



Prostate Cancer
Foundation
Curing Together.

6th Annual
COFFEY-HOLDEN
PROSTATE CANCER
ACADEMY
JUNE 21-24, 2018

*2018 Coffey-Holden
Prostate Cancer Academy Meeting*

Tumor Cell Heterogeneity and Resistance

*June 21 - 24, 2018
UCLA Luskin Conference Center
Los Angeles, CA*

Program Organizing Committee:

Robert Den, MD, Chair (Thomas Jefferson University)
Maria Carlo, MD (Memorial Sloan Kettering Cancer Center)
Renée de Leeuw, PhD (Thomas Jefferson University)
Thomas Hope, MD (University of California, San Francisco)
Fatima Karzai, MD (National Cancer Institute)
Rana McKay, MD (University of California, San Diego)
Simpa Salami, MD (University of Michigan)
Howard Soule, PhD (Prostate Cancer Foundation)
Kenneth Pienta, MD (Johns Hopkins University)
Andrea Miyahira, PhD (Prostate Cancer Foundation)



THURSDAY, JUNE 21, 2018

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

Session I: Introduction

Location: *Centennial A&B*

7:30 PM - 7:40 PM	Welcome and Opening Remarks Stuart Holden, MD Prostate Cancer Foundation; University of California, Los Angeles
-------------------	---

Distinguished Lecture:
7:40 PM - 8:40 PM

Proteogenomic Characterization of Solid and Liquid Biopsies in Prostate Cancer

Peter Kuhn, PhD

University of Southern California

Discussion

8:40 PM – 9:00 PM

First Question: Himisha Beltran, MD



FRIDAY, JUNE 22, 2018

6:15 AM	Registration	<i>Centennial Foyer</i>
6:15 AM - 7:15 AM	Breakfast	<i>Plateia A</i>
7:15 AM - 7:30 AM	Move to Session II	<i>Centennial A&B</i>

Session II: The Big Questions

7:30 AM - 8:00 AM	The Big Questions Kenneth Pienta, MD Johns Hopkins University
-------------------	---

Session III: Recognizing Tumor Heterogeneity

Session Chair:	Simpa Salami, MD University of Michigan
-----------------------	---

8:00 AM - 8:20 AM	Prostate Cancer Evolution: The Emergence of New Species Driven by Treatment Pressure Peter Nelson, MD University of Washington
8:20 AM – 8:40 AM	Discussion First Question: Joshua Lang, MD
8:40 AM - 8:50 AM	Imaging Approaches for Identifying Heterogeneous and Aggressive Prostate Cancer Robert Reiter, MD University of California, Los Angeles
8:50 AM – 9:10 AM	Discussion First Question: Reem Malek, PhD
9:10 AM - 9:20 AM	Intraperson Heterogeneity: Molecular Correlates of Differential mpMRI and Pathologic Response to Neoadjuvant ADT Plus Enzalutamide Adam Sowalsky, PhD National Cancer Institute
9:20 AM – 9:40 AM	Discussion First Question: Thomas Hope, MD



Friday, June 22, 2018

9:40 AM – 9:50 AM	Rethinking the Detection and Development of Aggressive Prostate Cancer Scott Tomlins, MD, PhD University of Michigan
9:50 AM – 10:10 AM	Discussion First Question: Ayesha Shafi, PhD
10:10 AM – 10:30 AM	Break
<i>Session IV: Therapy Driven Heterogeneity and Resistance</i>	
Session Chair:	Marie Carlo, MD Memorial Sloan Kettering Cancer Center
10:30 AM – 10:40 AM	Cellular Plasticity in Treatment Resistance Amina Zubeidi, PhD Vancouver Prostate Centre
10:40 AM – 11:00 AM	Discussion First Question: Saul Priceman, PhD
11:00 AM – 11:20 AM	The Immune Microenvironment Determines Radio Curability Ralph Weichselbaum, MD University of Chicago
11:20 AM – 11:40 AM	Discussion First Question: Srinivas Viswanathan, MD, PhD
11:40 AM – 11:50 AM	Dissecting Mechanisms of Radiation Resistance in Prostate Cancer Kent Mouw, MD, PhD Harvard: Dana-Farber Cancer Institute
11:50 AM – 12:10 PM	Discussion First Question: Shabnam Shalapour, PhD
12:10 PM – 12:20 PM	Modulators of Enzalutamide Resistance and Sensitivity in Cells with AR-Amplification Rohit Bose, MD, PhD University of California, San Francisco
12:20 PM – 12:40 PM	Discussion First Question: Christopher Barbieri, MD, PhD



Friday, June 22, 2018

12:40 PM – 1:45 PM	Lunch	<i>Plateia A</i>
1:45 PM - 2:00 PM	Move to Session V	<i>Centennial A&B</i>

