26th Annual Prostate Cancer Foundation
Scientific Retreat

October 24 - 26, 2019

Omni La Costa Resort
Carlsbad, California
## AGENDA

**Thursday, October 24, 2019**

### GENERAL SESSIONS

**Location:** Costa Del Sol Ballroom

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Registration</td>
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<tr>
<td></td>
<td>Costa Del Sol Foyer</td>
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<tr>
<td>1:00 PM - 1:10 PM</td>
<td><strong>Welcome &amp; Introduction</strong></td>
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<tr>
<td></td>
<td>Howard Soule, PhD</td>
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<td>Prostate Cancer Foundation</td>
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<tr>
<td>1:10 PM - 1:50 PM</td>
<td><strong>Session 1: Population Science Studies to Inform Population and Patient Strategies to Reduce the Burden of Lethal Prostate Cancer</strong></td>
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<td>Moderator: Elizabeth Platz, ScD, MPH</td>
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<td>Johns Hopkins Bloomberg School of Public Health and the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins</td>
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<tr>
<td>1:10 PM - 1:25 PM</td>
<td><strong>Neighborhood Factors and Prostate Cancer Outcomes</strong></td>
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<td>Mindy C. DeRouen, PhD, MPH</td>
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<td></td>
<td>University of California, San Francisco</td>
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<tr>
<td>1:25 PM - 1:30 PM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>1:30 PM - 1:45 PM</td>
<td><strong>Exercise and Weight Management in the Supportive Care of Prostate Cancer Patients Undergoing Androgen Deprivation Therapy</strong></td>
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<td>Brian C. Focht, PhD, FACSM, CSCS</td>
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<td>The Ohio State University</td>
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<td>1:45 PM - 1:50 PM</td>
<td><strong>Discussion</strong></td>
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**Session 2: Immunotherapy for Prostate Cancer**

**1:50 PM - 3:20 PM**

**Moderator:** Charles Drake, MD, PhD  
Columbia University; NewYork-Presbyterian

1:50 PM - 1:55 PM  **Introduction**

1:55 PM - 2:10 PM  **The Biology and Therapeutic Impact of Targeting IL-23 in Prostate Cancer**  
Andrea Alimonti, MD  
Institute of Oncology Research, Switzerland

2:10 PM - 2:15 PM  **Discussion**

2:15 PM - 2:30 PM  **Precision Immunotherapy for CDK12-Biallelic Loss**  
Ajjai Alva, MBBS  
University of Michigan

2:30 PM - 2:35 PM  **Discussion**

2:35 PM - 2:55 PM  **Targeting Chronic cGAS-STING Signaling: A Novel Vulnerability in Chromosomally Unstable Tumors**  
Samuel Bakhoum, MD, PhD  
Memorial Sloan Kettering Cancer Center  
Eileen Parkes, MD, PhD  
University of Oxford, UK

2:55 PM - 3:00 PM  **Discussion**

3:00 PM - 3:15 PM  **Testosterone Effects on Innate Immunity; Implications for Combination Therapies**  
Samuel Denmeade, MD  
Johns Hopkins University  
Sushant Kachhap, PhD  
Johns Hopkins University

3:15 PM - 3:20 PM  **Discussion**
**Session 3: Novel Insights from Prostate Cancer Genomics**
**3:20 PM - 4:20 PM**

**Moderator:** Himisha Beltran, MD  
Harvard: Dana-Farber Cancer Institute

**3:20 PM - 3:35 PM**  
*Near-Mendelian Prostate Cancer Risk Variants of 8q24 and the HOXB Cluster*  
Jeffrey Smith, MD, PhD  
Vanderbilt University Medical Center

**3:35 PM - 3:40 PM**  
**Discussion**

**3:40 PM - 3:55 PM**  
*Circular RNA in Prostate Cancer*  
Housheng Hansen He, PhD  
Princess Margaret Cancer Centre, Canada

**3:55 PM - 4:00 PM**  
**Discussion**

**4:00 PM - 4:15 PM**  
*Insights from Integrated Whole-Genome, Whole-Transcriptome, and Whole-Methylome Sequencing of mCRPC*  
Shuang George Zhao, MD  
University of Michigan

**4:15 PM - 4:20 PM**  
**Discussion**

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**SPECIAL LECTURE**  
**4:20 PM - 4:35 PM**

*Cell Types of the Proximal Prostate are Enriched in Tumors, But Are They Progenitors?*  
Douglas Strand, PhD  
The University of Texas Southwestern Medical Center

*Introduced by Howard Soule, PhD*  
Prostate Cancer Foundation

**4:35 PM - 4:40 PM**  
**Discussion**

**4:40 PM - 4:45 PM**  
Break
PANEL DISCUSSION
4:45 PM - 5:45 PM

Point-Counter Point:
Is there a Biological Basis for Racial Disparities in Prostate Cancer?

