2022 Coffey-Holden Prostate Cancer Academy Meeting

Exploring New Frontiers in Prostate Cancer Research

June 23 - 26, 2022
University of California, Los Angeles
Luskin Conference Center
Los Angeles, CA

Program Organizing Committee:
Jessica Hawley, MD, MS, Committee Chair (University of Washington; Fred Hutchinson Cancer Research Center)
Remi Adelaiye-Ogala, PhD (University at Buffalo)
Jeremie Calais, MD, MSc (University of California, Los Angeles)
Lucia Nappi, MD, PhD (University of British Columbia)
Ravi Parikh, MD, MPP (University of Pennsylvania; Corporal Michael J. Crescenz VA Medical Center)
Tyler Seibert, MD, PhD (University of California, San Diego)
Elizabeth Wasmuth, PhD (Memorial Sloan Kettering Cancer Center)
Xiao Wei, MD (Dana-Farber Cancer Institute)

Andrea Miyahira, PhD (Prostate Cancer Foundation)
Kenneth Pienta, MD (Johns Hopkins University)
Howard Soule, PhD (Prostate Cancer Foundation)
THURSDAY, JUNE 23, 2022

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
7:15PM – 7:30 PM  Move to Session I  Centennial A&B

Session I: Introduction
7:30 PM – 7:40 PM  Welcome and Opening Remarks  Centennial A&B

Distinguished Lecture
7:40 PM – 8:40 PM  Reflections on AR Targeting
Charles Sawyers, MD
Memorial Sloan Kettering Cancer Center
8:40 PM – 9:00 PM  Discussion
First Question: Jelani Zarif, PhD

FRIDAY, JUNE 24, 2022

6:00 AM – 7:00 AM  Breakfast  Centennial Terrace
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: Unveiling Genetic and Non-Genetic Molecular Features in Homologous Recombination Deficient Prostate Cancer**

**Session Chair:** Lucia Nappi, MD, PhD  
University of British Columbia

**7:40 AM – 7:50 AM**  
**Genetics and Non-Genetic Factors Affecting Epidemiology of Cancer in Under-Represented Populations**  
Victoria Cortessis, PhD  
University of Southern California

**7:50 AM – 8:10 AM**  
Discussion  
First Question: Di Zhao, PhD

**8:10 AM – 8:20 AM**  
**Genetic Mechanisms Underlying Mismatch DNA Repair Deficiency in African American Patients with Prostate Cancer**  
Kara Maxwell, MD, PhD  
University of Pennsylvania

**8:20 AM – 8:40 AM**  
Discussion  
First Question: Saul Priceman, PhD

**8:40 AM – 8:50 AM**  
**Novel Approaches to Identify HR Defects in Patients with Prostate Cancer**  
Navonil De Sarkar, PhD  
University of Washington; Fred Hutchinson Cancer Research Center

**8:50 AM – 9:10 AM**  
Discussion  
First Question: William Dahut, MD

**9:10 AM – 9:20 AM**  
**Single-Cell Analysis to Identify Prostate Cancer Heterogeneity and Possible New Therapeutic Targets**  
Franklin Huang, MD, PhD  
University of California, San Francisco

