

VIRTUAL EVENT SERIES

# BIOPROCESSING

APRIL 3, 2024



Date	Time	Track	Presentation Title	Speaker
3-Apr	06:00 - 07:00 AM	Drug Discovery & Preclinical Development	Developing Methods for Comparability Studies of Therapeutic Monoclonal Antibodies. Minimize Time, Maintain Quality with Live Q&A	Kalhari Silva, PhD Head of Scientific Innovation and Research at Custom Biologics
3-Apr	07:30 - 08:30 AM	Cell, Gene and Nucleic Therapies (Novel Modalities)- Manufacturing and Analytics	Complete Toolbox for Gene Therapy Development with Live Q&A	Roumen Bogoev, MSc Head of Segment Marketing, GenScript USA
3-Apr	09:00 - 10:00 AM	Upstream Processing	Keynote Presentation: Mammalian Cell Systems for Production of Therapeutic Proteins and Carbohydrates- Advances in Cell Line Development and Bioprocessing with Live Q&A	Susan Sharfstein Professor of Nanoscale Science and Engineering, Fulbright Global Scholar, College of Nanotechnology, Science & Engineering, University at Albany, State University of New York
3-Apr	10:00 - 11:00 AM		Poster Discussion	Chat Live with Poster Authors!
3-Apr	10:30 - 11:30 AM	Bioprocess Manufacturing	Panel Presentation: An Automated and Fully Integrated Process Analytical Platform for Combined Analysis of N-glycans and Amino Acids to Enable Continuous Manufacturing of Glycosylated	Shishir P. S. Chundawat, PhD Associate Professor, Department of Chemical and Biochemical Engineering, Rutgers University Aditya Narvekar, PhD Post-Doctoral Associate, Prof. Chundawat's lab, Rutgers University
3-Apr	12:00 - 01:00 PM	Upstream Processing	Increasing iPSC Numbers through Systematic Culture Process Optimization in Bioreactors with Live Q&A	Benjamin Wolters, Dr. rer. nat. Research Scientist
3-Apr	01:00 - 02:00 PM	Cell, Gene and Nucleic Therapies (Novel Modalities)- Manufacturing and Analytics	Advanced Solutions for mRNA Vaccine Development with Live Q&A	Fengmei Pi, PhD Head of Product Development and Manufacturing, GenScript Innovation Center

3-Apr	02:00 - 03:00 PM	Cell, Gene and Nucleic Therapies (Novel Modalities)- Manufacturing and Analytics	Streamlining Cell and Ex Vivo Gene Therapy Manufacturing: Innovative Solutions from GenScript	Daksha Patel, PhD Senior Segment Marketing Manager, Cell Therapy, GenScript USA Inc.
3-Apr	On Demand	Upstream Processing	Accessible Active Learning and LLMs to enable faster iteration in process development and R&D	Dr. Christopher Grant, EngD Head of Research & Co-Founder of Synthace
3-Apr	On Demand	Analytical & Quality	Analytical Characterization Techniques for Nanoparticle mRNA Therapeutics	Nagarjun Kasaraneni, PhD Scientist, Technical Operations, Sana Biotechnology
3-Apr	On Demand	Bioprocess Manufacturing	Application of AI and Digital Twins for Bioprocessing: Pitfalls and Solution Paths for Accelerated Process Development	Mark Duerkop, PhD CEO Novasign GmbH
3-Apr	On Demand	Upstream Processing	Empowering Process Development for Viral Vector-Based Medicines	Matthias Müllner, PhD CEO & Co-Founder, bespark*bio GmbH
3-Apr	On Demand	Cell, Gene and Nucleic Therapies (Novel Modalities)- Manufacturing and Analytics	Establishing a Non-Viral Manufacturing Process for Chimeric Antigen Receptor (CAR)-T Therapies	Pedro Silva Couto, PhD Post-Doctoral Research Fellow, UCL Biochemical Engineering
3-Apr	On Demand	Down Stream Processing	Purifying Tagless Recombinant Proteins with a Disruptive Self-Removing Affinity Tag Platform	David Wood Professor, Chemical and Biomolecular Engineering, Ohio State University
3-Apr	On Demand	Upstream Processing	Synthetically Primed Adaptation of Bacterial Metabolism to Renewable Sugar Substrates	Pavel Dvořák, PhD Associate Professor and PI, Masaryk University (MUNI)