



Prostate Cancer  
Foundation  
Curing Together.

8<sup>th</sup> Annual  
COFFEY-HOLDEN  
PROSTATE CANCER  
ACADEMY

*2021 Coffey-Holden  
Prostate Cancer Academy Meeting*

*Prostate Cancer Research in the 21<sup>st</sup> Century*

*June 24 - 25, 2021*

**Program Organizing Committee:**

Jelani Zarif, PhD, Committee Chair (Johns Hopkins University)  
Joshua Russo, MD, PhD (Harvard: Beth Israel Deaconess Medical Center (BIDMC))  
Samir Zaidi, MD, PhD (Memorial Sloan Kettering Cancer Center)  
Di Zhao, PhD (The University of Texas MD Anderson Cancer Center)  
Robert Flavell, MD, PhD (University of California, San Francisco)  
Shuang George Zhao, MD (University of Wisconsin)  
Catherine Coombs, MD (University of North Carolina, Chapel Hill)  
Kenneth Pienta, MD (Johns Hopkins University)  
Howard Soule, PhD (Prostate Cancer Foundation)  
Andrea Miyahira, PhD (Prostate Cancer Foundation)



**Thursday, June 24, 2021**

**\*All times in U.S. PDT\***

**Session I: Introduction**

7:00 AM – 7:10 AM

**Welcome and Opening Remarks**

**Stuart Holden, MD**

Prostate Cancer Foundation; University of California, Los Angeles

7:10 AM – 7:40 AM

**The Big Questions**

**Kenneth Pienta, MD**

Johns Hopkins University

**Session II: Clonal Hematopoiesis**

**Session Chair:**

**Catherine Coombs, MD**

University of North Carolina, Chapel Hill

7:40 AM – 7:45 AM

**Plasma cfDNA Analysis Reveals Clonal Hematopoiesis as a Major Source of Somatic Mutations**

**Pedram Razavi, MD, PhD**

Memorial Sloan Kettering Cancer Center

7:45 AM – 7:55 AM

Discussion

First Question: Heather Cheng, MD, PhD

7:55 AM – 8:00 AM

**The Impact of Cancer Therapy on Clonal Hematopoiesis and Risk of Secondary Leukemia**

**Kelly Bolton, MD, PhD**

Washington University in St Louis

8:00 AM – 8:10 AM

Discussion

First Question: Sarah Amend, PhD



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**Session III: Emerging Signaling Pathways in mCRPC**

**Session Chair:**

**Di Zhao, PhD**

The University of Texas MD Anderson Cancer Center

8:10 AM – 8:15 AM

**Targeting the AR/Integrin  $\alpha 6 \beta 1$  Axis in CRPC**

**Cindy K. Miranti, PhD**

University of Arizona Cancer Center

8:15 AM – 8:25 AM

Discussion

First Question: Akash Patnaik, MD, PhD

8:25 AM – 8:30 AM

**Chromosomal Instability and cGAS-STING: Friend or Foe?**

**Samuel Bakhoun, MD, PhD**

Memorial Sloan Kettering Cancer Center

8:30 AM – 8:40 AM

Discussion

First Question: Janielle Maynard, PhD

8:40 AM – 8:45 AM

**Targeting Autophagy Potentiates Immune Checkpoint Blockade in Prostate Cancer Therapy**

**Yuanyuan Qiao, PhD**

University of Michigan

8:45 AM – 8:55 AM

Discussion

First Question: Nima Sharifi, MD

8:55 AM – 9:00 AM

**Ferroptosis and Prostate Cancer**

**Scott J. Dixon, PhD**

Stanford University

9:00 AM – 9:10 AM

Discussion

First Question: Sumit Subudhi, MD, PhD

9:10 AM – 9:15 AM

**The Functional Role of Tumor Stroma in Cancer Progression**

**Raghu Kalluri, MD, PhD**

The University of Texas MD Anderson Cancer Center

9:15 AM – 9:25 AM

Discussion

First Question: Rana McKay, MD



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**Session IV: Wnt Signaling and the Challenges of Targeted Therapy**

**Session Chair:**

**Joshua Russo, MD, PhD**

Harvard: Beth Israel Deaconess Medical Center (BIDMC)

