24th Annual Prostate Cancer Foundation
Scientific Retreat

October 5 - 7, 2017

Omni Shoreham Hotel
Washington D.C.
AGENDA
Thursday, October 5, 2017

GENERAL SESSIONS
Location: Regency Ballroom

8:00 AM  Registration  West Registration Desk

Welcome & Introduction
2:00 PM - 2:10 PM
Howard Soule, PhD
Prostate Cancer Foundation

Session 1: Cell Cycle Dysregulation: Implications for Progression, Plasticity, and Management
2:10 PM - 3:10 PM

Moderator: Karen Knudsen, PhD
Thomas Jefferson University

2:10 PM - 2:25 PM  Linking RB/p53 Dysfunction to Prostate Cancer Plasticity and Anti-Androgen Resistance
David Goodrich, PhD
Roswell Park Cancer Institute

2:25 PM - 2:30 PM  Discussion

2:30 PM - 2:45 PM  RB Pathway Dysregulation: Mechanisms and Clinical Observations
Karen Knudsen, PhD
Thomas Jefferson University

2:45 PM - 2:50 PM  Discussion
Thursday, October 5, 2017

2:50 PM - 3:05 PM  
**CDK4/6 Inhibitors: Learning from Experiences in Breast Cancer, Other Solid Tumors, and Hematologic Malignancies**  
Geoffrey Shapiro, MD, PhD  
Harvard: Dana-Farber Cancer Institute

3:05 PM - 3:10 PM  
Discussion

---

**Session 2: Precision Medicine and Targeted Therapies**  
3:10 PM - 4:45 PM

Moderator: Wassim Abida, MD, PhD  
Memorial Sloan Kettering Cancer Center

---

**SPECIAL LECTURE**  
3:10 PM - 3:40 PM

*Defining the Actionable Genome*  
David Solit, MD  
Memorial Sloan Kettering Cancer Center

3:40 PM - 3:45 PM  
Discussion

---

3:45 PM - 4:00 PM  
**Finding Exceptional Responders to Targeted Therapy Using Genomics**  
Louis Staudt, MD, PhD  
National Cancer Institute

4:00 PM - 4:05 PM  
Discussion

4:05 PM - 4:20 PM  
**Liquid Biopsy Analyses for Detection and Characterization of Human Cancer**  
Victor Velculescu, MD, PhD  
Johns Hopkins University

4:20 PM - 4:25 PM  
Discussion

4:25 PM - 4:40 PM  
**Genomics in Clinical Care of Cancer Patients: Lessons Learned**  
Vincent Miller, MD  
Foundation Medicine

4:40 PM - 4:45 PM  
Discussion
**Session 3: 3D Genomics: The Interface of Genomics, Epigenetics, and Cancer Biology**

4:45 PM - 5:45 PM

**Moderator: Ram Mani, PhD**  
The University of Texas Southwestern Medical Center

4:45 PM - 5:00 PM  
**3D Genome Organization & Transcription Regulation in Cancer Cells**  
Yijun Ruan, PhD  
The Jackson Laboratory for Genomic Medicine

5:00 PM - 5:05 PM  
Discussion

5:05 PM - 5:20 PM  
**Enhancer Mediated Transcriptional Dysregulation in Prostate Cancer**  
Ram Mani, PhD  
The University of Texas Southwestern Medical Center

5:20 PM - 5:25 PM  
Discussion

5:25 PM - 5:40 PM  
**Three-Dimensional Genetic and Epigenetic Disorganisation of the Prostate Cancer Genome**  
Susan Clark, PhD  
Garvan Institute of Medical Research, Australia

5:40 PM - 5:45 PM  
Discussion

---

**Session 4: Making Immunotherapy Work in Prostate Cancer**

5:45 PM - 7:10 PM

**Moderator: James Gulley, MD, PhD**  
National Cancer Institute

5:45 PM - 5:50 PM  
**Introduction**  
James Gulley, MD, PhD  
National Cancer Institute

5:50 PM - 6:05 PM  
**The Immunological Effects of Epigenetic Agents in Prostate Cancer**  
Charles Drake, MD, PhD  
Columbia University Medical Center

