30th Annual Prostate Cancer Foundation
Scientific Retreat

October 26 - 28, 2023

Omni La Costa Resort
Carlsbad, California
AGENDA
Thursday, October 26, 2023

GENERAL SESSIONS
Location: Costa Del Sol Ballroom

8:00 AM  Registration  Costa Del Sol Foyer

Welcome & Opening Remarks
1:00 PM - 1:05 PM
Howard Soule, PhD
Prostate Cancer Foundation
Andrea Miyahira, PhD
Prostate Cancer Foundation

Session 1: Cancer Stem Cells and Prostate Cancer Lineage Plasticity
1:05 PM - 2:25 PM
Moderator: Rakesh Heer, MBBS, PhD
Newcastle University, UK

1:05 PM - 1:20 PM  Development, Maturation, and Maintenance of Human Prostate
Rakesh Heer, MBBS, PhD
Newcastle University, UK

1:20 PM - 1:25 PM  Discussion

1:25 PM - 1:40 PM  Targeting Lineage Plasticity in Prostate Cancer
Wouter Karthaus, PhD
Swiss Institute for Experimental Cancer Research, École Polytechnique Fédérale de Lausanne, Switzerland

1:40 PM - 1:45 PM  Discussion

1:45 PM - 2:00 PM  Engineering Prostate Cancer – Designer Organoids
Adriana Buskin, PhD
Newcastle University, UK
Anastasia Hepburn, PhD
Newcastle University, UK

2:00 PM - 2:05 PM  Discussion
Thursday, October 26, 2023

2:05 PM - 2:20 PM  *Organwide Spatial Analysis of Prostate and its Tumors*
Joakim Lundeberg, PhD
KTH Royal Institute of Technology, Science for Life Laboratory, Solna, Sweden

2:20 PM - 2:25 PM  Discussion
(*N/A post-meeting for On Demand)

Session 2: Treatment Resistance and Plasticity 2023

2:25 PM - 3:45 PM
Moderator: David Goodrich, PhD
Roswell Park Comprehensive Cancer Center

2:25 PM - 2:40 PM  *The 4D Nucleome Underlying Neuroendocrine Transformation of Prostate Cancer*
Jindan Yu, MD, PhD
Emory University

2:40 PM - 2:45 PM  Discussion

2:45 PM - 3:00 PM  *DNA Methylation as a Biomarker and Target in Neuroendocrine Prostate Cancer*
Himisha Beltran, MD
Dana-Farber Cancer Institute

3:00 PM - 3:05 PM  Discussion

3:05 PM - 3:20 PM  *Targeting Prostate Cancer Plasticity in the Clinic*
David Goodrich, PhD
Roswell Park Comprehensive Cancer Center

3:20 PM - 3:25 PM  Discussion

3:25 PM - 3:40 PM  *Temporal Evolution Reveals Bifurcated Lineages in Aggressive Neuroendocrine Small Cell Prostate Cancer Trans-Differentiation*
Chia-Chun (Olga) Chen
University of California, Los Angeles
Thomas Graeber, PhD
University of California, Los Angeles

3:40 PM - 3:45 PM  Discussion
**Session 3: The Future of AI in Diagnostic Medicine**
*3:45 PM - 5:05 PM*

**Moderator:** Thomas Fuchs, DSc
Icahn School of Medicine at Mount Sinai

3:45 PM - 4:00 PM  
**AI-Based Pathology Biomarkers for Predicting Cancer Outcomes**  
Thomas Fuchs, DSc  
Icahn School of Medicine at Mount Sinai

4:00 PM - 4:05 PM  
**Discussion**

4:05 PM - 4:20 PM  
**Utility of Pathology Deep Learning Algorithms for Prostate Cancer**  
Tamara Lotan, MD  
Johns Hopkins University

4:20 PM - 4:25 PM  
**Discussion**

4:25 PM - 4:40 PM  
**AI-Enabled Therapy Personalization**  
Andre Esteva, PhD  
ArteraAI

4:40 PM - 4:45 PM  
**Discussion**

4:45 PM - 5:00 PM  
**AI-Based Quantitative Imaging Biomarkers**  
Robert Jeraj, PhD  
University of Wisconsin; AIQ Solutions

