

***2016 Coffey - Holden
Prostate Cancer Academy Meeting***

**Beyond Seed and Soil:
Understanding and Targeting Metastatic Prostate Cancer**

***June 23-26, 2016
Loews Coronado Bay Resort
Coronado, CA***

Program Organizing Committee:

Sameek Roychowdhury, MD, PhD, Chair (The Ohio State University)
Sangeeta Goswami, MD, PhD (The University of Texas MD Anderson Cancer Center)
Joseph Ippolito, MD, PhD (Washington University School of Medicine)
Saul Priceman, PhD (City of Hope)
Colin Pritchard, MD, PhD (University of Washington)
Karen Sfanos, PhD (Johns Hopkins University)
Sumit Subudhi, MD, PhD (The University of Texas MD Anderson Cancer Center)

Loews Coronado Bay Resort
4000 Coronado Bay Road
Coronado, CA 92118

Thursday, June 23, 2016

THURSDAY, JUNE 23, 2016

3:00 PM - 5:00 PM	Registration	<i>Constellation Foyer</i>
5:00 PM - 6:00 PM	Welcome Reception	<i>Marina Terrace</i>
6:00 PM - 7:15 PM	Welcome Dinner	<i>Marina Terrace</i>
7:15 PM - 7:30 PM	Move to Session I	<i>Constellation Ballroom</i>

Session I: Introduction

7:30 PM - 7:40 PM	Welcome and Opening Remarks Stuart Holden, MD Prostate Cancer Foundation; University of California, Los Angeles
7:40 PM - 8:40 PM	Immune Checkpoint Blockade in Cancer Therapy James Allison, PhD The University of Texas MD Anderson Cancer Center

Friday, June 24, 2016

FRIDAY, JUNE 24, 2016

6:30 AM	Registration	<i>Constellation Foyer</i>
6:45 AM - 7:45 AM	Breakfast	<i>Mistral</i>
7:45 AM - 8:00 AM	Move to Session II	<i>Constellation Ballroom</i>

Session II: Charge to Participants: The Big Questions

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

Session III: Turning to the Host for Answers: Impact of the Microenvironment

Session Chair:	Sangeeta Goswani, MD, PhD The University of Texas MD Anderson Cancer Center
-----------------------	---

Distinguished Lecture:
8:30 AM - 8:50 AM
Of Platelets, Their Function, and Their Role in Prostate Cancer
Edward Plow, PhD
Cleveland Clinic

Discussion
8:50 AM - 9:10 AM
First Question: Akash Patnaik, MD, PhD

9:10 AM - 9:20 AM	Diversity of the CD8 T-Cell Response in Human Cancer Haydn Kissick, PhD Emory University School of Medicine
9:20 AM - 9:40 AM	Discussion First Question: Stephen Plymate, MD

Friday, June 24, 2016

Distinguished Lecture:

9:40 AM – 10:00 AM

Osteoclast Function in the Metastatic Bone Niche

G. David Roodman, MD, PhD

Indiana University School of Medicine

Discussion

10:00 AM – 10:20 AM

First Question: Andrew Hsieh, MD

10:20 AM - 10:30 AM

Tumor Stroma in Cancer Progression and Metastasis

Raghu Kalluri, MD, PhD

The University of Texas MD Anderson Cancer Center

10:30 AM -10:50 AM

Discussion

First Question: Himisha Beltran, MD

10:50 AM - 11:00 AM

Investigation of Cancer Progression and Metastasis at the Single-Cell Level

Devon Lawson, PhD

University of California, Irvine

11:00 AM - 11:20 AM

Discussion

First Question: John Lee, MD

Distinguished Lecture:

11:20 AM - 11:40 AM

Molecular and Metabolic Control of Osteoblast Differentiation and Functions

Gerard Karsenty, MD, PhD

Columbia University Medical Center

Discussion

11:40 AM - 12:00 PM

First Question: Ana Aparicio, MD

Friday, June 24, 2016

12:00 PM – 1:00 PM
Lowering Cost While Improving Care
Steven A. Burd
Founder & CEO, Burd Health LLC
PCF Board Member

1:00 PM – 1:50 PM	Lunch	<i>Mistral</i>
1:50 PM - 2:00 PM	Move to Session IV	<i>Constellation Ballroom</i>

