

Preliminary Program

September 14, 2026

Single Use Technologies VIII

October 12 - 15, 2026

Montreal, P.Q., Canada

Conference Chairs

Gary Gilleskie, North Carolina State University, USA

Nelly Montenay, Sartorius, France

Phillip Smith, GSK Biopharm, USA



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Monday, October 12, 2026

11:00 - 13:00	Conference Registration Check-in (Foyer 1)
13:00 - 13:15	Chairs' opening remarks (Saisons A&B) Phillip Smith, GSK Biopharm R&D Clinical Manufacturing Pilot Plant; Nelly Montenay, Sartorius; Gary Gilleskie, North Carolina State University
	<u>Session 1: Ensuring Quality in Single-use Manufacturing (Saisons A&B)</u> Session Chairs: Sade Mokuolu, Watson-Marlow Fluid Technology Group; Ekta Mahajan, Gilead Sciences
13:15 - 13:30	Session Introduction
13:30 - 14:00	Introduction to quality aspects: End-user and supplier perspectives in single-use technologies Ekta Mahajan, Gilead, USA, and Sade Mokuolu, Watson-Marlow Fluid Technology Group
14:00 - 14:30	Applying Quality by Design (QbD) principles to ensure lifecycle control of single-use systems Sade Mokuolu, WMFTS, USA
14:30 - 15:00	Toward a disposable OFDR-based optical fiber pH sensor integrated into single-use bioprocess bags Xingwei Wang, UMass Lowell, USA
15:00 – 15:30	Coffee Break
15:30 - 16:00	Enabling diffusion-based integrity testing of small-area sterilizing filters in a single-use assembly Anand Alembath, MilliporeSigma, USA
16:00 - 16:30	Enhancing SUS quality through particulate characterization, risk analysis, and inspection alignment Snehal Parikh, Gilead Sciences, USA
16:30 - 17:00	Towards digital twins of X-ray sterilization processes: Insights from Monte Carlo dose simulations Samuel Dorey, Sartorius Stedim FMT SAS, France
17:00 – 17:15	Stretch Break
17:15 – 18:00	Poster Intro & Flash Poster Presentations Session Chairs: Andrea Rayat, University College London; Stefan Bardeck, Mettler – Toledo Process Analytics
18:15 - 19:00	Welcome Reception (Foyer 1)
19:00 - 20:30	Welcome Dinner (Printemps)
20:30 – 22:00	<u>Poster Session 1</u> (Pierre de Coubertin) Session Chairs: Andrea Rayat, University College London; Stefan Bardeck, Mettler – Toledo Process Analytics

Tuesday, October 13, 2026

07:00 - 08:15	Breakfast (Printemps)
	<u>Session 2: Intelligent Manufacturing: The Synergy of Automation and Single-Use. (Saisons A&B)</u> Session Chairs: Cameron K. Graham, Agilent Advanced Therapeutics; Marcus Bayer, Hamilton Bonaduz AG
08:15 – 08:30	Session Introduction / Foundational talk: Automation in the single-use industry in past and present Marcus Bayer, Hamilton, Switzerland
08:30 - 09:00	The BAD project: Towards a grand 'unifying theory' of protein adsorption using data mining, machine learning, and empirical correlations Dan Nicolau, McGill University, Canada
09:00 - 09:30	Reinventing early-stage single use technology Govind Rao, University of Maryland, Baltimore Campus, USA
09:30 - 10:00	Representative scale-down modeling across bioreactor platforms using the 5 L DynaDrive S.U.B. Alexander Vrbancic, Thermo Fisher Scientific, USA
10:00 – 10:30	Coffee Break
10:30 - 11:00	Enabling next-generation ex vivo cell therapy manufacturing through real-time inline viable cell density monitoring using single-frequency dielectric spectroscopy Katharina Dahlmann, Hamilton Bonaduz AG, Switzerland
11:00 - 11:30	Advanced model process automation control: Simulated then spectroscopic-model-based decisions in a continuous bioprocess Stuart Tindal, Sartorius, Germany
11:30 - 12:00	Programmable cellular state transitions enable high-yield CHO bioprocessing in single-use systems Rita Singh, Translational Health Science and Technology Institute, India
12:00 - 13:30	Lunch (Printemps)
13:30 - 18:00	Conference Excursion
19:00 – 20:30	Dinner (Printemps)
20:30 - 22:00	<u>Poster Session 2 (Pierre de Coubertin)</u> Session Chairs: Andrea Rayat, University College London; Stefan Bardeck, Mettler – Toledo Process Analytics

