

## Confirmed Speakers

### Keynote Speakers (to date)

#### KL05 - Understanding Protein Unfolding and Aggregation in Cation Exchange and Protein A Chromatography Columns



Giorgio CARTA  
(UNIVERSITY OF VIRGINIA, Charlottesville, United States)

#### KL07 - The Effect of Column Heterogeneity and Column Structure on the Accuracy of Overloading Studies



Attila FELINGER  
(UNIVERSITY OF PECS, Pécs, Hungary)

#### KL02 - What Can We Learn from Art in the Better Design of Production Equipment for Biopharmaceuticals?



Martin HOFMANN  
(BIOTECHFLOW, Stroud, Glos, United Kingdom)

#### KL03 - Design and Control of Continuous Downstream Processing for Cost Efficient Manufacturing of Biopharmaceuticals



Oliver KALTENBRUNNER  
(AMGEN INC., Thousand Oaks, United States)

#### KL01 - Current Innovation Challenges in the Development of non-Mab Biotherapeutics



Georg KLIMA  
(BOEHRINGER INGELHEIM, Vienna, Austria)

#### KL04 - Continuous Purification Platforms for Viral Vectors Based on Multicolumn Simulated Countercurrent Chromatography



José Paulo MOTA  
(UNIVERSIDADE NOVA DE LISBOA, Caparica, Portugal)

#### KL06 - Strategies for Improving the Productivity of Chromatography of Proteins



Shuichi YAMAMOTO  
(YAMAGUCHI UNIVERSITY, Ube, Japan)

### Oral Communication

#### OC15 - Effect of Isotherm Nonlinearity on the Retention Behaviour of Proteins in Hydrophobic Interaction and Multimodal Chromatography

## Confirmed Speakers



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

### OC30 - Ionic Liquid-Liquid Chromatography (ILLC)



Martyn EARLE  
(QUILL RESEARCH CENTRE, Belfast, United Kingdom)

### OC32 - Tuning of Peak Deformations, Due to Co-Solvent Adsorption, in Preparative Supercritical Fluid Chromatography



Torgny FORNSTEDT  
(KARLSTAD UNIVERSITY, Karlstad, Sweden)

### OC04 - Application of Expanded Bed to the Production of Industrial Enzymes



Esteban FREYDELL  
(DSM , Delft, The Netherlands)

### OC22- Influence of Mixed Electrolytes and PH on HIC-Adsorption and Partial Molar Volume of Proteins



Eva HACKEMANN  
(TU KAISERSLAUTERN, Kaiserslautern, Germany)

### OC21 - Optimization of Primary Recovery and Downstream Processing for Protein Purification from E. Coli Homogenates



Rainer HAHN  
(BOKU VIENNA, Vienna, Austria)

### OC26 - A Method for Designing Flow-Through Chromatography Processes



Sumiko HASEGAWA  
(YAMAGUCHI UNIVERSITY, Ube, Japan)

### OC09 - Scalability of Mechanistic Models for Ion Exchange Chromatography under Highly Overloaded Conditions



Thiemo HUUK  
(KARLSRUHE INSTITUTE OF TECHNOLOGY (KIT), GOSILICO, Karlsruhe, Germany)

### OC25 - Concurrent Modeling and Design Approach for Development of Multi-Component Simulated Moving Bed Processes

## Confirmed Speakers



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

### OC16 - SMB Separation of Peptides

Joachim KINKEL  
(GEORG-SIMON-OHM UNIVERSITY OF APPLIED SCIENCES, Nuernberg, Germany)

### OC24 - Model Predictive Control of 4-Zone Simulated Moving Bed Chromatography for the Separation of Bicalutamide Enantiomers



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

### OC13 - Preparative Separation and Characterization of Charge Variants of Several Blockbuster Antibody Therapeutics



Nico LINGG  
(UNIVERSITY OF NATURAL RESOURCES AND LIFE SCIENCES, VIENNA, Vienna, Austria)

### OC31 - Ion Exclusion Chromatography: Model Development and Experimental Results



Gabriele LODI  
(POLITECNICO DI MILANO, Casteggio, Italy)

