

Preliminary Program

(30-05-2023)

Single-Use Technologies VI: Established, Emergent, Agile, Sustainable?

September 10-13, 2023

Hyatt Regency Hotel
Boston, Massachusetts, USA

Conference Chairs

Magali Barbaroux, Sartorius, France
Sheryl Kane, Takeda, USA
Seongkyu Yoon, University of Massachusetts, USA



Engineering Conference International

369 Lexington Avenue, 3rd Floor #389 - New York, NY 10017, USA

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Sunday, September 10, 2023, Afternoon

1:00	Early conference check-in (continue during the workshop)
1:30 - 5:30	Pre-conference workshop
6:00 – 6:30	Welcome drink
6:30 – 7:00	Chairs' opening remarks
7:00 – 8:00	Keynote
8:00	Dinner at the hotel

Monday, September 11, 2023, Morning

07:00 - 08:30	BREAKFAST
08:30 - 12:15	ORAL SESSION 1: ESTABLISHED Session Chairs Gary Gilleskie (NCSU) Sandrine Egli (Lonza) John Puglia (ThermoFisher) Speakers Weifeng, Lin (ThermoFisher Scientific) Workflow for identifying and monitoring antioxidant additives in single-use systems Samuel Dorey (Sartorius) Implementing X-ray for Single Use Systems Sterilization: Current Status Stefan Seidel (Zurich University of Applied Science) Advanced numerical characterization of a wave-mixed bioreactor used in the biopharmaceutical industry Lara, Fernandez-Cerezo (Merck and Co) Design of a Gmp-ready Single-pass Tangential Flow Filtration (sptff) and Inline Diafiltration (ildf) System for Continuous Manufacturing Operations Asmita Pawar (Lonza) Emerging trends in single use technology for manufacturing of antibody-drug conjugates
12:15 – 1:15	LUNCH

Monday, September 11, 2023, Afternoon

1:45	DUCK BOAT TOUR, by the Hyatt on Avenue de Lafayette
4:00 - 4:45	POSTER FLASH FOR SESSION 1 and 2 Chairs Caitlin Morris (UMLowell) Stephanie Ketcham (BMS) Brendan Lucey (Entegris)
4:45 - 6:15	POSTERS SESSION 1 With drinks and snacks FREE EVENING

Tuesday, September 12, 2023, Morning

07:00 - 08:30	BREAKFAST
08:30 - 12:15	<p>ORAL SESSION 2: EMERGENT</p> <p>Session Chairs</p> <p>Mark Blenner (UDEL) Shawn Wang (Kite Pharma) Takeshi Nishiura (Northwest Fluid Solutions)</p> <p>Speakers</p> <p>Ivie Aifuwa (BMS) Industry partnerships to enable GMP development of novel cell therapy processing tools</p> <p>David Pollard (Sartorius) The Integration of SU, Automation & robotics to enable New Therapy Modalities</p> <p>Noor Muhajid (UCL) The role of membrane chemistry in Lentiviral vector clarification recovery for cell and gene therapies</p> <p>Marcos Sousa (Bayer AG) Impact of Different Single-use Bioreactors in hiPSC Applications</p> <p>Lena Achleitner (University of Natural Resources & Life Sciences, Vienna) 3D printing technology: Supply chain independent single-use plastic ware and bioreactors for cell culture</p>
12:15 - 1:15	LUNCH

Tuesday, September 12, 2023, Afternoon

1:15 - 4:30	<p>ORAL SESSION 3: AGILE</p> <p>Chairs</p> <p>Andrea Rayat (UCL) Christian Wood (Moderna) Jeffrey Carter (Cytiva)</p> <p>Speakers</p> <p>Andreas Castan (Cytiva) Next generation processes: Single use technology and key enablers</p> <p>Todd Andrews (CPC) Leveraging Single-Use Modular Systems to Simplify Assembly Design, Improve Flexibility and Increase Assurance of Supply</p> <p>Armin Hauk (Sartorius) Simplified Extractables and Leachables Assessment Using Prior Knowledge and IT solutions</p> <p>Elizabeth Rainbeau (Amgen) Agile Response to COVID Supply Disruptions to Strengthen Raw Material Resiliency and Ensure Uninterrupted Supply</p>
4:45 - 6:15	<p>POSTERS SESSION 2 With drinks and snacks.</p>
6:30 - 7:30	<p>KEYNOTE SPEAKER</p>
7:45	<p>BANQUET DINNER AND POSTER AWARD University of Massachusetts Faculty Club Restaurant</p>

Wednesday, September 13, 2023, Morning

07:00 - 08:30	BREAKFAST
08:30 - 12:15	SESSION 4: SUSTAINABLE Chairs Margaret Sobkowicz-Kline (UMLowell) Philip Smith (GSK) Nelly Montenay (Sartorius) Speakers Matteo Alaria (Sartorius) Driving Environmental Sustainability in the Biopharmaceutical Industry Mark Smith (ThermoFisher Scientific) Process sustainability through new technologies: Single-use centrifuge implications on process and product efficiency Valeska Haux (Südpack) Can sustainability concepts for food packaging be used as a benchmark for single use packaging in the biotech industry? Jonathan Molinari (GSK) How EcoDesign methodologies can be leveraged to reduce the carbon footprint throughout a product lifecycle Nicole Hunter (Watson Marlow) Bioreactivity testing in single use technologies; industry position paper
12:15 - 12:30	CHAIRS' CLOSING REMARKS
12:30 - 1:30	LUNCH and DEPARTURE

Wednesday, September 13, 2023, Afternoon – OPTIONAL

As we have in years past, we are offering ECI SUT VI participants the chance to tour an industry site right after the conference ends. This year we have two different tour options on offer:

1. Repligen, a single-use supplier
2. Landmark Bio, a CDMO using single-use technologies to manufacture therapeutics