VIRTUAL EVENT SERIES

## BIOPROCESSING

APRIL 3, 2024



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

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