

PROGRAM AGENDA

DAY ONE, MAY 2

8:00 am - 8:15 am	Welcome & Overview: Sylvia Plevritis, Stanford University School of Medicine
8:15 am - 8:55 am	Andrea Califano: A Systems Biology Approach to Identify Oncogene and Non-oncogene Dependencies in Human Malignancies
8:55 am - 9:35 am	Garry Nolan: 34 Parameter Single-cell Mass Cytometry Delineates Clinically and Mechanistically Relevant Leukemic Differentiation Substructures
9:35 am - 10:15 am	Dean Felsher: Systems Biological Approach to Understanding and Predicting Oncogene Addiction
10:15 am - 10:30 am	Break
10:30 am - 11:10 am	Avi Ma'ayan: The Intersectome: Tools and Ideas about Integrating Knowledge in Systems Pharmacology
11:10 am - 11:50 am	Heiko Enderling: Cancer Stem Cells, Tumor Dormancy and Self-metastatic Growth
11:50 am - 1:05 pm	Lunch
1:05 pm - 1:45 pm	Daphne Koller: A Model of Differential Regulation in Immune Cell Development and Disease Progression
1:45 pm - 2:25 pm	Andrew Gentles: A Global Cancer Map of Associations Between Gene Expression and Clinical Outcomes
2:25 pm - 3:05 pm	Robert Krensel: XVIVO - Scientific Animation of the Inner Life of a Cell
3:05 pm - 3:20 pm	Adjourn/Break

DAY TWO, MAY 3

8:00 am - 8:15 am	Welcome & Overview: Sylvia Plevritis, Stanford University School of Medicine
8:15 am - 8:55 am	Scott Armstrong: Inappropriate Expression of Stem Cell Programs During Leukemia Development
8:55 am - 9:35 am	Ravi Majeti: Computational and Functional Approaches to Investigation of Leukemia Stem Cells in AML
9:35 am - 9:55 am	Jonathan Irish: Computational Detection of Aggressive Cancer Cell Subsets defined by Abnormal Signaling*
9:55 am - 10:15 am	Break
10:15 am - 10:55 am	Eric Schadt: A Multi-Scale Biology Approach for Linking the Molecular Biology of Disease to Clinical Medicine
10:55 am - 11:35 am	Steve Horvath: Weighted Gene Co-Expression Network Analysis of Multiple Independent Lung Cancer Data Sets
11:35 am - 12:15 pm	Sylvia Plevritis: Inferring Biological Progression from High Dimensional Molecular Data
12:15 pm - 1:45 pm	Lunch
1:45 pm - 2:05 pm	Tomer Kalisky: Single-cell Gene Expression in Normal and Cancer Stem Cells*
2:05 pm - 2:25 pm	Paul Diehl: Identification of Essential Genes in Prostate Adenocarcinoma and Leukemic Cell Lines using RNAi Screening*
2:25 pm - 2:45 pm	Debashis Sahoo: Systematic Identification of Novel Markers of Differentiation in Human Bladder Cancer that Predict Survival*
2:45 pm - 3:05 pm	Karen Sachs: Signaling Across Hematopoiesis: The Network Perspective*
3:05 pm - 3:15 pm	Adjourn/Closing Remarks

*Selected Short Talks