Session IV: Immuno-Oncology and the Tumor Microenvironment

Session Chair:	Saul Priceman, PhD City of Hope
2:00 PM - 2:10 PM	Prostate Cancer Vaccines Based on Attenuated Listeria Monocytogenes Charles Drake, MD, PhD John Hopkins University
2:10 PM – 2:30 PM	Discussion First Question: Michael Haffner, MD, PhD
2:30 PM - 2:40 PM	Epigenetic Changes in T cells in Response to Checkpoint Blockade Sangeeta Goswami, MD, PhD The University of Texas MD Anderson Cancer Center
2:40 PM - 3:00 PM	Discussion First Question: Christina Jamieson, PhD
3:00 PM - 3:10 PM	Myeloids Cells in Cancer Therapy Brian Ruffell, PhD H. Lee Moffitt Cancer Center & Research Institute
3:10 PM - 3:30 PM	Discussion First Question: Andrew Armstrong, MD
3:30 PM - 3:40 PM	From the Clinic to the Lab: What Does the Immunologic Landscape Look Like in Patients With Prostate Cancer? Padmanee Sharma, MD, PhD The University of Texas MD Anderson Cancer Center
3:40 PM - 4:00 PM	Discussion First Question: Nima Sharifi, MD

Friday, June 24, 2016

Distinguished Lecture:

4:00 PM - 4:20 PM

Molecular Mechanisms of Tumor and Bone Interactions

Katherine Weilbaecher, MD

Washington University School of Medicine

Discussion

4:20 PM – 4:40 PM

First Question: Ashley Ross, MD, PhD

Session V: Exceptional Non-Responders and the New Landscape of Metastatic Prostate Cancer

Session Chair:

Sameek Roychowdhury, MD, PhD

The Ohio State University

4:40 PM - 4:50 PM

The NCI's Exceptional Responder Program

William Dahut, MD

National Cancer Institute

4:50 PM – 5:10 PM

Discussion

First Question: Sean McGuire, MD, PhD

5:10 PM - 5:20 PM

Exceptional Non-Responders: Turning the Tide

Won Kim, MD

University of California, San Francisco

5:20 PM - 5:40 PM

Discussion

First Question: William Nelson, MD, PhD

5:40 PM – 5:50 PM

Actionable Alterations in Advanced Prostate Cancer: Towards an Umbrella Trial for mCRPC

Felix Feng, MD

University of California, San Francisco

5:50 PM - 6:10 PM

Discussion

First Question: Steven Cho, MD

6:10 PM – 7:10 PM

Dinner

Marina Terrace

7:10 PM – 7:20 PM

Move to Session VI

Constellation Ballroom

Friday, June 24, 2016

Session VI: Does the Microbiome Play a Role in Prostate Cancer? Insights from Current Microbiome Research

Session Chair:	Karen Sfanos, PhD Johns Hopkins University
7:20 PM - 7:30 PM	The Sterile Bladder: A Dogma Debunked Alan Wolfe, PhD Loyola University Chicago
7:30 PM - 7:50 PM	Discussion First Question: Christopher Barbieri, MD, PhD
7:50 PM – 8:00 PM	Microbiota and Prostate Disease Karen Sfanos, PhD Johns Hopkins University
8:00 PM - 8:20 PM	Discussion First Question: Wassim Abida, MD, PhD
8:20 PM - 8:30 PM	Gut Microbiota Modulate Prostate Cancer Susan Erdman, DVM, MPH Massachusetts Institute of Technology
8:30 PM - 8:50 PM	Discussion First Question: Adam Dicker, MD, PhD
8:50 PM – 9:00 PM	Microbiota and Cancer Therapy Romina Goldszmid, PhD National Cancer Institute
9:00 PM - 9:20 PM	Discussion First Question: William Redmond, PhD

Saturday, June 25, 2016

SATURDAY, JUNE 25, 2016

6:45 AM - 7:45 AM

Breakfast*Mistral*

7:45 AM - 8:00 AM

Move to Session VII*Constellation Ballroom***Session VII: DNA Repair Deficiency in Advanced Prostate Cancer****Session Chair:****Colin Pritchard, MD, PhD**
University of Washington**Distinguished Lecture:****8:00 AM – 8:20 AM****DNA Repair Deficiency and Radiosensitivity in Prostate Cancer****Robert Bristow, MD, PhD**

Princess Margaret Cancer Centre, Canada

Discussion**8:20 AM - 8:40 AM**

First Question: Todd Morgan, MD

8:40 AM - 8:50 AM

PARP Inhibition in DNA Repair Deficient Advanced Prostate Cancer**Joaquin Mateo, MD**

Institute of Cancer Research, UK

8:50 AM - 9:10 AM

Discussion

First Question: John Isaacs, PhD

9:10 AM - 9:20 AM

Germline DNA Repair Gene Mutations in Metastatic Prostate Cancer**Heather Cheng, MD, PhD**

University of Washington

9:20 AM - 9:40 AM

Discussion

First Question: Mark Rubin, MD

Saturday, June 25, 2016

Distinguished Lecture:

