



| Date   | Time             | Track   | Presentation Title  | Speaker   |
|--------|------------------|---|---|---|
| 16-Oct | 07:30 - 08:30 AM | Emerging Therapeutic Modalities: Current Practices, Challenges, Novel Solutions         | Keynote Presentation: Analytical Challenges and Solutions for Enabling Nanoformulations and Non-Viral Modalities for Next-Generation Therapeutics with Live Q&A | Jelle Penders, PhD<br>CEO   CTO   Founder<br>SPARTA Biodiscovery                              |
| 16-Oct | 09:00 - 10:00 AM | Revolutionary Technologies: Present and Future of Cell and Gene Therapy                 | Keynote Presentation: The Trials & Tribulations of the Clinical Diagnostic Landscape with Live Q&A  | Lesley E. Northrop, PhD,<br>FACMG<br>Chief Diagnostic Officer<br>Everly Health                |
| 16-Oct | 10:00 - 11:00 AM |   | Poster Discussion Hour  | Chat Live with Poster Authors!  |
| 16-Oct | 10:30 - 11:30 AM | Bioanalysis of Novel Therapeutic Modalities: Advancements and Challenges                | Design and Evaluation of a Multiplexed Assay to Assess Human Immunogenicity Against Humira®   | Paul Rhyne, PhD<br>Bioassay Development Lead  |
| 16-Oct | 12:00 - 01:00 PM |   | Navigate CGT Success: Align cGMP Gene Editing with Regulatory Frameworks  | Daksha Patel, PhD<br>Senior Segment Marketing<br>Manager, Cell Therapy,<br>GenScript USA Inc. |
| 16-Oct | 01:00 - 01:30 PM | Revolutionary Technologies: Present and Future of Cell and Gene Therapy                 | Optimization of a CD4+ T Cell Long-term Expansion Process in Stirred-Tank Bioreactors   | Françoise de Longueville<br>Dr. rer. nat.<br>Research Scientist                               |
| 16-Oct | 01:30 - 02:30 PM | Development of Cell and Gene Therapies to Treat, Prevent, and Potentially Cure Diseases | Advanced solutions for the development of Gene Therapies  | Roumen Bogoev, MSc<br>Head of Segment<br>Marketing, GenScript USA                             |
| 16-Oct | On Demand        | Emerging Therapeutic Modalities: Current Practices, Challenges, Novel Solutions         | Gene therapy - Discover how it works, Pros and Cons of Viral Vectors Platforms Genetic Regulation   | Selene Ingusci, PhD<br>Postdoctoral Associate   |
| 16-Oct | On Demand        | Emerging Therapeutic Modalities: Current Practices, Challenges, Novel Solutions         | Hypertonic Saline Remarkably Enhances Gene Transfer to Airway Epithelial Cells  | Ashley Cooney, PhD<br>Postdoctoral Scholar, The<br>University of Iowa                         |

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| 16-Oct | On Demand | Emerging Therapeutic Modalities: Current Practices, Challenges, Novel Solutions         | In Vivo Correction of Human Phenylketonuria Variants via Prime Editing and Base Editing: A Gateway to Equitable Treatment of Inborn Errors of Metabolism | Xiao Wang, PhD<br>Research Assistant<br>Professor of Medicine<br>(Cardiovascular Medicine) |
| 16-Oct | On Demand | Revolutionary Technologies: Present and Future of Cell and Gene Therapy                 | Optimizing Nucleic Acid Extraction: Accelerating Progress and Ensuring Quality in Cell and Gene Therapy Development                                      | Thomas Winkelmüller, PhD<br>Sales Manager, BioEcho<br>Life Sciences                        |
| 16-Oct | On Demand | Development of Cell and Gene Therapies to Treat, Prevent, and Potentially Cure Diseases | The Journey From Discovery to Therapy Begins With a Single Cell  | Egon Ranghini<br>Sr. Science & Technology<br>Advisor                                       |