5:00 PM - 5:05 PM  
**Discussion**

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**SPECIAL LECTURE**
*5:05 PM - 5:20 PM*

*Transforming the Clinical Trial Experience to Ensure Breakthroughs for All*

Judy Sowards  
Pfizer

*Introduced by Matthew Cotter, PhD*  
Pfizer

5:20 PM - 5:25 PM  
**Discussion**
SPECIAL LECTURE
5:25 PM - 5:45 PM

DEI Strategies for Advancing Cancer Care Equity

Tawana Thomas Johnson
American Cancer Society

Introduced by Brandon Mahal, MD
University of Miami

5:45 PM - 5:50 PM
Discussion

Dinner
6:30 PM - 7:30 PM

Dinner Location: Costa Del Sol Patio

Poster Session and Dessert
7:30 PM - 10:30 PM

Poster Session and Dessert Location: Costa De La Luna Ballroom
6:00 AM - 6:45 AM  
**Breakfast**  
Location: Costa Del Sol Patio

6:45 AM - 7:00 AM  
Move to Session

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**GENERAL SESSIONS**  
Location: Costa Del Sol Ballroom

**Session 4: Analytical Approaches and Computational Biology for Cancer Research**  
7:00 AM - 7:45 AM

**Moderator:** Francesca Demichelis, PhD  
University of Trento, Italy

7:00 AM - 7:05 AM  
**Introduction**  
Francesca Demichelis, PhD  
University of Trento, Italy

7:05 AM - 7:20 AM  
**Non-Neuroendocrine Lineage Plasticity in Prostate Cancer**  
Ekta Khurana, PhD  
Weill Cornell Medicine

7:20 AM - 7:25 AM  
**Discussion**

7:25 AM - 7:40 AM  
**Mechanism-Centric Markers of Therapeutic Resistance in Oncology**  
Antonina Mitrofanova, PhD  
Rutgers University

7:40 AM - 7:45 AM  
**Discussion**
**SPECIAL LECTURE**
7:45 AM - 8:00 AM

*Of Nerves and Cancer*

Gustavo Ayala, MD
The University of Texas Health Science Center at Houston

*Introduced by Howard Soule, PhD*
Prostate Cancer Foundation

8:00 AM - 8:05 AM
Discussion

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**Session 5: The Biology of Prostate Cancer Bone Metastases**
8:05 AM - 9:25 AM

**Moderator:**
Matt Greenblatt, MD, PhD
Weill Cornell Medicine

8:05 AM - 8:20 AM  
*Building on Insights from Murine Models and Clinical Studies of Prostate Cancer Bone Metastases*
Estefania Labanca, PhD
The University of Texas MD Anderson Cancer Center
Nora Navone, MD, PhD
The University of Texas MD Anderson Cancer Center

8:20 AM - 8:25 AM  
Discussion

8:25 AM - 8:40 AM  
*A Skeletal Stem Cell Directing Prostate Cancer Spine Metastases*
Matt Greenblatt, MD, PhD
Weill Cornell Medicine  
(*N/A post-meeting for On Demand*)

8:40 AM - 8:45 AM  
Discussion

8:45 AM - 9:00 AM  
*Uncovering Opportunities for Immune Targeting of Prostate Cancer Bone Metastases*
Belinda Parker, PhD
Peter MacCallum Cancer Centre, Australia

9:00 AM - 9:05 AM  
Discussion  
(*N/A post-meeting for On Demand*)
9:05 AM - 9:20 AM  **Role of Osteocytes in Prostate Cancer Bone Metastasis**  
Evan T. Keller, DVM, PhD  
University of Michigan  
(*N/A post-meeting for On Demand)

9:20 AM - 9:25 AM  **Discussion**

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**SPECIAL LECTURE**  
**9:25 AM - 9:40 AM**

*Transitioning from "Drug to Therapy Development Strategies" in Prostate Cancer*

Christopher Logothetis, MD  
The University of Texas MD Anderson Cancer Center

*Introduced by Ana Aparicio, MD  
The University of Texas MD Anderson Cancer Center*

