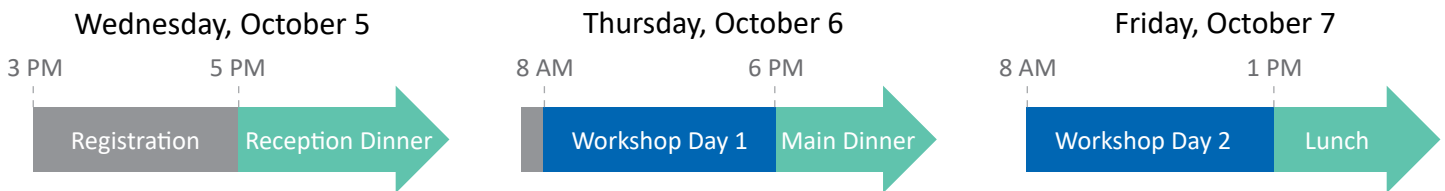


THE 23RD PLANOVA™ WORKSHOP

NEW YORK CITY
OCTOBER 6-7, 2022

Program at a Glance



The agenda is available in this announcement and on BigMarker.

Join us at the Workshop in New York City!

InterContinental New York Barclay
111 E. 48th St. in Midtown Manhattan
New York City, NY, USA

Register to attend the Workshop

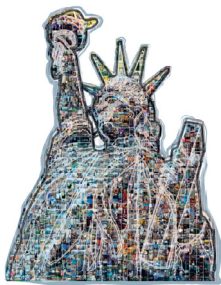
USD 200 per person for in-person or remote attendance
<https://www.bigmarker.com/s/planovaworkshop2022/home>

[Click here to Register](#)

Remote attendance hosted on BigMarker. Please find the E-mail from BigMarker for a direct link to the Workshop website.

For inquiries, please reach out to us at WS2022@ak-bio.com

The **New York City Viral Safety Day** presented by **Texcell** will be held on **Tuesday, October 4** in Midtown Manhattan. Go to [New York City, NY - Viral Safety Day \(cvent.com\)](http://cvent.com) for more information.



THE 23RD PLANOVA™ WORKSHOP

September 28, 2022

Dear Valued Customers,

We are set to welcome you to the Planova™ Workshop.

The 23rd Planova™ Workshop
InterContinental New York Barclay
111 E. 48th St. in Midtown Manhattan
New York City, NY, USA
October 6 and 7, 2022
Reception Dinner on Wednesday, October 5

We will hold the Workshop as an in-person event in the city that innovated transportation, sanitation, public health and finance to become a diverse and vibrant urban center. We are excited to unveil our latest innovation—a Planova filter with a next generation superior membrane. We welcome you to join us for the latest developments in bioprocessing focused on virus filtration and purification.

At the 23rd Planova™ Workshop, distinguished users of our products will explore the theme of “reliable processes” as they share their experiences and expertise in upstream and downstream process development. Through our reliable products and customer support, we contribute to the development of biopharmaceutical processes in the face of difficulties posed by the ongoing pandemic. Attendees of our workshop are scientists, process development professionals, process engineers and managers focused on virus filtration and pathogen safety of biopharmaceuticals from around the world.

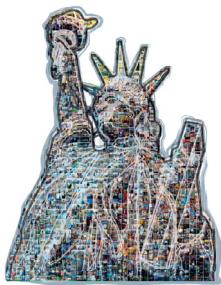
Visit our website to register: [Planova Workshop 2022](#)

Reach out to us by email with any questions: WS2022@ak-bio.com

We look forward to you joining us for the program shown on the next page in New York City or through our remote attendance option hosted by BigMarker. The event site is now live and is only accessible to registered participants. We welcome you to explore the agenda online.

Sincerely,

Sachio Asanagi
Executive VP & Area General Manager
Asahi Kasei Bioprocess America, Inc.



