

# ***Preliminary Program***

(15-05-2023)

## **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**

32 Broadway, Suite 314 - New York, NY 10004, USA [www.engconfintl.org](http://www.engconfintl.org) –

[info@engconfintl.org](mailto:info@engconfintl.org)

**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	<b>ORAL SESSION 1: ESTABLISHED</b>  Session Chairs  Gary Gilleskie (NCSU) Sandrine Egli (Lonza) John Puglia (ThermoFisher)  Speakers  <a href="#">Weifeng, Lin (ThermoFisher Scientific)</a> Workflow for identifying and monitoring antioxidant additives in single-use systems  <a href="#">Samuel Dorey (Sartorius)</a> Implementing X-ray for Single Use Systems Sterilization: Current Status  <a href="#">Stefan Seidel (Zurich University of Applied Science)</a> Advanced numerical characterization of a wave-mixed bioreactor used in the biopharmaceutical industry  <a href="#">Lara, Fernandez-Cerezo (Merck and Co)</a> Design of a Gmp-ready Single-pass Tangential Flow Filtration (sptff) and Inline Diafiltration (ildf) System for Continuous Manufacturing Operations  <a href="#">Asmita Pawar (Lonza)</a> 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	<b>POSTER FLASH FOR SESSION 1 and 2</b>  Chairs  Caitlin Morris (UMLowell) Stephanie Ketcham (BMS) Brendan Lucey (Entegris)
4:45 - 6:15	<b>POSTERS SESSION 1</b> With drinks and snacks  <b>FREE EVENING</b>

**Tuesday, September 12, 2023, Morning**

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

**Tuesday, September 12, 2023, Afternoon**

1:15 - 4:30	<p><b>ORAL SESSION 3: AGILE</b></p> <p>Chairs</p> <p>Andrea Rayat (UCL) Christian Wood (Moderna) Jeffrey Carter (Cytiva)</p> <p>Speakers</p> <p><a href="#">Elizabeth Rainbeau (Amgen)</a> Agile Response to COVID Supply Disruptions to Strengthen Raw Material Resiliency and Ensure Uninterrupted Supply</p> <p><a href="#">Armin Hauk (Sartorius)</a> Simplified Extractables and Leachables Assessment Using Prior Knowledge and IT solutions</p> <p><a href="#">Andreas Castan (Cytiva)</a> Next generation processes: Single use technology and key enablers</p> <p><a href="#">Jasmin Samarras (MSD)</a> Modular and flexible single use design in an end-to-end continuous manufacturing platform</p>
4:45 - 6:15	<p><b>POSTERS SESSION 2</b> 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	<b>SESSION 4: SUSTAINABLE</b>  Chairs  Margaret Sobkowicz-Kline (UMLowell) Philip Smith (GSK) Nelly Montenay (Sartorius)  Speakers  <a href="#">Matteo Alaria (Sartorius)</a> Driving Environmental Sustainability in the Biopharmaceutical Industry  <a href="#">Mark Smith (ThermoFisher Scientific)</a> Process sustainability through new technologies: Single-use centrifuge implications on process and product efficiency  <a href="#">Valeska Haux (Südpack)</a> Can sustainability concepts for food packaging be used as a benchmark for single use packaging in the biotech industry?  <a href="#">Jonathan Molinari (GSK)</a> How EcoDesign methodologies can be leveraged to reduce the carbon footprint throughout a product lifecycle  <a href="#">Nicole Hunter (Watson Marlow)</a> 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