

2025 Yale Spatial Technologies Symposium

Friday, September 12, 2025 – West Campus Conference Center, Orange CT 06477

PRESENTER	TITLE	TIME
	REGISTRATION & BREAKFAST	8:30 AM
	Welcome	9:00 - 9:05 AM
Shrikant Mane, PhD Professor of Genetics; Director, Yale Center for Genome Analysis; Director, MBB Keck Biotech Laboratory, Yale School of Medicine	Opening Remarks	9:05 - 9:10 AM
Bony De Kumar, PhD Research Scientist; Director of Operations, Yale Center for Genome Analysis, Yale School of Medicine	Overview of Spatial Technology at YCGA	9:10 - 9:25 AM
Ioannis Vlachos, PhD Director of Spatial Technologies and Bioinformatics Units, Precision RNA Medicine Core, Beth Israel Deaconess Medical Center; Assistant Professor, Harvard Medical School; Co-Director, Bioinformatics Program, Cancer Research Institute	OPENING KEYNOTE From Patient to Patent: Spatial Tissue Profiling Advancements Redefine Reverse Translation	9:30 - 10:00 AM
Fei Chen, PhD * Assistant Professor, Stem Cell and Regenerative Biology, Harvard University; Core Member, Broad Institute	Genomics in the Tissue Context: Learning From Spatial Heterogeneity	10:00 - 10:30 AM
Illumina Michael G Smith, PhD Senior Executive Sequencing Specialist, Single Cell and Spatial Genomics	PLATINUM SPONSOR HIGHLIGHT Illumina Spatial Technology: Discovery without Compromise	10:30 - 10:50 AM
Dan Gheba Sr Executive Specialist - Informatics	Integrated Informatics for Enhanced Speed, Simplicity, and Scalability	
	COFFEE BREAK	10:50 - 11:00 AM
Singular Genomics Brittini Foster, PhD Field Application Scientist	GOLD SPONSOR HIGHLIGHT High-throughput In-Situ Multiomic Profiling of FFPE Tissues on the G4X Spatial Sequencer	11:00 - 11:10 AM
Naftali Kaminski, MD Boehringer-Ingelheim Inc. Professor of Medicine; Chief, Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine	Mapping Cellular & Communities in Pulmonary Fibrosis	11:10 - 11:30 AM
Marcello DiStasio, MD, PhD Assistant Professor of Pathology and of Ophthalmology; Co-Director, Yale Legacy Tissue Donation Program	High-plex Spatial Analysis of Human Ocular Tissues	11:30 - 11:50 AM
10x Genomics Aleksandar Janjic, PhD Science & Technology Advisor	GOLD SPONSOR HIGHLIGHT Access the Full Richness of Biological Complexity with 10X Genomics Spatial Platforms	11:50 - 12:00 PM
Janis Taube, MD Professor of Dermatology; Co-Director, Tumor Microenvironment Laboratory Bloomberg~Kimmel Institute for Cancer Immunotherapy, Johns Hopkins University	Next-Generation Spatial Biomarkers for Immunotherapy: Astronomy Accelerates Pathology	12:00 - 12:20 PM
Elise Courtois, PhD Director, Single Cell Biology Lab, The Jackson Laboratory; Co-Director CT EndoRISE Program	Endometriosis, Unseen: Mapping the Immune and Neural Landscape of an Invisible Disease	12:20 - 12:40 PM

PRESENTER	TITLE	TIME
	LUNCH – round table discussions & networking	12:40 - 1:40 PM
Brucker Spatial Biology	GOLD SPONSOR HIGHLIGHT	1:40 - 1:50 PM
Prajan Divakar, PhD <i>Senior Director, Product Development</i>	<i>Charting the Spatial Whole Transcriptome Multiomic Frontier</i>	
Kurt Schalper, MD, PhD <i>Associate Professor of Pathology and Medicine; Director, Translational Immuno-Oncology Lab, Yale School of Medicine</i>	<i>Decoding the role of spatial tumor-immune cell interactions in cancer progression and treatment sensitivity</i>	1:50 - 2:20 PM
Tanyeri Barak, MD <i>Assistant Professor, Neurosurgery, Yale School of Medicine</i>	<i>Spatial Multiomic Applications in Cerebrovascular Abnormalities and Patient-Derived Brain Tumor Organoids</i>	2:20 - 2:40 PM
Emma West, PhD <i>Co-Founder and CEO, Digital Biology Inc.</i>	<i>Engineering Spatially Intelligent Immunotherapies for Solid Tumors</i>	2:20 - 2:40 PM
Kristin Beaumont, PhD <i>Associate Director, Center for Advanced Genomics Technology; Associate Professor, Genetics and Genomic Sciences, Icahn School of Medicine at Mount Sinai</i>	<i>High-Resolution Single-Cell and Spatial Analysis of Metastatic Ovarian Cancer</i>	2:40 - 3:00 PM
	COFFEE BREAK	3:00 - 3:10 PM
Element Bioscience	GOLD SPONSOR HIGHLIGHT	3:10 - 3:20 PM
Daniel Doyle, PhD <i>Postdoctoral Fellow, Yale Child Study Center, Yale School of Medicine</i>	<i>Transcriptomic Innovation in Human Brain Development</i>	3:45 - 4:05 PM
Jeffrey Chuang, PhD <i>Professor, The Jackson Laboratory for Genomic Medicine</i>	<i>Predicting Cancer Outcome from Spatial Tissue Analysis</i>	4:05 - 4:25 PM
Lukas M Weber, PhD <i>Assistant Professor, Department of Biostatistics, Boston University</i>	<i>Methods and Analysis Workflows for Spatial Transcriptomics Data Using R/Bioconductor</i>	4:25 - 4:45 PM
Rong Fan, PhD <i>Harold Hodgkinson Professor of Biomedical Engineering and Professor of Pathology, Yale School of Medicine</i>	CLOSING KEYNOTE <i>Ushering in a New Era of Human Biology Driven by Novel Spatial Multi-Omics</i>	4:45 - 5:15 PM
Kurt Schalper, MD, PhD <i>Associate Professor of Pathology; Director, Translational Immuno-Oncology Lab, Yale School of Medicine</i>	Wrap-Up	5:15 - 5:30 PM
	ADJOURN AND RECEPTION	5:30 - 6:30 PM

*presenting virtually