9:40 AM - 9:45 AM  **Discussion**

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**Special Lecture**  
**9:45 AM - 10:00 AM**

*Implementation Science and How It Can Improve Prostate Cancer Outcomes: The PCF-ADEPT Program*

William K. Oh, MD  
Chief Medical Officer, Prostate Cancer Foundation

*Introduced by Charles J. Ryan, MD  
Prostate Cancer Foundation*

10:00 AM - 10:05 AM  **Discussion**
Friday, October 27, 2023

**SPECIAL LECTURE**
10:05 AM - 10:35 AM

*The Global Public Square of Prostate Cancer*

Charles J. Ryan, MD  
Prostate Cancer Foundation

*Introduced by Howard Soule, PhD*  
Prostate Cancer Foundation

10:35 AM - 10:40 AM  
Discussion

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**Session 6: The Contribution of Ancestry and Genomics to Prostate Cancer Disparities**
10:40 AM - 11:40 AM

**Moderator:** Vanessa Hayes, PhD  
The University of Sydney, Australia

10:40 AM - 10:55 AM  
*African-Specific Molecular Taxonomy of Prostate Cancer*  
Vanessa Hayes, PhD  
The University of Sydney, Australia

10:55 AM - 11:00 AM  
Discussion

11:00 AM - 11:15 AM  
*Biomarker Benchmarking across Ancestral Populations*  
Elio Adib, MD  
Brigham and Women's Hospital; Massachusetts General Hospital  
Amin H. Nassar, MD  
Yale New Haven Hospital

11:15 AM - 11:20 AM  
Discussion

11:20 AM - 11:35 AM  
*Lessons from Genomics and Health Disparities in Breast Cancer*  
Melissa Davis, PhD  
Morehouse School of Medicine

11:35 AM - 11:40 AM  
Discussion
Group Photo
11:40 AM - 11:50 AM
Location: Costa Del Sol Foyer

Lunch
11:50 AM - 12:40 PM
Location: Costa Del Sol Patio

12:40 PM - 12:50 PM Move to Session
Location: Costa Del Sol Ballroom

**PANEL: State of Clinical Therapy for Advanced Prostate Cancer**
12:50 PM - 1:35 PM
Moderator: Charles J. Ryan, MD
Prostate Cancer Foundation

Panelists:
Alok Tewari, MD, PhD (Dana-Farber Cancer Institute)
Ana Aparicio, MD (The University of Texas MD Anderson Cancer Center)
Angelo De Marzo, MD, PhD (The Johns Hopkins University School of Medicine)
Thomas Hope, MD (University of California, San Francisco)
David Jarrard, MD (University of Wisconsin)
Neha Vapiwala, MD (University of Pennsylvania)
**SPECIAL LECTURE**

1:40 PM - 1:55 PM

*Pathways to Entrepreneurship*

Robert Reiter, MD
University of California, Los Angeles

*Introduced by Howard Soule, PhD*
Prostate Cancer Foundation

1:55 PM - 2:00 PM

Discussion

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**Session 7: Progress in New Targets and Treatments for Prostate Cancer**

2:00 PM - 4:00 PM

**Moderator:** Howard Soule, PhD
Prostate Cancer Foundation

2:00 PM - 2:15 PM  
**ENZAp: A Randomised Phase II Trial using PSMA as a Therapeutic Agent and Imaging Biomarker in Men with Metastatic Castration-Resistant Prostate Cancer Treated with Enzalutamide (ANZUP 1901)**
Louise Emmett, MD
St Vincent’s Hospital Sydney, Australia

2:15 PM - 2:20 PM  
Discussion

2:20 PM - 2:35 PM  
**GPC3 as a Novel Therapeutic Target of Prostate Cancer**
Jiaoti Huang, MD, PhD
Duke University

2:35 PM - 2:40 PM  
Discussion

2:40 PM - 2:55 PM  
**Targeting CD40 to Stimulate Anti-Tumor Immunity in Prostate Cancer**
Matthew Dallos, MD
Memorial Sloan Kettering Cancer Center

2:55 PM - 3:00 PM  
Discussion

3:00 PM - 3:15 PM  
**PSMAfore: Phase III trial of PSMA-617 Lu-177 in Taxane-Naïve mCRPC Patients**
A. Oliver Sartor, MD
Mayo Clinic

