

# 2024 PDMC Virtual Annual Investigators Meeting

August 28, 2024

9:00 - 9:00 AM

## Meeting Opening

Konstantin Salnikow, PDMC Program Director, NCI

9:00 - 9:10 AM PT

## Welcoming Remarks and Meeting Overview

Dan Gallahan, Director, Division of Cancer Biology, NCI

Session 1 Chair: Jonathan Brody, Oregon Health & Science University

9:10 - 9:40 AM

## Keynote: Antigen-dependent off-tumor toxicity limits CAR-T cell therapy for solid cancers

Dr. Robert Eil, Oregon Health & Science University

9:40 - 10:10 AM

## Keynote: Progressive plasticity in colorectal cancer metastasis

Dr. Karuna Ganesh, Memorial Sloan Kettering

10:10 - 10:30 AM

## MC<sup>2</sup> Center Talk

Dr. Orion Banks, Biomedical Data Manager, MC<sup>2</sup> Center, Sage Bionetworks

10:30 - 10:40 AM

*BREAK*

10:40 - 11:20 AM

## Matching Panels of in vivo and in vitro Model System of Pediatric Brain Tumors

10:40 - 11:00

PI Presentation: "Matching Panels of in vitro and in vivo Model System of Pediatric Brain Tumors" Xiao-Nan Li

11:00- 11:10

Postdoc Presentation: "Location-relevant growth factor dependence on the formation of pediatric brain tumor organoids from PDOX models and patient samples" - Milagros Suarez

11:10- 11:20

Q&A

**11:20 AM - 12:00 PM Comparative Analysis between Patient-derived Models of Pancreatic Ductal Adenocarcinomas and Matched Tumor Specimens**

11:20 - 11:40 PI Presentation: "Paired Patient Serial Biopsies and Derived Laboratory Models of Metastatic Pancreatic Cancer to Understand Mechanisms of Therapeutic Response and Resistance" - Rosalie Sears

11:40 - 11:50 Postdoc Presentation: "Paired Patient Serial Biopsies and Derived Laboratory Models of Metastatic Pancreatic Cancer to Understand Mechanisms of Therapeutic Response and Resistance" - Alex Smith

11:50 - 12:00 Q&A

12:00 - 12:10 PM *BREAK*

Session 2 Chair: Xiao-Nan Li, Northwestern University

**12:10 - 12:50 PM Patient-Derived Models of Prostate Cancer for Personalized Medicine**

12:10 - 12:30 PI Presentation: "Comprehensive genomic-transcriptomic characterization of models of the MD Anderson prostate cancer patient-derived xenograft (MDA PCa PDX) platform" - Estefania Labanca

12:30 - 12:40 Postdoc Presentation: "Impact of Wnt pathway on androgen receptor inhibition treatment in Prostate Cancer" - Nicolas Anselmino

1:40 - 12:50 Q&A

**12:50 - 1:30 PM The Metabolic Regulation of Melanoma Metastasis**

12:50 - 1:10	PI Presentation: "Human osteosarcoma metastasis is limited by oxidative stress" - Sean J. Morrison
1:10 - 1:20	Postdoc Presentation: "Metabolic Regulation of Immunogenicity, Organotropism and Metastasis" - H. Furkan Alkan
1:20 - 1:30	Q&A
<b>1:30 - 1:55 PM</b>	<b>Biological Comparisons Among Three Derivative Models of Glioma Patient Cancers Under Microenvironmental Stress</b>
1:30 - 1:50	PI Presentation: "Biological Comparisons Among Three Derivative Models of Glioma Patient Cancers Under Microenvironmental Stress" - Chris Willey
1:50 - 1:55	Q&A
<b>1:55 - 2:15 PM</b>	<b>Uncovering the Biology of Resistance to Tyrosine Kinase Inhibitors in EGFR Mutant Lung Cancer Patient-Derived Models</b>
1:55 - 2:00	PI Presentation: "Understanding tolerance and resistance to tyrosine kinase inhibitors using patient-derived models" - Katerina Politi
2:00 - 2:15	Postdoc Presentation: "Morphological, cellular, and molecular landscape of CNS metastases from NSCLC" - Sampada Chande and Darin Dolezal
2:15 - 2:20	Q&A
<b>2:20 - 2:30 PM</b>	<b>Closing Remarks</b> Konstantin Salnikow, PDMC Program Director, NCI