**9:20 AM – 9:40 AM**  
Discussion  
First Question: Nickolas Nickols MD, PhD

**9:40 AM – 10:00 AM**  
Break
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 AM – 10:10 AM</td>
<td>Immunosuppressive Myeloid Cells in the Prostate Tumor Microenvironment: A Therapeutic Target?</td>
<td>David Sykes, MD, PhD</td>
<td>Harvard University; Massachusetts General Hospital</td>
</tr>
<tr>
<td>10:10 AM – 10:30 AM</td>
<td>Discussion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30 AM – 10:40 AM</td>
<td>Image-Guided Prostate Cancer Immunotherapy with Biomaterial Drones</td>
<td>Wilfred Ngwa, MS, PhD</td>
<td>Johns Hopkins University</td>
</tr>
<tr>
<td>10:40 AM – 11:00 AM</td>
<td>Discussion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 AM – 11:10 AM</td>
<td>Unbiased CRISPR Screens in Human T Cells Uncover Genes that Regulate Resistance to Immune Suppression and Boost Long-Term Effector Function</td>
<td>Julia Carnevale, MD</td>
<td>University of California, San Francisco</td>
</tr>
<tr>
<td>11:10 AM – 11:30 AM</td>
<td>Discussion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30 AM – 12:30 PM</td>
<td>Lunch</td>
<td>Plateia A</td>
<td></td>
</tr>
<tr>
<td>12:30 PM – 12:45 PM</td>
<td>Move to Session IV</td>
<td>Centennial A&amp;B</td>
<td></td>
</tr>
<tr>
<td>12:45 PM – 12:55 PM</td>
<td>Lessons from Tumor-Intrinsic Resistance to Immunotherapy in Melanoma</td>
<td>Anusha Kalbasi, MD</td>
<td>University of California, Los Angeles</td>
</tr>
<tr>
<td>12:55 PM – 1:15 PM</td>
<td>Discussion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:15 PM – 2:15 PM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Friday, June 24, 2022

1:15 PM – 1:25 PM  Should We “Adopt” Adoptive Immunotherapy?
Susan Slovin, MD, PhD
Memorial Sloan Kettering Cancer Center
1:25 PM – 1:45 PM  Discussion
First Question: David Quigley, PhD

1:45 PM – 2:00 PM  Break

Session V: The Impact of Social Determinants on Biology
Session Chair: Jessica Hawley, MD, MS
University of Washington; Fred Hutchinson Cancer Research Center

2:00 PM – 2:10 PM  Bridging the Gap between Biologic, Individual, and Macroenvironmental Factors
Timothy Rebbeck, PhD
Harvard University
2:10 PM – 2:30 PM  Discussion
First Question: Amy Moran, PhD

2:30 PM – 2:40 PM  Immunobiological Factors that Contribute to Prostate Cancer Disparities in Racial / Ethnic Minorities
Janielle Maynard, PhD
Johns Hopkins University
2:40 PM – 3:00 PM  Discussion
First Question: Tyler Seibert, MD, PhD

3:00 PM – 3:10 PM  Disparities in Prostate Cancer Survival According to Neighborhood Archetype
Salma Shariff-Marco, PhD, MPH
University of California, San Francisco
3:10 PM – 3:30 PM  Discussion
First Question: Dolores Di Vizio, MD, PhD

3:30 PM – 3:40 PM  A Patient-Centered Approach to Understanding Social, Environmental, and Racial Inequities in Prostate Cancer
Yaw Nyame, MD, MS, MBA
University of Washington; Fred Hutchinson Cancer Research Center
3:40 PM – 4:00 PM  Discussion
First Question: Lisa Chesner, PhD
Friday, June 24, 2022

4:00 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: Evolution and Diversity of Prostate Cancer Treatments
Session Chair:  Remi Adelaiye-Ogala, PhD
University at Buffalo

6:30 PM – 6:40 PM  Mitochondrial Regulation of Macrophage-Tumor Cell Metabolic Interactions in Prostate Cancer of African American Patients
Asmaa El-Kenawi, PhD
Moffitt Cancer Center

6:40 PM – 7:00 PM  Discussion
First Question: Karen Knudsen, MBA, PhD

7:00 PM – 7:10 PM  Development of Novel Patient-Derived Xenograft Models to Facilitate Health Disparities Research
Salma Kaochar, PhD
Baylor College of Medicine

7:10 PM – 7:30 PM  Discussion
First Question: Kara Maxwell, MD, PhD

7:30 PM – 7:40 PM  Increasing Diversity in Prostate Cancer Clinical Trials: Multiple Solutions to Achieve Clinical Trial Equity
Leanne Burnham, PhD
City of Hope

7:40 PM – 8:00 PM  Discussion
First Question: Leigh Ellis, PhD

8:00 PM – 8:10 PM  Reducing Rural-Urban Disparities in Availability of Cancer Services and Patient Outcomes
Ekaterina Noyes, PhD, MPH
University at Buffalo

8:10 PM – 8:30 PM  Discussion
First Question: Abhijit Parolia, PhD
### Session VII: Tipping the Balance in AR Regulation - When to Inhibit and When is Too Much?