### OC05 - Some Insights in Centrifugal Partition Chromatography Engineering - Application to Alkaloids Separation at Production Scale



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

### OC01 - Viscous Fingering Dynamics in Preparative Liquid Chromatography



Michel MARTIN  
(ECOLE SUPÉRIEURE DE PHYSIQUE ET CHIMIE/CNRS/PMMH, Paris, France)

### OC19 - Pore Diffusion Coefficients of Proteins in Multicomponent Mixtures



Alexander MATLSCHWEIGER  
(BOKU VIENNA, Vienna, Austria)

### OC28 - Integrated Counter Current Chromatography (iCCC) - A Platform Alternative for a Protein a Free mAB and SCFV Downstream



Fabian MESTMÄCKER  
(TU-CLAUSTHAL, Clausthal-Zellerfeld, Germany)

## Confirmed Speakers

### **OC36 - Liquid-Liquid Chromatographic Separation of Natural Compounds Using Biphasic Systems Containing Deep Eutectic Solvents: Experimental and Computational Studies**



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

### **OC34 - Model-Based Design of Preparative Binary and Ternary Separations with Liquid-Liquid Chromatography**



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

### **OC07 - Investigation and Development of Preparative Recycling Size Exclusion Chromatography**



Kathleen MUELLER  
(FRIEDRICH-ALEXANDER UNIVERSITÄT ERLANGEN-NÜRNBERG, Erlangen, Germany)

### **OC14 - Polyvalent Buffers in Ion Exchange Chromatography Using Salt Tolerant Resins**



Egbert MÜLLER  
(TOSOH BIOSCIENCE GMBH, Darmstadt, Germany)

### **OC10 - When Scaling-Up Chromatography is not Trivial**



Roger-Marc NICOUD  
(YPSO-FACTO, Nancy, France)

### **OC17 - General Gradients for Preparative Protein Chromatography**



Bernt NILSSON  
(LUND UNIVERSITY, Lund, Sweden)

### **OC29 - Experimental Analysis and Theoretical Description of Multiphase Flow in the Context of Liquid Chromatography**



Franziska ORTNER  
(ETH ZURICH, Zurich, Switzerland)

### **OC20 - Improving Washing Strategies of Human Mesenchymal Stem Cells Using Negative Mode Expanded Bed Chromatography**



Cristina PEIXOTO  
(IBET, Oeiras, Portugal)

### **OC02 - Computational Fluid Dynamics Study of Viscous Fingering in Supercritical Fluid Chromatography**

## Confirmed Speakers



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

### OC33 - Separation of a Quaternary Chiral Mixture Using Different Simulated Moving Bed Strategies



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

### OC18 - PAT for Preparative Chromatography of Proteins: Real-Time Monitoring of a Capture and Polishing Step



Matthias RÜDT  
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

### OC03 - Unified Design of Chromatographic Separation Processes



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

### OC06 - Simultaneous Optimization of Chromatographic Process Configuration and Operating Conditions



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

### OC08 - Modelling Scale-Up of Preparative Chromatography Columns Taking into Account Extra Column Effects and Variations of Packing Quality



Susanne SCHWEIGER  
(AUSTRIAN CENTRE OF INDUSTRIAL BIOTECHNOLOGY, Vienna, Austria)

### OC35 - Applying the Ideal Adsorbed Solution Theory to Describe Elution Profiles in Case of Complex Single Component Isotherms



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

### OC23 - Negative and Positive Multi-Column Chromatographic Strategies for the Purification of Enveloped Virus-Like Particles



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

### OC11 - Development of a Continuous Downstream Cascade for the End-to-End Integrated Manufacture of Monoclonal Antibodies

## Confirmed Speakers

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Fabian STEINEBACH  
(ETH ZÜRICH, Zurich, Switzerland)

### **OC12 - Continuous Integrated Antibody Digestion and Purification**



Nicole ULMER  
(ETH ZURICH, Zurich, Switzerland)

### **OC27 - Simulated Periodic Counter-Current Chromatography (SPCCC) - A Scale-Down Model for Multicolumn Continuous Chromatography Process Development**



Gang WANG  
(KARLSRUHE INSTITUTE OF TECHNOLOGY (KIT), Karlsruhe, Germany)