

***2025 Coffey-Holden
Prostate Cancer Academy Meeting***

***Deciphering Resistance:
Beyond the Androgen Paradigm***

June 19-22, 2025

***University of California, Los Angeles
Luskin Conference Center
Los Angeles, CA***

Program Organizing Committee:

Saul Priceman, PhD, Committee Chair (University of Southern California)

Tanya Stoyanova, PhD (University of California, Los Angeles)

Ashley Ross, MD, PhD (Northwestern Medicine)

Phuoc Tran, MD, PhD (University of Maryland)

Rana McKay, MD (University of California, San Diego)

Daniel Thorek, PhD (Washington University of Medicine)

Andrea Miyahira, PhD (Prostate Cancer Foundation)

Kenneth Pienta, MD (Johns Hopkins University)

Howard Soule, PhD (Prostate Cancer Foundation)

THURSDAY, JUNE 19, 2025

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	Drug Discovery in Academia: Some Success Stories Michael Jung, PhD University of California, Los Angeles
8:40 PM – 9:00 PM	Discussion First Question: Amy Moran, PhD

FRIDAY, JUNE 20, 2025

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 20, 2025

Session III: Non-Apoptotic Cell Death Mechanisms

Session Chair:	Tanya Stoyanova, PhD University of California, Los Angeles
8:30 AM – 8:40 AM	The Discovery of New Non-Apoptotic Cancer Cell Death Phenotypes Scott Dixon, PhD Stanford University
8:40 AM – 9:00 AM	Discussion First Question: Asmaa Elkenawi, PhD
9:00 AM – 9:10 AM	Targeting Metabolic Cell Death in Cancer Boyi Gan, PhD University of Texas MD Anderson Cancer Center
9:10 AM – 9:30 AM	Discussion First Question: Ryan Park, MD
9:30 AM – 9:40 AM	Engineering Innate Sensing Molecules to Modify the TME Megan Molina, MD University of Washington
9:40 AM – 10:00 AM	Discussion First Question: Samuel Denmeade, MD
10:00 AM – 10:10 AM	Death & Destruction: How Therapy-Induced Death Programs Anti-Tumor Immunity Brian Ruffell, PhD Moffitt Cancer Center
10:10 AM – 10:30 AM	Discussion First Question: Chien-Kuang Cornelia Ding, MD, PhD
10:30 AM – 10:40 AM	Break

Friday, June 20, 2025

10:40 AM – 10:50 AM	Metabolic Vulnerabilities in Prostate Cancer: The Lipid Droplet Connection Daniel E. Frigo, PhD University of Texas MD Anderson Cancer Center	
10:50 AM – 11:10 AM	Discussion First Question: Aram Lyu, PhD	
11:10 AM – 11:20 AM	The Role of the Detoxification Enzyme in Modulating Cell Death in Prostate Cancer Laura Shiqin Liu, MD, PhD University of California, Los Angeles	
11:20 AM – 11:40 AM	Discussion First Question: Nour Shobaki, PharmD, PhD	
11:40 AM – 12:40 PM	Lunch	Plateia A
12:40 PM – 12:55 PM	Move to Session IV	Centennial A&B

Session IV: Optimizing Therapy Delivery and Biomedical Engineering

Session Chair: **Tanya Stoyanova, PhD**
 University of California, Los Angeles
Dan Thorek, PhD
 Washington University of Medicine

12:55 PM – 1:05 PM	Engineered Nanobodies to Direct and Visualize Immunity Novalia Pishesha, PhD Boston Children’s Hospital
1:05 PM – 1:25 PM	Discussion First Question: Daniel Frigo, PhD

Friday, June 20, 2025

1:25 PM – 1:35 PM	Chemical Strategies to Expand the Therapeutic Window for Targeted Radiotherapy Michael Evans, PhD University of California, San Francisco
1:35 PM – 1:55 PM	Discussion First Question: Michael Haffner, MD, PhD
1:55 PM – 2:05 PM	Hope, Hype, and Cancer Biology: Is CTC Technology Dead? Joshua Lang, MD University of Wisconsin
2:05 PM – 2:25 PM	Discussion First Question: Susan Slovin, MD, PhD
2:25 PM – 2:35 PM	Isolating Rare Tumor Cells, Cell Clusters, and Extracellular Vesicles Using Magnetic Levitation Gozde Durmus, PhD Stanford University
2:35 PM – 2:55 PM	Discussion First Question: Galina Semenova, MD, PhD
2:55 PM – 3:05 PM	Break
3:05 PM – 3:15 PM	Nanoparticle-Mediated Delivery of Gene Editing Reagents Configured for Disruption of Oncogenic Drivers Steven Jonas, MD, PhD University of California, Los Angeles
3:15 PM – 3:35 PM	Discussion First Question: Alok Tewari, MD, PhD
3:35 PM – 3:45 PM	Advancing Prostate Cancer Research Through Dual Innovations: 3D Biofabricated Models and Trop2-Expressing Extracellular Vesicles for Liquid Biopsy Utkan Demirci, PhD Stanford University
3:45 PM – 4:05 PM	Discussion First Question: Salma Kaochar, PhD

