



Prostate Cancer  
Foundation  
Curing Together.

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

*2019 Coffey-Holden  
Prostate Cancer Academy Meeting*

*Prostate Cancer Research: The Next Generation*

*June 20 - 23, 2019  
University of California, Los Angeles  
Luskin Conference Center  
Los Angeles, CA*

**Program Organizing Committee:**

Adam Sharp, MD, PhD, Committee Chair (Institute of Cancer Research)  
Leigh Ellis, PhD (Harvard: Dana-Farber Cancer Institute)  
Jennifer Jones, MD, PhD (National Institutes of Health)  
Salma Kaochar, PhD (Baylor College of Medicine)  
Benjamin Larman, PhD (Johns Hopkins University)  
David Quigley, PhD (University of California, San Francisco)  
Huihui Ye, MD (University of California, Los Angeles)  
Kenneth Pienta, MD (Johns Hopkins University)  
Howard Soule, PhD (Prostate Cancer Foundation)  
Andrea Miyahira, PhD (Prostate Cancer Foundation)



**THURSDAY, JUNE 20, 2019**

3:00 PM - 5:00 PM	<b>Registration</b>	<i>Centennial Foyer</i>
5:00 PM - 6:00 PM	<b>Welcome Reception</b>	<i>Centennial Terrace</i>
6:00 PM - 7:15 PM	<b>Welcome Dinner</b>	<i>Centennial Terrace</i>
7:15 PM - 7:30 PM	<b>Move to Session I</b>	<i>Centennial A&amp;B</i>

**Session I: Introduction**

Location: *Centennial A&B*

7:30 PM - 7:40 PM	<b>Welcome and Opening Remarks</b> <b>Stuart Holden, MD</b> Prostate Cancer Foundation; University of California, Los Angeles
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**Distinguished Lecture:**  
**7:40 PM – 8:40 PM**

**Prostate Tumor Biology**  
**Ronald DePinho, MD**  
The University of Texas MD Anderson Cancer Center

**Discussion**  
**8:40 PM – 9:00 PM**  
First Question: Akash Patnaik, MD, PhD



**FRIDAY, JUNE 21, 2019**

6:00 AM - 7:00 AM	<b>Breakfast</b>	<i>Plateia A</i>
6:15 AM	<b>Registration</b>	<i>Centennial Foyer</i>
7:00 AM - 7:10 AM	<b>Move to Session II</b>	<i>Centennial A&amp;B</i>

**Session II: The Big Questions**

7:10 AM - 7:40 AM	<b>The Big Questions</b> <b>Kenneth Pienta, MD</b> Johns Hopkins University
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**Session III: Viewing Tumor Heterogeneity from the Single Cell Level**

**Session Chair:** **Leigh Ellis, PhD**  
Harvard: Dana-Farber Cancer Institute

7:40 AM - 7:50 AM	<b>Trans-Scaling the Tumor Microenvironment: Moving from Molecular to Functional Analysis of Single Cells</b> <b>Joshua Lang, MD</b> University of Wisconsin
7:50 AM – 8:10 AM	Discussion First Question: Saul Priceman, PhD
8:10 AM - 8:20 AM	<b>Massively Multiplex Single-Cell Chemical Transcriptomics</b> <b>Vijay Ramani, PhD</b> University of California, San Francisco
8:20 AM – 8:40 AM	Discussion First Question: Ana Aparicio, MD
8:40 AM - 8:50 AM	<b>Stromal Regulation of Prostate Cancer Development</b> <b>Hubert Pakula, PhD</b> Weill Cornell Medicine
8:50 AM – 9:10 AM	Discussion First Question: Jelani Zarif, PhD



