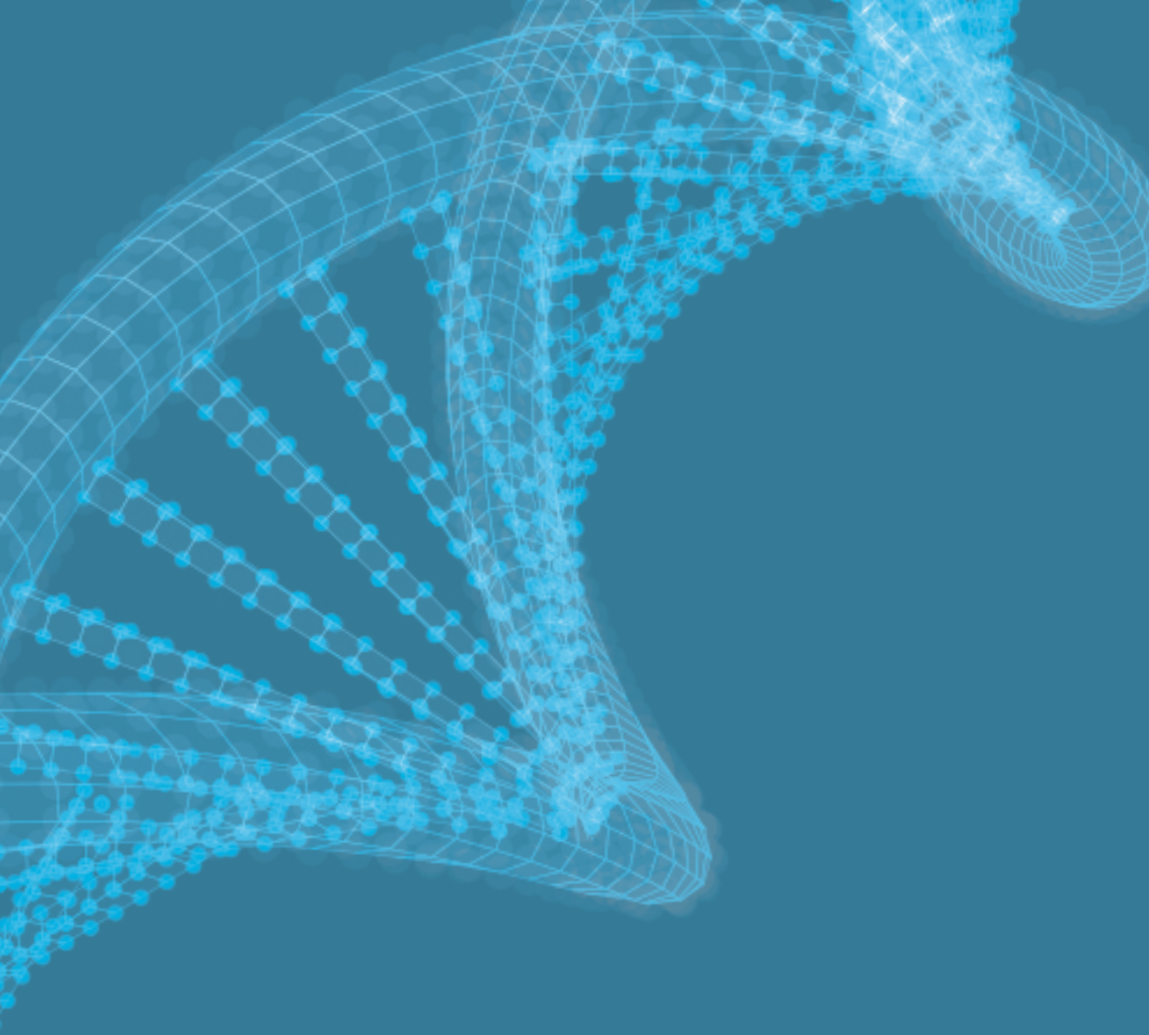
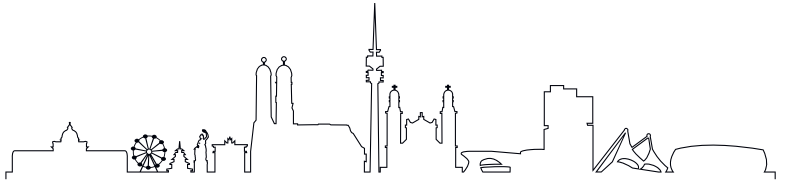


NOVEMBER 9-12, 2025

44th International Symposium on the Separation of Proteins, Peptides & Polynucleotides

ISPPP
2025 MUNICH

ISPPP 2025 MUNICH



44th International Symposium on the Purification of Proteins, Peptides & Polynucleotides

