



Hamilton Bonaduz AG Industry Educational Session

Tuesday 25 June 2024

13:50 – 14:30

Room – Lammermuir 1

Should Dissolved CO₂ Be a Critical Process Parameter? Unpacking the Impact: An Analysis of Recent Research in Cell Culture Applications

This 45 minute session will explore the significance of real-time monitoring of dissolved CO₂ as a Critical Process Parameter (CPP) within biopharmaceutical manufacturing with cell culture, specifically focusing on benefits for scaling up/down and extended perfusion operations. It will highlight recent research, showing that accurate control of dissolved CO₂ levels is crucial for optimizing cell culture conditions, ensuring efficient process scalability, and maintaining long-term productivity.

Speakers: Prof Dr Thomas Villiger, Lecturer In Bioprocess Technology and Team Leader Bioprocess Technology – School of Life Sciences FHNW – Institute for Pharma Technology Muttrenz (Switzerland).

Mr Giovanni Campolongo, Senior Segment Manager Process Analytics Biopharma – Hamilton Bonaduz AG