SUNDAY, MAY 16
Arrival and Registration

MONDAY, MAY 17
Welcome and Keynote Address
Speaker to be Announced

Clinical Genomics
Todd R. Golub, Broad Institute, USA
Tumor Evolution, Clonality and Drug Response
Elli Papaemmanuil, Memorial Sloan Kettering Cancer Center, USA
Leukemia Genomics
Jaclyn A. Biegel, Children's Hospital Los Angeles and Keck School of Medicine of USC, USA
Genomic Landscape of Pediatric Tumors

Short Talk(s) Chosen from Abstracts

Workshop 1: Cancer Biology at the Single-Cell Scale
Short Talks Chosen from Abstracts

Targeting Novel Mechanisms
John V. Heymach, University of Texas MD Anderson Cancer Center, USA
LKB1/STK11 Axis in Precision Immunotherapy
Speaker to be Announced
Scott W. Lowe, Memorial Sloan Kettering Cancer Center, USA
Non-Cell Autonomous Tumor Control via Senescence
Short Talk(s) Chosen from Abstracts

POSTER SESSION 1

TUESDAY, MAY 18
Creating Value from Liquid Biopsies
Valsamo Anagnostou, Johns Hopkins University School of Medicine, USA
Harnessing Tumor Evolution and Immune Responses to Treat Lung Cancer
Christoph Lengauer, Third Rock Ventures, USA
Personalized Medicine When Genomics Won't Help
Arul M. Chinnaian, University of Michigan, USA
Circular RNA in Cancer
Nicola Aceto, University of Basel, Switzerland
Molecular Signatures of Circulating Tumor Cells in Metastasis
Short Talk(s) Chosen from Abstracts

Clinical Trials and Overcoming Resistance
Alice T. Shaw, Massachusetts General Hospital Cancer Center, USA
Resistance to Non-Small Cell Lung Cancer Therapies
Alberto Bardelli, University of Torino, Italy
Targeting Colorectal Cancer Evolution
Massimo Cristofanilli, Northwestern University, USA
Revisiting the Cancer Cell Cycle
Short Talk(s) Chosen from Abstracts

WEDNESDAY, MAY 19
Emerging Technologies
Nir Yosef†, University of California, Berkeley, USA
Dissecting Immune Cell Function
Kevin P. White, Tempus, Inc., USA
Artificial Intelligence for Data-Driven Precision Medicine
Priti Hegde, Foundation Medicine, USA
Driving Precision Medicine through Clinical Computational Oncology
Russell W. Jenkins, Massachusetts General Hospital, USA
Organotypic Modeling of Cancer and Immune Cell Dynamics

Short Talk(s) Chosen from Abstracts

Targeting Gene Transcription
Christopher Vakoc, Cold Spring Harbor Laboratory, USA
Transcription Factor Addiction
Cigall Kadoch, Dana-Farber Cancer Institute, Harvard Medical School, USA
Structure and Function of Mammalian SWI/SNF Chromatin Remodeling Complexes in Human Cancer
Jason S. Carroll, Cancer Research UK, University of Cambridge, UK
Proteomic Analysis of Chromatin Remodeling Complexes
Short Talk(s) Chosen from Abstracts

Poster Session 2

THURSDAY, MAY 20
Novel Therapeutics
Speaker to be Announced
Klaus P. Hoeflich, Blueprint Medicines, USA
Targeting Protein Kinases in Cancer
Neal Rosen, Memorial Sloan-Kettering Cancer Center, USA
A General Allele-Specific Model for Understanding and Treating Tumors Driven by ERK-Activation
Lori Friedman, ORIC Pharmaceuticals, USA
Overcoming Resistance to Targeted Therapies
Short Talk(s) Chosen from Abstracts

Workshop 2: Engineering Novel Therapeutic Agents
Short Talks Chosen from Abstracts

The Future of Precision Oncology
Patricia LoRusso, Yale School of Medicine, USA
Precision Medicine: Progress, Pitfalls and Promise
Elaine R. Mardis, Nationwide Children's Hospital, USA
Informing Patient Treatment with ClinicoGenomic Data
Naoko Takebe, NCI, National Institutes of Health, USA
NCI's Precision Medicines Initiatives
Short Talk(s) Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)
FRIDAY, MAY 21
Departure