Precision Policy

Moderator: Lorelei Mucci, ScD
Harvard T.H. Chan School of Public Health

Panelists:

Daniel George, MD (Duke University)

Susan Halabi, PhD (Duke University)

Brandon Mahal, MD (Harvard: Dana-Farber Cancer Institute)

Elizabeth Platz, MPH, ScD (Johns Hopkins Bloomberg School of Public Health and the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins)

Westley Sholes, MPA (Member, California Prostate Cancer Coalition)

Kosj Yamoah, MD, PhD (Moffitt Cancer Center)

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 Del Sol AB & Foyer
Friday, October 25, 2019

6:00 AM - 7:45 AM  Breakfast
Location: Costa Del Sol Patio

7:45 AM - 8:00 AM  Move to Session

GENERAL SESSIONS
Location: Costa Del Sol Ballroom

Session 4: Prostate Cancer Research in the VA
8:00 AM - 9:05 AM

Moderators:
Bruce Montgomery, MD
University of Washington; VA Puget Sound
Matthew Rettig, MD
University of California, Los Angeles; VA Greater Los Angeles Healthcare System

8:00 AM - 8:15 AM  VA/PCF Precision Oncology Program for Cancer of the Prostate: POPCAP
Bruce Montgomery, MD
University of Washington; VA Puget Sound
Matthew Rettig, MD
University of California, Los Angeles; VA Greater Los Angeles Healthcare System

8:15 AM - 8:20 AM  Discussion

8:20 AM - 8:40 AM  Special Lecture: Becoming a Great Partner in the Fight Against Prostate Cancer
Rachel Ramoni, DMD, ScD
Veterans Health Administration

8:40 AM - 8:45 AM  Discussion

8:45 AM - 9:00 AM  Immunotherapy Associated Cardiotoxicities: Of Mice and Men
Javid Moslehi, MD
Vanderbilt University Medical Center

9:00 AM - 9:05 AM  Discussion
SPECIAL LECTURE
9:05 AM - 9:20 AM

"STAMPEDE Trial: What Have We Learnt and Where Next?"

Nicholas James, MBBS, PhD
University Hospitals Birmingham, UK

Introduced by Silke Gillessen, MD
Istituto Oncologico della Svizzera Italiana (IOSI), Switzerland; University of Manchester, UK

9:20 AM - 9:25 AM
Discussion

SPECIAL LECTURE
9:25 AM - 9:45 AM

Molecular Stratification: PARP Inhibitors and Beyond

Johann de Bono, MD, PhD
Institute of Cancer Research; Royal Marsden NHS Foundation Trust, UK

Introduced by Joaquin Mateo, MD, PhD
Vall Hebron Institute of Oncology, Spain

9:45 AM - 9:50 AM
Discussion
DR. ANDREW HRUSZKEWYCZ, MD, PHD, MEMORIAL LECTURE
9:50 AM - 10:05 AM

DR. ANDREW HRUSZKEWYCZ: A Selfless Life

William Dahut, MD
National Cancer Institute

Introduced by Howard Soule, PhD
Prostate Cancer Foundation

10:05 AM - 10:10 AM
Discussion

SPECIAL LECTURE
10:10 AM - 10:40 AM

State of the Science 2019

Jonathan W. Simons, MD
Prostate Cancer Foundation

Introduced by Howard Soule, PhD
Prostate Cancer Foundation

10:40 AM - 10:45 AM
Discussion
KEYNOTE ADDRESS
10:45 AM - 11:45 AM

Michael Milken
Founder and Chairman
Prostate Cancer Foundation

Introduced by Stuart Holden, MD
Prostate Cancer Foundation

Group Photo
11:45 AM - 12:00 PM

Location: Costa Del Sol Foyer

Lunch
12:00 PM - 12:45 PM

Location: Costa Del Sol Patio

12:45 PM - 1:00 PM  Move to Session 5

Location: Costa Del Sol Ballroom
Friday, October 25, 2019

**SPECIAL LECTURE**
1:00 PM - 1:15 PM

*Therapeutic Strategies Exploiting Synergies in Merkel Cell Carcinoma and Neuroendocrine Prostate Cancer*

