2017 Coffey-Holden Prostate Cancer Academy Meeting

Beyond the Androgen Receptor II: New Approaches to Understanding and Treating Metastatic Prostate Cancer

June 14 - 17, 2017
Omni La Costa Resort
Carlsbad, CA

Program Organizing Committee:
Heather Cheng, MD, PhD, Chair (University of Washington)
Wassim Abida, MD, PhD (Memorial Sloan Kettering Cancer Center)
Leigh Ellis, PhD (Dana Farber Cancer Institute)
Lauren Harshman, MD (Harvard: Dana-Farber Cancer Institute)
Christopher Kloss, PhD (University of Pennsylvania)
Daniel Spratt, MD (University of Michigan)
Howard Soule, PhD (Prostate Cancer Foundation)
Kenneth Pienta, MD (Johns Hopkins University)
Andrea Miyahira, PhD (Prostate Cancer Foundation)
### WEDNESDAY, JUNE 14, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00 PM - 5:00 PM</td>
<td>Registration</td>
<td>Veranda Foyer</td>
</tr>
<tr>
<td>5:00 PM - 6:00 PM</td>
<td>Welcome Reception</td>
<td>Legends Lawn</td>
</tr>
<tr>
<td>6:00 PM - 7:15 PM</td>
<td>Welcome Dinner</td>
<td>Parlor</td>
</tr>
<tr>
<td>7:15 PM - 7:30 PM</td>
<td>Move to Session I</td>
<td>Veranda</td>
</tr>
</tbody>
</table>

**Session I: Introduction**

**Location:** Veranda

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 PM - 7:40 PM</td>
<td>Welcome and Opening Remarks</td>
<td>Howard Soule, PhD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Prostate Cancer Foundation</td>
</tr>
</tbody>
</table>

**Distinguished Lecture:**

7:40 PM - 8:10 PM

“Learning from the Astronomers—How Astronomy Can Inform Cancer Immunotherapy Investigation”

**Alex Szalay, PhD**

Johns Hopkins School of Medicine

**Discussion**

8:10 PM - 8:30 PM

First Question: Robert Den, MD

8:30 PM - 9:15 PM

**AFFINITY GROUPS I**
THURSDAY, JUNE 15, 2017

6:15 AM  Registration  Veranda Foyer
6:15 AM - 7:15 AM  Breakfast  Legends Lawn
7:15 AM - 7:30 AM  Move to Session II  Veranda

**Session II: Charge to Participants: The Big Questions**

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

**Session III: Histologic Transformation: When AR disappears**

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

8:00 AM - 8:10 AM  Towards Defining Molecular Subclasses of Treatment Resistant Prostate Cancer  
*Himisha Beltran, MD*  
Weill Cornell Medicine

8:10 AM - 8:30 AM  Discussion  
First Question: Colin Pritchard, MD, PhD

8:30 AM - 8:40 AM  Targeting the ‘Identity Fraud’ In Prostate Cancer  
*Ping Mu, PhD*  
Memorial Sloan Kettering Cancer Center

8:40 AM - 9:00 AM  Discussion  
First Question: Tamara Lotan, MD

9:00 AM - 9:10 AM  Therapeutic Vulnerabilities Arising From Neuroendocrine Transdifferentiation of Prostate Cancer  
*John K. Lee, MD, PhD*  
University of California, Los Angeles

9:10 AM - 9:30 AM  Discussion  
First Question: William Nelson, MD, PhD

9:30 AM - 9:45 AM  Break
Thursday, June 15, 2017

9:45 AM - 9:55 AM  Patient-derived tumor organoids of neuroendocrine prostate cancer to explore novel therapeutic strategies
Loredana Puca, PhD
Weill Cornell Medicine

9:55 AM - 10:15 AM  Discussion
First Question: Daniel Spratt, MD

10:15 AM - 10:25 AM  The Role of N-Myc in Driving Lineage Plasticity
David Rickman, PhD
Weill Cornell Medicine

10:25 AM - 10:45 AM  Discussion
First Question: Rana McKay, MD

Session IVa: Epigenetic Regulation and Targeting
Session Chair: Wassim Abida, MD, PhD
Memorial Sloan Kettering Cancer Center

Distinguished Lecture:

10:45 AM - 11:05 AM  Context-Dependent Glucocorticoid Receptor Activity in Prostate (and Breast) Cancer
Suzanne Conzen, MD
University of Chicago

Discussion
11:05 AM - 11:25 AM  First Question: Joshua Lang, MD

11:30 AM - 12:45 PM  Lunch  Legends Lawn

12:45 PM - 1:00 PM  Move to Session IVb
Thursday, June 15, 2017

**Session IVb: Epigenetic Regulation and Targeting**

**Session Chair:** Wassim Abida, MD, PhD  
Memorial Sloan Kettering Cancer Center

1:00 PM - 1:10 PM  
**Tumor glucocorticoid metabolism enables enzalutamide-resistant prostate cancer**  
Nima Sharifi, MD  
The Cleveland Clinic