MUNICH (CAMPUS GARCHING), GERMANY
NOVEMBER 9 - 12, 2025

acib austrian centre of industrial biotechnology

WE THANK OUR SPONSORS & EXHIBITORS

PLATINUM SPONSORS/EXHIBITORS

cytiva

GOLD SPONSORS/EXHIBITORS

BIO-RAD

Bio-Works

SILVER SPONSORS/EXHIBITORS

KNAUER

TOSOH

novo nordisk®

Roche

solventum

novasign Process modeling

EXHIBITORS

POSTNOVA

ChromSword

CONFERENCE BAG SPONSOR

SARTORIUS

MEDIA PARTNERS

PREP

separations an Open Access Journal by MDPI

WELCOME TO ISPPP 2025

It is my great pleasure to welcome you to the 44th International Symposium on the Separation of Proteins, Peptides and Polynucleotides (ISPPP 2025), held this year at the Research Campus of the Technical University of Munich in Garching, Germany.

For more than four decades, ISPPP has provided an outstanding international forum for scientists and professionals from academia and industry to share their latest research, exchange ideas, and foster collaborations in the field of separation science. This year, we continue this tradition by bringing together experts and young researchers alike to discuss both fundamental advances and innovative applications in protein, peptide, and polynucleotide separation.

The program reflects the breadth and depth of our community: from chromatography and membrane technologies to bioseparations for new modalities, digital and process intensification approaches, and the emerging role of data-driven and AI-supported methods. Disruptive technologies such as magnetic separation and potential-controlled separation are now part of the scientific dialogue, while separation techniques for plasmid DNA and mRNA are gaining increasing importance in view of the rapid development of new therapeutics.

A special highlight this year is the dedicated session for young spin-offs and those preparing to found new ventures in the field. By hosting ISPPP at the TUM Research Campus in Garching – home to cutting-edge science, strong industrial collaborations, and the vibrant entrepreneurial ecosystem of TUM – we also underline our commitment to making the spirit of fresh ideas more visible and to accelerating the transfer of innovations into industry.

On behalf of the organizing committee, I would like to warmly thank all speakers, authors, sponsors, and participants who contribute to making ISPPP 2025 a vibrant and memorable event. Your engagement and passion are what drive the continued success of this symposium.

We wish you an inspiring conference, fruitful discussions, and an enjoyable time in Garching and Munich.

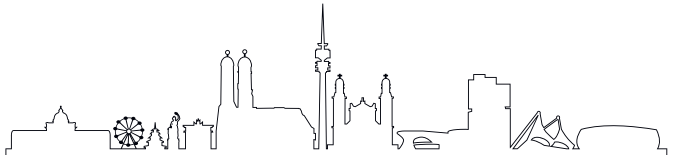
Sincerely,

Sonja Berensmeier

CONFERENCE CHAIR

changing diabetes®

novo nordisk®



CONFERENCE CHAIR

SONJA BERENSMEIER, Technical University of Munich, Germany

SCIENTIFIC COMMITTEE

CRISTINA DIAS-CABRAL, University of Beira Interior, Portugal

ELENA DOMINGUEZ VEGA, Leiden University Medical Center, The Netherlands

MICHEL EPPINK, TU Delft, Byondis, The Netherlands

MILTON HEARN, Monash University, Australia

SOPHIA HOBER, Royal Institute of Technology (KTH), Sweden

JÜRGEN HUBBUCH, Karlsruhe Institute of Technology (KIT), Germany

ALOIS JUNGBAUER, acib GmbH, BOKU University, Austria

NICO LINGG, acib GmbH, BOKU University, Austria

MIRJANA MINCEVA, Technical University Munich, Germany

EGBERT MÜLLER, Tososh Bioscience GmbH

ALEŠ PODGORNIK, University of Ljubljana, Slovenia

ORGANIZING COMMITTEE

VERENA BECK, acib GmbH, Austria

SONJA BERENSMEIER, Technical University of Munich, Germany

FRIEDERIKE EILTS,
Fraunhofer Institute for Interfacial Engineering & Biotechnology IGB, Germany

ALOIS JUNGBAUER, acib GmbH, BOKU University, Austria

TANJA SCHÄRFL, acib GmbH

VIKTORIA ZANGHELLINI, acib GmbH

ISPPP 2025 MUNICH

VENUE MAP

VENUE ADDRESS
Galileo Congress Centre
Walther-Von-Dyck Str. 12
85748 Garching bei München

GROUND LEVEL

The conference will be held in room **Terra (ground level).**

Welcome Reception, refreshment breaks, lunch, poster sessions and exhibition will be held in the **foyer/room Jupiter (ground level)**.

