25th Annual Prostate Cancer Foundation
Scientific Retreat

October 26 - 28, 2018

Omni La Costa Resort
Carlsbad, California
### AGENDA
**Friday, October 26, 2018**

**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>
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<td>Costa Del Sol Foyer</td>
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<tr>
<td>2:00 PM - 2:10 PM</td>
<td><strong>Welcome &amp; Introduction</strong></td>
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<td>Howard Soule, PhD</td>
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<td>Prostate Cancer Foundation</td>
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#### Session 1: Neuronal Control of Prostate Cancer Progression
2:10 PM - 3:30 PM

**Moderator:** Paul Frenette, MD  
Albert Einstein College of Medicine

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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>2:10 PM - 2:25 PM</td>
<td><strong>Adrenergic Nerves Activate an Angio-Metabolic Switch in Prostate Cancer</strong></td>
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<td>Paul Frenette, MD</td>
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<td>Albert Einstein College of Medicine</td>
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<td>2:25 PM - 2:30 PM</td>
<td><strong>Discussion</strong></td>
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<td>2:30 PM - 2:45 PM</td>
<td><strong>Influence of the Neural Microenvironment on Prostate Cancer</strong></td>
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<td>Michael Ittmann, MD</td>
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<td>Baylor College of Medicine</td>
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<td>2:45 PM - 2:50 PM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>2:50 PM - 3:05 PM</td>
<td><strong>Neural Control of Cancer</strong></td>
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<td>Patrick Mantyh, PhD</td>
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<td>The University of Arizona Cancer Center</td>
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<td>3:05 PM - 3:10 PM</td>
<td><strong>Discussion</strong></td>
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3:10 PM - 3:25 PM  
**Sympathetic Nerves, Stress and Anti-Cancer Immunity**  
Elizabeth Repasky, PhD  
Roswell Park Comprehensive Cancer Center  
Discussion

**Session 2: Steroid Receptors in Advanced Prostate Cancer: New Approaches to an Old Target**  
3:30 PM - 5:15 PM

- **Moderator:** Andrew Armstrong, MD, ScM  
  Duke University

3:30 PM - 3:50 PM  
**SPECIAL LECTURE: If We Knew 20 Years Ago What We Know Now, Would We Have Targeted the Androgen Signaling Pathway in Prostate Cancer Differently?**  
Donald McDonnell, PhD  
Duke University School of Medicine  
Discussion

3:55 PM - 4:10 PM  
**Moving Beyond the Androgen Receptor: Targeting Transcriptional Coregulators for the Treatment of Castration-Resistant Prostate Cancer**  
Salma Kaochar, PhD  
Baylor College of Medicine  
Discussion

4:10 PM - 4:15 PM  
Discussion

4:15 PM - 4:30 PM  
**Surprising Aspects of Androgen and Glucocorticoid Receptor Crosstalk Revealed by Selective Receptor Antagonism**  
Suzanne Conzen, MD  
University of Chicago  
Discussion

4:30 PM - 4:35 PM  
Discussion

4:35 PM - 4:50 PM  
**The PROPHECY Study: AR-V7, Tumor Heterogeneity, and Hormonal Resistance in Metastatic Prostate Cancer**  
Andrew Armstrong, MD, ScM  
Duke University  
Discussion

4:50 PM - 4:55 PM  
Discussion

4:55 PM - 5:10 PM  
**In the Thicket of an Aberrant Genome: Interpreting the Role of AR-V7**  
Jun Luo, PhD  
Johns Hopkins University  
Discussion

5:10 PM - 5:15 PM  
Discussion
Session 3: PSMA-Targeted Theranostics for Prostate Cancer
5:15 PM - 6:20 PM
Moderator: Scott Tagawa, MD
Weill Cornell Medicine

5:15 PM - 5:35 PM SPECIAL LECTURE: PSMA Theranostics: Latest Evidence-Base, Promise and Uncertainties
Michael Hofman, MBBS
Peter MacCallum Cancer Centre, Australia

