SPICA 2016

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
(REQUIMTE/CQFB, FFCT, Caparica, Portugal)

KL06 - Strategies for Improving the Productivity of Chromatography or Proteins



Shuichi YAMAMOTO
(YAMAGUCHI UNIVERSITY, Ube, Japan)

Oral Communication

OC10 - When Scaling-Up Chromatography is not Trivial

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 Downsteam 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 TECHINCAL 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
(CLAUSTHAL UNIVERSITY OF TECHNOLOGY, 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)

OC17 - General Gradients for Preparative Protein Chomatography



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



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

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

Confirmed Speakers



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

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



Fabian STEINEBACH
(ETH ZÜRICH, Zurich, Switzerland)

OC12 - Continuous Integrated Antibody Digestion and Purification

Confirmed Speakers



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)