**SINGLE USE TECHNOLOGIES IV WEBINAR**

**MAY 25, 2021**

*SCHEDULE BASED ON NEW YORK TIME*

10.00 – 10.10 “INTRODUCTION”

Magali Barbaroux (Sartorius, France), Weibing Ding (GSK, USA) and Martina

Micheletti (UCL, UK)

10.10 – 10.15 Single-Use Advantages in Continuous and Connected Processing

Session Chairs: Peter Levison (Pall Biotech, UK)

 Mark Brower, (Merck, USA)

10.15 – 10.35 “Benefits and challenges associated with constructing small-scale single use

 bioreactor model for high cell density perfusion”

 Matthew Manahan (Merck Sharpe & Dohme, Inc., USA)

10.35 – 10.55 “SymphonX ™: A multifunctional downstream single-use purification system for

 connected and integrated continuous processing”

Charles Heise (FUJIFILM Diosynth Biotechnologies, UK)

10.55 - 11.15 “Developing further digital integration into a flexible, automated and integrated continuous downstream purification platform”

 Simon Hawdon (CPI, UK)

11.15 - 11.35 “Regulatory and quality aspects of continuous bioprocessing using single-use

 solutions”

 Britta Manser (Pall, Switzerland)

11.35 - 11.40 Single-Use Adoption in Emerging Applications

Session Chairs: Diego Schmidhalter (Lonza, Switzerland)

 Qasim Rafiq (University College London, UK)

11.40 - 12.00 “Cell therapy manufacturing single use components: Implementation and

 considerations”

Eytan Abraham (Lonza, USA)

12.00 – 12.20 “Single-use technologies – the key to cost effective manufacture of gene therapy

 products”

 Tania Pereira Chilima (Univercells, Belgium)

12.00 – 12.20 “3D printed single-use bioreactors for the cultivation and maturation of large

 bio-printed tissue”

 Laura Chastagnier (ICBMD/3d.FAB, France)

12.40 – 13.20 Q & A

13.20 – 13.30 Wrap-up