SUNDAY, MAY 7
Arrival and Registration

MONDAY, MAY 8
Welcome and Keynote Address (Z1)
Charles Swanton, Francis Crick Institute, UK
Tracing Metastasis using Genetic Signatures

Welcome and Keynote Session (Z2)
Johanna A. Joyce, University of Lausanne, Switzerland
Exploring and Therapeutically Exploiting the Tumor Microenvironment

Metastasis Initiating Cells: Origins and Plasticity (Z1)
Frederic J. de Sauvage, Genentech, Inc., USA
Cellular Plasticity and Metastasis
Dana Pe'er, Memorial Sloan Kettering Cancer Center, USA
Computational Modeling of Metastasis Ecosystems
Cédric Blanpain, Universite Libre de Bruxelles, Belgium
Stem Cells and Metastasis

Short Talks Chosen from Abstracts
The Heterogeneous Tumor Microenvironment: Implications for Progression and Therapy (Z2)
Kornelia Polyak, Dana-Farber Cancer Institute, Harvard Medical School, USA
Her2 Tumor Heterogeneity, Stromal Fibroblasts and Tumor Aggression and Treatment Resistance
Glenn Dranoff, Novartis Institutes for BioMedical Research, USA
The Heterogeneous Tumor Microenvironment, Immune Regulation and Tumor Treatment
Jeffrey W. Pollard, Queen’s Medical Research Institute, UK
Talk Title to be Announced

Short Talks Chosen from Abstracts
Poster Session 1

Workshop (Z1)
Short Talks Chosen from Abstracts

Workshop (Z2)
Short Talks Chosen from Abstracts

Determinants of Metastasis and Therapy Responses (Z1)
Jonathan S. Weissman, Whitehead Institute, HHMI, and MIT, USA
Tracking of Metastasis using CRISPR

Russell Kent Pachynski, Washington University in St. Louis, USA
Treatment of Metastatic Prostate Cancer
Boris C. Bastian, University of California, San Francisco, USA
Melanoma Metastasis Genetics

Short Talks Chosen from Abstracts
The Hostile Tumor Microenvironment, Stress Adaptation, Tumor aggression and Treatment Response (Z2)
Paulo C. Rodriguez, Moffitt Cancer Center, USA
TME Drives ER Stress to Modulate Anti-Tumor Immunity and Tumor Aggression
Valerie M. Weaver, University of California, San Francisco, USA
Tissue Tension, Metabolic Adaptation and Tumor Aggression
Matthew G. Vander Heiden, Massachusetts Institute of Technology, USA
Cancer Metabolism Impact on Therapy Response - Mostly Lung and Pancreas

Short Talks Chosen from Abstracts
TUESDAY, MAY 9
The Tumor Microenvironment Influences Metastatic Dormancy (Joint)
Joan Massagué, Memorial Sloan Kettering Cancer Center, USA
Mediators and Suppressors of the Dormant State
Mohamed Bentires-Alj, University of Basel, University Hospital Basel, Switzerland
Hepatic Stellate Cells Suppress Dormancy
Julio Aguirre-Ghiso, Albert Einstein Cancer Center, USA
Tumor Intrinsic and Microenvironmental Regulation of Tumor Dormancy
Rosandra Natasha Kaplan, NCI, National Institutes of Health, USA
Defining the Progressive Metastatic Niche

Short Talks Chosen from Abstracts
Circulating Cancer Cells and Metastatic Dissemination (Z1)
Caroline Dive, Cancer Research UK Manchester Institute, UK
Circulating Cancer Cells
Nicola Aceto, ETH Zürich, Switzerland
Cell-Cell Interactions During Metastasis
Elena Piskounova, Weill Cornell Medicine, USA
RNA Regulation During Metastasis
Karen H. Vousden, Francis Crick Institute, UK
Cell Clustering in Metastasis

Short Talks Chosen from Abstracts

* Session Chair † Invited but not yet accepted     Program current as of November 17, 2022 Meal formats are based on meeting venue.
For the most up-to-date details, visit https://www.keystonesymposia.org.
The Impact of Innervation on Tumor Aggression and Therapy Response (Z2)

- Manuel Valiente, Spanish National Cancer Research Centre, Spain
  *Brain Mets*
- Moran Amit, University of Texas MD Anderson Cancer Center, USA
  *Innervation in Head and Neck Cancer*
- Timothy C. Wang, Columbia University, USA
  *Innervation in GI Tumors – Impact on Stem Cells and Tumor Aggression*

Poster Session 2

**WEDNESDAY, MAY 10**

The Metabolic Regulation of Metastasis (Z1)

- Sean J. Morrison, University of Texas Southwestern Medical Center, USA
  *Regulation of Metastasis by Lipid Metabolism*
- Sarah-Maria Fendt, VIB-KU Leuven, Belgium
  *Metabolic Regulation of Metastasis*
- Salvador Aznar Benitah, ICREA and Institute for Research in Biomedicine, Spain
  *Fatty Acid Transporters Regulate Metastasis*
- Martin O. Bergo, Karolinska Institutet, Sweden
  *Redox Regulation During Metastasis*

**Short Talks Chosen from Abstracts**

Friend or Foe: Should we Target Cancer Associated Fibroblasts and the ECM? (Z2)

- Mara H. Sherman, Oregon Health & Science University, USA
  *Mechanisms and Consequences of Pancreatic Cancer Stromal Evolution*
- Erik A. Sahai, Francis Crick Institute, UK
  *CAF Heterogeneity – Impact on Treatment Response*
- Ashani T. Weeraratna, Johns Hopkins University, USA
  *Aged CAFs and Tumor Aggression*
- Rakesh K. Jain, Massachusetts General Hospital and Harvard Medical School, USA
  *Normalizing the Tumor Microenvironment to Improve Cancer Treatment: Bench to Bedside*

**Short Talks Chosen from Abstracts**

Metastasis and Therapy Response: Impact of the Microenvironment (Joint)

- Antoni Ribas, University of California, Los Angeles, USA
  *Enhancing T Cell Function to Treat Tumors*

- Isabel Kurth, Rgenix, USA
  *New Therapeutics that Inhibit Cancer Progression*
- Christina Curtis, Stanford University, USA
  *Stromal Immune Signatures that Predict Tumor Progression and Treatment Response*
- Morag Park, McGill University, Canada
  *Human Stromal Signatures and Treatment Response*

**Short Talks Chosen from Abstracts**

Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Joint)

**THURSDAY, MAY 11**

Departure