Conference Dinner

The conference Dinner will take place
on **Tuesday, Nov. 11, 2025, at 7:30 pm.**

Augustiner Stammhaus
Neuhauser Str. 27, 80331 München
www.augustiner-restaurant.com

PRE-CONFERENCE WORKSHOPS

SUNDAY, NOVEMBER 9, 2025

10:00	**START OF REGISTRATION**	
11:00	**WORKSHOP 1** **Michel Eppink** TU Delft, Byondis B.V. **Egbert Müller,** Tosoh Bioscience GmbH	Oligonucleotide production, purification and application in biopharmaceutical processing and their quality requirements
12:15	**WORKSHOP 2** **Michel Eppink** TU Delft, Byondis B.V. **Sonja Berensmeier** TU Munich	Insights in Polynucleotide Production: Overcoming Purification Challenges in mRNA and Plasmid Manufacturing
13:30	**WORKSHOP 3** **Cristina Cabral** Univ. of Beira Interior	Microcalorimetry as a Tool in Preparative Chromatography: Versatility and Power
14:45	**WORKSHOP 4** **Alois Jungbauer** acib GmbH & BOKU University	Purification and characterization of viral cell and gene therapy vectors

Photo: planet fox (Pixabay)

MUNICH INFO

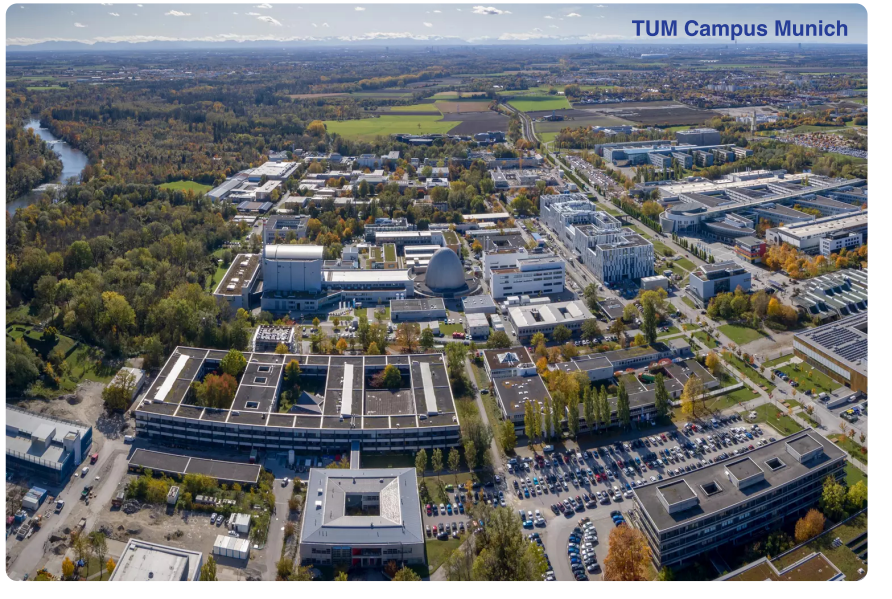


Photo: www.tum.de

CONFERENCE PROGRAMME

SUNDAY, NOVEMBER 9, 2025

17:00	**WELCOMING REMARKS BY SONJA BERENSMEIER**	
KEY NOTE LECTURE CHAIR: SONJA BERENSMEIER		
17:20	**Scott Wheelwright** BioChromatographix International Pte. Ltd.	**KN1:** Purification of viruses for gene therapy and vaccines: A comparison of convective and diffusive chromatography
18:00	**WELCOMING RECEPTION**	

Picture: SOINI ASSET IMMOBILIEN

MONDAY, NOVEMBER 10, 2025

KEY NOTE LECTURE
CHAIR: ALOIS JUNGBAUER

08:30	**Alois Jungbauer** acib GmbH & BOKU University	Key Note & Session Introduction
08:35	**Stefano Menegatti** North Carolina State University	**KN2:** Stimuli-responsive peptides: A kaleidoscope of applications

SESSION 1: ADVANCES IN SEPARATION PROCESSES
CHAIR: ALOIS JUNGBAUER

09:15	**Aleš Podgornik** University of Ljubljana	**OP1:** Effect of support microstructure on compression and pressure drop during flow-through applications
09:35	**Fernando De Mathia** BOKU University	**OP2:** Purification and characterization of a recombinant neuraminidase influenza virus vaccine candidate
09:55	**Robert Klausser** Technical University Vienna	**OP3:** Protein denaturation maps – Charting a course for the solubilization and refolding of bacterial inclusion bodies
10:15	**REFRESHMENT BREAK**	

