

Confirmed Speakers

Plenary Speakers

Molecular Bioprocessing: Biophysics, Simulations and Expedited Process Development (PL01)

Prof. Steven CRAMER M
(RENSSELAER POLYTECHNIC INSTITUTE, Troy, United States)

Enabling Sustainability in Chromatography via Innovation (PL02)

Dr David ROUSH
(ROUSH BIOPHARMA PANACEA , Colts Neck, United States)

Oral Communications

Counter-current Chromatography for Efficient Lignin Monomer-monomer and Monomer-oligomer Separations from Lignin Oil Derived from Reductive Catalytic Fractionation (OC52)

Dr Manar ALHERECH
(NATIONAL RENEWABLE ENERGY LABORATORY, Golden, United States)

Elucidating the Exclusion Mechanism in Cation-exchange Chromatography with High-throughput Techniques and Mechanistic Modeling to Improve Performance of Therapeutic Antibody Polishing (OC07)

Dr Scott ALTERN
(ABBVIE, Worcester, United States)

Session Chair

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

Advancing Rapeseed Protein Purification: A Continuous Chromatographic Approach for Napin and Cruciferin (OC51)

Mr Jonas ARNECKE
(UNIVERSITY OF APPLIED SCIENCES MANNHEIM, Mannheim, Germany)

All-atom Modelling of Methacrylate-based Multi-modal Chromatography Resins for Isotherm Parameter Prediction (OC49)

Mr Tim BALLWEG
(KARLSRUHER INSTITUTE OF TECHNOLOGY, Karlsruhe, Germany)

Optimization For the Separation of Oligosaccharides by SMB (OC53)

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

Optimizing Plasmid DNA Purification: Anion Exchange Membrane Chromatography with Salt Modulation (OC65)

Ms Pauline BEWOSCH
(HS MANNHEIM , Mannheim, Germany)

Mechanistic Modeling of mAbs And Host-cell Protein Impurities in Protein a Chromatography (OC08)

Mr Soumitra BHOYAR
(UNIVERSITY OF DELAWARE, Newark, United States)

Antibody Capture from Non-clarified Cell Broth Based on Superparamagnetic Protein a Functionalized Beads (OC58)

Dr Nils BRECHMANN
(MAGIC BIOPROCESSING, Uppsala, Sweden)

Process Analytical Technology (PAT) Informing the Manufacture and Formulation of Monoclonal Antibody-based Products (OC17)

Confirmed Speakers

Ms Maria BRUQUE
(UNIVERSITY OF BIRMINGHAM, Birmingham, United Kingdom)

Prediction Precision of Hydrophobic Interaction Chromatography Can Be Improved with a Flexible Isotherm (OC29)

Prof. Johannes BUYEL
(BOKU, Vienna, Austria)

Evaluation of Large-scale Monolith Chromatographic Columns for AAV Capsids Separation (OC22)

Dr Urh CERNIGOJ
(SARTORIUS BIA SEPARATIONS, Ajdovscina, Slovenia)

Adapting High-throughput Technologies for Enhanced Mechanistic Modeling in Chromatography: A Novel Calibration Approach Combining KP And Robocolumn (OC06)

Dr Chyi-Shin CHEN
(CHUGAI PHARMACEUTICAL, Tokyo, Japan)

New Monodispersed Silica and Hybrid Silica Bulk Media for Purification of Peptides and Oligonucleotides (OC14)

Dr WU CHEN
(NANOMICRO TECHNOLOGY, NEWARK, United States)

Adapting the Separation Parameters to Address an Unexpected Impurity in a Validated Process (OC10)

Dr Olivier DAPREMONT
(SK PHARMTECO, Rancho Cordova, United States)

Innovations in Enhanced SFC: Complex Purification Enabled by Recent Advances in Analytical and Preparative Enhanced Fluid Chromatography (OC33)

Mr Jimmy DASILVA
(MERCK & CO., INC., Rahway, United States)

Green Purification of CROCIN-I from Saffron Through the Combination of Multicolumn Countercurrent Chromatography and Ethanol (OC54)

Dr Chiara DE LUCA
(UNIVERSITÀ DEGLI STUDI DI FERRARA, Ferrara, Italy)

High Throughput Evaluation of Membrane Chromatographic Selectivities (OC64)

Mr Eric DENBAUM
(RENSSELAER POLYTECHNIC INSTITUTE, Troy, United States)

Developing Continuous Multi-column Chromatography Platforms for Virus-like Particles (VLP): A Transition from Batch to Continuous Vaccine Production (OC41)

Dr Kabir DHINGRA
(MERCK, West Point, United States)

Large Scale Purification of Peptides with MCSGP Under GMP (OC46)

Dr Ralf EISENHUTH
(BACHEM AG, Bubendorf, Switzerland)

Going Deep: Understanding Electrostatic Interaction on Strong Cation-Exchanger Via CO-ION Valency Effects (OC26)

Mr Gregor ESSERT
(TECHNISCHE UNIVERSITÄT MÜNCHEN, Garching, Germany)

Improved Manufacturing and Characterization of a Fusogenic Oncolytic Virus (OC03)