Session V: Clinical Trials Designed Resistance/Heterogeneity

Session Chair: **Rana McKay, MD**
University of California, San Diego

2:00 PM – 2:10 PM **Neoadjuvant Intense Androgen Deprivation Therapy for High Risk Localized Prostate Cancer – Are We Ready for a Phase 3 Trial?**

Rana McKay, MD
University of California, San Diego

2:10 PM – 2:20 PM **Resistance Mechanisms in Neoadjuvant Intensive Androgen Deprivation Therapy**

Hui Hui Ye, MD
Harvard: Beth Israel Deaconess Medical Center

2:20 PM – 2:40 PM Discussion
First Question: Tanya Dorff, MD

2:40 PM – 2:50 PM **Evaluating Therapies in Prostate Cancer: Beyond Anatomic Distribution**

Ana Aparicio, MD
The University of Texas MD Anderson Cancer Center

2:50 PM – 3:10 PM Discussion
First Question: Robert Den, MD

3:10 PM – 3:20 PM **Emerging Strategies for Crowdsourced Genomic Discovery in Prostate Cancer**

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

3:20 PM – 3:40 PM Discussion
First Question: William Dahut, MD

3:40 PM – 3:50 PM **A New Era of Clinical Trials: Novel Designs and Biomarker Based Studies in Prostate Cancer**

Howard Scher, MD
Memorial Sloan Kettering Cancer Center

3:50 PM – 4:10 PM Discussion
First Question: Isla Garraway, MD, PhD

4:10 PM – 4:20 PM **Break**



Friday, June 22, 2018

Session VI: Microenvironment: The Cancer Swamps

Session Chair:	Renée de Leeuw, PhD Thomas Jefferson University	
4:20 PM – 4:30 PM	Stromal Regulation of Prostate Cancer Progression Massimo Loda, MD Harvard: Dana-Farber Cancer Institute	
4:30 PM – 4:50 PM	Discussion First Question: Andrew Goldstein, PhD	
4:50 PM – 5:00 PM	Tissue Recombination Between Mesenchyme and Epithelial Stem Cells for Studying Drivers of Tumor Epithelium Phenotype Scott Cramer, PhD University of Colorado Denver	
5:00 PM – 5:20 PM	Discussion First Question: Matthew Rettig, MD	
5:20 PM – 5:30 PM	Revisiting Seed and Soil: How Cancer Cell Foraging Promotes Metastasis Sarah Amend, PhD Johns Hopkins University	
5:30 PM – 5:50 PM	Discussion First Question: Nicholas Nickols, MD, PhD	
5:50 PM – 6:00 PM	Prostate Stroma Supports Tissue Phenotypes of Human Primary Prostate Organoids and Tumoroids Larisa Nonn, PhD University of Illinois at Chicago	
6:00 PM – 6:20PM	Discussion First Question: Renée de Leeuw, PhD	
6:20 PM – 6:30 PM	Temporal/Spatial Transcriptomic Analysis of Normal and Neoplastic Stem Cell Niches Charles Chan, PhD Stanford University	
6:30 PM – 6:50PM	Discussion First Question: Xiao Wei, MD	
7:00 PM – 7:45 PM	Dinner	<i>Centennial Terrace</i>
7:45 PM - 8:00 PM	Move to Session VI	<i>Centennial A&B</i>
8:00 PM – 9:00 PM	Twitter RFA Breakout Session	<i>Centennial A&B</i>



SATURDAY, JUNE 23, 2018

7:00 AM - 7:45 AM	Breakfast	<i>Plateia A</i>
7:45 AM - 8:00 AM	Move to Session VII	<i>Centennial A&B</i>

Session VII: Heterogeneity and Metastasis

Session Chair: **Thomas Hope, MD**
University of California, San Francisco

8:00 AM – 8:20 AM **Systemic Imaging of PD-L1 and PD-1**
Elisabeth de Vries, MD, PhD
University Medical Center Groningen, Netherlands

8:20 AM – 8:40 AM Discussion
First Question: Simpa Salami, MD

8:40 AM – 8:50 AM **Radiation Therapy in Oligometastatic Recurrent or Progressive Prostate Cancer**
Phuoc Tran, MD, PhD
Johns Hopkins University

8:50 AM – 9:10 AM Discussion
First Question: Di Zhao, PhD

9:10 AM – 9:30 AM **Restriction Spectrum Imaging of Metastatic Prostate Cancer**
Michael Hahn, MD, PhD
University of California, San Diego

9:30 AM – 9:50 AM Discussion
First Question: Ganesh Palapattu, MD

9:50 AM – 10:10 AM **Prostate Cancer Heterogeneity: The Bane and the Opportunities**
David Quinn, MD
University of Southern California