9:25 AM – 9:30 AM

**Wnt Signaling Drives Distinct Pathways in Primary and Metastatic Prostate Cancer**

**Steven Balk, MD, PhD**

Harvard: Beth Israel Deaconess Medical Center

9:30 AM – 9:40 AM

Discussion

First Question: Adam Sharp, MD, PhD

9:40 AM – 9:45 AM

**Precision Therapeutics for Lethal mCRPC: The Case for DKK1**

**David Wise, MD, PhD**

New York University

9:45 AM – 9:55 AM

Discussion

First Question: Xiao Wei, MD

9:55 AM – 10:00 AM

**Pre-Clinical Studies for Advancing Cirmtuzumab-Based Anti-ROR1 Therapies in Metastatic Prostate Cancer**

**Christina Jamieson, PhD**

University of California San Diego, Moores Cancer Center

10:00 AM – 10:10 AM

Discussion

First Question: Jimmy Zhao, MD, PhD

10:10 AM – 10:15 AM

**Targeting Hyperactive Wnt in Colon and Prostate Cancer**

**Lukas Dow, PhD**

Weill Cornell Medicine

10:15 AM – 10:25 AM

Discussion

First Question: Veronica Rodriguez-Bravo, PhD

10:25 AM – 10:30 AM

**Strategies to Mitigate Bone Toxicity when Targeting Wnt/B-Catenin Signaling**

**Bart Williams, PhD**

Van Andel Institute

10:30 AM – 10:40 AM

Discussion

First Question: Salma Kaochar, PhD, MFA



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***Keynote Lecture:***  
**10:40 AM – 11:20 AM**

**Neuroendocrine Cell Plasticity and Anti-Tumor Immunity**

**David Barbie, MD**

Harvard: Dana-Farber Cancer Institute

**Discussion**

**11:20 AM – 11:40 AM**

First Question: Jessica Hawley, MD

**END OF DAY 1**



**Friday, June 25, 2021**

**\*All times in U.S. PDT\***

7:00 AM – 7:05 AM

**Welcome & Opening Remarks**

**Jelani Zarif, PhD**

Organizing Committee Chair, 2021 Coffey-Holden Prostate Cancer Academy Meeting;  
Johns Hopkins University

**Session V: Cancer Immunotherapy and Synergizers**

**Session Chair:**

**Jelani Zarif, PhD**

Johns Hopkins University

7:05 AM – 7:10 AM

**Targeting MYC to Enhance Immunotherapy**

**Sarki Abdulkadir, MD, PhD**

Northwestern University School of Medicine

7:10 AM – 7:20 AM

Discussion

First Question: Nikki Delk, PhD

7:20 AM – 7:25 AM

**Elucidating Mechanisms by which Racial Differences Impact Drug Responsiveness and Anti-Tumor Immunity**

**Tonya Webb, PhD**

University of Maryland School of Medicine

7:25 AM – 7:35 AM

Discussion

First Question: Jeremie Calais, MD

7:35 AM – 7:40 AM

**Truncated O-Glycans as Immunotherapy Targets and Mediators of Immunosuppression in Prostate Cancer**

**Avery Posey, PhD**

University of Pennsylvania

7:40 AM – 7:50 AM

Discussion

First Question: Lorelei Mucci, ScD

7:50 AM – 7:55 AM

**Unexpected Targets and Biomarkers of Checkpoint Immunotherapy**

**Vassiliki A. Boussiotis, MD, PhD**

Harvard: Beth Israel Deaconess Medical Center

7:55 AM – 8:05 AM

Discussion

First Question: Amina Zoubeidi, PhD



Friday, June 25, 2021

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**Session VI: Mediators of Plasticity using Functional Genomic Approaches**