Paul Nghiem, MD, PhD  
University of Washington

*Introduced by Peter Nelson, MD*  
Fred Hutchinson Cancer Research Center

1:15 PM - 1:20 PM
Discussion

**Session 5: Treatment Associated Small Cell/Neuroendocrine Prostate Cancer (t-SCNC) and Lineage Plasticity**
1:20 PM - 2:40 PM

*Moderator: Eric Small, MD*  
University of California, San Francisco

1:20 PM - 1:35 PM  
*Treatment-Associated Small Cell/Neuroendocrine Prostate Cancer: Defining the Syndrome*  
Eric Small, MD  
University of California, San Francisco

1:35 PM - 1:40 PM  
Discussion

1:40 PM - 1:55 PM  
*The Genomic Characterization of Treatment-Induced Small Cell Neuroendocrine Prostate Cancer*  
Himisha Beltran, MD  
Harvard: Dana-Farber Cancer Institute

1:55 PM - 2:00 PM  
Discussion

2:00 PM - 2:15 PM  
*Lineage Plasticity in Advanced Prostate Cancer: How Many Lineages? And How Plastic Are They?*  
Peter Nelson, MD  
Fred Hutchinson Cancer Research Center

2:15 PM - 2:20 PM  
Discussion
Friday, October 25, 2019

2:20 PM - 2:35 PM  Emerging Therapeutic Strategies for Aggressive Variant Prostate Cancers  
Ana Aparicio, MD  
University of Texas MD Anderson Cancer Center

2:35 PM - 2:40 PM  Discussion

SPECIAL LECTURE  
2:40 PM - 2:55 PM

Real World Validation of Deep Learning Algorithms in the Assessment of Metastasis by Medical Imaging of Veterans with Prostate Cancer

Matthew Rettig, MD  
University of California, Los Angeles; VA Greater Los Angeles Healthcare System
Nicholas Nickols, MD, PhD  
University of California, Los Angeles; VA Greater Los Angeles Healthcare System

Introduced by Kenneth Pienta, MD  
Johns Hopkins University

2:55 PM - 3:00 PM  Discussion

SPECIAL LECTURE  
3:00 PM - 3:10 PM

The PSMA Walled Garden: Access for PCF Researchers to DCFPyL Images, Clinical Data and AI Tools to Accelerate Prostate Cancer AI Research

Mark R. Baker  
Progenics Pharmaceuticals

Introduced by Nicholas Nickols, MD, PhD  
University of California, Los Angeles; VA Greater Los Angeles Healthcare System

3:10 PM - 3:15 PM  Discussion
Session 6: New Drugs and Targets in Prostate Cancer: I
3:15 PM - 4:15 PM

Moderator: Karen Knudsen, MBA, PhD
Thomas Jefferson University

3:15 PM - 3:30 PM Targeting Oncogenic Transcription Factor Signaling Through p300/CBP
Karen Knudsen, MBA, PhD
Thomas Jefferson University

3:30 PM - 3:35 PM Discussion

3:35 PM - 3:50 PM FGFR-Inhibition in Double Negative Prostate Cancer: Rationale and Future Directions
Michael Schweizer, MD
University of Washington

3:50 PM - 3:55 PM Discussion

3:55 PM - 4:10 PM Glutamine Metabolism as a Therapeutic Target in Prostate Cancer
Richard Lee, MD, PhD
Harvard: Massachusetts General Hospital

4:10 PM - 4:15 PM Discussion
Dinner, Awards Ceremony, and Special Lecture
7:00 PM - 10:00 PM

Location: Costa Del Sol Ballroom

SPECIAL LECTURE:

Accelerating Medical Product During a Crisis:
Lessons from Ebola Outbreaks and Addressing Future Threats:

8:00 PM - 8:20 PM
Matthew Hepburn, MD
Product Lead, Enabling Biotechnologies, U.S. Department of Defense