6:05 PM - 6:10 PM  
Discussion

6:10 PM - 6:25 PM  
**Promising Immune Checkpoint Inhibitor Combination Studies in Prostate Cancer**  
Ravi Madan, MD  
National Cancer Institute

6:25 PM - 6:30 PM  
Discussion
Thursday, October 5, 2017

6:30 PM - 6:45 PM  STING-Dependant Innate Immune Signaling and Cancer Immunotherapy
Glen Barber, PhD
University of Miami Miller School of Medicine

6:45 PM - 6:50 PM  Discussion

6:50 PM - 7:05 PM  PSMA-Targeted CAR T Cells: Results from the First Patients
Carl June, MD
University of Pennsylvania, Abramson Cancer Center
Naomi Haas, MD
University of Pennsylvania, Abramson Cancer Center

7:05 PM - 7:10 PM  Discussion

Dinner
7:30 PM - 8:30 PM

Dinner Location: Palladian & Diplomat Ballrooms

Poster Session and Dessert
8:30 PM - 11:00 PM

Poster Session and Dessert Location: Ambassador Ballroom & Bird Cage Walk
6:30 AM - 7:30 AM  Breakfast  Palladian & Empire Ballrooms

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

GENERAL SESSIONS
Location: Regency Ballroom

SPECIAL LECTURE
7:45 AM - 8:00 AM

Integrated Tumor and Host Profiling in mCRPC: Updates in Single CTC, Tumor Heterogeneity, & T Cell Profiling

Ryan Dittamore
Epic Sciences

Introduced by Howard Scher, MD
Memorial Sloan Kettering Cancer Center

8:00 AM – 8:05 AM
Discussion
**Friday, October 6, 2017**

---

**SPECIAL LECTURE**
8:05 AM - 8:20 AM

*Where are Disseminated Tumor Cells (DTCs) Hiding at the Time of Radical Prostatectomy?*

Kenneth Pienta, MD
Johns Hopkins University

*Introduced by Howard Soule, PhD*
Prostate Cancer Foundation

8:20 AM – 8:25 AM
Discussion

---

**Session 5: DNA Damage Repair**
8:25 AM - 9:45 AM

Moderator: Heather Cheng, MD, PhD
University of Washington

---

**SPECIAL LECTURE**
8:25 AM - 9:00 AM

*Finally! Genetic Analysis of Inherited Predisposition to Prostate Cancer*

Mary-Claire King, PhD
University of Washington

9:00 AM – 9:05 AM
Discussion

9:05 AM - 9:20 AM  *Processes of DNA Damage in Localized Prostate Cancer*
Paul Boutros, PhD
Ontario Institute for Cancer Research

9:20 AM - 9:25 AM  Discussion
9:25 AM - 9:40 AM  Implementing Germline Genetics into Prostate Cancer Clinical Care
Heather Cheng, MD, PhD
University of Washington

9:40 AM - 9:45 AM  Discussion

---

SPECIAL LECTURE
9:45 AM – 10:15 AM

State of the Science 2017

Jonathan Simons, MD
Prostate Cancer Foundation

Introduced by Howard Soule, PhD
Prostate Cancer Foundation

10:15 AM - 10:20 AM  Discussion

---

SPECIAL ADDRESS
10:20 AM – 10:40 AM

The Honorable David Shulkin, MD
Secretary of Veterans Affairs (VA)

Introduced by Jonathan Simons, MD
Prostate Cancer Foundation
KEYNOTE ADDRESS
10:40 AM - 11:40 AM

Michael Milken
Founder and Chairman
Prostate Cancer Foundation

Introduced by Stuart Holden, MD
University of California, Los Angeles

Group Photo
11:40 AM - 11:50 AM

Lunch
11:50 AM - 12:50 PM

Location: Palladian & Empire Ballrooms

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

Regency Ballroom
**SPECIAL LECTURE**
1:00 PM - 1:30 PM

**ER Stress: Remodeling the Tumor Microenvironment**

Laurie Glimcher, MD
Harvard: Dana-Farber Cancer Institute

*Introduced by Lorelei Mucci, ScD*
Harvard T.H. Chan School of Public Health; Dana-Farber/Harvard Cancer Center

