

Confirmed Speakers

Keynote Lectures

Measurement of Separation Materials to Enable Mechanistic Modelling and Rational Design (KL01)



Prof. Dan BRACEWELL
(UNIVERSITY COLLEGE LONDON, London, United Kingdom)

Proteins at Chromatographic Surfaces – Competitive Binding and On-column Aggregate Formation on Monomodal and Multimodal Anion Exchangers (KL02)



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

Process Scale MCSGP Purification of large Synthetic Molecules (KL03)



Dr Ralf EISENHUTH
(BACHEM, Bubendorf, Switzerland)

The Evolution of Chromatographic Processes for Small Molecules Between Research and Production of APIs (KL04)



Dr Gunnar GARKE
(BAYER AG, Wuppertal, Germany)

Automation and Digitalization in the Manufacturing of Therapeutic Proteins (KL06)



Prof. Massimo MORBIDELLI
(POLITECNICO MILANO, Thessaloniki, Greece)

Cyclic Adsorption Processes. What else? (KL07)



Prof. Alirio RODRIGUES
(UNIVERSITY OF PORTO, Porto, Portugal)

What is the Right Level of Purity? Benefits of Overpurifying and Underpurifying in Chromatography (KL08)



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

Invited Lectures

The Thar Process Journey Regarding Green Chemistry Application Using Supercritical Carbon Dioxide (IL10)



Dr Lalit CHORDIA
(THAR PROCESS INC., Pittsburgh, United States)

Confirmed Speakers

Protein Purification Using Magnetic Adsorbents and Magnetic Separation - a Robust Alternative to Conventional Chromatography? (IL02)



Prof. Mathias FRANZREB
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

Exploring Enhanced Selectivity of Mixed Mode Cation Exchange Resins in Bispecific and Complex Immunoglobulin Purification (IL08)



Mr Wolfgang KOEHNLEIN
(F. HOFFMANN-LA ROCHE, Penzberg, Germany)

Large Scale SFC to Enable Delivery of Candidate Drugs; Cost Savings, Sustainability and Fundamental Learnings (IL04)



Dr Hanna LEEK
(ASTRAZENECA R&D, Mölndal, Sweden)

Models in the SMB and SMBR Process Development (IL01)



Dr Damien LEINEKUGEL LE COCQ
(IFP ENERGIES NOUVELLES, Solaize, France)

Strategies and Emerging Technologies for Downstream Purification (IL06)



Dr Gunnar MALMQUIST
(CYTIVA, Uppsala, Sweden)

Making Affinity Chromatography an Integral Part of Vaccine Development and Manufacturing (IL03)



Dr Mikkel NISSUM
(GSK, Siena, Italy)

Chromatography in Colour – Application of Processes Chromatography to the Efficient Recycling of Critical Metals (IL07)



Dr Paul O'SHAUGHNESSY
(JOHNSON MATTHEY, Oxfordshire, United Kingdom)

Progress and Trends of Virus Based Biopharmaceuticals Purification (IL11)



Dr Cristina PEIXOTO
(IBET, Oeiras, Portugal)

The Role of CO₂ Separation (SFC) in the Eco-Sustainable Production of APIs and Hemp Ingredients (IL09)

Confirmed Speakers



Dr Gerard ROSSE
(PIC SOLUTION, San Diego, United States)

Preparative Separation by Chromatography from Laboratory to Industrial Scale in a Pharmaceutical Environment Applied to Small Molecules (IL05)



Dr Antoni SEVERINO
(UCB, Braine-l'Alleud, Belgium)

Oral Communications

Coupling Preferential Precipitation and IEX for Reducing Acidic Variant Content in Monoclonal Antibody Pools (OC04)



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

Fixed-Bed and Simulated Moving Bed Chromatography Using Achiral and Chiral Adsorbents for the Complete Preparative Separation of a Quaternary Mixture (OC07)



Mr Rami ARAFAH
(POLYTECHNIC INSTITUTE OF BRAGANÇA, Braganca, Portugal)

Industrial Application of Supercritical Fluid Simulated Moving Bed in the Separation of N-3 Pufa from Fish Oil (OC17)



Ms Xiaoqing BAO
(JOPE TECHNOLOGY CO., LTD , Kaohsiung, Taiwan)

Hybrid Models for the Simulation and Prediction of Chromatographic Processes (OC12)



