

| Date   | Time PDT       | Track   | Presentation Title  | Speaker   |
|--------|----------------|---|---|---|
| 31-Jan | 6:00-7:00 AM   | Optimizing Cell Culture Technology              | Overcoming Challenges in EuCODE Cell Culture Platform Development   | Weimin Lin, PhD<br>Principal Scientist, Ambrx   |
| 31-Jan | 7:30-8:30 AM   | Optimizing Cell Culture Technology              | Keynote Presentation: Extracellular Vesicle-Mediated mRNA-Based Gene Delivery for Targeted Treatment of HER2-Positive Breast Cancer in Mice by Prodrugs - A New Gene-Delivered Enzyme Prodrug | A.C. Matin, PhD<br>Professor of Microbiology & Immunology, Department of Microbiology & Immunology, Stanford University School of Medicine  |
| 31-Jan | 9:00-10:00 AM  | Optimizing Cell Culture Technology              | Streamlining the Biologics Development Process: From Transient to Stable Production in the ExpiCHO System   | Jon Zmuda, PhD<br>Director, Cell Biology, Life Sciences Solutions Group, Thermo Fisher Scientific   |
| 31-Jan | 10:30-11:30 AM | Optimizing Cell Culture Technology              | Flow-Through Polishing and The Use of Multi-Mode Ligand Libraries to Improve Process Efficiencies   | Buzz Lobbezoo<br>Product Support and Development Manager at Astrea Bioseparations Ltd.  |
| 31-Jan | 10:30-11:30 AM | Bioproduction: Scale, Bioreactors & Disposables | Overcoming Limitations of Conventional Tag Systems - Strep-Tactin® XT Applications  | Dennis Karthaus, MS<br>Scientist and Team Leader, Cell Cultivation, IBA Life Sciences   |
| 31-Jan | 12:00-1:00 PM  | Continuous Processing for Biopharmaceuticals    | From Start to Finish, Bio-Techne Solutions for Bioprocessing  | Christopher Heger, PhD<br>Senior Manager, Applications Science at ProteinSimple, a Bio-Techne Brand   |
| 31-Jan | 1:30-2:30 PM   | Optimizing Cell Culture Technology              | Standardization of Cell Viability Assays in Primary Cells as a Prerequisite for Novel Bioprocessing Applications  | Simon Kaja, PhD<br>Assistant Professor of Ophthalmology and Molecular Pharmacology & Therapeutics, Dr. John P. and Therese E. Mulcahy Endowed Professor in Ophthalmology, Loyola University Chicago |