SESSION 2: HYBRID PROCESSING & NEW TECHNOLOGIES
CHAIR: EGBERT MÜLLER

10:35	**Egbert Müller** Tosoh Bioscience GmbH	Session Introduction
10:40	**Pedro Ferreira** University of Beira Interior	**OP4:** A reusable nanodiamond-based platform for selective purification of RNA
11:00	**Michał Kołodziej** Rzeszów University of Technology	**OP5:** Isolation and purification of monoclonal antibodies using combined precipitation and crystallization process
11:20	**Lisa Meier** Technical University of Munich	**OP6:** Electrochemically modulated purification of plasmid DNA using graphite electrodes in static and flow systems
11:40	**Peter Mayrhofer** Technical University of Munich	**OP7:** Light-controlled protein purification using a short photo-switchable affinity tag
12:00	**LUNCH BREAK**	

Old Town Munich

Picture: travelwithzhuk (Pixabay)

SESSION 3: FLASH & SPIN-OFF TALKS
CHAIR: MICHEL EPPINK

13:30	**Michel Eppink** TU Delft & Byondis B.V.	Session Introduction
13:35	**FLASH TALKS**	
	Yannick Krauke Knauer Wissenschaftliche Geräte GmbH	**FP1:** Large scale purification and quality control of therapeutic oligonucleotides
	Edina Császár Biomay AG	**FP2:** mRNA manufacturing: from template DNA to lipid nanoparticles – An integrated platform approach
	Djuro Josić Juraj Dobrila University of Pula	**FP3:** Direct application of undiluted human plasma and other complex biological fluids to polymethacrylate-based monoliths and subsequent isolation of biologically active therapeutic proteins and other biopolymers
	Jonas Wege Tosoh Bioscience GmbH	**FP4:** Towards seamless mAb purification: Dual-Step Multi-Column Chromatography
	Marina Linova Technical University of Denmark	**FP5:** Advancing *K. phaffii* bioprocesses: Evaluation of continuous perfusion processes and suitable purification strategies
14:10	**SPIN-OFF TALKS**	
	Nils Brechmann MAGic BioProcessing	**SP1:** Comparative economic modeling of magnetic bead-based processing as an alternative to legacy mAb manufacturing
	Robin Karl Technical University of Munich	**SP2:** Holistic pilot-scale magnetic separation platform development
	Eike Theel Technical University of Munich	**SP3:** Potential-controlled affinity membrane chromatography (pcMAC) - Redefining gentle biomolecule purification
	Andreas Reichert Technical University of Munich	**SP4:** Light-controlled antibody purification via a photoswitchable protein A platform
	Simone Dimartino University of Edinburgh	**SP5:** Planet Crafting Labs: Empowering the biotech industry to drive sustainable innovation
15:15	**REFRESHMENT BREAK**	

SESSION 4: CONTINUOUS & INTENSIFIED PROCESSING
CHAIR: MIRJANA MINCEVA

15:45	**Mirjana Minceva** Technical University of Munich	Session Introduction
15:50	**Mark Dürkop** Novasign GmbH	**OP8:** Process modeling as key to intensify continuous bioprocess development
16:10	**Sabrina Leigheb** BOKU University	**OP9:** Continuous flow ultracentrifugation enables efficient capture of adeno-associated viruses from clarified lysates
16:30	**Julian Galbusera** Technical University of Munich	**OP10:** Development and economic evaluation of an intensified magnetic nanoparticle-based purification process for microbial proteins
16:50	**Markus Berg** enGenes Biotech GmbH	**OP11:** Continuous production of plasmid DNA: Advances in integrated separation and purification
17:10	**Jonas Arnecke** Technical University of Applied Sciences Mannheim	**OP12:** Process intensification for protein purification: Continuous multi-column isolation of napin and cruciferin
17:30	**SHORT BREAK**	
17:40	**GUIDED LAB TOURS**	
18:45	**POSTER PARTY INCL. SNACKS**	
20:15	**END OF DAY 2**	

www.isppp.net

TUESDAY, NOVEMBER 11, 2025

KEY NOTE LECTURE CHAIR: ELENA DOMINGUEZ VEGA		
08:30	**Elena Dominguez Vega** Leiden University Medical Centre	Key Note & Session Introduction
08:35	**Charlotte Uetrecht** CSSB / DESY / University of Lübeck	**KN3**: Flying viruses – mass spectrometry meets X-rays
SESSION 5: ANALYTICS CHAIR: DOMINGUEZ VEGA		
09:15	**Christoph Gstöttner** Roche Diagnostics GmbH	**OP13**: Analytical techniques for rAAV genome integrity and identity assessment
09:35	**Katharina Dietmann** Ludwigs-Maximilians-Universität München	**OP14**: In-line infrared spectroscopic detection of chromatographic protein separation for medical diagnostics
09:55	**FLASH TALKS**	
	Roland Drexel Postnova Analytics GmbH	**FP6**: Multi-detector Field-Flow Fractionation for the assessment of critical quality attributes of AAVs
	Tomas Mesurado acib GmbH	**FP7**: Novel analytical HPLC method for characterization and quantification of VLPs
10:10	**Balasubrahmanyam Addepalli** Waters Corporation	**OP15**: Critical quality attribute analysis of RNA therapeutics by novel ribonuclease specificities
10:30	**Cláudia Paiva** iBET	**OP16**: Real-time monitoring in ultra- and diafiltration of adeno-associated virus and lentiviral vector using Raman Spectroscopy
10:50	**REFRESHMENT BREAK**	
11:00	**POSTER SESSION**	
12:30	**LUNCH BREAK**	