Friday, June 21, 2019

9:10 AM – 9:20 AM	<b>Chromatin Accessibility in Neuroendocrine Cancers</b> <b>Myles Brown, MD</b> Harvard: Dana-Farber Cancer Institute
9:20 AM – 9:40 AM	Discussion First Question: Michael Freeman, PhD
9:40 AM – 9:50 AM	<b>Adaptive Immune Resistance to Androgen-Deprivation Therapy</b> <b>Charles Drake, MD, PhD</b> Columbia University Medical Center
9:50 AM – 10:10 AM	Discussion First Question: Joshi Alumkal, MD
10:10 AM – 10:30 AM	<b>Break</b>
<b><u>Session IV: Checkpoint Synergizers</u></b>	
<b>Session Chair:</b>	<b>Benjamin Larman, PhD</b> Johns Hopkins University
10:30 AM – 10:40 AM	<b>Targeting EZH2 Enhances Response to PD-1 Blockade in Prostate Cancer</b> <b>Leigh Ellis, PhD</b> Harvard: Dana-Farber Cancer Institute
10:40 AM – 11:00 AM	Discussion First Question: Tanya Dorff, MD
11:00 AM – 11:10 AM	<b>Multiple Suppressive Pathways May Underscore Resistance to PD-1 Therapy in mCRPC</b> <b>Amy Moran, PhD</b> Oregon Health & Science University
11:10 AM – 11:30 AM	Discussion First Question: Andrew Goldstein, PhD



**Friday, June 21, 2019**

11:30 AM – 11:40 AM	<b>Improving Immune Checkpoint Inhibitor Therapy in Cancer</b> <b>Dan Theodorescu, MD, PhD</b> Cedars-Sinai Medical Center	
11:40 AM – 12:00 PM	Discussion First Question: Nicholas Nickols, MD, PhD	
12:00 PM – 1:00 PM	<b>Lunch</b>	<i>Plateia A</i>
1:00 PM - 1:15 PM	<b>Move to Session V</b>	<i>Centennial A&amp;B</i>
1:15 PM – 1:25 PM	<b>Hypoxia Drives Tumor Immune Suppression and Immunotherapy Resistance</b> <b>Michael Curran, PhD</b> The University of Texas MD Anderson Cancer Center	
1:25 PM – 1:45 PM	Discussion First Question: Himisha Beltran, MD	
1:45 PM – 1:55 PM	<b>PD-1 Blockade with T-cell Activation – An Opportunity to Treat “Cold” Prostate Cancer</b> <b>Douglas McNeel, MD, PhD</b> University of Wisconsin	
1:55 PM – 2:15 PM	Discussion First Question: Lorelei Mucci, ScD	
2:15 PM – 2:30 PM	<b>Break</b>	
<b><u>Session V: Scanning the Horizon: Novel Agents for Precision Targeted Therapies</u></b>		
<b>Session Chair:</b>	<b>Salma Kaochar, PhD</b> Baylor College of Medicine	
2:30 PM – 2:40 PM	<b>AR Switch in Treatment-Induced NEPC</b> <b>Amina Zubeidi, PhD</b> Vancouver Prostate Centre	
2:40 PM – 3:00 PM	Discussion First Question: Marcin Kortylewski, PhD	



**Friday, June 21, 2019**

3:00 PM – 3:10 PM	<b>Decoding the Cancer Genome One Codon at a Time and Its Therapeutic Implications</b> <b>Daive Ruggero, PhD</b> University of California, San Francisco	
3:10 PM – 3:30 PM	Discussion First Question: David Ulmert, MD, PhD	
3:30 PM – 3:40 PM	<b>Trop2 is a Driver and Therapeutic Target for Metastatic Castration Resistant Prostate Cancer with Neuroendocrine Phenotype</b> <b>Tanya Stoyanova, PhD</b> Stanford University	
3:40 PM – 4:00 PM	Discussion First Question: Hala Borno, MD	
4:00 PM – 4:10 PM	<b>Lessons Learned from Bipolar Androgen Therapy: Should We Rethink the Hormone Treatment Paradigm for Advanced Prostate Cancer?</b> <b>Samuel Denmeade, MD</b> Johns Hopkins University	
4:10 PM – 4:30 PM	Discussion First Question: Paul Boutros, PhD	
4:30 PM – 5:00 PM	<b>Break</b>	
5:00 PM – 6:15 PM	<b>Dinner</b>	<i>Centennial Terrace</i>
6:15 PM - 6:30 PM	<b>Move to Session VI</b>	<i>Centennial A&amp;B</i>