**Session Chair:** Elizabeth Wasmuth, PhD  
Memorial Sloan Kettering Cancer Center

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:10 AM – 7:20 AM</td>
<td>From Steroids to Shape Shifting – How the Androgen Receptor is Primed to Drive Cancer</td>
<td>Centennial A&amp;B</td>
</tr>
<tr>
<td>7:20 AM – 7:40 AM</td>
<td>Discussion</td>
<td>Centennial A&amp;B</td>
</tr>
<tr>
<td>7:40 AM – 7:50 AM</td>
<td>Exploiting the AR &quot;Goldilocks&quot; Phenomenon for Prostate Cancer Therapy</td>
<td>Centennial A&amp;B</td>
</tr>
<tr>
<td>7:50 AM – 8:10 AM</td>
<td>Discussion</td>
<td>Centennial A&amp;B</td>
</tr>
<tr>
<td>8:10 AM – 8:20 AM</td>
<td>Impeding Enhancer Accessibility in Transcription Factor-Addicted Cancers</td>
<td>Centennial A&amp;B</td>
</tr>
<tr>
<td>8:20 AM – 8:40 AM</td>
<td>Discussion</td>
<td>Centennial A&amp;B</td>
</tr>
<tr>
<td>8:40 AM – 8:50 AM</td>
<td>Epigenetic Alterations Associated with AR Expression Heterogeneity</td>
<td>Centennial A&amp;B</td>
</tr>
<tr>
<td>8:50 AM – 9:10 AM</td>
<td>Discussion</td>
<td>Centennial A&amp;B</td>
</tr>
<tr>
<td>9:10 AM – 9:30 AM</td>
<td>Break</td>
<td>Centennial A&amp;B</td>
</tr>
</tbody>
</table>
Saturday, June 25, 2022

Session VIII: Nuclear Theranostics: Lessons Learned and Future Directions

Session Chair: Johannes Czernin, MD
University of California, Los Angeles
Jeremie Calais, MD, MSc
University of California, Los Angeles

9:30 AM – 9:40 AM  What Can We Learn from Theranostics Successes in Other Diseases than Prostate Cancer? NET and Thyroid Cancer
Lisa Bodei, MD, PhD
Memorial Sloan Kettering Cancer Center
9:40 AM – 10:00 AM  Discussion
First Question: Haolong Li, PhD

10:00 AM – 10:10 AM  What Can We Learn from Theranostics Successes in Other Diseases than Prostate Cancer? Lymphoma – MIBG – Radio-Immunotherapy
Neeta Pandit-Taskar, MD
Weill Cornell Medical Center; Memorial Sloan Kettering Cancer Center
10:10 AM – 10:30 AM  Discussion
First Question: Daniel Frigo, PhD

10:30 AM – 10:40 AM  Refining Patient Selection for PSMA-Targeted MRT: Role of FDG PET in Prostate Cancer
Hossein Jadvar, MD, PhD
University of Southern California
10:40 AM – 11:00 AM  Discussion
First Question: Andrew Hsieh, MD

11:00 AM – 11:10 AM  Understanding Resistance to PSMA-Targeted Radiopharmaceutical Therapies
Johannes Czernin, MD
University of California, Los Angeles
11:10 AM – 11:30 AM  Discussion
First Question: John Lee, MD, PhD