9:40 AM – 10:00 AM

Unmet Needs In Breast Cancer: Implications For Other Diseases

Clifford Hudis, MD

Memorial Sloan Kettering Cancer Center

Discussion

10:00 AM – 10:20 AM

First Question: Andrew Goldstein, PhD

10:20 AM – 11:50 AM

Session VIII:

Big Ideas Part 1: Developing Time Magazine Cover Concepts

Moderator:

Sameek Roychowdhury, MD, PhD

The Ohio State University

11:50 AM	Group Pictures	
12:00 PM – 1:30 PM	Lunch	<i>Mistral</i>
	<i>Free Afternoon</i>	
1:15 PM – 2:15 PM	Personal Training Session <i>(RSVP required, limited availability)</i> <i>Lunch available immediately following training session</i>	
5:45 PM – 6:45 PM	Dinner	<i>Marina Terrace</i>
6:45 PM – 7:00 PM	Move to Lecture Session	<i>Constellation Ballroom</i>

Saturday, June 25, 2016

Distinguished Lecture:

7:00 PM – 7:20 PM

Molecular Pathology of Metastatic Prostate Cancer: A Changing Landscape?

Angelo De Marzo, MD, PhD

Johns Hopkins University

Discussion

7:20 PM – 7:40 PM

First Question: Won Kim, MD

Session IX: Novel Biomarkers and Applications

Session Chair:

Sameek Roychowdhury, MD, PhD

The Ohio State University

7:40 PM - 7:50 PM

**Orthogonal Endpoints in CTC Biomarkers: Prediction,
Pharmacodynamics, Discovery**

Joshua Lang, MD

University of Wisconsin Carbone Cancer Center

7:50 PM - 8:10 PM

Discussion

First Question: Martin Pomper, MD, PhD

8:10 PM - 8:20 PM

Novel Clinical Grade RNAseq Applications for Patient Care

Sameek Roychowdhury, MD, PhD

The Ohio State University

8:20 PM - 8:40 PM

Discussion

First Question: Martin Gleave, MD

8:40 PM - 8:50 PM

**Deep Sequencing of Circulating Tumor DNA for Personalized Cancer
Detection and Monitoring**

Maximillian Diehn, MD, PhD

Stanford University

8:50 PM - 9:10 PM

Discussion

First Question: Lu Yang, MD

Sunday, June 26, 2016

SUNDAY, JUNE 26, 2016

6:00 AM - 6:45 AM	Breakfast	<i>Mistral</i>
6:45 AM - 7:00 AM	Move to Session X	<i>Constellation Ballroom</i>

Distinguished Lecture:
7:00 AM – 7:20 AM

**Molecular Heterogeneity of Primary and Metastatic Prostate Cancer: Implications
for Treatment Selection**

Peter Nelson, MD

Fred Hutchinson Cancer Research Center

Discussion

7:20 AM – 7:40 AM

First Question: John Kellogg-Parsons, MD

Session X: Imaging the Tumor Microenvironment From Micro to Macro

Session Chair:	Joseph Ippolito, MD, PhD Washington University School of Medicine
7:40 AM - 7:50 AM	Single Domain Antibody Fragments as an Imaging and Delivery Platform Hide Ploegh, PhD Whitehead Institute for Biomedical Research
7:50 AM - 8:10 AM	Discussion First Question: Robert Den, MD
8:10 AM - 8:20 AM	Molecular Profiling of Glycosylation in the Tumor Microenvironment in FFPE Prostate Cancer Tissues by MALDI Mass Spectrometry Imaging Richard Drake, PhD Medical University of South Carolina
8:20 AM - 8:40 AM	Discussion First Question: Joshi Alumkal, MD

Sunday, June 26, 2016

8:40 AM - 8:50 AM	Targeted and Functional Imaging of Prostate Cancer: Localized to Metastatic Disease Baris Turkbey, MD National Cancer Institute
8:50 AM - 9:10 AM	Discussion First Question: Rohit Bose, MD, PhD
9:10 AM - 9:20 AM	Hyperpolarized MR – Potential for Measuring Metabolism and Microenvironment in Metastatic Prostate Cancer John Kurhanewicz, PhD University of California, San Francisco
9:20 AM - 9:40 AM	Discussion First Question: Howard Scher, MD

9:40 AM - 10:40 AM

***Session XI:
Big Ideas Part 2: Presenting Challenge Posters***

Moderator:
Sameek Roychowdhury, MD, PhD
The Ohio State University

Session XII: Closing Remarks

10:40 AM - 11:00 AM	Meeting Debrief Kenneth Pienta, MD Johns Hopkins University
	Howard Soule, PhD Prostate Cancer Foundation

Departures - *Boxed Lunches Provided*