(*N/A post-meeting for On Demand*)

3:15 PM - 3:20 PM  
Discussion
Friday, October 27, 2023

3:20 PM - 3:35 PM  
*Insights from B7-H3 Trials*  
Eugene Shenderov, MD, DPhil  
Johns Hopkins University  
(*N/A post-meeting for On Demand*)

3:35 PM - 3:40 PM  
Discussion

3:40 PM - 3:55 PM  
*Threading the Needle Between Efficacy and Toxicity with PSMAxCD28 T Cell Bispecific*  
Sumit Subudhi, MD, PhD  
The University of Texas MD Anderson Cancer Center

3:55 PM - 4:00 PM  
Discussion  
(*N/A post-meeting for On Demand*)

**Session 8: Prostate Cancer 3D Genomics**

4:00 PM - 5:00 PM  
Moderator: Ram Mani, PhD  
UT Southwestern Medical Center

4:00 PM - 4:15 PM  
*Prostate Cancer Transcriptomic Regulation by the Interplay of Germline Rsk Alleles, Somatic Mutations and 3D-Genomic Architecture*  
Ram Mani, PhD  
UT Southwestern Medical Center

4:15 PM - 4:20 PM  
Discussion

4:20 PM - 4:35 PM  
*New Insights on the Three-Dimensional Genome of Metastatic Prostate Cancer*  
Felix Feng, MD  
University of California, San Francisco

4:35 PM - 4:40 PM  
Discussion

4:40 PM - 4:55 PM  
*3D Epigenomics: Non-Coding but Functional Regions Linked to Prostate Cancer*  
Suhn Rhie, PhD  
University of Southern California  
(*N/A post-meeting for On Demand*)

4:55 PM - 5:00 PM  
Discussion

5:00 PM - 7:00 PM  
Break
Dinner, Awards Ceremony, and Special Lecture
7:00 PM - 10:00 PM

Location: Costa Del Sol Ballroom

PCF Awards Ceremony
7:45 PM - 10:00 PM

2023 PCF Young Investigator Awards
2022 PCF TACTICAL Awards
2023 PCF TACTICAL Award
2022 PCF Challenge Awards
2023 PCF Challenge Awards
Saturday, October 28, 2023

6:00 AM - 6:45 AM  Breakfast  
Location: Costa Del Sol Patio

6:45 AM - 7:00 AM  Move to Session

GENERAL SESSIONS  
Location: Costa Del Sol Ballroom

Session 9: Biology and Translational Applications of Tumor Extracellular Vesicles  
7:00 AM - 8:00 AM

Moderator: Dolores Di Vizio, MD, PhD  
Cedars-Sinai Medical Center

7:00 AM - 7:15 AM  The Biology of Prostate Cancer-Derived Extracellular Vesicles  
Dolores Di Vizio, MD, PhD  
Cedars-Sinai Medical Center

7:15 AM - 7:20 AM  Discussion

7:20 AM - 7:35 AM  Prostate Cancer-Derived Extracellular Vesicles as Biomarkers  
Johan Skog, PhD  
ExosomeDx, a Bio-Techne Brand

7:35 AM - 7:40 AM  Discussion

7:40 AM - 7:55 AM  The Role of Tumor Extracellular Vesicles in Promoting Aggressive Cancer Behaviors  
Alissa Weaver, MD, PhD  
Vanderbilt University School of Medicine

7:55 AM - 8:00 AM  Discussion

KEYNOTE ADDRESS  
8:00 AM - 9:00 AM  

Michael Milken  
Founder and Chairman  
Prostate Cancer Foundation

Introduced by Stuart Holden, MD  
Prostate Cancer Foundation
Saturday, October 28, 2023

**Session 10: Updates from PCF TACTICAL Awards Teams**
9:15 AM - 10:35 AM

**Moderator: Howard Soule, PhD**
Prostate Cancer Foundation

9:15 AM - 9:30 AM  
*Developing Engineered Cell Therapies for Metastatic Castrate-Resistant Prostate Cancer to Increase Efficacy and Decrease Toxicity*
Carl June, MD  
University of Pennsylvania  
Saul Priceman, PhD  
City of Hope

