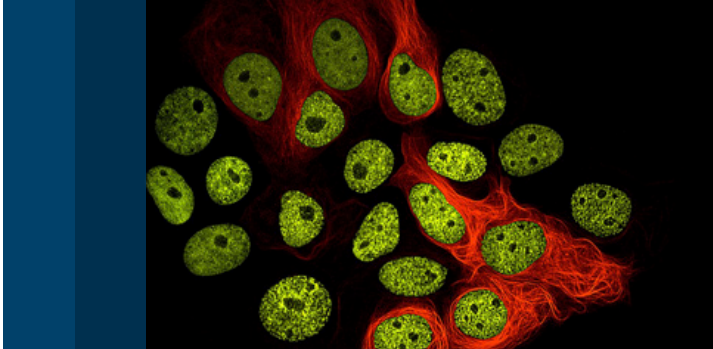


Augmented Microscopy Virtual Summit

Day 1 - April 26, 2023



10 Years | Agilent BioTek
Celebrating a decade of
Imaging & Microscopy

Time (EDT)	Auditorium 1	Auditorium 2	Auditorium 3
8:15 - 8:50 am	<ul style="list-style-type: none"> ● Examination of a Global Transcription Regulator Using Combinatorial Live Cell Imaging and Analysis Tools Prof. Bo Cheng, Lanzhou University, China 	<ul style="list-style-type: none"> ● Imaging Cardiac Vascularized Organoids Dr. Oscar Abilez, Stanford University, USA 	<ul style="list-style-type: none"> ● Using Multi-OMIC Approaches to Drive Target Discovery Dr. Kaylene Simpson, University of Melbourne, Australia
8:55 - 9:30 am	<ul style="list-style-type: none"> ● Selenium Chemical Innovative Drug Design and Precise Cancer Theranostics Dr. Tianfeng Chen, Jinan University, China 	<ul style="list-style-type: none"> ● Image Analysis with Gen5 Dr. Anh Truong, Agilent Technologies 	<ul style="list-style-type: none"> ● The Evolution of Gen5 Image Analysis for Microscopy: From Past to Future Trends Caleb Foster, Agilent Technologies
9:35 - 10:10 am	<ul style="list-style-type: none"> ● Development of DNA-based Nanodevices for Receptor Engineering Dr. Honghui Wang, College of Biology, Hunan University, China 	<ul style="list-style-type: none"> ● Robot-accelerated Materials Discovery Using High-throughput Imaging and Spectroscopy Dr. Emory Chan, Lawrence Berkeley National Laboratory, USA 	<ul style="list-style-type: none"> ● Cytation Technology and Application Diversity Used in Early Drug Discovery Dr. Charles William Amirmansour, Agilent Technologies
10:15 - 10:50 am	<ul style="list-style-type: none"> ● ADCC and CMC Immuno-Oncology Applications Enabled using Agilent BioTek Microplate Reader and Imaging Instrumentation Brad Larson, Agilent Technologies 	<ul style="list-style-type: none"> ● Histology Workflows and Imaging Dr. Amanda Herberger, Agilent Technologies 	<ul style="list-style-type: none"> ● Target-Based Applications and Mechanistic Studies Enabled by Cytation Multimode Reader Optical Systems Dr. Charles William Amirmansour, Agilent Technologies
10:55 - 11:30 am	<ul style="list-style-type: none"> ● A High-Throughput Platform for Evaluating Skeletal Muscle Disease Therapeutics to Combat Muscle Atrophy Karly Caples, University of Florida, USA 	<ul style="list-style-type: none"> ● Expression and Intracellular Translocation of Cancer Biomarkers in Hepatocarcinoma Cells Induced by Changes in Mitochondrial Metabolism Dr. Monika Goz, Medical University of South Carolina, USA 	<ul style="list-style-type: none"> ● High-content Screening for the Discovery of Anti-senescence Compounds Dr. Stevan Stojanović, Hannover Medical School, Germany
11:35 - 12:10 pm	<ul style="list-style-type: none"> ● Modulation of Cartilage Turnover by Autoantibodies and Citrullination in Rheumatoid Arthritis Dr. Gregg Fields, Florida Atlantic University, USA 	<ul style="list-style-type: none"> ● Navigating the Expanding Landscape of 3D Cell Model Systems for Imaging-Based Research Studies Dr. Joe Clayton, Agilent Technologies 	<ul style="list-style-type: none"> ● The Future Belongs to Crazy Ideas and Curious Minds: The Parallel Journeys of BioTek Hardware and Field Applications Mindshare Dr. Diane Kambach, Agilent Technologies
12:10 - 12:40 pm	Ask the Expert: Audience Questions with Agilent BioTek Field Application Scientists		