SESSION 6: **SEPARATION & PURIFICATION OF BIONANOPARTICLES** CHAIR: NICO LINGG		
13:30	**Nico Lingg** acib GmbH & BOKU University	Session Introduction
13:35	**Patricia Pereira Aguilar** acib GmbH	**OP17:** Functionalized non-woven fibers for the harvest, clarification and purification of bionanoparticles
13:55	**Ricardo M. Silva** Instituto Superior Técnico	**OP18:** Single-step extracellular vesicles isolation strategy using steric exclusion chromatography
14:15	**Mauri Belasko** Isolere Bio	**OP19:** Scalable purification of adherently-produced lentiviral vectors using IsoTag™ LV reagent
14:35	**FLASH TALKS**	
	Ronaldo Moraes Preto Instituto Butantan	**FP8**: Tangential flow filtration and multimodal chromatography as promising strategies for purification of outer membrane vesicles (OMVs) from *Neisseria lactamica*
	Ana Carolina Moreno Pássaro Instituto Butantan	**FP9:** Protein purification of soluble and insoluble Rhizavidin- fused potential *Schistosoma mansoni* antigen: a comparison of chromatographic performance
	Pragya Prakash Indian Institute of Technology, Delhi	**FP10:** Comparative analysis of chromatography-based approaches in the downstream processing of virus like particles
14:55	**REFRESHMENT BREAK**	

SESSION 7: OLIGO- & POLYNUCLEOTIDES
CHAIR: ALEŠ PODGORNIK

15:25	**Aleš Podgornik** University of Ljubljana	Session Introduction
15:30	**Natalia Vereszki** RotaChrom Tecnologies PLC	**OP20**: Isolation of oligonucleotides by scalable IEX-centrifugal partition chromatography
15:50	**Ana Rita da Silva Santos** Instituto Superior Técnico	**OP21**: 3D-printed matrices for steric exclusion chromatography of plasmid DNA
16:10	**Mikael Andersson Schönn** Bio-Works AB	**OP22**: Ion exchange as a sustainable alternative to reversed phase chromatography for the purification of TIDES molecules
16:30	**Francisco Marques** Instituto Superior Técnico	**OP23**: shRNA precipitation strategies for sustainable RNA-based biopesticides
16:50	**Sara Sousa Rosa** University College London	**OP24**: Simplifying mRNA manufacturing using alternative separation techniques
17:10	**END OF SESSION**	
19:30	**CONFERENCE DINNER**	

WEDNESDAY, NOVEMBER 12, 2025

SESSION 8: AFFINITY-BASED TECHNOLOGIES
CHAIR: JÜRGEN HUBBUCH

09:00	**Jürgen Hubbuch** Karlsruhe Institute of Technology	Session Introduction
09:05	**Ana Cecilia Roque** NOVA University	**OP25**: Improving the design and production of mixed-mode and affinity ligands
09:25	**Timon Kalchmayr** BOKU University	**OP26**: Designing for sustainability: Modelling the impact of buffer choice in chromatography
09:45	**Vanessa Kohl** Merck Life Science KGaA	**OP27**: Exploring the Nanofitin® Affinity Ligand Platform: Showcasing case studies from novel modalities to diverse protein classes
10:05	**FLASH TALKS**	
	Yasmin Kaveh Baghbaderani Technical University of Munich	**FP11**: Optimizing antibody-binding stoichiometry via the linker-region
	Cristina Dias-Cabral University of Beira Interior	**FP12**: *In situ* analysis of monoclonal antibody fragment adsorption on phenylboronic acid chromatography media
	Gregor Stitz BOKU University	**FP13**: Cationic polymers reduce host cell protein burden for subsequent chromatographic mAb purification
10:25	**REFRESHMENT BREAK**	

