2023 Coffey-Holden
Prostate Cancer Academy Meeting

Disrupting Prostate Cancer Research:
Challenge Accepted

June 22 - 25, 2023
University of California, Los Angeles
Luskin Conference Center
Los Angeles, CA

Program Organizing Committee:
Sophia Kamran, MD, Committee Chair (Massachusetts General Hospital)
Tamara Jamaspishvili, MD, PhD (SUNY Upstate Medical University)
Catherine Marshall, MD, MPH (Johns Hopkins University)
Kara Maxwell, MD, PhD (University of Pennsylvania; Corporal Michael J. Crescenz VA Medical Center)
Abhijit Parolia, PhD (University of Michigan)
Nicholas Zorko, MD, PhD (University of Minnesota)

Andrea Miyahira, PhD (Prostate Cancer Foundation)
Kenneth Pienta, MD (Johns Hopkins University)
Howard Soule, PhD (Prostate Cancer Foundation)
### THURSDAY, JUNE 22, 2023

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**Introduction**

- **7:30 PM – 7:40 PM** Welcome and Opening Remarks
  - Location: Centennial A&B

**Session I: Distinguished Lecture**

- **7:40 PM – 8:40 PM** Targeting Transcription Factor Neo-Enhancesomes in Cancer
  - Speaker: Arul Chinnaiyan, MD, PhD
  - Affiliation: University of Michigan
  - Discussion
    - First Question: Sarah Amend, PhD

### FRIDAY, JUNE 23, 2023

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**Session II: The Big Questions**

- **7:30 AM – 8:00 AM** The Big Questions
  - Speaker: Kenneth Pienta, MD
  - Affiliation: Johns Hopkins University
Session III: Reducing Prostate Cancer Morbidity and Mortality with Genetics

Session Chair: Kara Maxwell, MD, PhD
University of Pennsylvania; Corporal Michael J. Crescenz VA Medical Center

8:00 AM – 8:10 AM
How Genetics Improved Ovarian Cancer Survival: Can it be Replicated in Prostate Cancer?
Beth Karlan, MD
University of California, Los Angeles

8:10 AM – 8:30 AM
Discussion
First Question: Leigh Ellis, PhD

8:30 AM – 8:40 AM
The Utility of PRS for Reducing Prostate Cancer Morbidity and Mortality
Tyler Seibert, MD, PhD
University of California, San Diego

8:40 AM – 9:00 AM
Discussion
First Question: Angelo de Marzo, MD, PhD

9:00 AM – 9:10 AM
The Utility of Rare Genetic Variants for Reducing Prostate Cancer Morbidity and Mortality
Kathleen Cooney, MD
Duke University

9:10 AM – 9:30 AM
Discussion
First Question: Huihui Ye, MD

9:30 AM – 9:40 AM
Are There Ancestry Based Genetic Differences in Prostate Cancer Risk?
Burcu Darst, PhD
University of Washington; Fred Hutchinson Cancer Center

9:40 AM – 10:00 AM
Discussion
First Question: Marina Sharifi, MD, PhD

10:00 AM – 10:15 AM
Break
Friday, June 23, 2023

10:15 AM – 10:25 AM  Prostate Cancer Genetics Care Delivery - What’s the Best Way to Test the Right Patients?
Veda Giri, MD
Yale University

10:25 AM – 10:45 AM  Discussion
First Question: George Butler, PhD

10:45 AM – 10:55 AM  Implementation of Genetics-Directed Prostate Cancer Screening - PRS
Jason Vassy, MD, SM, MPH
Brigham and Women's Hospital; Harvard Medical School; VA Boston Healthcare System

10:55 AM – 11:15 AM  Discussion
First Question: Abhijit Parolia, PhD

11:15 AM – 11:25 AM  Implementation of Genetics-Directed Prostate Cancer Screening - Rare Variants
Heather Cheng, MD, PhD
University of Washington; Fred Hutchinson Cancer Center

11:25 AM – 11:45 AM  Discussion
First Question: Ana Aparicio, MD

11:45 AM – 12:45 PM  Lunch  Plateia A

12:45 PM – 1:00 PM  Move to Session IV  Centennial A&B

**Session IV: Opportunities for Radiation to Enhance Therapeutic Benefit in Oligometastatic Prostate Cancer**

Session Chair:  Sophia Kamran, MD
Massachusetts General Hospital

1:00 PM – 1:10 PM  The Space-Time Continuum in Metastatic Castration-Sensitive Prostate Cancer: The Final Frontier?
Phuoc Tran, MD, PhD
University of Maryland

1:10 PM – 1:30 PM  Discussion
First Question: Beatrice Knudsen, MD, PhD
Friday, June 23, 2023

1:30 PM – 1:40 PM  
**Immune Effects of Ionizing Radiation**  
Silvia Formenti, MD  
Weill Cornell Medicine

1:40 PM – 2:00 PM  
Discussion  
First Question: Janelle Maynard, PhD

2:00 PM – 2:10 PM  
**Cell-Free DNA Epigenomics to Risk-Stratify Metastatic Prostate Cancer**  
Aadel Chaudhuri, MD, PhD  
Washington University in St. Louis

