Tuesday, April 26

10:30am – 11:30am **ROUNDTABLE - Deciding on Single-Use vs. Stainless Steel Strategy; What the CMOs Know that Biopharma Needs (Part 2)**
Chairperson: Eric S. Langer, Managing Partner, BioPlan Associates
Panelists: Daniel Vellom, Senior Director, Global Technology Innovation, Sanofi Pasteur
Sue Behrens, Senior Director, Process Technology, IPS – Integrated Process Solutions, Inc.
Bill Hartzel, Director, Strategic Execution, Catalent Pharma Solutions
John Ward, Vice President, Engineering, Patheon

11:30pm-12:00pm **Qualification and Application for Single-Use In-Line Sensors in Bioprocessing**
Speaker: Jim Furey, General Manager, PendoTech

11:30pm-12:00pm **ROUNDTABLE - Single-Use Harmonization Town Hall – Coordination of SUS Standards and Best Practice Efforts**
Chairperson: James D. Vogel, Founder and Director, The BioProcess Institute
Panelists: Mike Johnson, Business Development Engineering Manager, Entegris

12:00pm-1:00pm **Benchtop Scale Single-Use Bioreactor (SUB) System for Recombinant Protein Production**
Speaker: Mark Arjona, Product Manager, Biotechnology

1:00pm-1:20pm **The Evolution of Upstream Processing: Mitigating Risk through Single-Use and Cell Culture Technologies**
Speaker: Josh Hays, Senior Global Sales Development Consultant, Upstream Portfolio, MilliporeSigma

1:20pm-1:40pm **Significant Technology Advances Enabling Integrated Continuous BioProcessing**
Speaker: Peter Levison, Senior Director, Pall Life Sciences

1:40pm-2:00pm **Best Practices for Developing Single-Use TFF Steps**
Speaker: Parvez Khan, System Sales Specialist, Parker domnick hunter Filtration North America

Wednesday, April 27

11:00am-11:20am **Delivering Unique Sterile Primary Container Closures with Advanced Aseptic Manufacturing**
Speaker: Bill Hartzel, Director – Strategic Execution, Catalent Pharma Solutions

11:20am-11:40am **Minimizing Particulate Contamination during Sterile Filling**
Speaker: Eduard Noguera, Managing Director, Grifols

11:40am-12:00pm **Utilizing Environmental Monitoring to Ensure Facility State of Control**
Speaker: James D. Vogel, Founder and Director, The BioProcess Institute

**TRAINING SYMPOSIUM**

**Getting the Most in Training for New Technologies**
12:00pm – 2:00pm

12:00pm – 12:10pm **Introductory Remarks**
Speaker: Gary Gilleskie, PhD, Director Operations, Biomanufacturing Training and Educational Center (BTEC), North Carolina State University
Speaker: Brian Caine, Co-Founder and Publisher, BioProcess International

12:10pm – 12:30pm **Process-Oriented Training in Single-Use Technology**
Speaker: Gary Gilleskie, PhD, Director Operations, Biomanufacturing Training and Educational Center (BTEC), North Carolina State University

12:30pm – 12:50pm **Effective Theory-Based Training for Operators**
Speaker: David Yarley, Director of Bioprocess Training and Validation Academy, FujiFilm Diosynth Biotechnologies

12:50pm – 1:10pm **The Challenge of Automation Competency**
Speaker: Scott Sommer, Technical Fellow – Automation and Controls, Renmatix

1:10pm – 1:30pm **Beyond Read and Understand – Moving Training from Compliance to Performance**
Speaker: Chad Cooper, Director of Manufacturing, Biogen

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**PENDO TECH**
Adding Value to Your Process

**PANEL DISCUSSION: How Training Investments Pay Off**
Moderator: James D. Vogel, Founder and Director, The BioProcess Institute
Panelists: Gary Gilleskie, PhD, Director Operations, Biomanufacturing Training and Educational Center (BTEC), North Carolina State University
David Yarley, Director of Bioprocess Training and Validation Academy, FujiFilm Diosynth Biotechnologies
Scott Sommer, Technical Fellow – Automation and Controls, Renmatix
Chad Cooper, Director of Manufacturing, Biogen
Bioprocess International Theater

Presenting Companies

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### BioProcess Equipment

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