SESSION 9: FUNDAMENTALS & MODELLING
CHAIR: CRISTINA CABRAL

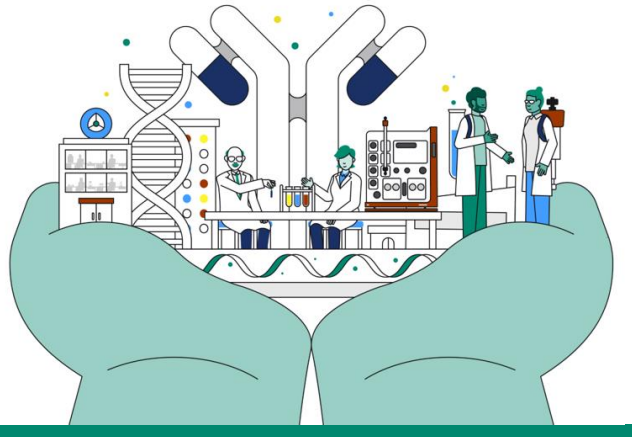
10:45	**Cristina Cabral** University of Beira Interior	Session Introduction
10:50	**SPONSORED TALK**	
	Martin Sichting Cytiva Europe GmbH	**OP28**: DoE, mechanistic modelling and artificial intelligence in chromatography
11:10	**Nitika Nitika** Indian Institute of Technology Delhi	**OP29**: Application of machine learning for sustained verification of chromatography unit performance.
11:30	**Dorota Antos** Rzeszów University of Technology	**OP30**: Bulk crystallization for protein processing: new concepts, challenges and opportunities
11:50	**Eric von Lieres** Forschunsgzentrum Jülich	**OP31**: High-definition simulation of packed-bed chromatography in laterally unconfined compartments
12:10	**Marcel Ottens** Delft University of Technology	**OP32**: Host cell proteins profiling and characterization for model-based DSP design
12:30	**PRESENTATION OF POSTER AWARDS & CONCLUDING REMARKS** BY SONJA BERENSMEIER	
13:00	**END OF CONFERENCE**	

Purify Club.
Purely your people.

Take our hand and join us in a world created for purification scientists.
Connect with a community of researchers and unlock your purification potential.

Scan now to join!

cytiva.com/purify



In silico chromatography process development

Replace lab experiments with computer simulations, save time, improve output, and increase your process understanding. Join us on the way to the future of PD.

Scan to get a full introduction

cytiva.com/modeling

cytiva

Supporting your purification success—

from development to commercialization.

Learn more and request resins samples.

bio-rad.com/ISPPP

Get resources to accelerate your biotherapeutic development

Our digital hub has the resources you need for all phases of your downstream process development, including application notes, strategy guides, example workflows, technical videos and tutorials, and resin information. Request resin samples for method development, connect with expert purification scientists, and register and view webinars focused on solutions to overcome your bioprocessing challenges.

BIO-RAD

POSTERS

presented on Monday, Nov. 10
18:45 – 20:15

All posters will be displayed throughout the conference. We ask presenters of the following posters to be at their poster for questions and discussions on Monday, Nov. 10, 18:45 – 20:15.

Fundamentals and Modelling

P1	**Giorgio Carta** University of Virginia	Advances in Understanding and Modeling pH Transients in Protein A Columns and their Effects on Elution of IgG
P3	**Jürgen Beck** BOKU University	Measuring Adsorption Equilibria: The determination of the maximum binding capacity depends strongly on the method of resin preparation.
FP12	**Cristina Dias-Cabral** University of Beira Interior	*In situ* analysis of monoclonal antibody fragment adsorption on phenylboronic acid chromatography media

Advances in Separation Processes

P7	**Jonas Guth** Technical University of Applied Sciences Mannheim	Enhanced monomer-aggregate resolution on Protein A membrane chromatography
P9	**Michael Niemeyer** Navigo Proteins	Affinity based purification of Hyaluronidase by using Precision X® ligands
P11	**Felix Veitl** Technical University of Munich	Bioseparation Controlled by Light: Engineering of an IgG Fc-Specific Affitin for the Affinity Purification of Antibodies
P13	**Tonima Akter Khan** Technical University of Munich	Optimizing Antibody Immobilization for Affinity-Based Separation
P15	**Eike Theel** Technical University of Munich	Potential-Controlled Membrane Affinity Chromatography: A Sustainable Strategy for Antibody Capture and Elution
FP11	**Yasmin Kaveh Baghbaderani** Technical University of Munich	Optimizing Antibody-Binding Stoichiometry via the Linker-Region
P18	**Markus Mozgovicz** acib GmbH	HIV-1 gag virus-like particle purification: A scalable chromatographic approach
P20	**Tina Simčič** Sartorius BIA Separations d.o.o.	Modulating and Understanding Retention of Proteins on Chromatographic Support by Changing Cation-Exchanging Ligand
P22	**Amélie Terreaux** Numab Therapeutics AG	Novel protein A and L ligands for the purification of multispecific antibody-based therapeutics
P24	**Gregor Richter** Thermo Fisher Scientific	Affinity purification as a platform for improved plasma-derived IgG manufacturing
P25	**Mauri Belasko** Isolere Bio	Scalable purification of adherently-produced lentiviral vectors using IsoTag™ LV reagent
P27	**Peter Menstell** Merck Life Science	Intensifying AAV9 Capture: The Role of Nanofitin® Affinity Ligands for Streamlined Purification Processes
FP1	**Yannick Krauke** Knauer Wissenschaftliche Geräte GmbH	Large scale purification and quality control of therapeutic oligonucleotides
FP8	**Ronaldo Moraes Preto** Instituto Butantan	Tangential flow filtration and multimodal chromatography as promising strategies for purification of outer membrane vesicles (OMVs) from *Neisseria lactamica*
P30	**David J. Andlinger** Bio-Rad Laboratories	A scalable weak AEX-HIC Mixed-Mode chromatography resin for biologics purification

