2015 Coffey - Holden
Prostate Cancer Academy Meeting

Multidisciplinary Intervention of Early, Lethal Metastatic Prostate Cancer

June 25-28, 2015
Estancia Hotel
La Jolla, CA

Program Organizing Committee:
Joshua Lang, MD, Chair (University of Wisconsin Carbone Comprehensive Cancer Center)
Robert Den, MD (Thomas Jefferson University)
Isla Garraway, MD, PhD (University of California, Los Angeles)
Tamara Lotan, MD (Johns Hopkins Medical Institutions)
Ashley Ross, MD, PhD (Johns Hopkins University)
Tanya Stoyanova, PhD (University of California, Los Angeles)
### Thursday, June 25, 2015

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>3:00 PM - 5:00 PM</td>
<td>Registration</td>
<td>Pacifica Pre Function A</td>
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<tr>
<td>5:00 PM - 6:00 PM</td>
<td>Welcome Reception</td>
<td>Caretakers Lawn</td>
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<tr>
<td>6:00 PM - 7:15 PM</td>
<td>Welcome Dinner</td>
<td>Grande Room</td>
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<td>7:15 PM - 7:30 PM</td>
<td>Move to Session I</td>
<td>Pacifica Ballroom</td>
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**Session I: Introduction**

Location: *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**
  - Surgery and the High Risk Patient
  - **Patrick Walsh, MD**
  - Johns Hopkins Hospital

### Friday, June 26, 2015

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<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>6:30 AM</td>
<td>Registration</td>
<td>Pacifica Pre Function A</td>
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<tr>
<td>6:45 AM - 7:45 AM</td>
<td>Breakfast</td>
<td>Hacienda Lawn</td>
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<tr>
<td>7:45 AM - 8:00 AM</td>
<td>Move to Session II</td>
<td>Pacifica Ballroom</td>
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</table>
**Session II: Charge to Participants: The Big Questions**  
Location: *Pacifica Ballroom*

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

**Session III: Evaluating and Targeting the Microenvironment in the Primary Tumor**  
Location: *Pacifica Ballroom*

**Session Chair:** *Robert Den, MD*  
Thomas Jefferson University

8:30 AM - 8:40 AM  
**Introduction to Session**  
*Robert Den, MD*  
Thomas Jefferson University

8:40 AM - 8:50 AM  
**Enabling Functional and Mechanistic Insights in the Tumor Microenvironment**  
*David Beebe, PhD*  
University of Wisconsin- Madison

8:50 AM - 9:10 AM  
Discussion  
First Question: *Daniel Thorek, PhD*

9:10 AM - 9:20 AM  
**Hormonal Cross-Talk in the Prostate Tumor Microenvironment**  
*Elahe Mostaghel, MD, PhD*  
Fred Hutchinson Cancer Research Center

9:20 AM - 9:40 AM  
Discussion  
First Question: *Haydn Kissick, PhD*

9:40 AM - 9:50 AM  
**The Hypoxia Driver-Phenotype in Prostate Cancer**  
*Micahel Milosevic, MD*  
Princess Margaret Cancer Centre

9:50 AM - 10:10 AM  
Discussion  
First Question: *Tamara Lotan, MD*

10:10 AM - 10:20 AM  
**Effects of Cancer Therapeutics on the Tumor Microenvironment: Are We Fertilizing the Soil?**  
*Peter Nelson, MD*  
Fred Hutchinson Cancer Research Center

10:20 AM - 10:40 AM  
Discussion  
First Question: *Eliezer Van Allen, MD*
Friday, June 26, 2015

10:40 AM - 10:50 AM  Break

10:50 AM - 11:00 AM  Prostate Cancer Immunotherapy  
**Lawrence Fong, MD**  
University of California, San Francisco

11:00 AM - 11:20 AM  Discussion  
First Question: Anna Wu, PhD

11:20 AM - 11:30 AM  Tumor Stroma Evolution: RUNX1 as a Potential Therapeutic Target  
**David Rowley, PhD**  
Baylor College of Medicine

11:30 AM - 11:50 AM  Discussion  
First Question: Joshua Lang, MD

11:50 AM - 12:00 PM  High-Content Single Cell Analysis to Understand Happenings in the Microenvironment  
**Peter Kuhn, PhD**  
University of Southern California