1:10 PM - 1:30 PM  
Discussion  
First Question: Christina Jamieson, PhD

1:30 PM - 1:40 PM  
**Charting the epigenetic landscape of the androgen receptor**  
Mark Pomerantz, MD  
Harvard: Dana-Farber Cancer Institute

1:40 PM - 2:00 PM  
Discussion  
First Question: Ravi Madan, MD

2:00 PM - 2:10 PM  
**Epigenetic regulation of the glucocorticoid receptor drives drug resistance in prostate cancer**  
Neel Shah  
Memorial Sloan Kettering Cancer Center

2:10 PM - 2:30 PM  
Discussion  
First Question: Joshi Alumkal, MD

2:30 PM - 2:45 PM  
**Break**

**Session V: DNA Repair**

**Session Chair:** Heather Cheng, MD, PhD  
University of Washington

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:45 PM</td>
<td><strong>Distinguished Lecture:</strong> Biomarkers of DNA Repair Deficiency</td>
<td>Elizabeth Swisher, MD</td>
<td>University of Washington</td>
</tr>
<tr>
<td>2:45 PM</td>
<td><strong>Distinguished Lecture:</strong> Biomarkers of DNA Repair Deficiency</td>
<td>Elizabeth Swisher, MD</td>
<td>University of Washington</td>
</tr>
<tr>
<td>2:45 PM</td>
<td><strong>Distinguished Lecture:</strong> Biomarkers of DNA Repair Deficiency</td>
<td>Elizabeth Swisher, MD</td>
<td>University of Washington</td>
</tr>
</tbody>
</table>

**Discussion**

3:05 PM - 3:25 PM  
First Question: Mark Markowski, MD, PhD
Thursday, June 15, 2017

3:25 PM - 3:35 PM   Cotargeting PARP Inhibition
                      Reem Malek, PhD
                      Johns Hopkins University

3:35 PM - 3:55 PM   Discussion
                      First Question: Russell Pachynski, MD

3:55 PM - 4:05 PM   Interplay between Androgen Receptor and PARP
                      Matthew Schiewer, PhD
                      Thomas Jefferson University

4:05 PM - 4:25 PM   Discussion
                      First Question: Saul Priceman, PhD

4:25 PM - 4:35 PM   The Role of SPOP in DNA repair
                      Christopher Barbieri, MD, PhD
                      Weill Cornell Medicine

4:35 PM - 4:55 PM   Discussion
                      First Question: Karen Sfanos, PhD

Session VI: Advancing the Use of Germline Genetics in Clinical Practice

Session Chair: Heather Cheng, MD PhD
               University of Washington

Distinguished Lecture:
4:55 PM - 5:15 PM   Integrating BRCA Research, Care and Patient Experience
                      Pamela Munster, MD
                      University of California, San Francisco

Discussion
5:15 PM - 5:35 PM   First Question: Christopher Logothetis, MD

5:45 PM - 7:00 PM   Dinner
                     Legends Lawn

7:00 PM - 7:15 PM   Move to Session VI
                     Veranda
Distinguished Lecture:
7:15 PM - 7:35 PM
Cancer Genetics: Translation and Diversification
Olufunmilayo Olopade, MD
University of Chicago

Discussion
7:35 PM - 7:55 PM
First Question: Amina Zoubeidi, PhD

7:55 PM - 8:05 PM  Patient Partnership in Genomics Research
John Gore, MD
University of Washington

8:05 PM - 8:25 PM  Discussion
First Question: Leigh Ellis, PhD

8:25 PM - 8:35 PM  Clinical Implications of Germline BRCA: Urology Perspective
Todd Morgan, MD
University of Michigan

8:35 PM - 8:55 PM  Discussion
First Question: Howard Scher, MD

8:55 PM - 9:30 PM  AFFINITY GROUPS II
FRIDAY, JUNE 16, 2017

7:00 AM - 7:45 AM  Breakfast  Legends Lawn
7:45 AM - 8:00 AM  Move to Session VII  Veranda

Session VII: Prostate Cancer Theranostics
Session Chair: Daniel Spratt, MD
University of Michigan

Distinguished Lecture:
8:00 AM - 8:20 AM
Overview of Radionuclides for Imaging and Therapy
Oliver Sartor, MD
Tulane Cancer Center

Discussion
8:20 AM - 8:40 AM
First Question: Haydn Kissick, PhD

8:40 AM - 8:50 AM  Small Molecules, Mini-bodies, Antibodies: Does size matter?
Neil Bander, MD
Weill Cornell Medicine

8:50 AM - 9:10 AM  Discussion
First Question: Irfan Asangani, PhD

9:10 AM - 9:20 AM  Use of C11-Choline PET in Oligometastatic Disease
Jeff Karnes, MD
Mayo Clinic

9:20 AM - 9:40 AM  Discussion
First Question: Lauren Harshman, MD

9:40 AM - 9:50 AM  Use of PSMA PET in Oligometastatic Disease
Steven Rowe, MD, PhD
Johns Hopkins University

