

**Patient-Derived Models of Cancer (PDMC, PAR-16-344)
Annual Meeting 2020 NCI (Virtual)**

November 4-5, 2020 (All time listed as EDT)

Wednesday, November 4, 2020, 12:00 – 5:00 p.m. ET

12:00 – 12:10 p.m.

Welcome

Konstantin Salnikow

Program Director, Division of Cancer Biology, NCI

Dan Gallahan

Director of Division of Cancer Biology, NCI

12:10 -12:20 p.m.

Introduction of CSBC

Shannon Hughes

Program Director, Division of Cancer Biology, NCI

12:20 – 1:00 p.m.

Keynote Speaker

Spatially Resolved Profiling of Early Melanoma to Study Tumor Progression and Immune Editing

Peter Sorger, Harvard Medical School

(30 min), questions (10 min)

1:00 – 1:40 p.m.

Session 1: Clinical translation

Session Moderator: Rosalie C. Sears,
Oregon Health & Science University

1:00 -1:20 p.m.

Epigenetic Reprogramming of Colon Cancer Models

Xiling Shen, Duke University

1:20 -1:40 p.m.

Co-Clinical Patient-derived Models and Personalized Medicine for Breast cancer

Bryan Welm, University of Utah

1:40 – 2:00 p.m.

Group Discussion – Session 1

Led by:

Sandra Scherer

Shree Bose

- 2:00 – 2:30 p.m. **Break**
- 2:30 - 3:30 p.m. **Mini Talks-Poster Session (1 hour)**
Session Moderator:
Jonathan Brody, Oregon Health & Science University
3 min, lightning poster highlights, pre-recorded, 3 min live questions
- 3:30 – 4:10 p.m. **Session 2: Intra-tumor heterogeneity**
Session Moderator: *Sajina Gc*, University of Alabama at Birmingham
- 3:30 – 3:50 p.m. In situ Human Pancreatic Cancer Xenograft Models
David Tuveson, Cold Spring Harbor Laboratory
- 3:50 – 4:10 p.m. Steady-state Metabolic Profiling of Renal Cell Carcinoma Patient-derived Xenografts and Derived Tissue Slice Cultures
Renuka Sriram, University of California San Francisco
- 4:10 - 4:30 p.m. Group Discussion – Session 2
Led by:
Giuseppina Caligiuri
Shubhangi Agarwal
- 4:30 – 5:00 p.m. Virtual social event

Thursday, November 5, 12:00 p.m. – 4:30 p.m. ET

- 12:00 -12:40 p.m. **Session 3: Emerging technology**
Session Moderator: *Xiling Shen*, Duke University
- 12:00 – 12:20 p.m. Identifying Glioblastoma Multiform (GBM) Subtypes Across Heterogeneous Transcriptome Profiling Data Sets with Robust and Interpretable Gene Signatures
Jake Y. Chen, University of Alabama at Birmingham
- 12:20 – 12:40 p.m. KCNA1 is Regulated by a Novel Set of miRNAs to Drive Pediatric Glioblastoma Invasion
Xiao-Nan Li, Ann & Robert H. Lurie Children’s Hospital of Chicago

- 12:40 – 1:00 p.m. Group Discussion – Session 3
Led by:
Yuchen Du
Amber Jones
- 1:00 – 1:40 p.m. **Session 4: Tumor Systems Biology**
Session Moderator: *Donna Peehl*, University of California San Francisco
- 1:00 – 1:20 p.m. Leveraging Patient-Derived Models to Study Mechanisms of Tolerance to Tyrosine Kinase Inhibitors in EGFR Mutant Lung Cancer
Katerina Politi, Yale University School of Medicine
- 1:20 – 1:40 p.m. The MDA PCa PDX series, a Dynamic Resource that Captures the Molecular Landscape of PCa and is a Platform for Discovery.
Nora M. Navone, University of Texas MD Anderson Cancer Center
- 1:40 – 2:00 p.m. Group Discussion – Session 4
Led by:
Estefania Labanca
Bomiao Hu
- 2:00 – 2:10 p.m. **Break** (10 min)
- 2:10 – 3:10 p.m. **Mini Talks-Poster session** (1 hour)
Session Moderator: *Paul Robson*, Jackson Lab
3 min, lightning poster highlights, pre-recorded, 3 min live questions
- 3:10 – 3:20 p.m. Break (10 min) – time to discuss and score posters for the awards.
- 3:20 – 4:00 p.m. **Session 5: The tumor microenvironment**
Session Moderator: *Bryan Welm*, University of Utah
- 3:20 – 3:40 p.m. Patient-derived Modeling of Pancreatic Cancer Tumor and Stromal Heterogeneity
Rosalie Sears, Oregon Health & Science University
- 3:40 – 4:00 p.m. Lymph Protects Metastasizing Melanoma Cells from Ferroptosis
Sean J. Morrison, University of Texas Southwestern Medical Center

4:00 – 4:20 p.m.

Group Discussion – Session 5

Led by:

Jessalyn Ubellacker

Samantha Brown

4:20 – 4:30 p.m.

Concluding remarks and poster awards

Konstantin Salnikow, Katerina Politi