

*2014 Coffey - Holden
Prostate Cancer Academy Meeting*

**Beyond immune checkpoint blockade:
New Approaches to targeting Host – Tumor
Interactions in Prostate Cancer**

*June 26-29, 2014
Estancia Hotel
La Jolla, CA*

Program Organizing Committee:

Haydn Kissick, PhD, Chair (Emory University)

Christopher Barbieri, MD, PhD (Weill Cornell Medical College)

Jennifer Bishop, PhD (Vancouver Prostate Centre)

Rohit Mehra, MD (University of Michigan)

David Takeda, MD, PhD (Harvard: Dana-Farber Cancer Institute)

Thursday, June 26, 2014**Estancia Hotel**
9700 N. Torrey Pines Road
La Jolla, CA 92037**THURSDAY, JUNE 26, 2014**

3:00 PM - 7:00 PM	Arrival/Check-In & Registration <i>Registration Desk</i>	<i>Pacifica Pre Function A</i>
5:00 PM - 6:00 PM	Reception	<i>Olive Lawn</i>
6:00 PM - 7:15 PM	Dinner	<i>Grande Room</i>
7:15 PM - 7:30 PM	Move to Session I	

Session I: IntroductionLocation: *Pacifica Ballroom*

7:30 PM - 7:35 PM	Welcome and Opening Remarks Stuart Holden, MD Prostate Cancer Foundation; University of California, Los Angeles	
7:35 PM - 8:35 PM	Back to the Future Donald Coffey, PhD Johns Hopkins University	

FRIDAY, JUNE 27, 2014

6:45 AM - 7:45 AM **Breakfast** *Hacienda Lawn*

7:45 AM - 8:00 AM **Move to Session II**

Session II: Charge to Participants: The Big Questions

Location: *Pacifica Ballroom*

8:00 AM – 9:00 AM **The Big Questions**
Kenneth Pienta, MD
Johns Hopkins University

Session III: Why Didn't Checkpoint Blockade Work Better, and How Can We Trigger an Effective Immune Response Against Prostate Cancer?

Location: *Pacifica Ballroom*

Session Chair: **Haydn Kissick, PhD**
Emory University

9:00 AM - 9:10 AM **Introduction to Session**
Haydn Kissick, PhD
Emory University

9:10 AM - 9:20 AM **Deciphering Adaptive Immunity in Prostate Cancer Patients**
Lawrence Fong, MD
University of California, San Francisco

9:20 AM - 9:40 AM Discussion
First Question: Nathaniel Brennen, PhD

9:40 AM - 9:50 AM **Combining Epigenetic Priming with Immune Checkpoint Blockade for Advanced Prostate Cancer**
Charles Drake, MD, PhD

9:50 AM – 10:10 AM The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Discussion
First Question: Todd Morgan, MD

Friday, June 27, 2014

10:10 AM - 10:20 AM	Therapeutic Vaccines in Prostate Cancer: Lessons to Shape the Future James Gulley, MD, PhD National Cancer Institute
10:20 AM - 10:40 AM	Discussion First Question: Ashley Ross, MD, PhD
10:40 AM – 10:50 AM	Break
10:50 AM - 11:00 AM	Not Just a Pharmacological Target: Preclinical Studies and Clinical Development of a DNA Vaccine Targeting the Androgen Receptor Brian Olson, PhD University of Wisconsin Carbone Cancer Center
11:00 AM - 11:20 AM	Discussion First Question: Charles Chan, PhD
11:20 AM - 11:30 AM	Immunotherapy for Prostate Cancer Combining Targeted Inhibition of STAT3-Mediated Immunosuppression with CAR-Engineered T cells Saul Priceman, PhD City of Hope Comprehensive Cancer Center
11:30 AM - 11:50 AM	Discussion First Question: Tanya Stoyanova, PhD
11:50 AM -12:00 PM	Boosting Anti-Tumor Immunity Through Combination Immunotherapy William Redmond, PhD Earle A. Chiles Research Institute
12:00 PM - 12:20 PM	Discussion First Question: Amina Zoubeydi, PhD
12:20 PM -12:30 PM	Chronic Inflammation in Benign Prostate Tissue is Associated with High-Grade Prostate Cancer in the Placebo Arm of the Prostate Cancer Prevention Trial Angelo De Marzo, MD, PhD Johns Hopkins University School of Medicine
12:30 PM - 12:50 PM	Discussion First Question: Kosj Yamoah, MD, PhD

Friday, June 27, 2014

12:50 PM - 1:50 PM

Lunch*Olive Lawn*

1:50 PM - 2:00 PM

Move to Session IV**Session IV: The Tumor Microenvironment: Implications for Therapy Resistance and Tumor Metastasis**Location: *Pacifica Ballroom***Session Chair:****David Takeda, MD, PhD**

Harvard: Dana-Farber Cancer Institute

2:00 PM - 2:10PM

Introduction to Session**David Takeda, MD, PhD**

Harvard: Dana-Farber Cancer Institute

2:10 PM - 2:20 PM

The Highs and Lows of T Cell Avidity: Tumor Immunity Meets Immune Suppression**Arthur Hurwitz, PhD**

