Agenda.

Monday, October 26, 2020

All times displayed are in Pacific Time (PT)

8:30 - 8:35 AM	**Welcome and Opening Remarks** **Louise Laurent, MD, PhD	UC San Diego**
Session One	**Moderated by Bing Ren, PhD	UC San Diego**
8:35 - 9:20 AM	**Keynote: Long Cai, PhD	Caltech** **"Spatial Genomics: In situ single cell analysis by seqFISH"**
Session Two	**Moderated by Bing Ren, PhD	UC San Diego**
9:20 - 9:45 AM	**Ting Wu, PhD	Harvard Medical School** **"The forest and the trees"**
9:45 - 10:10 AM	**Francisco Quintana, PhD	Harvard Medical School** **"Astrocyte subsets in autoimmune CNS inflammation"**
10:10 - 10:20 AM	**Break**
Session Three	**Moderated by Louise Laurent, MD, PhD	UC San Diego**
10:20 - 10:45 AM	**Rahul Satijia, PhD	NY Genome Institute** **"Integrative analysis of multimodal single-cell data"**
10:45 - 11:10 AM	**John Chang, MD	UC San Diego** **"Using single-cell approaches to elucidate T cell memory in health and disease"**
11:10 - 11:35 AM	**Xin Sun, PhD	UC San Diego** **"Dissecting the Genetic and Epigenetic Control of Lung Development and Disease"**
11:35 - 12:00 PM	**David Van Valen, MD, PhD	Caltech** **"Single cell biology in a software 2.0 world"**
12:00 - 12:10 PM	**Poster Flash Talk: Douglas Shepherd, PhD	Arizona State University** **"Versatile, high-resolution, and large field-of-view oblique plane microscopy for Spatial Omics"**
12:10 - 12:20 PM	**Break**
Session Four	**Moderated by Bing Ren, PhD	UC San Diego**
12:20 - 1:05 PM	**Keynote: Xiaowei Zhuang, PhD	Harvard** **"Spatially resolved single-cell genomics/transcriptomics and cell atlas generation by MERFISH"**
1:05 - 1:15 PM	**Poster Flash Talk: Rohit Singh, PhD	MIT** **"Metric learning enables synthesis of heterogeneous single-cell modalities"**
1:15 - 1:20 PM	**Matthew Riopel, PhD	Sponsor	10x Genomics**

1:20 - 1:30 PM	**Break**
Session Five	**Moderated by Gene Yeo, PhD, MBA	UC San Diego**
1:30 - 1:55 PM	**Sydney Shaffer, MD, PhD	U Penn** "Tracking down the origins of rare therapy resistant cells"
1:55 - 2:20 PM	**Je Lee, MD, PhD	Cold Spring Harbor Laboratory** "Genome-wide Spatial Functional Transcriptomics with Subcellular Resolution Reveals Mechanisms of RNA Localization In Vivo"
2:20 - 2:45 PM	**Katy Börner, PhD	Indiana University** "Mapping Human Anatomical Structures to Cell Types and Biomarkers"
2:45 - 3:10 PM	**Richard Bonneau, PhD	New York University** "Machine learning methods for learning dynamic models from spatial and single cell genomics data"
3:10 - 3:20 PM	**Poster Flash Talk: Sheng Zhong, PhD	UC San Diego** "Natural display of nuclear-encoded RNA on the cell surface and its impact on cell interaction"
3:20 - 3:30 PM	**Closing Remarks** **Gene Yeo, PhD, MBA	UC San Diego**
3:30 - 4:30 PM	**Poster Session**