5:35 PM - 5:40 PM Discussion

5:40 PM - 5:55 PM Elucidating Mechanisms of Effectiveness and Resistance to PSMA Targeted RadioLigand Therapy (RLT) using $^{177}$Lu-PSMA-617
Jeremie Calais, MD
University of California, Los Angeles

5:55 PM - 6:00 PM Discussion

6:00 PM - 6:15 PM Optimization of PSMA-Targeted Radionuclide Therapy
Scott Tagawa, MD
Weill Cornell Medicine

6:15 PM - 6:20 PM Discussion

SPECIAL LECTURE
6:20 PM - 6:35 PM

Results from TRITON2: Treatment of mCRPC with Rucaparib

Alan Bryce, MD
Mayo Clinic

Introduced by Charles Ryan, MD
University of Minnesota

6:35 PM - 6:40 PM Discussion
**Dinner**
7:00 PM - 8:00 PM

*Dinner Location: Costa Del Sol Patio*

**Poster Session and Dessert**
8:00 PM - 10:30 PM

*Poster Session and Dessert Location: Costa Del Sol AB & Foyer*
Saturday, October 27, 2018

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

PANEL DISCUSSION
8:00 AM – 9:00 AM

Principles and Practice (Challenges) of 2018 Precision Oncology in Advanced Prostate Cancer 4 Nano CPCs: CDK12-/-, BRCA2-/-, AKT-1E17K, and SLC43-BRAF Fusion

Introduction: Jonathan W. Simons, MD
Prostate Cancer Foundation

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

Panelists:

Ajjai Alva, MD (University of Michigan)
Bruce Montgomery, MD (University of Washington; VA Puget Sound)
Vaibhav Patel, MD (Icahn School of Medicine at Mount Sinai Hospital)
Matthew Rettig, MD (University of California, Los Angeles)
Gerhardt Attard, MD, PhD (University College London Cancer Institute, UK)

9:00 AM - 9:05 AM  Break
**SPECIAL LECTURE**  
9:05 AM - 9:20 AM  

**VALor Awards and VA Center of Excellence Update**  

Bruce Montgomery, MD  
University of Washington; VA Puget Sound  

Matthew Rettig, MD  
University of California, Los Angeles  

*Introduced by Jonathan W. Simons, MD*  
Prostate Cancer Foundation  

9:20 AM - 9:25 AM  
Discussion  

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**SPECIAL LECTURE**  
9:25 AM - 9:55 AM  

**The Evolving Landscape of Life-Prolonging Treatments for Advanced Prostate Cancer: The New World Order**  

Maha Hussain, MD, FACP, FASCO  
Robert H. Lurie Comprehensive Cancer Center Northwestern University  

*Introduced by Felix Feng, MD*  
University of California, San Francisco  

9:55 AM - 10:00 AM  
Discussion
**SPECIAL LECTURE**  
10:00 AM - 10:40 AM

*State of the Science 2018*

Jonathan W. Simons, MD  
Prostate Cancer Foundation

*Introduced by Howard Soule, PhD*  
Prostate Cancer Foundation

10:40 AM - 10:45 AM  
Discussion

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**SPECIAL RECOGNITION OF NOBEL PRIZE**  
10:45 AM - 10:55 AM

James Allison, PhD  
The University of Texas MD Anderson Cancer Center  
2018 Nobel Prize in Medicine

Padmanee Sharma, MD, PhD  
The University of Texas MD Anderson Cancer Center

*Introduced by Howard Soule, PhD*  
Prostate Cancer Foundation
KEYNOTE ADDRESS
10:55 AM - 11:55 AM

Michael Milken
Founder and Chairman
Prostate Cancer Foundation

Introduced by Stuart Holden, MD
Prostate Cancer Foundation

Group Photo
11:55 AM - 12:10 PM

Location: Costa Del Sol Foyer

Lunch
12:10 PM - 12:50 PM

Location: Costa Del Sol Patio

12:50 PM - 1:00 PM Move to Session 4

Location: Costa Del Sol Ballroom

Session 4: New Insights into the Biology and Role of Prostate Cancer Stem Cells
1:00 PM - 2:20 PM