National Cancer Institute

2:20 PM - 2:40 PM

Discussion

First Question: Li Wang, PhD

2:40 PM - 2:50 PM

Controlling Foxp3⁺ Tregs to Enhance Immune Memory Triggered by mTOR Inhibition**Hyung Kim, MD**

Cedars-Sinai Medical Center

2:50 PM - 3:10 PM

Discussion

First Question: Christopher Barbieri, MD, PhD

3:10 PM - 3:20 PM

Discovery of Cancer Immunotherapy Targets Using *In Vivo* RNAi Screening**Penghui Zhou, PhD**

Harvard: Dana Farber Cancer Institute

3:20 PM - 3:40 PM

Discussion

First Question: Tatiana Byzova, PhD

3:40 PM - 3:50 PM

Break

Friday, June 27, 2014

- 3:50 PM - 4:00 PM **Mesenchymal Stem Cells (MSC): Role in Prostate Carcinogenesis?**
Nathaniel Brennen, PhD
Johns Hopkins University
- 4:00 PM - 4:20 PM Discussion
First Question: Andrew Goldstein, PhD
- 4:20 PM - 4:30 PM **Regulators of Reactive Stroma: Therapeutic Resistance Implications**
David Rowley, PhD
Baylor College of Medicine
- 4:30 PM - 4:50 PM Discussion
First Question: Michael Haffner, MD
- 4:50 PM - 5:00 PM **Normal and Metastatic Bone Marrow Niches**
Charles Chan, PhD
Stanford University
- 5:00 PM - 5:20 PM Discussion
First Question: Everardo Macias, PhD
- 5:20 PM - 5:30 PM **Hijacking the Microenvironment and Other Dirty Tricks that
Metastatic Cancers Play**
Sandra McAllister, PhD
Harvard: Brigham & Women's Hospital; Harvard Medical School
- 5:30 PM - 5:50 PM Discussion
First Question: Felix Feng, MD
- 6:30 PM - 7:45 PM **Dinner** *Adobe*
- 7:45 PM - 8:00 PM **Move to Session V**
- Session V: Plenary Session: Mouse Models**
Location: *Pacifica Ballroom*
- Session Chair:** **Kenneth Pienta, MD**
Johns Hopkins University
- 8:00 PM - 8:25 PM **An Inducible Mouse Model of Cytokine-Mediated Prostate
Inflammation**
Charles Bieberich, PhD
University of Maryland
- 8:25 PM - 8:45 PM Discussion
First Question: Scott Tomlins, MD, PhD

Friday, June 27, 2014

8:45 PM - 9:10 PM **Of Mice and Men; Perspectives on Prostate Cancer**
Donald Coffey, PhD
Johns Hopkins University

9:10 PM - 9:30 PM Discussion
First Question: Haydn Kissick, PhD

SATURDAY, JUNE 28, 2014

7:15 AM - 8:15 AM **Breakfast** *Hacienda Lawn*

8:15 AM - 8:30 AM **Move to Session VI**

Session VI: How do Host-Tumor Interactions Interplay with Current Therapies and Tumor Phenotypes?

Location: *Pacifica Ballroom*

Session Chair: **Christopher Barbieri, MD, PhD**
Weill Cornell Medical College

8:30 AM - 8:40 AM **Introduction to Session**
Christopher Barbieri, MD, PhD
Weill Cornell Medical College

8:40 AM - 8:50 AM **The Abscopal Effect - Fact or Fiction?**
Ralph Weichselbaum, MD
University of Chicago

8:50 AM - 9:10 AM Discussion
First Question: Lauren Harshman, MD

9:10 AM - 9:20 AM **Radiation-Induced Immune Modulation as Prostate Cancer Therapy**
Susan Slovin, MD, PhD
Memorial Sloan-Kettering Cancer Center

9:20 AM - 9:40 AM Discussion
First Question: Sumit Subudhi, MD, PhD

Saturday, June 28, 2014

9:40 AM - 9:50 AM	Alpha-Radiation: What is the Target, and How Do We Leverage It? Michael Morris, MD Memorial Sloan-Kettering Cancer Center	
9:50 AM - 10:10 AM	Discussion First Question: David Mulholland, PhD	
10:10 AM - 10:20 AM	Clinical Applications of Anti-PSMA Monoclonal Antibody Therapy Scott Tagawa, MD Weill Cornell Medical College	
10:20 AM - 10:40 AM	Discussion First Question: Brian Olson, PhD	
10:40 AM - 10:50 AM	Break	
10:50 AM - 11:00 AM	Combining ADT and Immunotherapy: Rationale and Clinical Trial Design Considerations Karen Autio, MD, MSc Memorial Sloan-Kettering Cancer Center	
11:00 AM - 11:20 AM	Discussion First Question: Jennifer Bishop, PhD	
11:20 AM - 11:30 AM	Targeting the Host-Tumor Metabolic Interface in Prostate Cancer: Where is the Sweet Spot? Akash Patnaik, MD, PhD, MMSc Harvard: Beth Israel Deaconess Medical Center; Harvard Medical School	
11:30 AM - 11:50 AM	Discussion First Question: Andrew Hsieh, MD	
11:50 AM - 12:00 PM	Update on Prostavac Clinical Development Philip Kantoff, MD Harvard: Dana-Farber Cancer Institute	
12:00 PM - 12:20 AM	Discussion First Question: David Ulmert, MD, PhD	
12:30 PM - 1:30 PM	Lunch	<i>Olive Lawn</i>
1:30 PM - 6:00 PM	Afternoon Free	
6:00 PM - 7:15 PM	Dinner	<i>Adobe</i>
7:15 PM - 7:30 PM	Move to Session VII	