Ms Rita FERNANDES
(IBET, Oeiras, Portugal)

A Machine Learning Methodology for Resin Screening in Protein a Chromatography (OC48)

Confirmed Speakers

Ing Andrea GALEAZZI
(IMPERIAL COLLEGE LONDON, London, United Kingdom)

Displacement Effects on the Purification of GLP-1 Receptor Agonists (OC27)

Dr André GARCIA
(KROMASIL BY NOURYON, Bohus, Sweden)

Impact of Jetting and Batch Emulsification Resin Manufacturing Technologies on Pressure-flow Characteristics (OC15)

Mr Christopher GERBERICH
(GSK, King of Prussia, United States)

Size-exclusion Chromatography Sensor as a Process Analytical Technology for the Manufacturing Process of Monoclonal Antibodies (OC18)

Dr Fabrice GRITTI
(WATERS CORPORATION, MILFORD, United States)

Solutions for Reduced Carbon Footprint and Direct Freshwater Use in MAB Manufacturing (OC23)

Mrs Anna GRONBERG
(CYTIVA, UPPSALA, Sweden)

Development of a Custom, High Throughput Purification Platform in Support of Peptide Purification (OC44)

Ms Cristina GROSANU
(J&J, Spring House, United States)

A Flexible Approach to Automated High-throughput Purification to Enable Drug Discovery (OC31)

Ms Amber GUILLEN
(NURIX, San Francisco, United States)

Predictability of Two-Component Protein Column Adsorption with Isotherm Models using Batch Experiments (OC60)

Prof. Rainer HAHN
(BOKU VIENNA, Vienna, Austria)

Scale-Bridging Separation of Gold Nanoclusters and Plasmonic Nanoparticles by Liquid Chromatography (OC57)

Mr Lukas HARTMANN
(FRIEDRICH-ALEXANDER-UNIVERSITY ERLANGEN-NUREMBERG, Erlangen, Germany)

Optimizing Bioprocess Efficiency: A Toolbox Approach to Downstream Intensification and Facility Integration (OC55)

Dr Matthias HECHT
(BOEHRINGER INGELHEIM, Biberach, Germany)

Introducing Green Flash Chromatography (OC25)

Dr Kenneth JAMES
(G-FLASH LLC, Newark, United States)

High Resolution 3D Imaging to Visualize and Characterize 3D Printed Chromatography Columns (OC20)

Dr Thomas JOHNSON
(UNIVERSITY COLLEGE LONDON, London, United Kingdom)

Integrated Model-based Design and Scale-up for a Peptide Chromatographic Purification Process (OC45)

Dr Bhoja KANDELA
(ELI LILLY SERVICES INDIA PRIVATE LIMITED, Bangalore, India)

Confirmed Speakers

Separation and Analysis of Adeno-associated Virus Vectors Using Choline Gradient Salts in Anion-exchange Chromatography (OC35)

Dr Jukka KERVINEN
(TOSOH BIOSCIENCE LLC, King of Prussia, United States)

Employing Arginine and Trehalose for Improved Recovery in a Two Stage Lentiviral Vector Purification Process (OC37)

Mr Andrew KOCOT
(RENSELAER POLYTECHNIC INSTITUTE, Troy, United States)

Development of a Convective Flow-based Chromatography Step for the Enrichment of Full Adeno-associated Viral Vectors (OC36)

Ms Susanne KONRAD
(ROCHE DIAGNOSTICS GMBH, Penzberg, Germany)

In-line Tools for SMB Method Development in Lab Scale Used for Purification of Natural Compounds (OC19)

Dr Yannick KRAUKE
(KNAUER, Berlin, Germany)

Development of Rabbit scFv-based Immunoaffinity Chromatography for Purification of Human Kynureninase (OC01)

Prof. Yoichi KUMADA
(KYOTO INSTITUTE OF TECHNOLOGY, Kyoto, Japan)

Investigation of Retrovirus Like Particle Clearance Across Operational Ranges for Hydrophobic Interaction Chromatography Steps Using MOCKV® RVLPS (OC42)

Ms Marisa LABANCA
(BIOGEN, INC., Morrisville, United States)

Characterization of Novel High-performance Chromatography Membranes and Devices for Product Capture (OC66)

Dr Joseph LAVOIE
(NC STATE UNIVERSITY, Cary, United States)

Continuous Ternary Separation Using Double-layer Simulated Moving Bed Chromatography (OC11)

Dr Ju Weon LEE
(MAX-PLANCK-INSTITUT FÜR DYNAMIK KOMPLEXER TECHNISCHER SYSTEME, Magdeburg, Germany)

Case Studies: Downstream Process Development and Platform Evolution for Fragmented-antibody-based Protein Therapeutics for Inhalation Delivery (OC56)

Dr Haibin LUO
(ASTRAZENECA, Gaithersburg, United States)

Continuous Separation of Enantiomers in SMB Chromatography with Achiral Stationary Phase (OC09)

Dr Wojciech MAREK
(RZESZOW UNIVERSITY OF TECHNOLOGY, Rzeszow, Poland)