9:50 AM - 10:10 AM  Discussion
First Question: Adam Dicker, MD, PhD
10:10 AM - 10:20 AM  Diagnostic and Therapeutic uses of PSMA  
Ken Herrmann, MD  
University of California, Los Angeles  
10:20 AM - 10:40 AM  Discussion  
First Question: Steven Balk, MD, PhD

**Distinguished Lecture:**  
10:40 AM - 11:00 AM  
NextGen Prostate Cancer Treatments will Feature NextEpigen Approaches  
William Nelson, MD, PhD  
Johns Hopkins University  
Discussion  
11:00 AM - 11:20 AM  
First Question: Akash Patnaik, MD, PhD

11:20 AM - 11:30 AM  Group Photos  
11:30 AM - 1:15 PM  Lunch  
Legends Lawn  
Free Afternoon  
1:15 PM - 2:15 PM  Personal Training Session  
Bougainvillea Courtyard  
(RSVP required, limited availability)  
Lunch available immediately following training session  
5:15 PM - 6:15 PM  Dinner  
Legends Lawn  
6:15 PM - 6:30 PM  Move to Session VIII  
Veranda
## Session VIII: Immunology

**Session Chair:** Lauren Harshman, MD  
Harvard: Dana-Farber Cancer Institute

### Distinguished Lecture:

**6:30 PM - 6:50 PM**  
Cracking a Tough Nut: Immunotherapy for Prostate Cancer  
**Charles Drake, MD, PhD**  
Columbia University  

**Discussion**  
6:50 PM - 7:10 PM  
First Question: Ana Aparicio, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:10 PM - 7:20 PM</td>
<td>Radium-223 as an Immunomodulator—ongoing studies with Checkpoint Inhibition</td>
<td>Ravi Madan, MD</td>
<td>National Cancer Institute</td>
</tr>
<tr>
<td>7:20 PM - 7:40 PM</td>
<td>Discussion</td>
<td>First Question: Andrew Armstrong, MD</td>
<td></td>
</tr>
<tr>
<td>7:40 PM - 7:50 PM</td>
<td>Priming the Immune System with GM-CSF Prior to Prostatectomy</td>
<td>Xiao Wei, MD</td>
<td>University of California, San Francisco</td>
</tr>
<tr>
<td>7:50 PM - 8:10 PM</td>
<td>Discussion</td>
<td>First Question: Glenn Liu, MD</td>
<td></td>
</tr>
<tr>
<td>8:10 PM - 8:20 PM</td>
<td>Overcoming Immune Escape with a MIC-A Vaccine</td>
<td>Soumya Badrinath, PhD</td>
<td>Harvard: Dana-Farber Cancer Institute</td>
</tr>
<tr>
<td>8:20 PM - 8:40 PM</td>
<td>Discussion</td>
<td>First Question: Heather Cheng, MD, PhD</td>
<td></td>
</tr>
</tbody>
</table>

### Distinguished Lecture:

**8:40 PM - 9:00 PM**  
From Bench to Bedside: Marrying a DNA Vaccine with Checkpoint Inhibition in PC  
**Douglas McNeel, MD, PhD**  
University of Wisconsin  

**Discussion**  
9:00 PM - 9:20 PM  
First Question: William Dahut, MD
SATURDAY, JUNE 17, 2017

7:00 AM - 7:45 AM  Breakfast  Legends Lawn
7:45 AM - 8:00 AM  Move to Session IX  Veranda

Session IX: Immunotherapeutic Approaches to Prostate Cancer: To be or not to be specific

Session Chair: Saul Priceman, PhD
City of Hope

8:00 AM - 8:10 AM  Targeting soluble NKG2D ligands to treat metastatic prostate cancer: preclinical and clinical rationale
Jennifer Wu, PhD
Medical University of South Carolina

8:10 AM - 8:30 AM  Discussion
First Question: David Miyamoto, MD, PhD

8:30 AM - 8:40 AM  Combination immunotherapy for prostate cancer: OX40 agonists, checkpoint blockade, and beyond
William Redmond, PhD
Providence Portland Medical Center/Earle A. Chiles Research Institute

8:40 AM - 9:00 AM  Discussion
First Question: Reem Malek, PhD

9:00 AM - 9:10 AM  Inflammation-induced suppression of cytotoxic T cell activation as a tumor promoting mechanism
Shabnam Shalapour, PhD
University of California, San Diego

9:10 AM - 9:30 AM  Discussion
First Question: Massimo Loda, MD

9:30 AM - 9:40 AM  Challenges and opportunities for immunotherapy in prostate cancer
James Gulley, MD, PhD
National Cancer Institute

9:40 AM - 10:00 AM  Discussion
First Question: Wassim Abida, MD, PhD

10:00 AM - 10:30 AM  AFFINITY GROUPS III
Session X: Closing Remarks

10:30 AM - 10:50 AM

Meeting Debrief
Kenneth Pienta, MD
Johns Hopkins University

Howard Soule, PhD
Prostate Cancer Foundation

Departures - Boxed Lunches Provided