Saturday, June 28, 2014

Session VII: Applying Principles of Precision Medicine to Prostate Cancer Immunotherapy

Location: *Pacifica Ballroom*

Session Chair: **Jennifer Bishop, PhD**
Vancouver Prostate Centre

7:30 PM - 7:40 PM **Prostate Epithelial Heterogeneity and Immune Cell Interactions**
Andrew Goldstein, PhD

University of California, Los Angeles

7:40 PM - 8:00 PM

Discussion

First Question: Lorelei Mucci, ScD

8:00 PM - 8:10 PM

Immune Checkpoint Blockade in Prostate Cancer Therapy

Sumit Subudhi, MD, PhD

University of Texas MD Anderson Cancer Center

8:10 PM - 8:30 PM

Discussion

First Question: Matthew Galsky, MD

8:30 PM - 8:40 PM

Dissecting Intratumor Heterogeneity with CyTOF Mass Cytometry

Erin Simonds, PhD

University of California, San Francisco

8:40 PM - 9:00 PM

Discussion

First Question: David Takeda, MD, PhD

9:00 PM - 10:00 PM

**Roundtable Discussion: *Prospects and Challenges in
Personalizing Immunotherapy for Prostate Cancer Patients***

Moderator:

Jennifer Bishop, PhD

Vancouver Prostate Centre

Participants:

Carlo Bifulco, MD

Providence Portland Medical Center

Martin Sanda, MD

Emory University

Martin Pomper, MD, PhD

Johns Hopkins University

Doug McNeel, MD, PhD

University of Wisconsin

First Question: Alexander Wyatt, DPhil

Second Question: Karen Sfanos, PhD

SUNDAY, JUNE 29, 2014**Hotel checkout before 12 noon*

6:15 AM - 7:15 AM **Breakfast** *Hacienda Lawn*

7:15 AM - 7:30 AM **Move to Session VIII**

Session VIII: Emerging Host-Tumor Interactions to Consider

Location: *Pacifica Ballroom*

Session Chair: Rohit Mehra, MD
University of Michigan

7:30 AM - 7:40 AM **Introduction to Session**
Karen Sfanos, PhD
Johns Hopkins University School of Medicine

7:40 AM - 7:50 AM **Obesity, White Adipose Inflammation, and Prostate Cancer**
Andrew Dannenberg, MD
Weill Cornell Medical College

7:50 AM - 8:10 AM Discussion
First Question: Scott Tagawa, MD, MS

8:10 AM - 8:20 AM **Tumor Drivers of the Link Between Obesity and Lethal Prostate Cancer**
Lorelei Mucci, ScD, MPH
Harvard School of Public Health

8:20 AM - 8:40 AM Discussion
First Question: William Redmond, PhD

8:40 AM - 8:50 AM **Towards Identification of Prostate Cancer Resistance Mechanisms to Dietary Interventions**
Everardo Macias, PhD
Duke University

8:50 AM - 9:10 AM Discussion
First Question: Joshua Lang, MD

Sunday, June 29, 2014

- 9:10 AM - 9:20 AM **Cancer and the Microbiome: An Overview**
Andrea Miyahira, PhD
Prostate Cancer Foundation
- 9:20 AM - 9:30 AM **Emerging Roles of the Microbiome in Prostate Carcinogenesis**
Karen Sfanos, PhD
Johns Hopkins University School of Medicine
- 9:30 AM - 9:50 AM Discussion
First Question: Akash Patnaik, MD, PhD
- 9:50 AM - 10:00 AM **Break**
- 10:00 AM - 10:10 AM **Role of Platelets in Prostate Cancer Progression**
Tatiana Byzova, PhD
Cleveland Clinic
- 10:10 AM - 10:30 AM Discussion
First Question: Nicholas Mitsiades, MD, PhD
- 10:30 AM - 10:40 AM **Constructing a Robust Blood-Based Prognostic Gene Model for Prostate Cancer**
Li Wang, PhD
Icahn School of Medicine at Mount Sinai
- 10:40 AM - 11:00 AM Discussion
First Question: Christopher Maher, PhD
- 11:00 AM - 11:15 AM **Meeting Debrief**
Kenneth Pienta, MD **Howard Soule, PhD**
Johns Hopkins University Prostate Cancer Foundation
- 11:15 AM **Meeting Adjourned**
** A boxed lunch will be provided **