

***2024 Coffey-Holden
Prostate Cancer Academy Meeting***

***Personalized Medicine:
Leave No Patient Behind***

***June 20 - 23, 2024
University of California, Los Angeles
Luskin Conference Center
Los Angeles, CA***

Program Organizing Committee:

Marina Sharifi, MD, PhD, Committee Chair (University of Wisconsin, Madison)

Lisa Chesner, PhD (University of California, San Francisco)

Asmaa El-Kenawi, PhD (Indiana University School of Medicine)

Roni Haas, PhD (University of California, Los Angeles)

Laura Sena, MD, PhD (Johns Hopkins University)

Alok Tewari, MD, PhD (Dana Farber Cancer Institute)

Andrea Miyahira, PhD (Prostate Cancer Foundation)

Kenneth Pienta, MD (Johns Hopkins University)

Howard Soule, PhD (Prostate Cancer Foundation)



THURSDAY, JUNE 20, 2024

3:00 PM – 5:00 PM	Registration	Centennial Foyer
5:00 PM – 6:00 PM	Welcome Reception	Centennial Terrace
6:00 PM – 7:15 PM	Welcome Dinner	Centennial Terrace
7:15 PM – 7:30 PM	Move to Session	Centennial A&B

Introduction

7:30 PM – 7:40 PM	Welcome and Opening Remarks	Centennial A&B
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Session I: Distinguished Lecture

7:40 PM – 8:40 PM	Keynote Owen Witte, MD University of California, Los Angeles	
8:40 PM – 9:00 PM	Discussion First Question: Alexandra Sokolova, MD	

FRIDAY, JUNE 21, 2024

6:30 AM	Registration	Centennial Foyer
7:00 AM – 7:45 AM	Breakfast	Plateia A
7:45 AM – 8:00 AM	Move to Session II	Centennial A&B

Session II: The Big Questions

8:00 AM – 8:30 AM	The Big Questions Kenneth Pienta, MD Johns Hopkins University	
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Friday, June 21, 2024

Session III: Of Mice, Men and Systems Biology: Models of the Future

Session Chair:	Asmaa El-Kenawi, PhD Indiana University School of Medicine
8:30 AM – 8:40 AM	Employing Immune-Humanized Mouse Models of Metastatic Castration Resistant Prostate Cancer Steven Kregel, PhD Loyola University
8:40 AM – 9:00 AM	Discussion First Question: Franklin Huang, MD, PhD
9:00 AM – 9:10 AM	From PDX Models to Personalized Medicine: Challenges and Our Path Forward Eva Corey, PhD University of Washington
9:10 AM – 9:30 AM	Discussion First Question: Ana Aparicio, MD
9:30 AM – 9:40 AM	Utilizing PDXs to Aid in Drug Discovery: Targeting Lineage Plasticity via LSD1 Inhibition Nathaniel Brennen, PhD John Hopkins University
9:40 AM – 10:00 AM	Discussion First Question: Robert Patton, PhD
10:00 AM – 10:10 AM	Fully Humanized Metastases-on-a-Chip: Cellular Interactions and Therapy Resistance Joshua Lang, MD, MS University of Wisconsin, Madison
10:10 AM – 10:30 AM	Discussion First Question: Laura Sena, MD, PhD
10:30 AM – 10:40 AM	Break
10:40 AM – 10:50 AM	Modeling the Tumor Microenvironment Ashley Laughney, PhD Weill Cornell Medicine
10:50 AM – 11:10 AM	Discussion First Question: Amy Taylor, MD

Friday, June 21, 2024

11:10 AM – 11:20 AM **Systems Approach to Identify Rational Treatment Strategies for Improved Outcomes in Cancer**

[Laura Heiser, PhD](#)

Oregon Health & Science University

11:20 AM – 11:40 AM

Discussion

First Question: David Yang, MD

11:40 AM – 12:40 PM

Lunch

Plateia A

12:40 PM – 12:55 PM

Move to Session IV

Centennial A&B

Session IV: Harnessing Immune Cell Engagers for Precision Treatment

Session Chair:

Lisa Chesner, PhD

University of California, San Francisco

12:55 PM – 1:05 PM

Leveraging the Complexities of Tumor Associated Macrophages for Effective Anti-Cancer Therapy

[Jennifer Guerriero, PhD](#)

Harvard University

1:05 PM – 1:25 PM

Discussion

First Question: Tyler Seibert, MD, PhD

1:25 PM – 1:35 PM

Effective Immunotherapy Responses of NK Cells Against Solid Tumors in Preclinical Models

[David Raulet, PhD](#)

University of California, Berkeley

1:35 PM – 1:55 PM

Discussion

First Question: Roni Haas, PhD

1:55 PM – 2:05 PM

Redirecting Natural Killer Cells to Target Prostate Cancer Using Trispecific Killer Engagers

[Nick Zorko, MD, PhD](#)