THE 23RD PLANOVA™ WORKSHOP

Workshop website: <https://www.bigmarker.com/s/planovaworkshop2022/home>

Day 1: Thursday, October 6, 2022

All Times in EDT, NY	Fundamentals and Regulatory (Chair: Sean O'Donnell, Ph.D.)
8:45 am	Virus Safety Concepts for New Medicinal Biotechnology Modalities Thomas R. Kreil, Ph.D., Vice President, Global Pathogen Safety, Takeda Manufacturing Austria
9:15 am	Identification of an EHDV Contamination Event in a Biopharmaceutical Product Using a Combination of Adventitious Agent Testing and Next Generation Sequencing Andy Bailey, Ph.D., CEO, Biosafety Testing Services, ViruSure
9:45 am	An Update of the CDER Viral Clearance Database Scott Lute, Senior Biologist, CDER/OPQ/OBP, U.S. FDA
10:45 am	PDA TR41 and ANSI 04-2021: 2022 Update Kurt Brorson, Ph.D., Vice President, Technical, Regulatory and Access, Parexel International
11:15 am	Novel Approach to Optimizing Virus Clearance Study Design Based on Virus Particle Studies Taiki Kayukawa, Scientist, Medical Technology & Material Laboratory, Research and Business Development Division, Asahi Kasei Medical
11:45 am	Visualizing Protein Fouling and its Impact on Parvovirus Retention Within Distinct Filter Membrane Morphologies Michael Burdick, Ph.D., Associate Director, Global Pathogen Safety Support, CSL Behring
Process Development & Manufacturing (Chair: Ji Zheng, Ph.D.)	
1:15 pm	Planova™ BioEX Demonstrates Robust Performance and Viral Clearance Capability for Multi-Specific Antibodies Jessica Waller, Ph.D., Principal Scientist, Biologics Development, Bristol Myers Squibb
1:45 pm	Starting Material Modifications that Allow Increased Throughput Without Affecting Virus Retention Across the Planova™ BioEX Viral Filter Sean O'Donnell, Ph.D., Senior Director, Virology and Purification Development, Eli Lilly
2:15 pm	Dual Validation of Planova™ 20N and BioEX for the Clinical Manufacturing of a Monoclonal Antibody Michael Cavalier, Ph.D., Senior Director of Manufacturing, XBiotech USA
3:15 pm	Mitigating Risk via Automation and a Single-Use Format in the Planova™ SU-VFC Steve Foy, Manager, Products and Brand Strategy, Sales and Marketing, Asahi Kasei Bioprocess America
3:45 pm	Proof of Concept of cGMP Single-Use TFF Filter for Continuous Biologics Manufacturing Brian Deck, Senior Scientist, Biologics Upstream Processing, Merck

Day 2: Friday, October 7, 2022

All Times in EDT, NY	New Technology & New Applications (Chair: Scott Lute)
8:45 am	Evaluation of the Planova™ BioEX Virus Removal Filter in Continuous Bioprocessing of a Monoclonal Antibody Kathleen McLaughlin, Senior Scientist, BioProcess R&D, Merck Research Laboratories, Merck
9:15 am	Considerations for Viral Filtration in an End-to-End Continuous Process Megan McClure, Principal Scientist, Purification Process Development, Process and Product Design, Just-Evotec Biologics
9:45 am	Late Stage AAV Purification Process Optimization in Preparation for Pivotal Clinical Trials Nicholas DiGioia, Manager, CMC, Process Development, LogicBio Therapeutics
Special Segment: Introducing the Planova™ S20N Filter—Next Generation Superior Membrane for Reliable Processing	
10:45 am	Novel Planova™ Filter—Planova S20N Kazuya Kobayashi, Manager, Global Sales & Customer Services Department, Bioprocess Division, Asahi Kasei Medical
11:15 am	New Generation Planova™ S20N Demonstrates Robust Performance for Multi-Specific Antibodies Jessica Waller, Ph.D., Principal Scientist, Biologics Development, Bristol Myers Squibb
11:25 am	Evaluating Next Gen Hollow Fiber Membrane for Viral Filtration: Planova™ S20N Daniel Strauss, Ph.D., Director of Research and Development, Science and Technology, Asahi Kasei Bioprocess America
11:35 am	Virus Retention Using the Planova™ S20N Viral Filter Sean O'Donnell, Ph.D., Senior Director, Virology and Purification Development, Eli Lilly