Wednesday, October 14, 2026

07:00 - 08:15	Breakfast (Printemps)
	<u>Session 3: Green Frontier - Innovating Single-use for a Sustainable Future (Saisons A&B)</u> Session Chairs: Jon Molinari, GSK; Magali Barbaroux, Sartorius
08:15 – 08:30	Session Introduction
08:30 - 08:55	Introduction to the Green Frontier: Innovating Single-Use for a Sustainable Future Jonathan Molinari, GSK, France and Magali Barbaroux, Sartorius
08:55 - 09:20	Toward Closed-Loops with Polycarbonate Pierre Moulinie, Covestro LLC, USA
09:20 - 09:45	Greener by design: Predicting how manufacturing mode and technology transition shape single-use plastic footprint in biopharmaceutical production Andrew Sinclair, BioPharm Services, UK
09:45 – 10:10	Advancing bio-circular, circular plastics and recycling in single-use systems: environmental benefit, product carbon footprint, and risks considerations Lucie Delaunay, Sartorius Stedim FMT, Italy, and Roberta Tosato, Sartorius, Italy
10:10 – 10:40	Coffee Break
10:40 - 11:05	Towards net zero single-use manufacturing: Scenario-based hotspot identification and mitigation pathways Niklas Jungnelius, Cytiva, Sweden
11:05 - 11:30	Debottlenecking shelf life of components for sustainable single-use solutions Marcus Bayer, Hamilton, Switzerland
11:30 - 11:55	Biopharma recycling single use technologies: How to build a circular pathway Jacqueline Hollands, MilliporeSigma, USA
12:00 - 13:15	Lunch (Printemps)
13:15 – 15:30	WORKSHOP: The Big Questions Surrounding the Future of Single-Use (Saisons A&B) Session Chairs: Chris Clark, BioProcess Systems Alliance; Dan Stanton, Sartorius
15:30 – 16:30	<u>Keynote (Saisons A&B)</u> HUMANS ^{AI} Jake Herway, Healthcare Innovation at ValueAdd Group
16:30 - 19:15	Break
19:15 - 20:00	Gala Reception (Foyer 1)
20:00 - 22:00	Gala Dinner & Poster Awards (Saisons A&B)

Thursday, October 15, 2026

07:00 - 08:15	Breakfast (Printemps)
	<u>Session 4: End-User Journey with Single-use Systems (Saisons A&B)</u> Session Chairs: Chad Varner, Sanofi; Miriam R. Monge, Sartorius
08:15 – 08:30	Session Introduction
08:30 - 09:00	Implementing single-use systems for continuous manufacturing Lisa Connell-Crowley, Just-Evotec Biologics, USA
09:00 - 09:30	Engineering the next generation of bioprocessing: performance and sustainability outcomes from continuous manufacturing operations Priyanka Gupta, Sartorius Stedim Biotech, USA
09:30 - 10:00	Single use mixer parameter optimization to prevent copper precipitation in feed media Ishmael Ordonez, Fujifilm Biosciences, USA
10:00 – 10:30	Coffee Break
10:30 - 11:00	Scale-up of a high-density cell culture process via computational modeling and scale-down model validation Hironori Nishino, Daiichi Sankyo Co., Ltd., Japan
11:00 - 11:30	Feasibility of disposable container re-use in a large-scale single-use manufacturing facility Brian Youchak, Eli Lilly and Company, Ireland
11:30 – 12:00	<u>Panel discussion:</u> Wrap up from the 4 sessions, suggestion of new topics for next conference
12:00 – 12:10	Chairs' Closing Remarks
12:10 - 13:30	Lunch (Printemps) Departures