12:00 PM - 12:20 PM  Discussion  
First Question: Felix Feng, MD

12:20 PM - 1:20 PM  Lunch  
Caretakers Lawn

1:20 PM - 1:30 PM  Move to Session IV

**Session IV: Advancing Biomarkers for Clinical Integration**  
Location: Pacifica Ballroom

**Session Chair:**  
**Tamara Lotan, MD**  
Johns Hopkins Medical Institutions

1:30 PM - 1:40 PM  Introduction to Session  
**Tamara Lotan, MD**  
Johns Hopkins Medical Institutions

1:40 PM - 1:50 PM  Evolving Tissue-Based RNA Expression Assays to Improve Prostate Cancer Prognosis and Decision Making  
**Matthew Cooperberg, MD**  
University of California, San Francisco

1:50 PM - 2:10 PM  Discussion  
First Question: Glenn Liu, MD
2:10 PM - 2:25 PM  
**Tissue and Blood Based Genomic Characterization of Early Lethal Prostate Cancer**  
**Scott Tomlins, MD, PhD**  
University of Michigan

2:25 PM - 2:45 PM  
Discussion  
First Question: Eleni Efstathiou, MD, PhD

2:45 PM - 2:55 PM  
**Androgen Receptor Variant Function in Prostate Cancer**  
**Scott Dehm, PhD**  
University of Minnesota

2:55 PM - 3:15 PM  
Discussion  
First Question: Amina Zoubeidi, PhD

3:15 PM - 3:50 PM  
**Break**

3:50 PM - 4:00 PM  
**Identifying and Treating Patients with Residual Disease – The Challenges**  
**Colm Morrissey, PhD**  
University of Washington

4:00 PM - 4:20 PM  
Discussion  
First Question: William Dahut, MD

4:20 PM - 4:30 PM  
**Role of ETS Transcription Factors in Prostate Cancer Lineage Specification**  
**Yu Chen, MD, PhD**  
Memorial Sloan-Kettering Cancer Center

4:30 PM - 4:50 PM  
Discussion  
First Question: Philip Kantoff, MD

4:50 PM - 5:00 PM  
**Digital Image Analysis for Quantification of Tissue-Based Biomarkers**  
**Beatrice Knudsen, MD, PhD**  
Cedars-Sinai Medical Center

5:00 PM - 5:20 PM  
Discussion  
First Question: Brett Carver, MD

5:20 PM – 6:20 PM  
**Dinner**  
Grande Room

6:20 PM – 6:30 PM  
**Move to Session V**
**Session V: Cellular and Molecular Mechanisms of Tumorigenesis**

Location: *Pacifica Ballroom*

**Session Chair:**
Tanya Stoyanova, PhD  
University of California, Los Angeles

**6:30 PM - 6:40 PM**  
**Introduction to Session**  
Tanya Stoyanova, PhD  
University of California, Los Angeles

**6:40 PM - 6:50 PM**  
**Basal Cell Gene Expression Profiles Linked to Aggressive Prostate Cancer Subtypes**  
Dean Tang, MD, PhD  
The University of Texas MD Anderson Cancer Center

**6:50 PM - 7:10 PM**  
**Discussion**  
First Question: Nima Sharifi, MD

**7:10 PM - 7:20 PM**  
**Molecular Characterization of Clonal Gleason Pattern 3 and 4 Prostate Cancers**  
Steven Balk, MD, PhD  
Beth Israel Deaconess Medical Center

**7:20 PM - 7:40 PM**  
**Discussion**  
First Question: Ganesh Raj, MD, PhD

**7:40 PM - 7:50 PM**  
**Identifying Actionable Drivers in Prostate Cancer through Integrative Genomic Profiling of GEM Models and Human Prostate Cancers**  
Brett Carver, MD  
Memorial Sloan-Kettering Cancer Center

**7:50 PM - 8:10 PM**  
**Discussion**  
First Question: Emmanuel Antonarakis, MD

**8:10 PM - 8:20 PM**  
**Computational Systems Biology Approaches to Identify Transcriptional Drivers of Aggressive Prostate Cancer**  
Antonina Mitrofanova, PhD  
Columbia University Medical Center