Friday, June 20, 2025

Session V: Immunotherapy Sensitizers

Session Chair:	Saul Priceman, PhD University of Southern California
4:05 PM – 4:15 PM	Landscape Analysis of the Neoantigen Specific T Cell Responses in Patients Cristina Puig-Saus, PhD University of California, Los Angeles
4:15 PM – 4:35 PM	Discussion First Question: Michael Freeman, PhD
4:35 PM – 4:45 PM	Stem-like T Cells in Cancer: How to Access these Cells for Therapy Haydn Kissick, PhD Emory University
4:45 PM – 5:05 PM	Discussion First Question: Roni Haas, PhD
5:05 PM – 5:15 PM	Enhancing Endogenous Immunity to Prostate Cancer Lawrence Fong, MD Fred Hutchinson Cancer Center
5:15 PM – 5:35 PM	Discussion First Question: Marina Sharifi, MD, PhD
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	Targeting Epigenetic Machinery to Overcome Resistance to Immune Checkpoint Blockade Sangeeta Goswami, MD University of Texas MD Anderson Cancer Center
7:00 PM – 7:20 PM	Discussion First Question: Andrew Goldstein, PhD

Friday, June 20, 2025

7:20 PM – 7:30 PM	<p>Rapid and Efficient Isolation of NeoAg-specific TCRs from PBMC Stephen Schoenberger, PhD La Jolla Institute</p>
7:30 PM – 7:50 PM	<p>Discussion First Question: Ashley Ross, MD, PhD</p>
7:50 PM – 8:00 PM	<p>Leveraging the Complexities of TAMs for Effective Anti-Cancer Therapy Jennifer Guerriero, PhD Brigham/Harvard</p>
8:00 PM – 8:20 PM	<p>Discussion First Question: Tyler Seibert, MD, PhD</p>

SATURDAY, JUNE 21, 2025

7:30 AM – 8:00 AM	Breakfast	Plateia A
8:00 AM – 8:15 AM	Move to Session VI	Centennial A&B

Session VI: Understanding and Overcoming Treatment Resistance in Prostate Cancer

Session Chair:	<p>Ashley Ross, MD, PhD Northwestern Medicine</p>
8:15 AM – 8:25 AM	<p>Stochastically Emergent Tumors Enable In Vivo Whole-Genome Screening of Therapy-Driven Evolution Rohit Bose, MD University of California, San Francisco</p>
8:25 AM – 8:45 AM	<p>Discussion First question: Saul Priceman, PhD</p>
8:45 AM – 8:55 AM	<p>Novel Guided Therapeutic Strategies in Refractory Prostate Cancer Remi Adelaiye-Ogala, PhD University at Buffalo</p>
8:55 AM – 9:15 AM	<p>Discussion First question: John Murad, PhD</p>

Saturday, June 21, 2025

9:15 AM – 9:25 AM	AI-Driven Multi-Omics Mapping of Lineage Plasticity and Therapeutic Vulnerabilities in Prostate Cancer Ping Mu, PhD Yale University Discussion First question: Sumit Subudhi, MD, PhD
9:25 AM – 9:45 AM	
9:45 AM – 9:55 AM	Rational Design of Anti-Androgens that do more than Simply Inhibit AR Adegboyega Oyelere, PhD Georgia Institute of Technology Discussion First Question: Rana McKay, MD
9:55 AM – 10:15 AM	
10:15 AM – 10:25 AM	Break
10:25 AM – 10:35 AM	Mechanisms Driving Reactivation of AR Activity in CRPC Steven Balk, MD, PhD Harvard: Beth Israel Deaconess Medical Center Discussion First Question: Ekta Khurana, PhD
10:35 AM – 10:55 AM	
10:55 AM – 11:05 AM	Tagged for Destruction or Dominance? The SPOP Ubiquitin Code and AR Fate in Prostate Cancer Salma Kaochar, PhD Baylor College of Medicine Discussion First Question: Lisa Chenser, PhD
11:05 AM – 11:25 AM	
11:25 AM – 11:35 AM	The Development of Hypoxia-Activated Pro-Drugs to Inhibit and Degrade Proteins Stuart Conway, PhD University of California, Los Angeles Discussion First Question: Christina Jamieson, PhD
11:35 AM – 11:55 AM	

Saturday, June 21, 2025

Session VII: Chromosomal Instability (CIN) as a Driver of Metastasis and Treatment Resistance