University of Minnesota

2:05 PM – 2:25 PM

Discussion

First Question: Christopher Logothetis, MD

Friday, June 21, 2024

2:25 PM – 2:35 PM	PSCA Targeted CAR T cell Therapy: Lessons Learned from Every Patient Tanya Dorff, MD City of Hope
2:35 PM – 2:55 PM	Discussion First Question: Galina Semanova, MD, PhD
2:55 PM – 3:05 PM	Break
3:05 PM – 3:15 PM	Armoring Adoptive T-cells to Enhance their Efficacy Against Solid Tumors Rosa Nguyen, MD, PhD National Institute of Health
3:15 PM – 3:35 PM	Discussion First Question: David Quigley, PhD
3:35 PM – 3:45 PM	Developing Novel Engineered Cell Therapies for Metastatic Castration-Resistant Prostate Cancer Vivek Narayan, MD University of Pennsylvania
3:45 PM – 4:05 PM	Discussion First Question: Weiping Li, PhD
<u>Session V: Tackling Treatment Resistance from Bench to Bedside</u>	
Session Chair:	Alok Tewari, MD, PhD Dana Farber Cancer Institute
4:05 PM – 4:15 PM	cPRC1 as a Mechanism of Resistance to AR Pathway Inhibition Noah Younger, MD, PhD University of California, San Francisco
4:15 PM – 4:35 PM	Discussion First Question: Nicholas Zorko, MD, PhD
4:35 PM – 4:45 PM	Epigenetic Mechanisms to Neuroendocrine Transformation of Prostate Cancer Jindan Yu, MD, PhD Emory University
4:45 PM – 5:05 PM	Discussion First Question: Lisa Chesner, PhD

Friday, June 21, 2024

5:05 PM – 5:15 PM	The Shape-Shifting Adversary: Prostate Cancer’s Evasion Tactics in Identity, Genome and Microenvironment
	Ping Mu, PhD
	UT Southwestern
5:15 PM – 5:35 PM	Discussion
	First Question: Howard Scher, MD
5:35 PM – 6:35 PM	Dinner Centennial C&D
6:35 PM – 6:50 PM	Move to Session V Centennial A&B
6:50 PM – 7:00 PM	Oncogene Amplification and Cellular Senescence as Mechanisms of Resistance to KRAS G12C Inhibition in Colorectal Cancer
	Sandra Misale, PhD
	Johns Hopkins University
7:00 PM – 7:20 PM	Discussion
	First Question: Sheng-Yu Ku, PhD
7:20 PM – 7:30 PM	Multimodal Assessment of Cancer Therapeutic Resistance
	Eliezer Van Allen, MD
	Dana Farber Cancer Institute
7:30 PM – 7:50 PM	Discussion
	First Question: Samuel Denmeade, MD
7:50 PM – 8:00 PM	The Role of AR in Dendritic Cell Function
	Megan Ruhland, PhD
	Oregon Health & Science University
8:00 PM – 8:20 PM	Discussion
	First Question: Sarki Abdulkadir, MD, PhD

Saturday, June 22, 2024

SATURDAY, JUNE 22, 2024

7:30 AM – 8:00 AM **Breakfast** **Plateia A**

8:00 AM – 8:15 AM **Move to Session VI** **Centennial A&B**

Session VI: Food Pharmacy - Targeting Metabolism as Prostate Cancer Therapy

Session Chair: **Laura Sena, MD, PhD**
 Johns Hopkins University

8:15 AM – 8:25 AM **Antimetabolites and Prostate Cancer: Been There, Done That?**
[Daniel Schmidt, MD, PhD](#)
 Massachusetts Institute of Technology

8:25 AM – 8:45 AM Discussion
 First question: Jelani Zarif, PhD

8:45 AM – 8:55 AM **Androgen Receptor Regulates Metabolism**
[Andrew Goldstein, PhD](#)
 University of California, Los Angeles

8:55 AM – 9:15 AM Discussion
 First question: Alok Tewari, MD, PhD

9:15 AM – 9:25 AM **Metabolic Response to a Whole Food Plant Based Diet in Obese Men with Prostate Cancer on ADT**
[David Nanus, MD](#)
 Weill Cornell Medicine

9:25 AM – 9:45 AM Discussion
 First question: Abhijit Parolia, PhD

9:45 AM – 9:55 AM **Dietary Target Therapy of Prostate Cancer**
[Lloyd Trotman, PhD](#)
 Cold Spring Harbor Laboratory

9:55 AM – 10:15 AM Discussion
 First Question: Sumit Subudhi, MD, PhD

10:15 AM – 10:25 AM **Break**

Saturday, June 22, 2024

- 10:25 AM – 10:35 AM **Metabolomic Features of Prostate Cancer Across its Natural History**
[Rebecca Graff, ScD](#)
University of California, San Francisco
- 10:35 AM – 10:55 AM Discussion
First Question: Rose Li, MD, PhD
- 10:55 AM – 11:05 AM **Leveraging Prostate Cancer's Unique Lipid Metabolism for Therapy**
[Daniel Frigo, PhD](#)
MD Anderson Cancer Center
- 11:05 AM – 11:25 AM Discussion
First Question: Tanya Stoyanova, PhD

Session VII: The Evolving Prostate Cancer Epigenome in Disease Progression and Treatment Resistance