**8:20 PM - 8:40 PM**  
**Discussion**  
First Question: Alexander Wyatt, PhD
SATURDAY, JUNE 27, 2015

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

7:45 AM - 8:00 AM  Move to Session VI  Pacifica Ballroom

Session VI: The Next Generation of Clinical Research
Location: Pacifica Ballroom

Session Chair:  Joshua Lang, MD
University of Wisconsin Carbone Comprehensive Cancer Center

8:00 AM - 8:10 AM  Introduction to Session
Joshua Lang, MD
University of Wisconsin Carbone Comprehensive Cancer Center

8:10 AM - 8:20 AM  Redefining Clinical States for Clinical Trials-Incorporating Molecular Imaging into Prostate Cancer Trials
Steve Cho, MD
University of Wisconsin

8:20 AM - 8:40 AM  Discussion
First Question: Isla Garraway, MD

8:40 AM - 8:50 AM  Sooner Rather than Later: The Rationale for Early, Aggressive Therapy
Michael Schweizer, MD
University of Washington

8:50 AM - 9:10 AM  Discussion
First Question: Ashley Ross, MD, PhD

9:10 AM - 9:20 AM  Androgen Annihilation in the Neoadjuvant Setting
Rana McKay, MD
Dana-Farber Cancer Institute

9:20 AM - 9:40 AM  Discussion
First Question: Colin Pritchard, MD, PhD

9:40 AM - 9:50 AM  Towards a Cellular Delivery Platform for Prostate Cancer Therapy
Oren Levy, PhD
Brigham and Women’s Hospital, Harvard Medical School

9:50 AM - 10:10 AM  Discussion
First Question: Jennifer Bishop, PhD
10:10 AM - 10:20 AM  
**Break**

10:20 AM - 10:30 AM  
**Targeting the Metastatic Niche**  
*Kenneth Pienta, MD*  
Johns Hopkins University

10:30 AM - 10:50 AM  
**Discussion**  
First Question: Mary-Ellen Taplin, MD

10:50 AM - 11:00 AM  
**Immunotherapy and Radiation in Prostate Cancer**  
*Charles Drake, MD, PhD*  
Johns Hopkins University

11:00 AM - 11:20 AM  
**Discussion**  
First Question: John Isaacs, PhD

11:20 AM - 11:30 AM  
**Prioritizing Mutimodality Approaches by Changing the Paradigm from Palliation to Cure**  
*Howard Scher, MD*  
Memorial Sloan-Kettering Cancer Center

11:30 AM - 11:50 AM  
**Discussion**  
First Question: Scott Tomlins, MD, PhD

11:50 AM  
**Group Pictures**  
_Hacienda Lawn_  

12:00 PM – 1:30 PM  
**Lunch**  
_Olive Lawn_  

1:15 PM – 2:15 PM  
**Personal Training Session**  
_Hacienda Lawn_  
*RSVP required, limited availability*  
*Lunch available immediately following training session*

**Free Afternoon**

5:45 PM – 6:45 PM  
**Dinner**  
_Grande Room_

6:45 PM – 7:00 PM  
**Move to Session VII**  
_Pacifica Ballroom_
Session VII: Plenary Session: Molecular Imaging and the High Risk Patient

Location: Pacifica Ballroom

Session Chair: Joshua Lang, MD
University of Wisconsin Carbone Comprehensive Cancer Center

7:00 PM - 7:10 PM
Introduction to Session
Joshua Lang, MD
University of Wisconsin Carbone Comprehensive Cancer Center

7:10 PM - 7:20 PM
Multi-Parametric Image Analysis
Peter Pinto, MD
National Cancer Institute, National Institutes of Health

7:20 PM - 7:40 PM
Discussion
First Question: Ana Aparicio, MD

7:40 PM - 7:50 PM
Molecular Imaging: Whole Body MRI Detection for Burden of Disease
Nina Tunariu, MD
The Royal Marsden NHS Foundation Trust

7:50 PM - 8:10 PM
Discussion
First Question: Scott Dehm, PhD

8:10 PM - 8:20 PM
Molecular Imaging: PET Assessment of Disease Burden
Robert Jeraj, PhD
University of Wisconsin

