange Doped Reversed Phase Chromatography: a Combined Experimental and Modeling Approach**

Gianluca BUFFOLINO  
(ZEOCHEM AG, Uetikon am See, Switzerland)

### **Extraction-Injection: an Alternative Sample Introduction Method for SFC**

Geoffroy COX  
(PIC SOLUTION, Media, United States)

### **Implementation of Continuous Chromatography Under cGMP for the Pharmaceutical Industry**

Olivier DAPREMONT  
(AMPAC FINE CHEMICALS, Rancho Cordova, United States)

### **HTS Chromatographic Platforms: Small is Beautiful**

David DELVAILLE  
(MERCKSERONO, Martillac, France)

### **Methodology for Scale-Up in Countercurrent Chromatography**

Karine FAURE  
(INSTITUT DES SCIENCES ANALYTIQUES, Villeurbanne, France)

### **Modelling and Simulation of the Purification of Cell Culture-Derived Influenza Virus Via Continuous Size Exclusion Chromatography**

Laura M. FISCHER  
(MAX PLANCK INSTITUTE FOR DYNAMICS OF COMPLEX TECHNICAL SYSTEMS, Magdeburg, Germany)

### **Reliable Scale-Up from Analytical to Large Scale Instrumentation in Chiral Supercritical Fluid Chromatography**



Torgny FORNSTEDT  
(KARLSTAD UNIVERSITY, Karlstad, Sweden)

### **Preparative Chiral Chromatography. Summa Chiralogica**



Pilar FRANCO  
(CHIRAL TECHNOLOGIES EUROPE, Illkirch, France)

### **Continuous Manufacturing in Biopharmaceutical Industries**

## Confirmed Speakers

Holger FROEHLICH  
(CLAUSTHAL UNIVERSITY OF TECHNOLOGY, Clausthal-Zellerfeld, Germany)

### Implementation of Model-Based Approach for Chromatography Development

Bertrand GUELAT  
(NOVARTIS PHARMA AG, Basel, Switzerland)

### pH Zone Refining in Centrifugal Partition Extraction. A Step Change in Productivity for Liquid-Liquid Chromatography Processes?

Paul HELLIER  
(INSTITUT DE RECHERCHE PIERRE FABRE, GAILLAC, France)

### A New Dynamic Fractionation Method and Column Design for Size Separation of Bio-Polymer Particles

Peter HEWITSON  
(BRUNEL INSTITUTE FOR BIOENGINEERING, Uxbridge, United Kingdom)

### Three Column Intermittent Simulated Moving BED (3C-ISMB) Chromatography: Cascade Operation for Center-Cut Separations

Simon JERMANN  
(ETH ZÜRICH, Zurich, Switzerland)

### Design of an Agarose Based Platform for Large Scale Chromatography

Hans JOHANSSON  
(PUROLITE, Uppsala, Sweden)

### Integration of Continuous Precipitation and Flow Through Chromatography with Monoliths for Purification of Recombinant Antibodies



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

### Optimizing the Separation of MAB Charge Variants Using Model-Based Approaches

Rushd KHALAF  
(ETH ZÜRICH, Zurich, Switzerland)

### Purification of an Intermediately Eluting Component from a Complex Mixture

Kiara KOCHENDOERFER  
(BASF SE, Ludwigshafen, Germany)

### Separation of Lignans by Supercritical Fluid Simulated Moving BED

Ming-Tsai LIANG  
(I-SHOU UNIVERSITY, Kaohsiung, Taiwan)

### Implementing Integrated Continuous Downstream Processing

Kathleen MIHLBACHLER  
(LEWA GMBH, Leonberg, Germany)

### From Molecule to Process: Model-Based Design of Continuous Centrifugal Partition Chromatography



Mirjana MINCEVA  
(TECHNISCHE UNIVERSITÄT MÜNCHEN, Freising, Germany)

### Purification of Antibody Conjugates by MCSGP Chromatography

Thomas MÜLLER-SPÄTH  
(CHROMACON AG, Zurich, Switzerland)

## Confirmed Speakers

### Modelling and Optimization of Preparative Chromatography Separation of Rare Earth Elements



Bernt NILSSON  
(LUND UNIVERSITY, Lund, Sweden)

### High Yield Protein Refolding by Integrating Single-Column Chromatography and Membrane Filtration

Sebastian NIMMIG  
(FRIEDRICH-ALEXANDER-UNIVERSITY, Hanau, Germany)

### Hardware Solutions Enabling Continuous Biomanufacturing

Roger NORDBERG  
(GE HEALTHCARE, Uppsala, Sweden)

### Integrated Reaction/Separation Process for High-Yield Pegylation

David PFISTER  
(ETH ZÜRICH, Zürich, Switzerland)

### Unified Design of Chromatographic Separation Processes



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

### Implementation of a Negative Mode Platform for Virus Purification



Ricardo SILVA  
(IBET - INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLÓGICA, Oeiras, Portugal)

### Saturation Capacity for Proteins in Ion Exchange Chromatography



Fabian STEINEBACH  
(ETH ZÜRICH, Zurich, Switzerland)

### Scale-Up in Supercritical Fluid Chromatography

Abhijit TARAFDER  
(WATERS CORPORATION, Boston, United States)

### Continuous Processing of Self-Cleaving Fusion Proteins by Matrix-Assisted Refolding Separation Using SMB Size Exclusion Chromatography with Buffer Recycling

Martin WELLMHÖFER  
(CELONIC AG, Basel, Switzerland)

### Integrated Counter Current Chromatography (ICCC) - From SMB to a Fully Integrated Process



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

## Workshops

### From Development to Commercial Scale: Rules to Scale up, QbD, Regulatory, Process Validation

## Confirmed Speakers



Alessandro BUTTE  
(ETH ZURICH, Zurich, Switzerland)

### Process Design for Purification of Biomolecules



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

### Multicolumn Processes: From Historical SMB to the Latest Advances in the Purification of Biomolecules



Arvind RAJENDRAN  
(UNIVERSITY OF ALBERTA, Edmonton, AB, Canada)

### Preparative HPLC: Phase Screening, Method Optimisation, Process Development. Troubleshooting a Preparative Chromatographic Device

Michael SCHULTE  
(MERCK KGAA, Darmstadt, Germany)

### Process Design for Purification of Small Molecules and Peptides

Jochen STRUBE  
(CLAUSTHAL UNIVERSITY OF TECHNOLOGY, Clausthal-Zellerfeld, Germany)

### Solving a Purification Process: Choice of the Appropriate Process (Centrifugal Partition Chromatography vs Countercurrent Chromatography, Batch vs Continuous, Low Pressure vs High Pressure, Liquid vs SFC)

Eric VALERY  
(NOVASEP, Pompey, France)