



| Date   | Time                      | Track                    | Presentation Title                                                                                                                                                 | Speaker                                                                                                                                                                                                                 |
|--------|---------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26-Sep | 06:00<br>-<br>07:00<br>AM | Imaging                  | Quantitative Label-Free Imaging and It's Many Applications                                                                                                         | Peter O'Toole, PhD<br>Director of the Bioscience Technology Facility, Head of Imaging Cytometry, Department of Biology, University of York<br>Rakesh Suman, PhD<br>Biological Applications Scientist at Phasefocus Ltd. |
| 26-Sep | 07:30<br>-<br>08:30<br>AM | Translational Approaches | Keynote Presentation: Molecular Mechanisms of Gene X Environment Interactions: Possible Relevance for Prevention, Diagnosis and Treatment of Psychiatric Disorders | Elisabeth Binder, PhD<br>Director, Max Planck Institute of Psychiatry                                                                                                                                                   |
| 26-Sep | 09:00<br>-<br>10:00<br>AM | Translational Approaches | How to Utilize the Power of CRISPR in Your Research                                                                                                                | Ania Wronski, PhD<br>Product Manager, Engineered Cells, Synthego                                                                                                                                                        |
| 26-Sep | 10:30<br>-<br>11:30<br>AM | Translational Approaches | Trends and Emerging Applications in Single Cell Genomics                                                                                                           | Steven Hoffman<br>Segment Marketing Manager for Single Cell Sequencing, Illumina                                                                                                                                        |
| 26-Sep | 12:00<br>-<br>01:00<br>PM | 3D Cell Cultures         | 3D Cell Cultures and Tissue Clearing: A High Content Confocal Platform for the Complete 3D Characterization of Advanced Cell Models                                | Michael Johnson, PhD<br>President, New Jersey Innovation Institute                                                                                                                                                      |
| 26-Sep | 12:00<br>-<br>01:00<br>PM | Live Cell Dynamics       | Quantifying miRNA and Protein Biomarkers Directly from Challenging Sample Types with FirePlex® Technology                                                          | Brendan Collins, MS<br>Field Scientific Specialist (East), Multiplex Assays, Abcam Inc.                                                                                                                                 |
| 26-Sep | 01:30<br>-<br>02:30<br>PM | 3D Cell Cultures         | Two-Dimensional and Three-Dimensional Cell Culture, Does Dimension Really Matter?                                                                                  | Carlemi Calitz, PhD<br>Post-Doctoral Research Fellow at Phamacen North-West University (NWU)                                                                                                                            |

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| 27-Sep | 06:00<br>-<br>07:00<br>AM | Imaging               | Fighting Against Air: Physiologic Oxygen and Reproducibility                     | Alicia Henn, PhD<br>Chief Scientific Officer, BioSpherix                                                                                                                   |
| 27-Sep | 07:30<br>-<br>08:30<br>AM | Live Cell<br>Dynamics | Keynote Presentation: Mapping the Inner World of the Cell                        | Bo Huang, PhD<br>Professor, Department of Pharmaceutical Chemistry,<br>Biochemistry and Biophysics, University of California,<br>San Francisco                             |
| 27-Sep | 09:00<br>-<br>10:00<br>AM | Imaging               | How Digital Holographic Microscopy Can Be Used to Explore Cell<br>Movements      | Kersti Alm, PhD<br>Application Specialist at Phase Holographic Imaging                                                                                                     |
| 27-Sep | 10:30<br>-<br>11:30<br>AM | Imaging               | Holotomography Techniques for 3D Label-Free Imaging of Live<br>Cells and Tissues | YongKeun Park, PhD<br>Associate Professor, Department of Physics, KAIST,<br>Director, Time-Reversal Mirror Creative Research<br>Center, Co-Founder and CTO, Tomocube, Inc. |
| 27-Sep | 12:00<br>-<br>01:00<br>PM | Cell Therapy          | Development of a Semi-Automated Closed CAR-T Manufacturing<br>Process            | Calley Hirsch, PhD<br>Development Engineer / Scientist II, CCRM                                                                                                            |
| 27-Sep | 01:30<br>-<br>02:30<br>PM | Cell Therapy          | Cilia Abnormalities and Developmental Defects in Lowe<br>Syndrome                | R. Claudio Aguilar, PhD<br>Associate Professor and Assistant Head, Department of<br>Biological Sciences, Purdue University                                                 |