11:30 AM – 12:00 PM  Group Pictures

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

1:00 PM – 2:00 PM  Personal Training Session *(RSVP required, limited availability)*
*Lunch available immediately following training session*

5:00 PM – 5:45 PM  Dinner  Centennial Terrace

5:45 PM – 5:55 PM  Move to Session IX  Centennial A&B

**Section IX: 21st Century Responsible Speeding of New Treatments to Patients**

**Session Chair:** Ravi Parikh, MD, MPP  
University of Pennsylvania; Corporal Michael J. Crescenz VA Medical Center

5:55 PM – 6:05 PM  Identifying Biomarkers of Survival to Accelerate Treatments in Prostate Cancer  
*Tito Fojo, MD, PhD*  
Columbia University

6:05 PM – 6:25 PM  Discussion  
First Question: Eugene Shenderov, MD, PhD

6:25 PM – 6:35 PM  Leveraging VA Data to Identify Prognostic and Predictive Biomarkers in Prostate Cancer  
*Isla Garraway, MD, PhD*  
University of California, Los Angeles; Greater Los Angeles VA Healthcare System

6:35 PM – 6:55 PM  Discussion  
First Question: Ana Aparicio, MD

6:55 PM – 7:05 PM  Using Real-World Data to Explore Comparative Effectiveness and Disparities in Prostate Cancer  
*Ravi Parikh, MD, MPP*  
University of Pennsylvania; Corporal Michael J. Crescenz VA Medical Center

7:05 PM – 7:25 PM  Discussion  
First Question: Lucia Nappi, MD, PhD
Saturday, June 25, 2022

7:25 PM – 7:35 PM  Cautions in Using Retrospective Data to Advance Treatment Discovery in Prostate Cancer
Daniel Spratt, MD
University Hospitals Seidman Cancer Center

7:35 PM – 7:55 PM  Discussion
First Question: Leanne Burnham, PhD

SUNDAY, JUNE 26, 2022

6:30 AM – 7:20 AM  Breakfast  Centennial Terrace

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

Session X: AI and Biomarkers in Prostate Cancer
Session Chair:  Tyler Seibert, MD, PhD
University of California, San Diego

7:30 AM – 7:40 AM  AI and the Future of Prostate MRI
Peter Choyke, MD
National Institutes of Health

7:40 AM – 8:00 AM  Discussion
First Question: Asmaa El-Kenawi, PhD

8:00 AM – 8:10 AM  Beyond PSA: Measuring the Value of Novel and Reflex Biomarkers for Prostate Cancer Early Detection
Ruth Etzioni, PhD
University of Washington; Fred Hutchinson Cancer Research Center

8:10 AM – 8:30 AM  Discussion
First Question: Samir Zaidi, MD, PhD
Sunday, June 26, 2022

8:30 AM – 8:40 AM  
**Clinically-Relevant Metastatic Characteristics in Circulating Tumor DNA**  
Alexander Wyatt, PhD  
Vancouver Prostate Centre

8:40 AM – 9:00 AM  
Discussion  
First Question: Sumit Subudhi, MD, PhD

9:00 AM – 9:10 AM  
**Machine Learning and AI Approaches for Quantitative Prostate Histopathology**  
Beatrice Knudsen, MD, PhD  
University of Utah

9:10 AM – 9:30 AM  
Discussion  
First Question: Jessica Hawley, MD, MS

9:30 AM – 9:40 AM  
**Developing Predictive Biomarkers of Treatment Response Using AI Approaches on Pathology Samples**  
Felix Feng, MD  
University of California, San Francisco

9:40 AM – 10:00 AM  
Discussion  
First Question: Andrew Goldstein, PhD

**Session XI: Closing Remarks**

10:00 AM – 10:15 AM  
**Meeting Debrief**  
Kenneth Pienta, MD  
Johns Hopkins University  
Howard Soule, PhD  
Prostate Cancer Foundation

10:15 AM  
**Departures – Boxed Lunches Provided**  
Centennial Foyer