Introduced by: Howard Soule, PhD
Prostate Cancer Foundation

PCF Awards Ceremony
8:40 PM - 10:00 PM

2019 PCF Young Investigator Awards

2019 PCF VAlor Precision Oncology Center of Excellence Awards

2019 Movember Foundation-PCF Challenge Awards

MOVEMBER®

2018 PCF Challenge Awards

2019 PCF Challenge Awards
6:00 AM - 7:15 AM  
**Breakfast**
Location: Costa Del Sol Patio

7:15 AM - 7:30 AM  
**Move to Session**

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

**Session 7: New Drugs and Targets in Prostate Cancer: II**  
7:30 AM - 8:30 AM

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

7:30 AM - 7:45 AM  
**Targeting the WNT5A Receptor ROR1 in Prostate Cancer**  
Christina Jamieson, PhD  
University of California, San Diego

7:45 AM - 7:50 AM  
**Discussion**

7:50 AM - 8:05 AM  
**Targeting Androgen Receptor and ACK1 Signaling with Novel Epigenetic Therapeutics (R)-9b in Castration-Resistant Prostate Cancer**  
Nupam Mahajan, PhD  
Washington University

8:05 AM - 8:10 AM  
**Discussion**

8:10 AM - 8:25 AM  
**BXCL701, An Orally Available Innate Immune Activator, in Combination with Pembrolizumab for Patients with NEPC (NEPC; SCPC)**  
Vincent O’Neill, MD  
Bioxcel Therapeutics

8:25 AM - 8:30 AM  
**Discussion**
Saturday, October 26, 2019

Session 8: AI and Machine Learning in Cancer Research and Development
8:30 AM - 9:55 AM
Moderator: Marco Gottardis, PhD
Janssen Research & Development, LLC

8:30 AM - 8:35 AM
Introduction

8:35 AM - 8:50 AM
Multi-Modal Learning for AI and IA: Applications to Prostate Cancer
Ganapati Srinivasa
Omics Data Automation, Inc.
Anthony Chang, PhD
Founder/CEO, BAMF Health

8:50 AM - 8:55 AM
Discussion

8:55 AM - 9:10 AM
Synthesis of Biomedical Knowledge and Triangulation of Clinico-Omics Data Sets Over the inference Platform for Prostate Cancer R&D Efforts
Venky Soundararajan, PhD
nference and Qrativ: Mayo Clinic JV

9:10 AM - 9:15 AM
Discussion

9:15 AM - 9:30 AM
The First Clinical-Grade AI for Prostate Cancer Detection: Impact on Pathologists and Patients
Thomas Fuchs, Dr. Sc.
Paige

9:30 AM - 9:35 AM
Discussion

9:35 AM - 9:50 AM
Artificial Intelligence at Concerto HealthAI
Francois Charest, PhD
Concerto HealthAI

9:50 AM - 9:55 AM
Discussion

Session 9: Attacking Prostate Cancer with T-Cell Engagers and Antibody-Drug Conjugates
9:55 AM - 11:15 AM

Moderator: Hosein Kouros-Mehr, MD, PhD
Amgen

9:55 AM - 10:10 AM
STEAP1 as a Therapeutic and Diagnostic Target in Prostate Cancer
Daniel Danila, MD
Memorial Sloan Kettering Cancer Center

10:10 AM - 10:15 AM
Discussion
10:15 AM - 10:30 AM  **CD46 as a Novel Target in Metastatic Castration Resistant Prostate Cancer**  
Rahul Aggarwal, MD  
University of California, San Francisco

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

10:35 AM - 10:50 AM  **Phase 1 Trial of HPN424: A half-life extended, PSMA/CD3-specific TriTAC**  
Natalie Sacks, MD  
Harpoon Therapeutics

10:50 AM - 10:55 AM  **Discussion**

10:55 AM - 11:10 AM  **Bispecific T-Cell Engager Immune Therapies for the Treatment of Prostate Cancer**  
Hosein Kouros-Mehr, MD, PhD  
Amgen

11:10 AM - 11:15 AM  **Discussion**

**Closing Remarks**  
11:15 AM - 11:25 AM  
Howard Soule, PhD  
Prostate Cancer Foundation  
Jonathan W. Simons, MD  
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)

Jonathan W. Simons, MD (Prostate Cancer Foundation)
Marco Gottardis, PhD (Janssen Research & Development, LLC)
Hosein Kouros-Mehr, MD, PhD (Amgen)
Lorelei Mucci, ScD (Harvard T.H. Chan School of Public Health)
Elizabeth Platz, MPH, ScD (Johns Hopkins Bloomberg School of Public Health and the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins)
Eric Small, MD (University of California, San Francisco)
We deeply thank our Retreat supporters for providing funding for this educational initiative.