

# Bioprocessing

VIRTUAL EVENT SERIES

April 5, 2023

| Date  | Time                      | Track   | Presentation Title   | Speaker  |
|-------|---------------------------|---|--|--|
| 5-Apr | 06:00<br>-<br>07:00<br>AM | Cell, Gene and Nucleic Therapies (Novel Modalities) | Efficient, Reliable and Comprehensive Solution for CGT from Target Discovery to Clinical Development with Live Q&A | Daksha Patel, PhD<br>Senior Segment Marketing Manager, Cell Therapy, GenScript USA Inc.  |
| 5-Apr | 06:00<br>-<br>07:00<br>AM | Analytical & Quality                                | The Importance of Digital Lab Platforms and Why Bioprocessing Facilities Need to Adapt Them with Live Q&A          | Tyler Gurney, MS<br>Key Account Manager - Lab Digitization Specialist, eLabNext  |
| 5-Apr | 07:30<br>-<br>08:30<br>AM | Manufacturing                                       | How Digital Bioprocess Twins Can Accelerate Process Development and Enable Model Predictive Control Strategies     | Mark Dürkop, PhD<br>CEO Novasign GmbH, Project Lead BOKU - Department of Biotechnology, University of Natural Resources and Life Sciences, Vienna            |
| 5-Apr | 08:30<br>-<br>09:30<br>AM | Cell, Gene and Nucleic Therapies (Novel Modalities) | Keynote Presentation: Gene Therapy Manufacturing with Live Q&A   | Baley Reeves, PhD<br>Interim Director, National Center for Therapeutics Manufacturing, Texas A&M Engineering   |
| 5-Apr | 09:30<br>-<br>10:30<br>AM | Upstream Processing                                 | Optimizing Clone Selection in Cell Line Development with Live Q&A  | Daryl Cole, PhD<br>Applications Scientist, Sartorius   |
| 5-Apr | 09:30<br>-<br>10:30<br>AM | Drug Discovery & Preclinical Development            | Panel Presentation: Multiple Biomarker Analysis made easy with Luminex Multiplex Applications with Live Q&A        | Stephen Angeloni, PhD<br>Sr. Field Application Scientist, Luminex Corporation<br>Jacqueline Surls, PhD<br>Director of LuminexPLORE Labs, Luminex Corporation |
| 5-Apr | 10:30<br>-<br>11:30<br>AM | Upstream Processing                                 | Keynote Presentation: High-yield Vesicle Packaged Recombinant Protein Production from E. Coli with Live Q&A        | Dan Mulvihill, PhD<br>Professor, Cell and Molecular Biology, University of Kent  |

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| 5-Apr | 12:00<br>-<br>01:00<br>PM | Drug<br>Discovery &<br>Preclinical<br>Development               | Highly Efficient Therapeutic Antibody<br>Development Solution with Live Q&A  | Amanda Grimm, PSM<br>Senior Segment Marketing Manager-ADD, GenScript USA Inc   |
| 5-Apr | 12:00<br>-<br>01:00<br>PM | Upstream<br>Processing  | Human-Induced Pluripotent Stem Cell<br>Expansion in a Stirred 3D System: an<br>Example of Manufacturing Allogeneic<br>Resources for Cell Therapy | Dr. Jorge Escobar<br>Sr. Research Scientist, Bioprocess  |
| 5-Apr | 01:15<br>-<br>02:15<br>PM | Analytical &<br>Quality   | Panel Presentation: N-GLYcanalyzer: An<br>Automated Process Analytical Platform<br>To Enable Continuous Manufacturing Of<br>Biologics            | Áron Györgypál, PhD<br>Research Associate, Bioprocessing & Glycomics, Chemical and Biochemical<br>Engineering, Rutgers University<br>Shishir P. S. Chundawat, PhD<br>Associate Professor, Department of Chemical and Biochemical Engineering,<br>Rutgers University                                  |
| 5-Apr | 01:30<br>-<br>02:30<br>PM | Cell, Gene and<br>Nucleic<br>Therapies<br>(Novel<br>Modalities) | Advanced mRNA Vaccine Solutions by<br>GenScript with Live Q&A  | Roumen Bogoev, MSc<br>Head of Segment Marketing, GenScript USA   |
| 5-Apr | 01:30<br>-<br>02:30<br>PM | Upstream<br>Processing  | Introducing ALiCE® - Simple, scalable,<br>cell-free expression of difficult-to-<br>express proteins with Live Q&A                                | Charles Williams, PhD<br>Head of System Innovation, LenioBio GmbH  |
| 5-Apr | 02:30<br>-<br>03:30<br>PM | Cell, Gene and<br>Nucleic<br>Therapies<br>(Novel<br>Modalities) | Development and Manufacturing<br>Strategy for DNA-Based Drug/Vaccine<br>Candidates with Live Q&A   | Mark Wei, PhD<br>Sr. Director of Plasmid & Virus Process Development & Manufacturing<br>Department, GenScript Probio   |
| 5-Apr | 05:30<br>-<br>05:30<br>AM | Downstream<br>Processing  | 3D Visualisation and Characterisation of<br>Downstream Bioprocessing Structures to<br>Inform Advanced Designs                                    | Thomas F. Johnson, PhD<br>Senior Research Fellow, Biochemical Engineering, University College London   |
| 5-Apr | 05:30<br>-<br>05:30<br>AM | Downstream<br>Processing  | Antibody Purification via the<br>Unconventional Nucleotide Binding Site  | Basar Bilgicer, PhD<br>Professor, Department of Chemical and Biomolecular Engineering, Department<br>of Chemistry and Biochemistry, Mike and Josie Harper Cancer Research<br>Institute, Berthiaume Institute for Precision Health, Center for Rare &<br>Neglected Diseases, University of Notre Dame |
| 5-Apr | 05:30<br>-<br>05:30<br>AM | Upstream<br>Processing  | Developing a Suite of High-throughput<br>Screens for Use in Engineering Bacterial<br>Protein Secretion   | Danielle Tullman-Ercek, PhD<br>Professor, Department of Chemical and Biological Engineering, Co-Director,<br>Center for Synthetic Biology, Director, Master of Biotechnology Program,<br>Northwestern University   |

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| 5-Apr | 05:30<br>-<br>05:30<br>AM | Cell, Gene and Nucleic Therapies (Novel Modalities) | Engineering and Reprogramming Natural Killer Cells for Immunotherapy of Cancer | Sandro Matosevic, PhD<br>Assistant Professor, Department of Industrial and Physical Pharmacy, Purdue University |
| 5-Apr | 05:30<br>-<br>05:30<br>AM | Downstream Processing                               | Purification of Proteins & Peptides by Using Self-removing Tag                 | Izabela Gierach, PhD, MBA<br>CEO, Co-Founder, Protein Capture Science   |