● Track 1 - Molecular mechanisms of disease and therapeutics

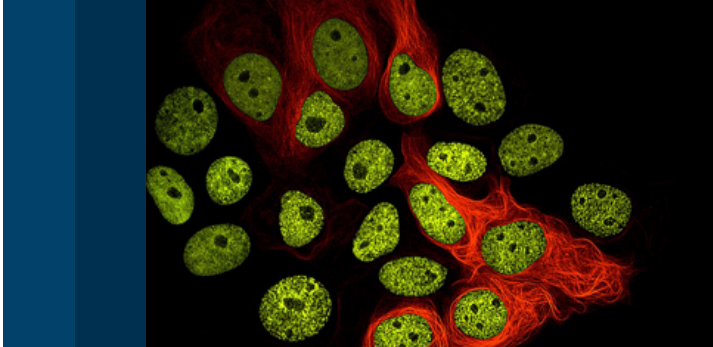
● Track 2 - Innovations in quantitative imaging and research models

● Track 3 - Imaging-based drug discovery and screening applications

● Track 4 - Technological innovations and platform design

Augmented Microscopy Virtual Summit

Day 2 - April 27, 2023



10 Years
Agilent BioTek
Celebrating a decade of
Imaging & Microscopy

Time (EDT)	Auditorium 1	Auditorium 2	Auditorium 3
12:00 - 12:35 pm	<ul style="list-style-type: none"> Cell-based Assays Leading the Way to a New Precision Medicine N-myristoylation Inhibitor Undergoing Human Phase I Clinical Trials in Hematological Cancers and Solid Tumours Dr. Luc Berthiaume, University of Alberta, Canada 	<ul style="list-style-type: none"> High-Throughput Platform Improvement and Lead Evaluation via Protoplast Fluorescence Assays Dr. Stephen Rigoulot Syngenta, USA 	<ul style="list-style-type: none"> Using High-throughput DNA Damage Analyses to Drive Drug Discovery and Translational Cancer Research Studies Dr. Sachin Katyal, University of Manitoba, Canada
12:40 - 1:15 pm	<ul style="list-style-type: none"> Multi-Scale Approach to Quantitatively Evaluate the SMAD Signaling Pathway Dr. Ernest Heimsath, Agilent Technologies 	<ul style="list-style-type: none"> Fluorescent biosensors for quantitative live-cell metabolism Dr. Rebecca Mongeon, Agilent Technologies 	<ul style="list-style-type: none"> Automation Technologies for Microplate-based Assays Jared Amuan, Agilent Technologies
1:20 - 1:55 pm	<ul style="list-style-type: none"> Employing Quantitative Imaging Microscopy to Explore and Exploit Chromosome Instability in Cancer Dr. Kirk McManus, University of Manitoba, Canada 	<ul style="list-style-type: none"> Quantifying Metabolic Changes of Cultured Cells by Imaging Genetically Encoded Fluorescent Sensors with a Cytation5 Multi-well Fluorescence Imager Dr. Jonathan Marvin, Howard Hughes Medical Institute, USA 	<ul style="list-style-type: none"> Targeting the Tumor Milieu to Induce Ferroptosis in Glioblastoma Dr. Charles Williams, University of Maryland, USA
2:00 - 2:35 pm	<ul style="list-style-type: none"> Histone Lysine Demethylase KDM4A as a Driver in Neuroendocrine Prostate Cancer Dr. Guocan Wang, The University of Texas, USA 	<ul style="list-style-type: none"> Tips and Tricks for Live Cell Imaging Dr. Allison Cross, Agilent Technologies 	<ul style="list-style-type: none"> The Next Step in Evolution of Real-Time Live-Cell Analysis Dr. Ryan Raver, Agilent Technologies
2:40 - 3:15 pm	<ul style="list-style-type: none"> Cytation: Digital Cytometry & HTS Screening Capacity to Application Dr. Elizabeth Mazzio, Florida A&M University, USA 	<ul style="list-style-type: none"> Live Cell Imaging: A tool for Optimising, Understanding and Interrogating Prostate Cancer PDX-Derived Organoids Dr. Lorenzo Buroni, The Institute of Cancer Research, UK 	<ul style="list-style-type: none"> Development of a SARS-CoV-2 Pseudovirus Neutralization Assay using Live Cell Imaging and Flow Cytometry Dr. Edward Kwee, National Institute of Standards and Technology, USA
3:20 - 3:55 pm	<ul style="list-style-type: none"> Overview of Regulatory Requirements and Challenges for the Development of Cell-based Immunogenicity Neutralization Assays Matthieu Blanchard, Agilent Technologies 	<ul style="list-style-type: none"> Considerations for Designing your Quantitative Imaging Assays Dr. Soham Parikh, Agilent Technologies 	<ul style="list-style-type: none"> Targeting Cell Metabolism in Early Drug Discovery – A Connected Workflow with Imaging-Based Data Normalization Dr. Reema Vazirani, Agilent Technologies
3:55 - 4:25 pm	Ask the Expert: Audience Questions with Agilent BioTek Field Application Scientists		

● Track 1 - Molecular mechanisms of disease and therapeutics

● Track 2 - Innovations in quantitative imaging and research models

● Track 3 - Imaging-based drug discovery and screening applications

● Track 4 - Technological innovations and platform design