

# BIOPROCESSING

APRIL 7, 2021



Date	Time	Track	Presentation Title	Speaker
7-Apr	07:30 - 08:30 AM	Downstream Processing	Keynote Presentation: A Convenient Self-Cleaving Affinity Tag for Research and Manufacturing Applications	David Wood Professor, Chemical and Biomolecular Engineering, Ohio State University
7-Apr	09:00 - 10:00 AM	Upstream Processing	Keynote Presentation: Doing more with less - Maximizing Phase Appropriate DOE Strategies	Patricia McNeill Associate Director, Culture Development Seattle Cell Culture Development, Lundbeck Seattle BioPharmaceuticals, Inc
7-Apr	10:30 - 11:30 AM		An Evolution in Disposable Solutions	Buzz Lobbezoo Product Support and Development Manager at Astrea Bioseparations Ltd.
7-Apr	12:00 - 01:00 PM		Optimizing Transfection to Generate High-Titer AAV and Lentiviral Vectors	Sandy Tseng, PhD Technical Support Scientist (Mirus Bio)
7-Apr	12:00 - 12:45 AM	Upstream Processing	A Chinese hamster transcription start site atlas that enables targeted editing of CHO cells	Isaac Shamie PhD Candidate, Bioinformatics & Systems Biology, University of California, San Diego
7-Apr	12:00 - 12:45 AM	Manufacturing	A Next Generation Simulation Tool for the Characterization and Optimization of gassed and/or stirred Bioreactors	Christian Witz, Ph.D. Head of the Computational Bioprocess Engineering Group at the Institute for Process and Particle Engineering, Graz University of Technology
7-Apr	12:00 - 12:45 AM	Cell and Gene Therapies	Anti-fibrotic materials for immunoprotected cell-based therapies	Matthew Bochenek, Ph.D. Post-doctoral Fellow Boston Children's Hospital - Harvard; Affiliate researcher - MIT

7-Apr	12:00 - 12:45 AM	Upstream Processing	Characterisation and Scale Translation of a parallel Microbioreactor System for Cell Culture Process Development	Frank Baganz, PhD Associate Professor in Fermentation and Cell Culture, Department of Biochemical Engineering University College London
7-Apr	12:00 - 12:45 AM	Cell and Gene Therapies	Development of Potency Assays for Cell and Gene Therapy	Nagarjun Kasaraneni, PhD Scientist, Technical Operations, Sana Biotechnology
7-Apr	12:00 - 12:45 AM	Manufacturing	From experiments, data, hybrid models, and digital twins. Several up- and downstream success stories highlighting the benefits of using advanced process modeling	Mark Dürkop, PhD CEO Novasign GmbH, Project Lead BOKU - Department of Biotechnology, University of Natural Resources and Life Sciences, Vienna
7-Apr	12:00 - 12:45 PM	Downstream Processing	Model-based Control for Continuous Viral Inactivation of Biopharmaceuticals	Moo Sun Hong, MS Researcher at the Massachusetts Institute of Technology (MIT)
7-Apr	12:00 - 12:45 AM	Upstream Processing	Model-Based Design of Mammalian Cell Culture Media: Demonstration for GS-NS0 Cell Line	Sakis Mantalaris, PhD, FAIMBE Professor, BioMedical Systems Engineering Laboratory, Wallace H. Coulter Department of Biomedical Engineering, Georgia Institute of Technology
7-Apr	12:00 - 12:45 AM	Analytical and Quality	Niosomes as a bilayer nanocarrier for combinative drug delivery	Pratik Kulkarni, PhD Research scholar, National Forensic Sciences University (NFSU)