

I want to learn about:

AI & COMPUTATIONAL TOOLS IN BIOPROCESSING

Manufacturing Strategy & Digitalization

'Advanced Process Data Analytics for End-to-End Biopharmaceutical Manufacturing'

This presentation will explore methodologies for applying data analytics and machine learning tools to analyze biomanufacturing datasets, focusing on monoclonal antibody production.

Moo Sun Hong - Assistant Professor, Seoul National University

Click on each talk to check out the full abstract and explore the whole event agenda

Manufacturing Strategy & Digitalization

'Physics-Informed Artificial Intelligence: A Groundbreaking Technology in the Biopharmaceutical Industry'

This presentation will showcase one of the first applications of physics-informed AI in bioprocessing, featuring practical case studies developed in collaboration with industrial partners.

Ignasi Bofarull-Manzano - CMC Data Scientist and Consultant, Körber Pharma

Cell Culture & Upstream Processing

'Accelerating Ambr250 upstream scale-down model development using its high throughput capabilities, DoE and predictive modelling'

A fast approach to the establishment, qualification, and optimization of Ambr250 upstream scale-down models. Development was accelerated using the high throughput capabilities and simultaneous experiment option of the Ambr250, intensified DoE and JMP predictive modelling.

Imke Vohs - Scientist Engineering USP, MSD

Manufacturing Strategy & Digitalization

'Smart Workflows: From Planning to Actionable Insights - How Digital Process Twins Drive Decision-Making in Industry 4.0'

This presentation explores several use cases demonstrating the impact of smart workflows for a wide range of products, from monoclonal antibodies to cell and gene therapies.

Dr. Mark Duerkop - Chief Executive Officer, Novasign

Manufacturing Strategy & Digitalization

'Bioreactor Digital Twins for Process Simulation'

The developed digital twins can then be used to simulate operation under various conditions, and can support scale-up, transfer, experiment planning, small-scale model development, process characterization, and for troubleshooting.

Andrej Pohar - Senior Expert Science & Technology, Novartis

BIOPROCESSING MASTERED

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