Session Chair: **Marina Sharifi, MD, PhD**
University of Wisconsin, Madison

- 11:25 AM – 11:35 AM **Non-Neuroendocrine Lineage Plasticity in Prostate Cancer**
[Ekta Khurana, PhD](#)
Weill Cornell Medicine
- 11:35 AM – 11:55 AM Discussion
First Question: Haolong Li, PhD
- 11:55 AM – 12:05 PM **ASCL1, a Bridge Between Neuronal Differentiation and Chromatin Reorganization in Prostate Cancer**
[Shaghayegh Nouruzi, PhD](#)
Vancouver Prostate Centre
- 12:05 PM – 12:25 PM Discussion
First Question: Asmaa El-Kenawi, PhD
- 12:25 PM – 12:40 PM **Group Pictures**
- 12:40 PM – 1:40 PM **Lunch** **Plateia A**

Free Afternoon

Saturday, June 22, 2024

1:30 PM – 2:30 PM **Personal Training Session** *(RSVP required, limited availability)*
Lunch will be available immediately following the training session.

5:00 PM – 5:45 PM **Dinner** **Centennial C&D**

5:45 PM – 6:00 PM **Move to Session VIII** **Centennial A&B**

Session VIII: Keynote Address

6:00 PM – 6:30 PM **Keynote**
[Michael Milken](#)
 Founder and Chairman
 Prostate Cancer Foundation

Session VII (Continued): The Evolving Prostate Cancer Epigenome in Disease Progression and Treatment Resistance

Session Chair: **Marina Sharifi, MD, PhD**
 University of Wisconsin, Madison

6:30 PM – 6:40 PM **NSD2 is a Requisite and Druggable Subunit of the AR/FOXA1 Neo-Enhanceosome**
[Abhijit Parolia, PhD](#)
 University of Michigan

6:40 PM – 7:00 PM Discussion
 First Question: Matthew Rettig, MD

7:00 PM – 7:10 PM **Epigenomic Liquid Biopsy to Guide Treatment of Prostate Cancer**
[Sylvan Baca, MD, PhD](#)
 Dana Farber Cancer Institute

7:10 PM – 7:30 PM Discussion
 First Question: Di Zhao, PhD

Saturday, June 22, 2024

7:30 PM – 7:40 PM	Determining the Role of Cellular Senescence in Prostate Cancer Development and Immune Suppression Marcus Ruscetti, PhD University of Massachusetts
7:40 PM – 8:00 PM	Discussion First Question: George Butler, PhD
8:00 PM – 8:10 PM	Targeting Cancer Epigenetic Vulnerabilities Vasan Yegnasubramanian, MD, PhD Johns Hopkins University
8:10 PM – 8:30 PM	Discussion First Question: John Lee, PhD

SUNDAY, JUNE 23, 2024

7:00 AM – 7:45 AM	Breakfast	Centennial CD
7:45 AM – 8:00 AM	Move to Session IX	Centennial A&B

Session IX: Machine Learning and Advanced Computational Approaches for Precision Oncology

Session Chair:	Roni Haas, PhD University of California, Los Angeles
8:00 AM – 8:10 AM	Computational Methods for Tumor Phenotype Classification from Circulating Tumor DNA Gavin Ha, PhD Fred Hutchinson Cancer Center
8:10 AM – 8:30 AM	Discussion First Question: Shaghayegh Nouruzi, PhD
8:30 AM – 8:40 AM	Network-Based Mechanism-Centric Approaches for Prostate Cancer Antonina Mitrofanova, PhD Rutgers University
8:40 AM – 9:00 AM	Discussion First Question: Nicolas Nickols, MD, PhD

Sunday, June 23, 2024

9:00 AM – 9:10 AM	Reconstruction of Tumor Evolution from Single Timepoint Bulk Samples Paul Spellman, PhD University of California Los Angeles
9:10 AM – 9:30 AM	Discussion First Question: Marina Sharifi, MD, PhD
9:30 AM – 9:40 AM	Utilizing a Pan-African Ancestry Approach to Reduce Prostate Cancer Disparities Clayton Yates, PhD, MS Johns Hopkins University
9:40 AM – 10:00 AM	Discussion First Question: Noah Younger, MD, PhD
10:00 AM – 10:10 AM	Break
10:10 AM – 10:20 AM	Punctuational Evolution is Pervasive in Metastatic Dissemination George Butler, PhD Johns Hopkins University
10:20 AM – 10:40 AM	Discussion First Question: Rebecca Graff, ScD
10:40 AM – 10:50 AM	Deciphering Cancer Cell Evolution and Ecology and their Association with Cancer Prognosis Wenyi Wang, PhD MD Anderson Cancer Center
10:50 AM – 11:10 AM	Discussion First Question: Saul Priceman, PhD
<u>Session X: Closing Remarks</u>	
11:10 AM – 11:15 AM	Meeting Debrief Kenneth Pienta, MD Johns Hopkins University Howard Soule, PhD Prostate Cancer Foundation
11:15 AM	Departures (<i>Please note – boxed lunches will not be served</i>)

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