**Session VI: Work Life Balance Session**

6:30 PM – 8:00 PM	<b>Work Life Balance: Taking Care of Yourself as You Take Care of Others</b> <b>Beth Argus, MFT, CEAP</b> University of California, Los Angeles <b>Wendy Walsdorf, LMFT</b> University of California, Los Angeles	
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**SATURDAY, JUNE 22, 2019**

6:30 AM - 7:00 AM	<b>Breakfast</b>	<i>Plateia A</i>
7:00 AM - 7:10 AM	<b>Move to Session VII</b>	<i>Centennial A&amp;B</i>

**Session VII: Extracellular Vesicles: Agents and Indicators of Tumor Evolution**

**Session Chair:** **Jennifer Jones, MD, PhD**  
National Institutes of Health

7:10 AM – 7:20 AM **Large Oncosomes as Functional Regulators and Circulating Biomarkers of Prostate Cancer Progression**

**Dolores Di Vizio, MD, PhD**  
Cedars-Sinai Medical Center

7:20 AM – 7:40 AM Discussion  
First Question: Heather Cheng, MD, PhD

7:40 AM – 7:50 AM **EV-Based Biomarkers for the Diagnosis and Monitoring of Malignant Gliomas**

**Leonora Balaj, PhD**  
Massachusetts General Hospital, Harvard Medical School

7:50 AM – 8:10 AM Discussion  
First Question: John Isaacs, PhD

8:10 AM – 8:20 AM **Extracellular Vesicles for Precision Medicine**

**Jennifer Jones, MD, PhD**  
National Institutes of Health

8:20 AM – 8:40 AM Discussion  
First Question: Andrew Hsieh, MD

8:40 AM – 8:50 AM **Melanoma Cell-Derived Exosomes (MTEX) from Patients' Plasma Mediate Suppression of Immune Effector Cells**

**Theresa Whiteside, PhD**  
University of Pittsburgh

8:50 AM – 9:10 AM Discussion  
First Question: Rajan Kulkarni, MD, PhD

9:10 AM – 9:30 AM **Break**



Saturday, June 22, 2019

**Session VIII: Spatial Profiling of Epigenetics and Microenvironment**

**Session Chair:** **Huihui Ye, MD**  
University of California, Los Angeles

- 9:30 AM – 9:40 AM **Next Generation *In Situ* Assays Using Rolling Circle Amplification**  
**Michael Haffner, MD, PhD**  
Johns Hopkins University
- 9:40 AM – 10:00 AM Discussion  
First Question: Adam Dicker, MD, PhD
- 10:00 AM – 10:10 AM **Vasculature is a Critical Component of T-Cell Infiltration into Tumors**  
**Haydn Kissick, PhD**  
Emory University
- 10:10 AM – 10:30 AM Discussion  
First Question: Gina Chu, PhD
- 10:30 AM – 10:40 AM **Multispectral Imaging to Characterize Tumor Immune Microenvironment (TIME) in Primary Prostate Cancer**  
**Houssein Sater, MD**  
National Cancer Institute
- 10:40 AM – 11:00 AM Discussion  
First Question: Felix Feng, MD
- 11:00 AM – 11:10 AM **Profiling Anti-Tumor Immunity in High-Risk Localized Prostate Cancer after Treatment Targeting the B7-H3 Checkpoint: Multiplexed Tissue Analysis Utilizing the Nanostring DSP Platform**  
**Eugene Shenderov, MD**  
Johns Hopkins University
- 11:10 AM – 11:30 AM Discussion  
First Question: Peter Kuhn, PhD
- 11:30 AM – 11:40 AM **Computational Pathology to Dissect Prostate Cancer Phenotypes**  
**Beatrice Knudsen, MD, PhD**  
Cedars-Sinai Medical Center
- 11:40 AM – 12:00 PM Discussion  
First Question: Ravi Madan, MD





**Saturday, June 22, 2019**

12:00 PM – 12:15 PM	<b>Group Pictures</b>	
12:15 PM – 1:15 PM	<b>Lunch</b>	<i>Plateia A</i>
	<b>FREE AFTERNOON</b>	
1:15 PM – 2:15 PM	<b>Personal Training Session</b> <i>(RSVP required, limited availability)</i> <i>Lunch available immediately following training session</i>	
5:00 PM – 5:45 PM	<b>Dinner</b>	<i>Centennial Terrace</i>
5:45 PM – 5:55 PM	<b>Move to Session IX</b>	<i>Centennial A&amp;B</i>