1:30 PM - 1:35 PM
Discussion

---

**Session 6: PSMA Imaging and Radioligand Therapy**
1:35 PM - 2:35 PM

**Moderator:** Scott Tagawa, MD
Weill Cornell Medical College

1:35 PM - 1:50 PM  
**Targeting PSMA with Antibodies and Antibody Forms**
Steven Larson, MD
Memorial Sloan Kettering Cancer Center

1:50 PM - 1:55 PM  
Discussion

1:55 PM - 2:10 PM  
**Low Molecular Weight PSMA-Based Imaging**
Steve Cho, MD
University of Wisconsin - Madison

2:10 PM - 2:15 PM  
Discussion

2:15 PM - 2:30 PM  
**PSMA Targeted Radionuclide Therapy for Prostate Cancer**
Scott Tagawa, MD
Weill Cornell Medical College

2:30 PM - 2:35 PM  
Discussion
Session 7: Meeting Reports
2:35 PM - 3:35 PM
Moderator: Howard Soule, PhD
Prostate Cancer Foundation

2:35 PM - 2:45 PM  Second Bi-Annual Strategy Meeting to Accelerate Progress in the Understanding and Treatment of Prostate Cancer; Athens, Greece 2017
Christopher Logothetis, MD
The University of Texas MD Anderson Cancer Center

2:45 PM - 2:50 PM  Discussion

2:50 PM - 3:00 PM  MARS2: Androgen Receptor Splice Variants Update
Ganesh Raj, MD, PhD
The University of Texas Southwestern Medical Center at Dallas

3:00 PM - 3:05 PM  Discussion

3:05 PM - 3:15 PM  Report from the 2017 Coffey-Holden Prostate Cancer Academy Meeting, Beyond the Androgen Receptor II: New Approaches to Understanding and Treating Metastatic Prostate Cancer
Heather Cheng, MD, PhD
University of Washington

3:15 PM - 3:20 PM  Discussion

3:20 PM - 3:30 PM  Overview of the 2017 Advanced Prostate Cancer Consensus Conference (APCCC2017)
Silke Gillessen, MD
Kantonsspital, Switzerland

3:30 PM - 3:35 PM  Discussion

3:35 PM - 3:40 PM  Break
Session 8: Potential Applications of Artificial Intelligence in Prostate Cancer
3:40 PM - 5:00 PM

Moderators:
Peter Choyke, MD
National Cancer Institute
Adam Dicker, MD, PhD
Thomas Jefferson University

3:40 PM - 3:55 PM  Machine Learning Methods for Automated MRI Imaging in Prostate Cancer
Ronald Summers, MD, PhD
National Institutes of Health

3:55 PM - 4:10 PM  Machine Learning and Bioinformatics Applied to Pathology
Andrew Beck, MD, PhD
Path AI

4:10 PM - 4:25 PM  Integrating Imaging and Pathologic/Genomic/Biomarker Data Using Machine Learning Methods
Anant Madabhushi, PhD
Case Western Reserve University

4:25 PM - 4:40 PM  Computational Pathology
Thomas Fuchs, PhD
Memorial Sloan Kettering Cancer Center

4:40 PM - 5:00 PM  Panel Discussion
Dinner, Awards and Dinner Speaker
7:15 PM - 10:00 PM

Location: Regency Ballroom

DINNER SPEAKER
7:45 PM - 8:05 PM

Douglas Lowy, MD
Acting Director, National Cancer Institute

PCF AWARDS CEREMONY
8:30 PM - 9:15 PM

2017 PCF Young Investigator Awards

2017 The Movember Foundation-PCF Challenge Awards

2017 PCF Challenge Awards

2016 PCF Challenge Awards
Saturday, October 7, 2017

6:15 AM - 7:15 AM  Breakfast  Palladian Ballroom

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

GENERAL SESSIONS
Location:  Regency Ballroom

Interview with a Prostate Cancer Patient: The Journey of Medical Care

7:30 AM - 8:00 AM

William Dahut, MD
National Cancer Institute

Introduced by Howard Soule, PhD
Prostate Cancer Foundation

8:00 AM - 8:05 AM  Break

Session 9: Recent advances in Genetically Engineered Mouse Models (GEMMs) of Lethal Prostate Cancer
8:05 AM - 9:05 AM