2:10 PM – 2:30 PM  
Discussion  
First Question: Alexandra Sokolova, MD

2:30 PM – 2:40 PM  
**Radiation Biology for Prostate Cancer: The Knowns and the Unknowns**  
Henning Willers, MD  
Massachusetts General Hospital; Harvard University

2:40 PM – 3:00 PM  
Discussion  
First Question: Ping Mu, PhD

3:00 PM – 3:15 PM  
**Break**

3:15 PM – 3:25 PM  
**Multi-Modal Applications of Artificial Intelligence in Oligometastatic Prostate Cancer**  
Julian Hong, MD  
University of California, San Francisco

3:25 PM – 3:45 PM  
Discussion  
First Question: Howard Scher, MD

3:45 PM – 3:55 PM  
**Metastasis Directed Therapy in Metachronous Oligometastatic Prostate Cancer: Current Perspectives and Future Directions**  
Matthew Deek, MD  
Rutgers University

3:55 PM – 4:15 PM  
Discussion  
First Question: Tamara Jamaspishvili, MD, PhD
Session V: Non-T cell Immune Therapies
Session Chair: Nicholas Zorko, MD, PhD
University of Minnesota

4:15 PM – 4:25 PM  Cellular Immunotherapy for Prostate Cancer
Saul Priceman, PhD
City of Hope

4:25 PM – 4:45 PM  Discussion
First Question: Tamara Lotan, MD

4:45 PM – 4:55 PM  MHC the Neglected Tumor Suppressor
Marcin Cieslik, PhD
University of Michigan

5:15 PM – 5:25 PM  Engineering NK Cells for Enhanced Solid Tumor Immunotherapy
Rizwan Romee, MD
Dana-Farber Cancer Institute

5:25 PM – 5:45 PM  Discussion
First Question: Leanne Woods-Burnham, PhD

5:45 PM – 6:45 PM  Dinner  Centennial C&D

6:45 PM – 7:00 PM  Move to Session V  Centennial A&B

7:00 PM – 7:10 PM  The Promise of B Cell Medicines for Local Protein Delivery: Regulation, and/or Eradication
Richard James, PhD
Seattle Children’s Research Institute

7:10 PM – 7:30 PM  Discussion
First Question: Rong Rong Huang, MD
Friday, June 23, 2023

7:30 PM – 7:40 PM  The Role of the Gut Microbiome in Anti-Tumor Immunity and Prostate Cancer Treatment Response
Karen Sfanos, PhD
Johns Hopkins University

7:40 PM – 8:00 PM  Discussion
First Question: Julian Hong, MD

8:00 PM – 8:10 PM  Activating the NLRP3 Inflammasome to Treat Advanced Prostate Cancer
Akash Patnaik, MD, PhD
University of Chicago

8:10 PM – 8:30 PM  Discussion
First Question: Sophia Kamran, MD

SATURDAY, JUNE 24, 2023

6:30 AM – 7:00 AM  Breakfast
Plateia A

7:00 AM – 7:10 AM  Move to Session VII
Centennial A&B

Session VII: AR as a Pro-Differentiation and Oncogenic Transcription Factor
Session Chair: Abhijit Parolia, PhD
University of Michigan

7:10 AM – 7:20 AM  Lessons Learned Studying the Cancer-Specific AR Cistrome
Mark Pomerantz, MD
Dana-Farber Cancer Institute

7:20 AM – 7:40 AM  Discussion
First question: Ekta Khurana, PhD

7:40 AM – 7:50 AM  Evolution and Plasticity of the Androgen Receptor in Prostate Cancer
Scott Dehm, PhD
University of Minnesota

7:50 AM – 8:10 AM  Discussion
First question: Catherine Marshall, MD, MPH
Saturday, June 24, 2023

8:10 AM – 8:20 AM  
**Bipolar Androgen Therapy: Differentiation Therapy for Advanced Prostate Cancer?**  
Laura A. Sena, MD, PhD  
John Hopkins University

8:20 AM – 8:40 AM  
Discussion  
First question: Felix Feng, MD

8:40 AM – 8:50 AM  
**Defining the role of the AR-PRC1 interaction in CRPC**  
Michael Haffner, MD, PhD  
Fred Hutchinson Cancer Center

8:50 AM – 9:10 AM  
Discussion  
First Question: Jelani Zarif, PhD

9:10 AM – 9:30 AM  
*Break*

9:30 AM – 9:40 AM  
**Targeting Androgen Receptor Functional Dependencies in Prostate Cancer**  
Kerry Burnstein, PhD  
University of Miami

9:40 AM – 10:00 AM  
Discussion  
First Question: Burcu Darst, PhD

10:00 AM – 10:10 AM  
**The Non-Canonical AR Cistrome of Lethal Prostate Cancer**  
Remi Adelaiye-Ogala, PhD  
University at Buffalo

10:10 AM – 10:30 AM  
Discussion  
First Question: Franklin Huang, MD

**Section IX: Why We Only Cure a Few with ADT and How to Change Dogma to Cure Metastatic Prostate Cancer without Castration?**

