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    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 I    Centennial A&B

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

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 Breakfast Plateia A
6:15 AM Registration Centennial Foyer
7:00 AM - 7:10 AM Move to Session II Centennial A&B

Session II: The Big Questions

7:10 AM - 7:40 AM The Big Questions
Kenneth Pienta, MD
Johns Hopkins University

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 Trans-Scaling the Tumor Microenvironment: Moving from Molecular to Functional Analysis of Single Cells
Joshua Lang, MD
University of Wisconsin

7:50 AM – 8:10 AM Discussion
First Question: Saul Priceman, PhD

8:10 AM - 8:20 AM Massively Multiplex Single-Cell Chemical Transcriptomics
Vijay Ramani, PhD
University of California, San Francisco

8:20 AM – 8:40 AM Discussion
First Question: Ana Aparicio, MD

8:40 AM - 8:50 AM Stromal Regulation of Prostate Cancer Development
Hubert Pakula, PhD
Weill Cornell Medicine

8:50 AM – 9:10 AM Discussion
First Question: Jelani Zarif, PhD
8:00 AM – 1:00 PM  

**Session IV: Checkpoint Synergizers**

**Session Chair:**  Benjamin Larman, PhD  
Johns Hopkins University

9:10 AM – 9:20 AM  **Chromatin Accessibility in Neuroendocrine Cancers**  
Myles Brown, MD  
Harvard: Dana-Farber Cancer Institute

9:20 AM – 9:40 AM  Discussion  
First Question: Michael Freeman, PhD

9:40 AM – 9:50 AM  **Adaptive Immune Resistance to Androgen-Deprivation Therapy**  
Charles Drake, MD, PhD  
Columbia University Medical Center

9:50 AM – 10:10 AM  Discussion  
First Question: Joshi Alumkal, MD

10:10 AM – 10:30 AM  **Break**

10:30 AM – 10:40 AM  **Targeting EZH2 Enhances Response to PD-1 Blockade in Prostate Cancer**  
Leigh Ellis, PhD  
Harvard: Dana-Farber Cancer Institute

10:40 AM – 11:00 AM  Discussion  
First Question: Tanya Dorff, MD

11:00 AM – 11:10 AM  **Multiple Suppressive Pathways May Underscore Resistance to PD-1 Therapy in mCRPC**  
Amy Moran, PhD  
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  
**Improving Immune Checkpoint Inhibitor Therapy in Cancer**  
Dan Theodorescu, MD, PhD  
Cedars-Sinai Medical Center

11:40 AM – 12:00 PM  
Discussion  
First Question: Nicholas Nickols, MD, PhD

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

1:00 PM – 1:15 PM  
Move to Session V  
Centennial A&B

1:15 PM – 1:25 PM  
**Hypoxia Drives Tumor Immune Suppression and Immunotherapy Resistance**  
Michael Curran, PhD  
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  
**PD-1 Blockade with T-cell Activation – An Opportunity to Treat “Cold” Prostate Cancer**  
Douglas McNeel, MD, PhD  
University of Wisconsin

1:55 PM – 2:15 PM  
Discussion  
First Question: Lorelei Mucci, ScD

2:15 PM – 2:30 PM  
Break

**Session V: Scanning the Horizon: Novel Agents for Precision Targeted Therapies**

**Session Chair:** Salma Kaochar, PhD  
Baylor College of Medicine

2:30 PM – 2:40 PM  
**AR Switch in Treatment-Induced NEPC**  
Amina Zoubeidi, PhD  
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  Decoding the Cancer Genome One Codon at a Time and Its Therapeutic Implications  
Davide Ruggero, PhD  
University of California, San Francisco

3:10 PM – 3:30 PM  Discussion  
First Question: David Ulmert, MD, PhD

3:30 PM – 3:40 PM  Trop2 is a Driver and Therapeutic Target for Metastatic Castration Resistant Prostate Cancer with Neuroendocrine Phenotype  
Tanya Stoyanova, PhD  
Stanford University

3:40 PM – 4:00 PM  Discussion  
First Question: Hala Borno, MD

4:00 PM – 4:10 PM  Lessons Learned from Bipolar Androgen Therapy: Should We Rethink the Hormone Treatment Paradigm for Advanced Prostate Cancer?  
Samuel Denmeade, MD  
Johns Hopkins University

4:10 PM – 4:30 PM  Discussion  
First Question: Paul Boutros, PhD

4:30 PM – 5:00 PM  Break

5:00 PM – 6:15 PM  Dinner  
Centennial Terrace

6:15 PM – 6:30 PM  Move to Session VI  
Centennial A&B

**Session VI: Work Life Balance Session**

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

6:30 AM - 7:00 AM  **Breakfast**  

7:00 AM - 7:10 AM  **Move to Session VII**

**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**
**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  
**Group Pictures**

12:15 PM – 1:15 PM  
**Lunch**  
_Lunch_ available immediately following training session

**FREE AFTERNOON**

1:15 PM – 2:15 PM  
**Personal Training Session**  
*(RSVP required, limited availability)*

5:00 PM – 5:45 PM  
**Dinner**  
_Centennial Terrace_

5:45 PM – 5:55 PM  
**Move to Session IX**  
_Centennial A&B_

_Session IX: The Next Generation of Functional Screening Methods_

**Session Chair:**  
_David Quigley, PhD_  
University of California, San Francisco

5:55 PM – 6:15 PM  
**Multiplexed Functional Assays for Understanding Genetic Variation**  
**Lea Starita, PhD**  
University of Washington

6:15 PM – 6:35 PM  
**Discussion**  
First Question: Simpa Salami, MD

6:35 PM – 6:45 PM  
**Functionally Mapping Genetic Interactions Driving Metastatic Prostate Cancer**  
**Luke Gilbert, PhD**  
University of California, San Francisco

6:45 PM – 7:05 PM  
**Discussion**  
First Question: Isla Garraway, MD, PhD

7:05 PM – 7:15 PM  
**Functionally Characterizing Variants of Unknown Significance Using Base Editing**  
**Alexis Komor, PhD**  
University of California, San Diego

7:15 PM – 7:35 PM  
**Discussion**  
First Question: Leland Chung, PhD
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  **Breakfast**  
*Plateia A*

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

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**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
What Precision Medicine Tests Should be Guiding the Treatment of Men with Metastatic Prostate Cancer?
Andrew Armstrong, MD
Duke University

Discussion
First Question: Robert Den, MD

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

Departures - Boxed Lunches Provided