24th Annual Prostate Cancer Foundation
Scientific Retreat

October 5 - 7, 2017

Omni Shoreham Hotel
Washington D.C.
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
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 - 7:05 PM

Moderator: James Gulley, MD, PhD  
National Cancer Institute

5:45 PM - 6:00 PM  
The Immunological Effects of Epigenetic Agents in Prostate Cancer  
Charles Drake, MD, PhD  
Columbia University Medical Center

6:00 PM - 6:05 PM  
Discussion

6:05 PM - 6:20 PM  
Promising Immune Checkpoint Inhibitor Combination Studies in Prostate Cancer  
Ravi Madan, MD  
National Cancer Institute

6:20 PM - 6:25 PM  
Discussion
Thursday, October 5, 2017

6:25 PM - 6:40 PM  **STING-Dependant Innate Immune Signaling and Cancer Immunotherapy**  
Glen Barber, PhD  
University of Miami Miller School of Medicine

6:40 PM - 6:45 PM  **Discussion**

6:45 PM - 7:00 PM  **PSMA-Targeted CAR T Cells: Results from the First Patients**  
Carl June, MD  
University of Pennsylvania

7:00 PM - 7:05 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*
Friday, October 6, 2017

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 - 10:35 AM  

State of the Science 2017  

Jonathan Simons, MD  
Prostate Cancer Foundation  

Introduced by Howard Soule, PhD  
Prostate Cancer Foundation  

10:35 AM - 10:40 AM  Discussion  

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
Friday, October 6, 2017

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
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
Saturday, October 7, 2017

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.