Moderator: Cory Abate-Shen, PhD
Columbia University Medical Center

8:05 AM - 8:20 AM  Synthetic Essentiality: Targeting Cancer-Specific Vulnerabilities
Ronald DePinho, MD
The University of Texas MD Anderson Cancer Center

8:20 AM - 8:25 AM  Discussion

8:25 AM - 8:40 AM  Lineage Plasticity as a New Mechanism for Drug Resistance
Cory Abate-Shen, PhD
Columbia University Medical Center

8:40 AM - 8:45 AM  Discussion
8:45 AM - 9:00 AM  **Genetics & Metabolic Requirements for Metastatic Prostate Cancer**  
Pier Paolo Pandolfi, MD, PhD  
Beth Israel Deaconess Medical Center; Harvard Medical School

9:00 AM - 9:05 AM  Discussion

---

**Session 10: New Platforms to Attack Undruggable Targets**  
9:05 AM – 10:55 AM

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

9:05 AM - 9:15 AM  **Introduction**  
Marco Gottardis, PhD  
Janssen Research & Development, LLC

9:15 AM - 9:30 AM  **STING Pathway Activation to Enhance Cancer Immunity**  
Andrea van Elsas, PhD  
ADURO Biotech, Inc.

9:30 AM - 9:35 AM  **Discussion**

9:35 AM – 9:50 AM  **T-Stealth Oncolytic Immunotherapy for Solid Tumors**  
Matthew Mulvey, PhD  
BeneVir Biopharm, Inc.

9:50 AM - 9:55 AM  **Discussion**

9:55 AM - 10:10 AM  **Neoantigen Approaches as Cancer Therapeutics**  
Richard Gaynor, MD  
Neon Therapeutics, Inc.

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

10:15 AM - 10:30 AM  **Novel mRNA Cancer Immunotherapies**  
Robert Jabulowsky, PhD  
BioNTech AG

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

10:35 AM – 10:50 AM  **The Pentarin Miniature Drug Conjugate PEN-221 Selectively Targets the Somatostatin Receptor SSTR2 that is Over Expressed in Neuroendocrine Cancers**  
Richard Wooster, PhD  
Tarveda Therapeutics, Inc.

10:50 AM - 10:55 AM  **Discussion**
SPECIAL LECTURE
10:55 AM - 11:10 AM

**IronMan —**
*An International Registry of Men with Advanced Prostate Cancer*

Philip Kantoff, MD
Ironman Executive Committee
Memorial Sloan Kettering Cancer Center

*Introduced by Lorelei Mucci, ScD*
Harvard T.H. Chan School of Public Health; Dana-Farber/Harvard Cancer Center

11:10 AM - 11:15 AM
Discussion

---

SPECIAL LECTURE
11:15 AM - 11:25 AM

**A Call to Action:**
*Towards a Prostate Cancer Disparities & Health Equity Program*

Franklin Huang, MD, PhD
Harvard: Dana-Farber Cancer Institute

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

11:25 AM - 11:30 AM
Discussion
**SPECIAL LECTURE**
11:30 AM - 11:50 AM

*Long Noncoding RNAs:*
*The Bright Side of the Genomic Dark Matter*

Felix Feng, MD  
University of California, San Francisco

*Introduced by Franklin Huang, MD, PhD*  
Harvard: Dana-Farber Cancer Institute

11:50 AM - 11:55 AM  
Discussion

**Meeting Adjourned**

**A boxed lunch will be provided in Palladian**
Program Committee:

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

Cory Abate-Shen, PhD (Columbia University)
Wassim Abida, MD, PhD (Memorial Sloan Kettering Cancer Center)
Heather Cheng, MD, PhD (University of Washington)
Peter Choyke, MD (National Cancer Institute)
Adam Dicker, MD, PhD (Thomas Jefferson University)
Marco Gottardis, PhD (Janssen Research & Development, LLC)
James Gulley, MD, PhD (National Cancer Institute)
Scott Tagawa, MD (Weill Cornell Medical College)
Karen Knudsen, PhD (Thomas Jefferson University)
Ram Mani, PhD (The University of Texas Southwestern Medical Center)
We thank our Retreat supporters for providing funding for this educational initiative.