

Organoids and Biocomputing: Exploring New Frontiers through High-Content Electrophysiology | Program

Friday, June 5

15:45 - 16:00	Welcome	
16:00 - 16:10	MxW Talk	From Organoid to Algorithm: MaxWell HD-MEA at the Biocomputing Frontier Dr. Marie Obien MaxWell Biosystems, Switzerland
16:10 - 16:20	Scientific Talk	A Window into the Brain's Primordial Operating System Dr. Tal Sharf University of California, Santa Cruz, United States
16:20 - 16:30	Scientific Talk	Longitudinal High-Density Electrophysiological Profiling of Human Cortical Organoids Reveals Dynamic Network Remodeling Across Hypoxia-Reoxygenation Injury Dr. Dhriti Nagar Anca Pasca Lab, Stanford University, United States
16:30 - 16:40	Scientific Talk	SpikeLab and Habitat: Agentic Tools for a Lab-in-a-Loop on HD-MEA Dr. Spencer Seiler , Dr. Kateryna Voitiuk , Dr. Tjitse van der Molen Open Culture Science, United States
16:40 - 16:50	Scientific Talk	Parvalbumin Interneurons as Drivers of Cortical Circuit Assembly Dr. Mohammed Andres Mostajo-Radji University of California, Santa Cruz, United States
16:50 - 17:00	Scientific Talk	Embedded Organoid System Dr. Mircea Teodorescu , Dr. Yohei Rosen University of California, Santa Cruz, United States
17:00 - 19:00	Reception, Networking & Live Demo “Realtime Spikes and Organoid Showdown” at Kali Stanford	