KEYSTONE SYMPOSIA
on Molecular and Cellular Biology

MEETING CHANGE TO VIRTUAL: Precision Oncology: Translating Discovery to the Clinic (D3)

May 16-20, 2021 • Van Andel Institute • Grand Rapids, MI, USA

Scientific Organizers: Klaus Hoeflich, Scott Lowe and Alice Shaw

Sponsored by BioLegend, Inc., Genentech, Inc. and Thermo Fisher Scientific Inc.

Scholarship Deadline: January 20, 2021 / Abstract Deadline: February 16, 2021 / Discounted Registration Deadline: March 16, 2021

MONDAY, JUNE 21

Welcoming Remarks and Keynote Address (7am Denver/Mountain Time Start)

Speaker to be Announced

Clinical Genomics (7:40am Denver/Mountain Time Start)

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 Talks Chosen from Abstracts

Targeting Novel Mechanisms (9am Denver/Mountain Time Start)

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 Talks Chosen from Abstracts

TUESDAY, JUNE 22

Creating Value from Liquid Biopsies (7am Denver/Mountain Time Start)

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

Nicola Aceto, ETH Zürich, Switzerland
Molecular Signatures of Circulating Tumor Cells in Metastasis

Short Talks Chosen from Abstracts

Clinical Trials and Overcoming Resistance (9am Denver/Mountain Time Start)

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

Short Talks Chosen from Abstracts

Meet the Editors (11:30am Denver/Mountain Time Start)

WEDNESDAY, JUNE 23

Emerging Technologies (7am Denver/Mountain Time Start)

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 Talks Chosen from Abstracts

Targeting Gene Transcription (9am Denver/Mountain Time Start)

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 Talks Chosen from Abstracts

THURSDAY, JUNE 24

Novel Therapeutics (7am Denver/Mountain Time Start)

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 Talks Chosen from Abstracts

The Future of Precision Oncology (9am Denver/Mountain Time Start)

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 Talks Chosen from Abstracts