**Session Chair:** **Samir Zaidi, MD, PhD**  
Memorial Sloan Kettering Cancer Center

- 8:05 AM – 8:10 AM **Identification and Functional Characterization of High-Plasticity Cancer Cell States**  
**Tuomas Tammela, MD, PhD**  
Memorial Sloan Kettering Cancer Center
- 8:10 AM – 8:20 AM Discussion  
First Question: Isla Garraway, MD, PhD
- 8:20 AM – 8:25 AM **Shifting Transcriptional Vulnerabilities Beyond Androgen Therapy Exhaustion**  
**Rohit Bose, MD, PhD**  
University of California, San Francisco
- 8:25 AM – 8:35 AM Discussion  
First Question: Mehmet Bilen, MD
- 8:35 AM – 8:40 AM **Understanding Androgen Deprivation Induced Lineage Plasticity: Leveraging New and Old Models Systems**  
**Wouter Karthaus, PhD**  
Memorial Sloan Kettering Cancer Center
- 8:40 AM – 8:50 AM Discussion  
First Question: Huihui Ye, MD
- 8:50 AM – 8:55 AM **Targeting Critical Epigenetic Factors that Promote Prostate Cancer Lineage Plasticity**  
**Joshi Alumkal, MD**  
University of Michigan
- 8:55 AM – 9:05 AM Discussion  
First Question: Ayesha Shafi, PhD
- 9:05 AM – 9:10 AM **MYC Drives Aggressive Prostate Cancer by Disrupting Transcriptional Pause Release at Androgen Receptor Targets**  
**David P. Labbé, PhD**  
McGill University
- 9:10 AM – 9:20 AM Discussion  
First Question: Arianna Giacobbe, PhD



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**Session VII: Cancer Genomics & Sequencing**

**Session Chair:** **Shuang George Zhao, MD**  
University of Wisconsin

9:20 AM – 9:25 AM **Emerging Opportunities at the Interface of Clinical Computational Oncology and Prostate Cancer**

**Eliezer Van Allen, MD**  
Harvard: Dana-Farber Cancer Institute

9:25 AM – 9:35 AM Discussion  
First Question: Lucia Nappi, MD, PhD

9:35 AM – 9:40 AM **Using Functional Genomics Approaches to Interrogate Molecular Drivers of Prostate Cancer**

**Felix Feng, MD**  
University of California, San Francisco

9:40 AM – 9:50 AM Discussion  
First Question: Stephanie Harmon, PhD

9:50 AM – 9:55 AM **Plasticity in Neuroendocrine Prostate Cancer**

**Himisha Beltran, MD**  
Harvard: Dana-Farber Cancer Institute

9:55 AM – 10:05 AM Discussion  
First Question: Gail Prins, PhD

**Session VIII: Imaging the Tumor Microenvironment and Metabolism**

**Session Chair:** **Robert Flavell, MD, PhD**  
University of California, San Francisco

10:05 AM – 10:10 AM **Image Habitats in Prostate Cancer**

**Yoganand Balagurunathan, PhD**  
Moffitt Cancer Center

10:10 AM – 10:20 AM Discussion  
First Question: Rebecca Graff, ScD

10:20 AM – 10:25 AM **Capturing the First *In Vivo* Measurements of the Labile Iron Pool with PET to Understand its Potential as a Theranostic Target in Prostate Cancer**

**Michael Evans, PhD**  
University of California, San Francisco

10:25 AM – 10:35 AM Discussion  
First Question: Adam Sowalsky, PhD





**Friday, June 25, 2021**

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- 10:35 AM – 10:40 AM      **Hyperpolarized <sup>13</sup>C Metabolic Imaging of Metastatic Prostate Cancer – Current Status and Next Steps**  
**John Kurhanewicz, PhD**  
University of California, San Francisco
- 10:40 AM – 10:50 AM      Discussion  
First Question: Susan Logan, PhD
- 10:50 AM – 10:55 AM      **Metabolic Imaging of Prostate Cancer**  
**Kayvan Keshari, PhD**  
Memorial Sloan Kettering Cancer Center
- 10:55 AM – 11:05 AM      Discussion  
First Question: Ana Aparicio, MD
- 11:05 AM – 11:10 AM      **Imaging Tumor-Infiltrating CD8 Lymphocytes using ImmunoPET**  
**Anna Wu, PhD**  
City of Hope
- 11:10 AM – 11:20 AM      Discussion  
First Question: Christopher Barbieri, MD, PhD

**Session IX: Closing Remarks**

- 11:20 AM – 11:35 AM      **Meeting Debrief**  
**Kenneth Pienta, MD**  
Johns Hopkins University  
**Howard Soule, PhD**  
Prostate Cancer Foundation

**END OF DAY 2**