



| Date   | Time             | Track                         | Presentation Title                                                                                                                           | Speaker                                                                                                                                                                                                                                                 |
|--------|------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21-Sep | 06:00 - 07:00 AM | Organ -On-A-Chip Technologies | Keynote Presentation: Multi-Organ Human on a Chip Systems for Preclinical Efficacy and Toxicity Evaluations with Live Q&A                    | James J. Hickman, PhD<br>Co-founder and Chief Scientist, Hesperos, Inc., Founding Director of the NanoScience Technology Center, Professor of Nanoscience Technology, and Electrical Engineering at the University of Central Florida                   |
| 21-Sep | 07:30 - 08:30 AM | Basic Cell Biology            | Keynote Presentation: Pathogenetic Mechanisms of Neurodevelopmental Disorders Caused by Dysfunction of Intracellular Transport with Live Q&A | Juan S. Bonifacino, PhD<br>Associate Scientific Director Neurosciences and Cellular and Structural Biology Division (NCSBD) Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) National Institutes of Health (NIH) |
| 21-Sep | 09:00 - 10:00 AM | Basic Cell Biology            | A Physiologic Role of $\alpha$ -Synuclein in Synaptic Vesicle Recycling                                                                      | Kayal Madhivanan, PhD<br>Assistant Project Scientist (Roy Lab), University of California, San Diego                                                                                                                                                     |
| 21-Sep | 12:00 - 01:00 PM | BASIC CELL BIOLOGY            | Accelerate Your Research with Luminex's xMAP INTELLIFLEX® - The Technology You Trust, with the Versatility You Need                          | Sherry Dunbar, PhD<br>Senior Director, Scientific Affairs Program, Luminex A DiaSorin Company                                                                                                                                                           |
| 21-Sep | 01:30 - 02:30 PM | Quantitative Cell Biology     | Biophysical Modeling Suggests an Evolutionary Pathway Linking Cytokinesis, Cell Migration, and Axonal Elongation                             | Kyle Miller, PhD<br>Associate Professor, Department of Integrative Biology, Michigan State University                                                                                                                                                   |
| 21-Sep | 06:00 - 06:00 AM | Organ-On-A-Chip Technologies  | 3D Cell Migration using a Microfluidic Endothelium-on-a-Chip Model                                                                           | Kristin Bircsak, PhD<br>Principal Scientist, MIMETAS                                                                                                                                                                                                    |
| 21-Sep | 06:00 - 06:00 AM | Organ-On-A-Chip Technologies  | A PBPK-Compliant Human Intestine-Liver-Brain-Kidney Chip for Drug Development                                                                | Beren Atac Wagegg, PhD<br>Senior Scientist and Project Manager, TissUse GmbH                                                                                                                                                                            |

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| 21-Sep | 06:00<br>-<br>06:00<br>AM | TRANSLATIONAL<br>CELL BIOLOGY   | Clinical Development of Medicinal Signaling Cells (HepaStem®) for Liver Regenerative Therapy                             | Etienne Sokal MD, PhD<br>Hepatologist, Founder and CEO, Cellaion                                                                         |
| 21-Sep | 06:00<br>-<br>06:00<br>AM | Translational<br>Cell Biology   | Development of a Bioincubator for The Large-Scale Production of High-Quality Primary Human Hepatocytes                   | Ryan J. Schulze, Ph.D.<br>Director of Research & Development, Cytotheryx                                                                 |
| 21-Sep | 06:00<br>-<br>06:00<br>AM | Quantitative<br>Cell Biology    | In Vivo Force Measurement with Two, One, Half and Zero GFP                                                               | Yuan Ren, PhD<br>Postdoctoral Associate, Department of Molecular Biophysics and Biochemistry, Yale University                            |
| 21-Sep | 06:00<br>-<br>06:00<br>AM | Basic Cell<br>Biology           | Onco-Golgi and Er Stress: The Drivers of Prostate Cancer Progression                                                     | Armen Petrosyan, MD, PhD<br>Associate Professor, Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center |
| 21-Sep | 06:00<br>-<br>06:00<br>AM | Basic Cell<br>Biology           | Optogenetic Tools for Manipulating Protein Localization and Signaling at Organelle Contact Sites                         | Lorena Benedetti, PhD<br>Research Scientist, Tim Ryan and Jennifer Lippincott-Schwartz Lab, HHMI Janelia Research Campus                 |
| 21-Sep | 06:00<br>-<br>06:00<br>AM | Organ-On-A-Chip<br>Technologies | Predicting Clinical GI Safety Outcomes Using an In Vitro Human Intestinal Epithelial Model                               | Bailey Zwarycz, PhD<br>Associate Director, Scientific Business Development, Altis Biosystems                                             |
| 21-Sep | 06:00<br>-<br>06:00<br>AM | Organ-On-A-Chip<br>Technologies | The Glomerulus-On-A-Chip as a Platform for Disease Modeling, Drug Screening, Biomarker Discovery and Mechanistic Studies | Stefano Da Sacco, PhD<br>Assistant Professor, Keck School of Medicine, University of Southern California                                 |