Session Chair:	Phuoc Tran, MD, PhD University of Maryland
11:55 AM – 12:05 PM	Chromosomal Instability in Human Prostate Cancer: The Original CIN of Metastasis Isla Garraway, MD University of California, Los Angeles
12:05 PM – 12:25 PM	Discussion First Question: Peter Kuhn, PhD
12:25 PM – 12:40 PM	Group Pictures
12:40 PM – 1:40 PM	Lunch Plateia A
	Free Afternoon
1:00 PM – 2:00 PM	Personal Training Session <i>(RSVP required, limited availability)</i> <i>Lunch will be available immediately following the training session.</i>

Session VIII: Keynote Address

Centennial A&B

5:00 PM – 5:45 PM	Keynote Michael Milken Founder and Chairman Prostate Cancer Foundation
5:45 PM – 6:15 PM	Dinner Centennial C&D
6:15 PM – 6:30 PM	Move to Session VII Centennial A&B

Saturday, June 21, 2025

Session VII (Cont'd): Chromosomal Instability (CIN) as a Driver of Metastasis and Treatment Resistance

Session Chair:	Phuoc Tran, MD, PhD University of Maryland
6:30 PM – 6:40 PM	Long Molecule Genomic Scars in DDR-Deficient Cancer: Biomarkers and Treatment Opportunities Nadeem Riaz, MD Memorial Sloan Kettering Cancer Center
6:40 PM – 7:00 PM	Discussion First Question: John Lee, MD, PhD
7:00 PM – 7:10 PM	CIN Drives Prostate Cancer Evolution via Stage-Dependent Epigenetic Dysregulation Paul Boutros, PhD, MBA University of California, Los Angeles
7:10 PM – 7:30 PM	Discussion First Question: Ana Aparicio, MD
7:30 PM – 7:40 PM	Immune Sensing of DNA Damage for Cancer Prevention and Therapy Gaorav Gupta, MD, PhD University of North Carolina
7:40 PM – 8:00 PM	Discussion First Question: Yeon Soo Kim, PhD
8:00 PM – 8:10 PM	Mapping the Context-Dependent Functions of STING in Cancer Progression Ashley Laughney, PhD Cornell University
8:10 PM – 8:30 PM	Discussion First Question: Samir Zaidi, PhD
8:30 PM – 8:40 PM	Overcoming Tumor Resistance to STING Agonists through cGAS Inhibition Sam Bakhroum, MD, PhD Dartmouth Geisel School of Medicine
8:40 PM – 9:00 PM	Discussion First Question: Estefania Labanca, PhD

SUNDAY, JUNE 22, 2025

7:30 AM – 8:15 AM	Breakfast	Plateia A
8:15 AM – 8:30 AM	Move to Session IX	Centennial A&B

Session IX: Targeting the Metastatic Sites

Session Chair:	Rana McKay, MD, PhD University of California, San Diego
8:30 AM – 8:40 AM	Targeting the Epigenetic Regulation of Cancer Cell Dormancy David Jarrard, MD University of Wisconsin
8:40 AM – 9:00 AM	Discussion First Question: Jelani Zarif, PhD
9:00 AM – 9:10 AM	Lineage Plasticity and Dormancy in Metastatic Progression Michael Shen, PhD Columbia University
9:10 AM – 9:30 AM	Discussion First Question: Jonathan Simons, MD
9:30 AM – 9:40 AM	From Circulation to Colonization: Liquid Biopsies Unveil the Molecular Journey of Metastatic Prostate Cancer Marina Sharifi, MD, PhD University of Wisconsin
9:40 AM – 10:00 AM	Discussion First Question: Phuoc Tran, MD, PhD
10:00 AM – 10:10 AM	Metaplasticity: A New Paradigm in Cancer Evolution Amina Zoubeidi, PhD The Vancouver Prostate Centre
10:10 AM – 10:30 AM	Discussion First Question: Jia Li, PhD
10:30 AM – 10:40 AM	Break

Sunday, June 22, 2025

10:40 AM – 10:50 AM	Bone Metastatic Niche: Mechanism and Systemic Complications Yibin Kang, PhD Princeton University
10:50 AM – 11:10 AM	Discussion First Question: Martin Bakht, PhD
11:10 AM – 11:20 AM	The Evolutionary Ecology of Cancer: Adaptive Strategies that Drive Lethal Metastatic Recurrence Sarah Amend, PhD Johns Hopkins University
11:20 AM – 11:40 AM	Discussion First Question: Shuang George Zhao, MD
<u>Session X: Closing Remarks</u>	
11:40 AM – 12:00 PM	Meeting Debrief Kenneth Pienta, MD Johns Hopkins University Howard Soule, PhD Prostate Cancer Foundation
12:00 PM	Departures (<i>Please note – boxed lunches will not be served</i>)