9:30 AM - 9:35 AM  
Discussion

9:35 AM - 9:50 AM  
*Novel Theranostic Agents for Neuroendocrine Prostate Cancer*
Jason Lewis, PhD  
Memorial Sloan Kettering Cancer Center

9:50 AM - 9:55 AM  
Discussion

9:55 AM - 10:10 AM  
*An Accelerated Platform using Lead-212 Targeted α-Particle Therapy to Radically Improve Cancer Lethality of Prostate Cancer Theranostics using Novel Targets and Better Understanding of Resistance: The Cancer Lethality Lead Collaboration*
Michael Hofman, MBBS  
Peter MacCallum Cancer Centre, Australia

10:10 AM - 10:15 AM  
Discussion

10:15 AM - 10:30 AM  
*Tactical Approaches to Repress Oncogenic Gene Expression in Prostatic Tumors (TARGET)*
Sarki Abdulkadir, MD, PhD  
Northwestern University  
(*N/A post-meeting for On Demand*)

10:30 AM - 10:35 AM  
Discussion
**SPECIAL LECTURE**

10:35 AM - 10:50 AM

*Novel Target Identification as a Bottleneck in Biotech Innovation: Implications for Academic Entrepreneurs*

Ahmed Alkhateeb, PhD
Sanofi

*Introduced by Howard Soule, PhD*
Prostate Cancer Foundation

10:50 AM - 10:55 AM Discussion

**Session 11: Molecular Glues & Binding Inhibitors: Novel Small Molecule Cell Therapy Platforms**

10:55 AM - 12:20 PM

**Moderator: Marco Gottardis, PhD**
Gottardisbiotech LLC

10:55 AM - 11:00 AM *Introduction*
Marco Gottardis, PhD
Gottardisbiotech LLC

11:00 AM - 11:15 AM *Drugging the Chromatin Regulatory System*
Steven Bellon, PhD
FOGHORN

11:15 AM - 11:20 AM *Discussion*

11:20 AM - 11:35 AM *A New Paradigm in Drugging Transcription Factors*
Robert Sims, PhD
FLARE

11:35 AM - 11:40 AM *Discussion*

11:40 AM - 11:55 AM *Hold and Kill: RIPTAC™ Therapeutics Present a Novel Mechanism to Conquer Prostate Cancer*
Kat Kayser-Bricker, PhD
Halda Therapeutics

11:55 AM - 12:00 PM *Discussion*
Saturday, October 28, 2023

12:00 PM - 12:15 PM  Development of PROTAC® AR Degraders in Advanced Prostate Cancer
Ron Peck, MD
Arvinas

12:15 PM - 12:20 PM  Discussion

Closing Remarks
12:20 PM - 12:25 PM
Howard Soule, PhD
Prostate Cancer Foundation
Andrea Miyahira, PhD
Prostate Cancer Foundation

Meeting Adjourned
** A boxed lunch will be provided **
Program Committee:

Program Committee Co-Chair: Howard Soule, PhD (Prostate Cancer Foundation)  
Program Committee Co-Chair: Andrea Miyahira, PhD (Prostate Cancer Foundation)

Francesca Demichelis, PhD (University of Trento, Italy)  
Dolores Di Vizio, PhD (Cedars-Sinai Medical Center)  
Thomas Fuchs, DSc (Icahn School of Medicine at Mount Sinai)  
Marco Gottardis, PhD (Gottardisbiotech LLC)  
David Goodrich, PhD (Roswell Park Comprehensive Cancer Center)  
Matt Greenblatt, MD, PhD (Weill Cornell Medicine)  
Vanessa Hayes, PhD (The University of Sydney, Australia)  
Rakesh Heer, MBBS, PhD (Newcastle University, UK)  
Salma Kaochar, PhD (Baylor College of Medicine)  
Brandon Mahal, MD (University of Miami)  
Ram Mani, PhD (UT Southwestern Medical Center)  
Charles J. Ryan, MD (Prostate Cancer Foundation)  
Alok Tewari, MD, PhD (Dana-Farber Cancer Institute)
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