Dr Alessandro BUTTE
(DATAHOW, Zurich, Switzerland)

Simulated Moving Bed Chromatography - Mass Spectrometry (SMB-MS): Continuous On-Line Sample Preparation for Process Analytical Technology (OC14)



Ms Juliane DIEHM
(KARLSRUHE INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

High-Throughput Analytical and Purification Capabilities at Janssen Research and Development, Toledo (OC08)



Dr Alberto FONTANA
(JANSSEN, Toledo, Spain)

Confirmed Speakers

Study of Liquid-Liquid Chromatography Operation in the Nonlinear Range of the Partition Equilibria (OC19)



Mrs Melanie GERIGK
(TECHNICAL UNIVERSITY OF MUNICH, Freising, Germany)

Process Stabilization by Online Monitoring of a Mini-Plant Coupling Enantioselective SMB Chromatography and Enzymatic Racemization (OC18)



Ms Isabel HARRIEHAUSEN
(MAX-PLANCK-INSTITUTE, Magdeburg, Germany)

New Approaches in Preparative Chromatography for Lipid Nanoparticle (LNP) Building Blocks (OC10)



Dr Markus JUZA
(CORDEN PHARMA SWITZERLAND, Liestal, Switzerland)

Development of Preparative Chromatographic Processes for the Classification of Nanoparticles (OC01)



Prof. Malte KASPEREIT
(FRIEDRICH-ALEXANDER-UNIVERSITÄT ERLANGEN-NÜRNBERG, Erlangen, Germany)

Continuous Size Fractionation of Nanoparticles for Biomedical Purposes Using Magnetic Field Controlled SMB (OC13)



Ms Laura KUGER
(KARLSRUHE INSTITUTE OF TECHNOLOGY (KIT), Eggenstein-Leopoldshafen, Germany)

Short-Cut Design of Four-Zone Simulated Moving Bed Chromatography for Multi-Component Systems: Langmuir-Type Isotherms (OC15)



Dr Ju Weon LEE
(OTTO VON GUERICKE UNIVERSITY, Magdeburg, Germany)

Design and Operation of an Integrated Continuous Downstream Process for Acid-Sensitive Mabs Based on a Calcium-Dependent Protein a Ligand (OC21)



Prof. Bernt NILSSON
(LUND UNIVERSITY, Lund, Sweden)

Advanced Gradient SMBC Applied to Antibody Purification (OC20)



Mr Masahiro OGINO
(ORGANO CORPORATION, SAGAMIHARA-shi, Japan)

Protein Separation by Simulated Moving Bed (OC22)

Confirmed Speakers



Ms Albertina RIOS
(UNIVERSITY OF PORTO, Porto, Portugal)

New Purification Strategy of Polyether Block Copolymers by Means of Simulated Moving Bed Size Exclusion Chromatography (OC09)



Dr Pedro SÁ GOMES
(BASF SE, Ludwigshafen am Rhein, Germany)

Integration of Chromatography and Allied Separation Technologies Towards Autonomous Continuous mRNA Production (OC05)



Dr Axel SCHMIDT
(INSTITUT FÜR THERMISCHE VERFAHRENSTECHNIK, TUC, Clausthal-Zellerfeld, Germany)

Intensified Purification of Monoclonal Antibodies with Double Flow-Through Membrane Chromatography (OC03)



Mr Fabian SCHMITZ
(SARTORIUS STEDIM BIOTECH GMBH, Göttingen, Germany)

Continuous Purification of Virus-Based Biologics Using Periodic Counter-Current Chromatography (OC06)



Dr Ricardo SILVA
(IBET, Oeiras, Portugal)

Robustness Analysis by Predictive Distribution for Various Operating Configurations for Simulated Moving Bed Chromatography (OC16)



Mr Kensuke SUZUKI
(NAGOYA UNIVERSITY, Nagoya, Japan)

Optimizing AAV Full/Empty Separation Using Mechanistic Modeling (OC02)



Dr Tatjana TRUNZER
(CYTIVA, Karlsruhe, Germany)

General Bio-Chromatographic Digital Twin in Quality-By-Design Based Process Design and Machine-Learning Based Process Control (OC11)



Mr Florian VETTER
(TU CLAUSTHAL, Clausthal-Zellerfeld, Germany)