Products

P31	**David J. Andlinger** Bio-Rad Laboratories	Saving Lives - Innovative Ion Exchange Resin Therapeutic Applications
P33	**Friederike Eilts** Fraunhofer Institute for Interfacial Engineering and Biotechnology	Incorporating virus stability into an oncolytic HSV-1 purification strategy
P36	**Viviane Maimoni Goncalves** Instituto Butantan	Lysis conditions and comparison of anion exchange resins for purification of untagged recombinant pneumolysin

Process Intensification

P39	**Sebastian Thürmann** Tosoh Bioscience	Smart MCC Integration for a Sustainable Downstream Future
P41	**David Achauer** Technical University of Munich	Development of an Automated Tangential Flow Filtration for mRNA Using Model Based Control and Real-Time Monitoring
P43	**Sabrina Styblova** **Paul Jacoby** **Bhagyeshri Mantri** Technical University of Munich	Integrated Downstream for Valorization of Soy Side-Streams via Fungal Fermentation
FP5	**Marina Linova** Technical University of Denmark	Advancing *K. phaffii* Bioprocesses: Evaluation of Continuous Perfusion Processes and Suitable Purification Strategies

Analytical Detection Technologies

FP6	**Roland Drexel** Postnova Analytics GmbH	Multi-detector Field-Flow Fractionation for the assessment of critical quality attributes of AAVs

Spin-off Poster

SP1	**Nils Brechmann** MAGic BioProcessing	Comparative economic modeling of magnetic bead-based processing as an alternative to legacy mAb manufacturing
SP2	**Robin Karl** Technical University of Munich	Holistic pilot-scale magnetic separation platform development
SP4	**Andreas Reichert** Technical University of Munich	Light-controlled antibody purification via a photoswitchable protein A platform
SP5	**Simone Dimartino** University of Edinburgh	Planet Crafting Labs: Empowering the biotech industry to drive sustainable innovation

POSTERS

presented on Tuesday, Nov. 11
11:00 – 12:30

All posters will be displayed throughout the conference. We ask presenters of the following posters to be at their poster for questions and discussions on Tuesday, Nov. 11, 11:00 – 12:30.

Fundamentals and Modelling

P2	**Hironobu Shirataki** Asahi Kasei	Reproduction calculation of pressure profile of tangential flow filtration for clarification of HEK cell culture with cell lysate using hollow fiber MF with asymmetric or symmetrical structur
P4	**Finja Probst** acib GmbH	Optimizing bionanoparticle purification: A CFD-driven design of flow distributors for monolithic columns
P5	**Sandeep Kaur** Technical University of Applied Sciences Mannheim	Electrically driven elution in digital Protein A membrane chromatography: An alternative to traditional low-pH elution

Advances in Separation Processes

P6	**Oussama Menouar** Technical University of Applied Sciences Mannheim	From Harsh to Mild: Redefining Protein A Elution with Excipient Modulation
P8	**Florian Settele** Navigo Proteins	Targeted purification of GLP-1 therapeutics: Precision X® ligands for Semaglutide and Tirzepatide
P10	**Andreas Pickl** Sartorius	Lab-Scale Tools for Advanced LV Downstream Processing
P12	**Nadja Kohn** Technical University of Munich	Expanded bed chromatography for the preparative age-specific separation of brewer's yeast
P14	**Robin Karl** Technical University of Munich	Push Button, Get Nanoparticles: Pilot-Scale, End-to-End Automation for Magnetic Nanoparticle Production