8:20 PM - 8:40 PM
Discussion
First Question: Ganesh Palapattu, MD

8:40 PM - 8:50 PM
Novel Tracers in High Risk Prostate Cancer
Anna Wu, PhD
University of California, Los Angeles

8:50 PM - 9:10 PM
Discussion
First Question: Tanya Stoyanova, PhD
### Session VIII: Targeting the Primary Tumor in Advanced Disease
Location: *Pacifica Ballroom*

**Session Chair:**  
Isla Garraway, MD, PhD  
University of California, Los Angeles

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<tr>
<td>7:00 AM - 7:10 AM</td>
<td><strong>Introduction to Session</strong></td>
<td>Isla Garraway, MD, PhD</td>
<td>Pacifica Ballroom</td>
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<tr>
<td>7:10 AM - 7:20 AM</td>
<td><strong>Lessons Learned from Renal Cell Carcinoma</strong></td>
<td>Christopher Wood, MD</td>
<td>Pacifica Ballroom</td>
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<tr>
<td>7:20 AM - 7:40 AM</td>
<td>Discussion</td>
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<td>7:40 AM - 7:50 AM</td>
<td><strong>Treatment of the Primary Tumor in Advanced/Metastatic Disease</strong></td>
<td>Brian Chapin, MD</td>
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<td>7:50 AM - 8:10 AM</td>
<td>Discussion</td>
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<tr>
<td>8:10 AM - 8:20 AM</td>
<td><strong>To See the Forest Before the Trees: The Value of Population-Based</strong></td>
<td>Stephen Culp, MD, PhD</td>
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<td><strong>Studies in Examining Treatment of the Primary Tumor in Metastatic</strong></td>
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<td><strong>Prostate Cancer</strong></td>
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<td><strong>First Question:</strong></td>
<td>David Ulmert, MD, PhD</td>
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<td>8:20 AM - 8:40 AM</td>
<td>Discussion</td>
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<td><strong>First Question:</strong></td>
<td>David Ulmert, MD, PhD</td>
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8:40 AM - 8:50 AM  
**STAMPEDE and TROMBone: UK Clinical Trials Investigating Managing the Primary Tumor in Metastatic Prostate Cancer**  
Prasanna Sooriakumaran, MD, PhD  
University of Oxford

8:50 AM - 9:10 AM  
Discussion  
First Question: Adam Dicker, MD, PhD

9:10 AM - 9:20 AM  
**Break**

### Session IX: Instituting Multi-Modal Care of the Oligometastatic and High Risk Patient

**Location:** Pacifica Ballroom

**Session Chair:**  
Ashley Ross, MD, PhD  
Johns Hopkins University

9:20 AM - 9:30 AM  
**Introduction to Session**  
Ashley Ross, MD, PhD  
Johns Hopkins University

9:30 AM - 9:40 AM  
**Metastasis Directed Therapy – The Surgeon’s Perspective**  
R. Jeffrey Karnes, MD, PhD  
Mayo Clinic

9:40 AM - 10:00 AM  
Discussion  
First Question: Jiaoti Huang, MD, PhD

10:00 AM - 10:10 AM  
**Metastasis Directed Therapy – The Radiation Oncologist’s Perspective**  
Phuoc Tran, MD, PhD  
Johns Hopkins University School of Medicine

10:10 AM - 10:30 AM  
Discussion  
First Question: James Brooks, MD

10:30 AM - 10:40 AM  
**An Academic Center’s Approach to the High Risk Patient**  
Edward Schaeffer, MD, PhD  
The Johns Hopkins University School of Medicine

10:40 AM - 11:00 AM  
Discussion  
First Question: Antonina Mitrofanova, PhD
Sunday, June 28, 2015

11:00 AM - 11:10 AM
Perspectives Regarding Management of High Risk and Oligo-Metastatic Patients
Ashley Ross, MD, PhD
Johns Hopkins University

11:10 AM - 11:30 AM
Discussion
First Question: Sumit Subudhi, MD, PhD

Session X: Meeting Debrief
Location: Pacifica Ballroom

11:30 AM - 11:45 AM
Meeting Debrief
Kenneth Pienta, MD
Johns Hopkins University

Howard Soule, PhD
Prostate Cancer Foundation

Departures - Boxed Lunches Provided