**Session Chair:**  
Catherine Marshall, MD, MPH  
Johns Hopkins University

10:30 AM – 10:40 AM  
**Extreme Responders to Treatment Across Cancers**  
David Solit, MD  
Memorial Sloan Kettering Cancer Center

10:40 AM – 11:00 AM  
Discussion  
First Question: Salma Kaochar, PhD
Saturday, June 24, 2023

11:00 AM – 11:10 AM  
**Mechanisms of Response to Neoadjuvant Androgen Pathway Inhibition in Prostate Cancer**  
Alok Tewari, MD, PhD  
Dana-Farber Cancer Institute

11:10 AM – 11:30 AM  
Discussion  
First Question: Jun Gong, MD

11:30 AM – 12:00 PM  
Group Pictures

12:00 PM – 1:00 PM  
Lunch  
Plateia A

**Free Afternoon**

1:15 PM – 2:15 PM  
**Personal Training Session** *(RSVP required, limited availability)*  
*Lunch available immediately following training session*

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

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

**Section IX: Why We Only Cure a Few with ADT and How to Change Dogma to Cure Metastatic Prostate Cancer without Castration?**

**Session Chair:**  
Catherine Marshall, MD, MPH  
Johns Hopkins University

6:00 PM – 6:10 PM  
**MYC Targeting and Pharmacology to Treat Prostate Cancer**  
Sarki Abdulkadir, MD, PhD  
Northwestern University

6:10 PM – 6:30 PM  
Discussion  
First Question: Himisha Beltran, MD
Saturday, June 24, 2023

6:30 PM – 6:40 PM  
**The Immune Microenvironment’s Role in Curing Prostate Cancer**  
Asmaa El-Kenawi, PhD  
Moffitt Cancer Center

6:40 PM – 7:00 PM  
Discussion  
First Question: Roni Haas, PhD

7:00 PM – 7:10 PM  
**Exploiting Prostate Cancer Metabolism for Cure**  
Massimo Loda, MD  
Weill Cornell Medicine

7:10 PM – 7:30 PM  
Discussion  
First Question: Kara Maxwell, MD, PhD

7:30 PM – 7:40 PM  
**Treating Prostate Cancer with Therapeutic Vaccines**  
Doug McNeel, MD, PhD  
University of Wisconsin

7:40 PM – 8:00 PM  
Discussion  
First Question: Alok Tewari, MD, PhD

SUNDAY, JUNE 25, 2023

6:30 AM – 7:20 AM  
Breakfast  
Plateia A

7:20 AM – 7:30 AM  
Move to Session X  
Centennial A&B

**Session X: New Era of AI-Driven Precision Medicine: Where Are We Now?**  
**Session Chair:** Tamara Jamaspishvili, MD, PhD  
SUNY Upstate Medical University

7:30 AM – 7:40 AM  
**The Future of Pathology in an AI-driven World: From Foundation Models to Ultra-Personalized Cancer Care**  
Thomas Fuchs, DrSc  
Icahn School of Medicine at Mount Sinai

7:40 AM – 8:00 AM  
Discussion  
First Question: Sumit Subudhi, MD, PhD
8:00 AM – 8:10 AM  **Populations Specific AI to Address Health Disparities in Prostate Cancer with Multi-Modal Data**  
*Rakesh Shiradkar, PhD*  
Emory University

8:10 AM – 8:30 AM  Discussion  
First Question: Tanya Stoyanova, PhD

8:30 AM – 8:40 AM  **Mixed Supervision for Biologically-Informed Pathology AI in Advanced Prostate Cancer**  
*Stephanie Harmon, PhD*  
National Cancer Institute

8:40 AM – 9:00 AM  Discussion  
First Question: Kirstin Zettlitz, PhD

9:00 AM – 9:10 AM  **AI, Pathomics and Tumor Infiltrating Lymphocytes**  
*Joel Saltz, MD, PhD*  
Stony Brook Medicine

9:10 AM – 9:30 AM  Discussion  
First Question: Laura Sena, MD, PhD

9:30 AM – 9:45 AM  **Break**

9:45 AM – 9:55 AM  **Multimodal Data Integration (Ultrasound, MRI, Pathology) for Improved Detection of Clinically Significant Prostate Cancer on Radiology Images**  
*Mirabela Rusu, PhD*  
Stanford University

9:55 AM – 10:15 AM  Discussion  
First Question: Nicholas Zorko, MD, PhD

*Hamid Tizhoosh, PhD*  
Mayo Clinic

10:25 AM – 10:45 AM  Discussion  
First Question: Amina Zoubeidi, PhD
Can We Improve on 19th-Century Microscopes and 20th-Century Pathologists?
Richard Levenson, MD
University of California, Davis

Discussion
First Question: Andrew Goldstein, PhD

Session XI: Closing Remarks
Meeting Debrief
Kenneth Pienta, MD
Johns Hopkins University
Howard Soule, PhD
Prostate Cancer Foundation

Departures – Boxed Lunches Provided
Centennial Foyer