Size-exclusion Mixed-mode (SEMM) Media for Polishing Antibodies and Viral Vectors in Flow-Through Mode (OC40)

Dr Stefano MENEGATTI
(NC STATE UNIVERSITY & LIGATRAP TECHNOLOGIES, Raleigh, United States)

Ionic Strength Effects in Protein a Affinity Membrane Chromatography (OC63)

Mr Oussama MENOUEAR MENARI GHEZIEL
(MANNHEIM UNIVERSITY OF APPLIED SCIENCES, Mannheim, Germany)

Hybrid Models and Knowledge Transfer for Biopharmaceutical Processes (OC47)

Confirmed Speakers

Prof. Massimo MORBIDELLI
(ARISTOTLE UNIVERSITY OF THESSALONIKI, Thessaloniki, Greece)

Automated System for Modelling, Calibration and Optimization of Chromatographic Separations of Biologics (OC62)

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

Effect of Microstructure and Porosity on Compression of Methacrylate Polymers During Flow-through Applications (OC16)

Dr Ales PODGORNIK
(FACULTY OF CHEMISTRY AND CHEMICAL TECHNOLOGY, UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia)

Twin-column Chromatography for Isolating mAb Isoforms and Other Pharmaceutical Minor Components (OC12)

Dr J. PRESTON
(YMC, Devens, United States)

Spatial Discontinuous Galerkin Spectral Element Method for a Family of Chromatography Models in Cadet (OC50)

Mr Johannes SCHMÖLDER
(FORSCHUNGSZENTRUM JÜLICH GMBH, Jülich, Germany)

Lab Scale Chiral Chromatography: Evolution and Application to Lilly Early Drug Discovery Efforts (OC32)

Mr Eric SEEST
(ELI LILLY, Indianapolis, United States)

Influence of CHO Clonal Variations on Polysorbate 20 Degradation Kinetics in Monoclonal Antibody Formulations (OC30)

Dr Tanja SEIBOLD
(BOEHRINGER INGELHEIM, Biberach, Germany)

Process Intensification of rAAV Using Column-free Continuous Countercurrent Tangential Chromatography (CCTC) (OC67)

Mr Oleg SHINKAZH
(CHROMATAN, Ambler, United States)

Towards Development of Peptide-based Host Cell Protein Removal Technologies for Biomanufacturing (OC43)

Ms Sobhana Alekhya SRIPADA
(NORTH CAROLINA STATE UNIVERSITY, Raleigh, United States)

Innovative Mixed Mode Resin for Efficient Purification of Complex Antibody Formats: Impurity Removal and High Purity Bispecific Antibody Recovery (OC13)

Mrs Alisa STROBEL
(MILLIPORESIGMA, Darmstadt, Germany)

The New Frontier? Exploring Innovative Magnetic Separation with Mechanistic Models (OC05)

Mr Marko TESANOVIC
(TU MUNICH, München, Germany)

A Platform Strategy for the Development of Polishing Chromatography Steps (OC39)

Dr Steve TIMMICK
(GSK, Plymouth Meeting, United States)

On the Challenges of Reactive Chromatography: Estimation of Kinetics and Thermodynamics of Lactose Mutarotation (OC28)

Confirmed Speakers

Mr Silvio TRESPI
(ETH ZÜRICH, Zürich, Switzerland)

ION Exchange as a Sustainable Alternative to Reversed Phase Chromatography for the Purification of Tides Molecules (OC24)

Dr Cecilia UNOSON
(BIO-WORKS, Uppsala, Sweden)

Title TBC (OC21)

Dr Nick VECCHIARELLO
(UNIVERSITY OF VIRGINIA, Charlottesville, United States)

Improved Process Development and Robust Scale-Down Models for Live Virus and Virus Like Particle Purification using Automated High Throughput Chromatography Platform (OC61)

Ms Sheng-Ching WANG
(MERCK, West Point, United States)

Purification of Therapeutic Proteins Expressed in Mammalian Hosts Using a Self-removing Affinity Tag (OC02)

Prof. David WOOD
(THE OHIO STATE UNIVERSITY, Columbus, United States)

Efficient Capture of Adenovirus Serotype 5 from Multi-cell Culture Fluids by Affinity Ligands Targeting Hexon Protein (OC38)

Mr Yuxuan WU
(NORTH CAROLINA STATE UNIVERSITY, Raleigh, United States)

A Method for Determining the Optimum Temperature for a Polyphenol Separation Process by Polymer-resin Based Reversed Phase Chromatography (OC59)

Prof. Shuichi YAMAMOTO
(YAMAGUCHI UNIVERSITY, Ube, Japan)

Reversed-phase Microscale Isolations of Various Modalities (OC34)

Ms Crystal YE
(GENENTECH, South San Francisco, United States)

Converting Aggregates to Monomers by Reducing Agents for an ADC, and by Low PH Treatment for a MAB (OC41)

Dr Geng YU
(SALUBRIS BIOTHERAPEUTICS, GAITHERSBURG, United States)

End of Morning Workshops

End of Afternoon Workshops