Moderator: Rakesh Heer, MBBS, PhD
Newcastle University, UK

1:00 PM - 1:15 PM Inflammation, Aging and Prostate Progenitor Cells
Andrew Goldstein, PhD
University of California, Los Angeles

1:15 PM - 1:20 PM Discussion
1:20 PM - 1:35 PM  *Multipotent Basal Stem Cells, Maintained in Localized Proximal Niches, Support Directed Long-Ranging Epithelial Flows in Human Prostates*
Rakesh Heer, MBBS, PhD
Newcastle University, UK

1:35 PM - 1:40 PM  Discussion

1:40 PM - 1:55 PM  *Cellular Plasticity and the Neuroendocrine Phenotype in Prostate Cancer*
Amina Zoubeidi, PhD
Vancouver Prostate Centre

1:55 PM - 2:00 PM  Discussion

2:00 PM - 2:15 PM  *Organoids as a New Model System for Cancer Research*
Benedetta Artegiani, PhD
Hubrecht Institute, Netherlands

2:15 PM - 2:20 PM  Discussion

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**SPECIAL LECTURE**
2:20 PM - 2:35 PM

*Canine and Machine Olfaction in Human Prostate Cancer Diagnosis*

Claire Guest, HonDSc
Medical Detection Dogs

Andreas Mershin, PhD
Massachusetts Institute of Technology

*Introduced by Thomas Johnson*
Prostate Cancer Foundation

2:35 PM – 2:40 PM  Discussion
Session 5: Ecology of Prostate Cancer
2:40 PM - 3:40 PM
Moderator: Kenneth Pienta, MD
Johns Hopkins University

2:40 PM - 2:55 PM The Changing Primary Tumor Environment – Why an Invasive Species Migrates
Kenneth Pienta, MD
Johns Hopkins University
2:55 PM - 3:00 PM Discussion

3:00 PM - 3:15 PM Resistance is Not Inevitable – Lessons from Pest Management
Christopher Whelan, PhD
The Moffitt Cancer Center; University of Illinois at Chicago
3:15 PM - 3:20 PM Discussion

3:20 PM - 3:35 PM Cancer Therapy, Adapting to Change the Game
Robert Gatenby, MD
The Moffitt Cancer Center
3:35 PM - 3:40 PM Discussion

Session 6: Racial Disparities in Prostate Cancer Treatment and Outcomes: Biology or Access to Care
3:40 PM - 5:00 PM
Moderator: Susan Halabi, PhD
Duke University

3:40 PM - 3:55 PM Impact of Black Race on Prostate Cancer-Specific and Other-Cause Mortality
Daniel Spratt, MD
University of Michigan
3:55 PM - 4:00 PM Discussion

4:00 PM - 4:15 PM Clinical Outcomes between Black and White Men with Metastatic Castration Resistant Prostate Cancer
Susan Halabi, PhD
Duke University
4:15 PM - 4:20 PM Discussion
Saturday, October 27, 2018

4:20 PM - 4:35 PM  
**Sipuleucel-T in African American Men: Updated Overall Survival Analysis**
Oliver Sartor, MD  
Laborde Professor for Cancer Research, Tulane Medical School

4:35 PM - 4:40 PM  
Discussion

4:40 PM - 4:55 PM  
**Metastatic Prostate Cancer Outcomes from National Data on Veterans Treated with Abiraterone and Enzalutamide**
Tito Fojo, MD, PhD  
Columbia University; James J Peter VA Cancer Center

4:55 PM - 5:00 PM  
Discussion
Dinner, Awards Ceremony, and Dinner Speaker
7:00 PM - 10:00 PM

