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)
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

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<td>5:00 PM – 6:00 PM</td>
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#### 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

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#### 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
Genetic and Non-Genetic Determinants of Response to Immunotherapy in Prostate Cancer
Colin Pritchard, MD, PhD
University of Washington; Fred Hutchinson Cancer Research Center

9:20 AM – 9:40 AM
Discussion
First Question: Elizabeth Wasmuth, PhD

9:40 AM – 9:50 AM
Single-Cell Analysis to Identify Prostate Cancer Heterogeneity and Possible New Therapeutic Targets
Franklin Huang, MD, PhD
University of California, San Francisco

9:50 AM – 10:10 AM
Discussion
First Question: John Lee, MD, PhD
Friday, June 24, 2022

10:10 AM – 10:30 AM  Break

Session IV: Tackling the Big Questions in Immunotherapy
Session Chair: Xiao Wei, MD
Dana-Farber Cancer Institute

10:30 AM – 10:40 AM  Immunosuppressive Myeloid Cells in the Prostate Tumor Microenvironment: A Therapeutic Target?
David Sykes, MD, PhD
Harvard University

10:40 AM – 11:00 AM  Discussion
First Question: Gavin Ha, PhD

11:00 AM – 11:10 AM  Image-Guided Prostate Cancer Immunotherapy with Biomaterial Drones
Wilfred Ngwa, MS, PhD
Johns Hopkins University

11:10 AM – 11:30 AM  Discussion
First Question: Christina Dieli-Conwright, PhD, MPH

11:30 AM – 12:30 PM  Lunch  Plateia A

12:30 PM – 12:45 PM  Move to Session IV  Centennial A&B

12:45 PM – 12:55 PM  Unbiased CRISPR Screens in Human T Cells Uncover Genes that Regulate Resistance to Immune Suppression and Boost Long-Term Effector Function
Julia Carnevale, MD
University of California, San Francisco

12:55 PM – 1:15 PM  Discussion
First Question: Adam Sowalsky, PhD

1:15 PM – 1:25 PM  Lessons from Tumor-Intrinsic Resistance to Immunotherapy in Melanoma
Anusha Kalbasi, MD
University of California, Los Angeles

1:25 PM – 1:45 PM  Discussion
First Question: Ravi Parikh, MD, MPP
Friday, June 24, 2022

1:45 PM – 1:55 PM  Should We “Adopt” Adoptive Immunotherapy?  
Susan Slovin, MD, PhD  
Memorial Sloan Kettering Cancer Center

1:55 PM – 2:15 PM  Discussion  
First Question: David Quigley, PhD

2:15 PM – 2:30 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

2:30 PM – 2:40 PM  Bridging the Gap between Biologic, Individual, and Macroenvironmental Factors  
Timothy Rebbeck, PhD  
Harvard University

2:40 PM – 3:00 PM  Discussion  
First Question: David Einstein, MD

3:00 PM – 3:10 PM  Immunobiological Factors that Contribute to Prostate Cancer Disparities in Racial / Ethnic Minorities  
Janielle Maynard, PhD  
Johns Hopkins University

3:10 PM – 3:30 PM  Discussion  
First Question: Tyler Seibert, MD, PhD

3:30 PM – 3:40 PM  Disparities in Prostate Cancer Survival According to Neighborhood Archetype  
Salma Shariff-Marko, PhD, MPH  
University of California, San Francisco

3:40 PM – 4:00 PM  Discussion  
First Question: Johannes Czernin, MD

4:00 PM – 4:10 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

4:10 PM – 4:30 PM  Discussion  
First Question: Lisa Chesner, PhD
Friday, June 24, 2022

4:30 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
Saturday, June 25, 2022

**SATURDAY, JUNE 25, 2022**

6:30 AM – 7:00 AM  Breakfast  Centennial Foyer

7:00 AM – 7:10 AM  Move to Session VII  Centennial A&B

**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

7:10 AM – 7:20 AM  From Steroids to Shape Shifting – How the Androgen Receptor is Primed to Drive Cancer  
Elizabeth Wasmuth, PhD  
Memorial Sloan Kettering Cancer Center

7:20 AM – 7:40 AM  Discussion  
First question: Sarah Amend, PhD

7:40 AM – 7:50 AM  Exploiting the AR "Goldilocks" Phenomenon for Prostate Cancer Therapy  
Pete Nelson, MD  
Fred Hutchinson Cancer Research Center

7:50 AM – 8:10 AM  Discussion  
First question: Remi Adelaiye-Ogala, PhD

8:10 AM – 8:20 AM  Impeding Enhancer Accessibility in Transcription Factor-Addicted Cancers  
Abhijit Parolia, PhD  
University of Michigan

8:20 AM – 8:40 AM  Discussion  
First question: John Isaacs, PhD

8:40 AM – 8:50 AM  Epigenetic Alterations Associated with AR Expression Heterogeneity  
Michael Haffner, MD, PhD  
Fred Hutchinson Cancer Research Center

8:50 AM – 9:10 AM  Discussion  
First Question: Amar Kishan, MD

9:10 AM – 9:30 AM  Break
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**

*Synergistic Combination of Theranostics and Systemic Therapy*
Rahul Aggarwal, MD
University of California, San Francisco

**11:10 AM – 11:30 AM**

Discussion
First Question: Amy Moran, PhD

**11:30 AM – 11:40 AM**

*Theranostics Cocktails: Alpha, Beta, Peptides, Antibodies*
Neil Bander, MD
Weill Cornell Medicine

**11:40 AM – 12:00 PM**

Discussion
First Question: Xiao Wei, MD
Saturday, June 25, 2022

12:00 PM – 12:15 PM  
**Group Pictures**

12:30 PM – 1:30 PM  
**Lunch**  
Plateia A  
**Free Afternoon**

1:30 PM – 2:30 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

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

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

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
6:30 AM – 7:20 AM  Breakfast  Centennial Foyer
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  
Fred Hutchinson Cancer Research Center

8:10 AM – 8:30 AM  Discussion  
First Question: Samir Zaidi, MD, PhD

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