10:10 AM – 10:30 AM Discussion
First Question: Adam Dicker, MD, PhD

10:30 AM – 11:00 AM **Twitter RFA Awards**

11:00AM – 11:30 AM **WWCD: What Would Coffey Do?**

11:30 AM – 11:45 AM **Group Pictures**



Saturday, June 23, 2018

11:45 AM – 1:00 PM	Lunch	<i>Plateia A</i>
	FREE AFTERNOON	
1:15 PM – 2:15 PM	Personal Training Session <i>(RSVP required, limited availability)</i> <i>Lunch available immediately following training session</i>	
5:00 PM – 5:45 PM	Dinner	<i>Centennial Terrace</i>
5:45 PM – 6:00 PM	Move to Session VIII	<i>Centennial A&B</i>

Session VIII: Immunotherapeutic Approaches to Heterogeneity

Session Chair:

Fatima Karzai, MD
National Cancer Institute

6:00 PM – 6:20 PM	Immunologic Heterogeneity: Perils and Prospects (or Potential) James Gulley, MD, PhD National Cancer Institute Ravi Madan, MD National Cancer Institute
6:20 PM – 6:40 PM	Discussion First Question: Rana McKay, MD
6:40 PM – 6:50 PM	Overcoming the Immunosuppressive Tumor Microenvironment in Prostate Cancer Sumit Subudhi, MD, PhD The University of Texas MD Anderson Cancer Center
6:50 PM – 7:10 PM	Discussion First Question: Andrew Hsieh, MD
7:10 PM – 7:30 PM	Break
7:30 PM – 7:40 PM	Synthetic Essentiality: Targeting Genetic Heterogeneity in Prostate Cancer Di Zhao, PhD The University of Texas MD Anderson Cancer Center
7:40 PM – 8:00 PM	Discussion First Question: Won Kim, MD



Prostate Cancer
Foundation
Curing Together.

6th Annual
COFFEY-HOLDEN
PROSTATE CANCER
ACADEMY
JUNE 21-24, 2018

Saturday, June 23, 2018

8:00 PM – 8:10 PM

The Hostile Immune Environment of the Prostate

Haydn Kissick, PhD

Emory University

8:10 PM – 8:30 PM

Discussion

First Question: Rajan Kulkarni, MD

8:30 PM – 8:40 PM

**Role of TRM Cells in Tumor Heterogeneity and Response to
Immunotherapy**

Kavita Dhodapkar, MD

Yale University

8:40 PM – 9:00 PM

Discussion

First Question: Bryan Smith, PhD



SUNDAY, JUNE 24, 2018

7:00 AM - 7:45 AM	Breakfast	<i>Plateia A</i>
7:45 AM - 8:00 AM	Move to Session IX	<i>Centennial A&B</i>

Session IX: Genomically Driven Diversity and Resistance

Session Chair: Robert Den, MD
Thomas Jefferson University

8:00 AM – 8:20 AM **Systematic Approaches to Identify Genes Involved in Castrate Resistant Prostate Cancer**

William Hahn, MD
Harvard: Dana-Farber Cancer Institute

8:20 AM – 8:40 AM Discussion
First Question: Christopher Logothetis, MD

8:40 AM – 8:50 AM **Epigenetic Alterations Involved in Castration Resistance**

Michael Haffner, MD, PhD
Johns Hopkins University

8:50 AM – 9:10 AM Discussion
First Question: Stephanie Harmon, PhD

9:10 AM – 9:20 AM **Intratumoral and Intertumoral Genomic Heterogeneity of Multifocal Localized Prostate Cancer: Implications for Molecular Subtyping**

Hannelore Heemers, PhD
Cleveland Clinic

9:20 AM – 9:40 AM Discussion
First Question: Maria Carlo, MD

9:40 AM – 9:50 AM **Insights from Whole Genome Sequencing of 101 Metastatic Castration Resistant Prostate Cancers**

Felix Feng, MD
University of California, San Francisco

9:50 AM – 10:10 AM Discussion
First Question: John Shen, MD

10:10 AM – 10:20 AM **Tumor Heterogeneity, AR-V7, and Resistance to Abiraterone and Enzalutamide**

Andrew Armstrong, MD
Duke University

10:20 AM – 10:40 AM Discussion
First Question: Sarah Amend, PhD



Prostate Cancer
Foundation
Curing Together.

6th Annual
COFFEY-HOLDEN
PROSTATE CANCER
ACADEMY
JUNE 21-24, 2018

Sunday, June 24, 2018

10:40 AM – 11:00 AM **Convergent Evolution to a Stem Cell Phenotype in Epithelial Cancers**
Owen Witte, MD
University of California, Los Angeles

11:00 AM – 11:20 AM Discussion
First Question: Akash Patnaik, MD, PhD

Session X: Closing Remarks

11:20 AM – 12:00 PM **Meeting Debrief**
Kenneth Pienta, MD
Johns Hopkins University
Howard Soule, PhD
Prostate Cancer Foundation

12:00 PM **Departures - *Boxed Lunches Provided***