Location: Costa Del Sol Ballroom

DINNER SPEAKER
8:00 PM - 8:20 PM

Eric Topol, MD
Scripps Research

Introduced by: Eric Klein, MD
Cleveland Clinic Foundation

PCF AWARDS CEREMONY
8:45 PM - 9:30 PM

2018 PCF Young Investigator Awards

2018 PCF VAlor Precision Oncology Center of Excellence Awards

2018 Movember Foundation-PCF Challenge Awards

MOVEMBER® FOUNDATION

2018 PCF Challenge Awards

2017 PCF Challenge Awards
Sunday, October 28, 2018

6:00 AM - 7:30 AM  Breakfast  
Location: Costa Del Sol Patio

7:30 AM - 7:45 AM  Move to Session

GENERAL SESSIONS  
Location: Costa Del Sol Ballroom

SPECIAL LECTURE  
7:45 AM - 7:55 AM

ESMO Hot Points

Silke Gillessen, MD  
University of Manchester, UK

Introduced by Howard Soule, PhD  
Prostate Cancer Foundation

7:55 AM - 8:00 AM  
Discussion

Session 7: Translational Research on WNT Signaling in Normal and Tumor Cell Biology  
8:00 AM - 9:20 AM

Moderator: Steven Balk, MD, PhD  
Harvard: Beth Israel Deaconess Medical Center

8:00 AM - 8:15 AM  WNT Signaling in the Development of the Prostate  
Gail Prins, PhD  
University of Illinois

8:15 AM - 8:20 AM  Discussion

8:20 AM - 8:35 AM  WNT/β-Catenin Signaling in Prostate Cancer Progression  
Rachana Patel, PhD  
Beatson Institute for Cancer Research, UK

8:35 AM - 8:40 AM  Discussion
8:40 AM - 8:55 AM  
**WNT Signaling Targets in ADT Resistant CRPC**  
Xin Yuan, MD, PhD  
Harvard: Beth Israel Deaconess Medical Center

8:55 AM - 9:00 AM  
Discussion

9:00 AM - 9:15 AM  
**APC Modulation of Therapy Resistance in Breast Cancer**  
Jenifer Prosperi, PhD  
University of Notre Dame

9:15 AM - 9:20 AM  
Discussion

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**SPECIAL LECTURE**  
9:20 AM - 9:35 AM

**Movember Foundation Global Prostate Cancer Landscape Analysis**

Mark Buzza, PhD  
Movember Foundation

*Introduced by Howard Soule, PhD*  
Prostate Cancer Foundation

9:35 AM - 9:40 AM  
Discussion

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**Session 8: Unlocking Innate Immunity for Cancer Therapeutics**  
9:40 AM - 11:15 AM

**Moderator: Marco Gottardis, PhD**  
Janssen Research & Development, LLC

9:40 AM - 9:45 AM  
**Introduction**  
Marco Gottardis, PhD  
Janssen Research & Development, LLC

9:45 AM - 10:00 AM  
**Improving NK Cell Immunotherapy for Cancer**  
Martin Felices, PhD  
University of Minnesota

10:00 AM - 10:05 AM  
Discussion
10:05 AM - 10:20 AM  **NK Cell Therapeutics and Possible Implications for Treatment of Prostate Cancer**  
James Trager, PhD  
NKARTA Therapeutics

10:20 AM - 10:25 AM  **Discussion**

10:25 AM - 10:40 AM  **CARISMA: Development of a Macrophage-Based Cancer Therapy**  
Michael Klichinsky, PharmD  
CARISMA Therapeutics; University of Pennsylvania

10:40 AM - 10:45 AM  **Discussion**

10:45 AM - 11:00 AM  **Neutrophil Based Cancer Therapeutics**  
Alex Blyth  
CEO, LIfT BioSciences Ltd

11:00 AM - 11:05 AM  **Discussion**

**Closing Remarks**  
**11:05 AM - 11:15 AM**  
Howard Soule, PhD  
Prostate Cancer Foundation  
Jonathan W. Simons, MD  
Prostate Cancer Foundation

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**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)
Andrew Armstrong, MD, ScM (Duke University)
Steven Balk, MD, PhD (Harvard: Beth Israel Deaconess Medical Center)
Paul Frenette, MD (Albert Einstein College of Medicine)
Marco Gottardis, PhD (Janssen Research & Development, LLC)
Susan Halabi, PhD (Duke University)
Rakesh Heer, MBBS, PhD (Newcastle University, UK)
Kenneth Pienta, MD (Johns Hopkins University)
We deeply thank our Retreat supporters for providing funding for this educational initiative.