P16	**Alejandra Riera Hipp** Technical University of Munich	Continuous protein affinity chromatography using silica-binding peptides
P17	**Dieu Linh Nguyen** Fraunhofer Institute for Interfacial Engineering and Biotechnology	Exploring the Power of Membrane Chromatography for Effective HSV-1 Purification
P19	**Guilherme Costa** acib GmbH	Demonstration of Scale-down Model for Continuous-Flow Ultracentrifugation Using Sucrose Gradients for Particle Separation
P21	**Sara Rotar** Sartorius BIA Separations d.o.o.	Optimization of preparative-scale mRNA capture using small-scale Oligo dT affinity monoliths
P23	**Sebastian Wolniak** Numab Therapeutics AG	Modular high-throughput platform for the purification of scFvs and multispecific antibody-based therapeutics
P26	**Linus Laurin** Cytiva	Optimizing environmental sustainability in bispecific antibody manufacturing
P28	**Ulrike Krop** Knauer GmbH	Optimizing peptide purification: HPLC scale-up process for high purity and efficiency
P29	**Djuro Josić** Juraj Dobrila University	Immobilized recombinant FcγIIIA receptor and FcγIIIA receptor as a useful tool for characterization of human IgG antibodies
FP3	**Djuro Josić** Juraj Dobrila Univ. of Pula	Direct application of undiluted human plasma and other complex biological fluids to polymethacrylate-based monoliths and subsequent isolation of biologically active therapeutic proteins and other biopolymers

Products

P32	**Sonia Mendes** iBET and ITQB NOVA	Establishment of a Robust, Scalable and GMP-Compliant AAV Manufacturing Platform
P34	**Ewa Papiewska** University of Edinburgh	Additive Manufacturing Techniques for Immobilisation of T7 RNA Polymerase
P35	**Viktoria Mayer** acib GmbH	The importance of chromatin removal in bionanoparticle purification
P37	**Edina Császár** Biomay AG	Manufacturing of AAV and LV Starting Plasmids in GMP-Quality
P38	**Edina Császár** Biomay AG	Quality control of cGMP grade recombinant Cas9 nuclease for human therapeutic CRISPR/Cas9 genome editing applications

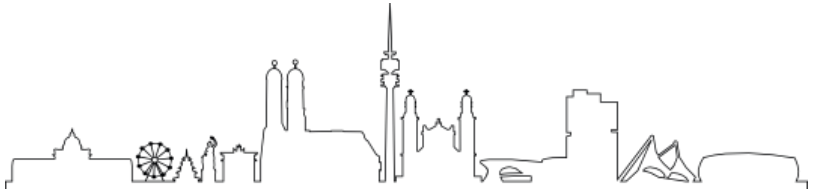
Process Intensification

FP2	**Edina Császár** Biomay AG	mRNA manufacturing: from template DNA to lipid nanoparticles – An integrated platform approach
P40	**Anja Trapp** Rentschler Biopharma SE	Continuous Multi-Column Chromatography – a Valuable Tool for Flexible CDMO Manufacturing?
P42	**Marko Tesanovic** Technical University of Munich	Integrated magnetic separation platform: from nanoparticle production to antibody capture with RS-HGMS
FP4	**Jonas Wege** Tosoh Bioscience	Towards seamless mAb purification: Dual-Step Multi-Column Chromatography
FP13	**Gregor Stitz** BOKU University	Cationic polymers reduce host cell protein burden for subsequent chromatographic mAb purification

Analytical Detection Technologies

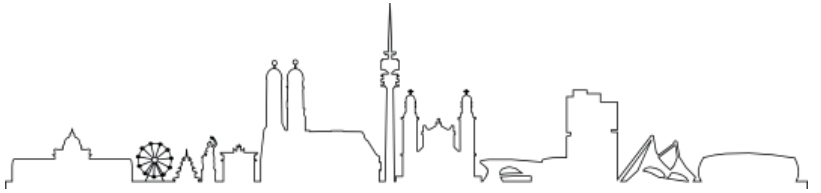
P44	**Florian Christoph Sigloch** PolyQuant GmbH	CHOcoCAT standards: controlling high-risk CHO HCPs in drug products
FP7	**Tomas Mesurado** acib GmbH	Novel analytical HPLC method for characterization and quantification of VLPs

NOTES



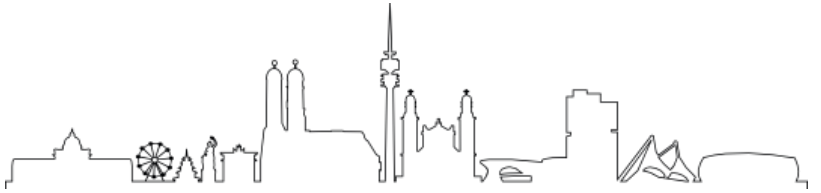
NOTES

NOTES



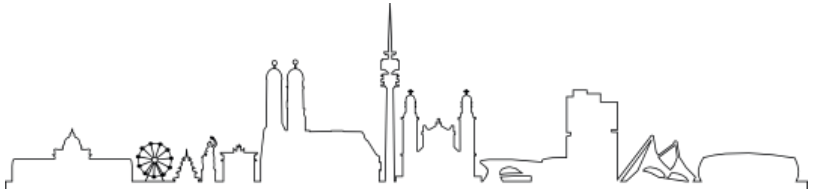
NOTES

NOTES



NOTES

NOTES



NOTES

www.isppp.net

PRINTED ON RECYCLED PAPER