**Session IX: The Next Generation of Functional Screening Methods**

<b>Session Chair:</b>	<b>David Quigley, PhD</b> University of California, San Francisco
5:55 PM – 6:15 PM	<b>Multiplexed Functional Assays for Understanding Genetic Variation</b> <b>Lea Starita, PhD</b> University of Washington
6:15 PM – 6:35 PM	Discussion First Question: Simpa Salami, MD
6:35 PM – 6:45 PM	<b>Functionally Mapping Genetic Interactions Driving Metastatic Prostate Cancer</b> <b>Luke Gilbert, PhD</b> University of California, San Francisco
6:45 PM – 7:05 PM	Discussion First Question: Isla Garraway, MD, PhD
7:05 PM – 7:15 PM	<b>Functionally Characterizing Variants of Unknown Significance Using Base Editing</b> <b>Alexis Komor, PhD</b> University of California, San Diego
7:15 PM – 7:35 PM	Discussion First Question: Leland Chung, PhD



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**Saturday, June 22, 2019**

7:35 PM – 7:45 PM

**Decoding the Noncoding Prostate Cancer Genome**

**Housheng Hansen He, PhD**

Princess Margaret Cancer Centre

7:45 PM – 8:05 PM

Discussion

First Question: Sumit Subudhi, MD, PhD

8:05 PM – 8:15 PM

**Charting the Prostate Epigenomic Landscape from Transformation to Progression**

**Mark Pomerantz, MD**

Harvard: Dana-Farber Cancer Institute

8:15 PM – 8:35 PM

Discussion

First Question: Edwin Posadas, MD



**SUNDAY, JUNE 23, 2019**

6:30 AM - 7:20 AM	<b>Breakfast</b>	<i>Plateia A</i>
7:20 AM - 7:30 AM	<b>Move to Session X</b>	<i>Centennial A&amp;B</i>

**Session X: Therapeutic Strategies in Advanced Prostate Cancer: How Do We Up Our Game?**

**Session Chair:** **Adam Sharp, MD, PhD**  
Institute of Cancer Research

7:30 AM – 7:40 AM **Novel Strategies for Targeting DNA Repair in Prostate Cancer**

**Karen Knudsen, PhD**  
Thomas Jefferson University

7:40 AM – 8:00 AM Discussion  
First Question: Daniel Spratt, MD

8:00 AM – 8:10 AM **Translating Genomics to Biology and Clinical Impact**

**Christopher Barbieri, MD, PhD**  
Weill Cornell Medicine

8:10 AM – 8:30 AM Discussion  
First Question: Janet Markman, PhD

8:30 AM – 8:40 AM **Nuclear Pore-Regulated Mechanisms as Potential Therapeutic Targets for Lethal Prostate Cancer**

**Veronica Rodriguez-Bravo, PhD**  
Thomas Jefferson University

8:40 AM – 9:00 AM Discussion  
First Question: Steven Balk, MD, PhD

9:00 AM – 9:10 AM **Targeting M2-Tumor Associated Macrophages (M2-TAMs) to Overcome Tumor Immunity in mCRPC**

**Jelani Zarif, PhD**  
Johns Hopkins University

9:10 AM – 9:30 AM Discussion  
First Question: Matthew Rettig, MD



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**Sunday, June 23, 2019**

9:30 AM – 9:40 AM

**What Precision Medicine Tests Should be Guiding the Treatment of Men with Metastatic Prostate Cancer?**

**Andrew Armstrong, MD**

Duke University

9:40 AM – 10:00 AM

Discussion

First Question: Robert Den, MD

**Session XI: Closing Remarks**

10:00 AM – 11:00 AM

**Meeting Debrief**

**Kenneth Pienta, MD**

Johns Hopkins University

**Howard Soule, PhD**

Prostate Cancer Foundation

11:00 AM

**Departures - *Boxed Lunches Provided***