

# THE SECOND GLOBAL SUMMIT ON PRECISION DIAGNOSIS FOR PROSTATE CANCER CARE

October 13-14, 2017, Sheraton Boston, MA

## FRIDAY, OCTOBER 13

**8:00 AM INTRODUCTION AND STATEMENT OF PURPOSE:**  
Faina Shtern, MD, President and CEO, AdMeTech Foundation

**8:10 AM SESSION I. STATE OF THE ART IN PROSTATE CANCER CARE:**  
*Current and Potential Impact of Precision Diagnostics on Precision Care*

### Moderators:

Hedvig Hricak, MD, PhD, Carroll and Milton Petrie Chair, Department of Radiology, Memorial Sloan Kettering Cancer Center

Adam Kibel, MD, Elliot Carr Cutler Professor of Surgery, Harvard Medical School; and Chief of Urology, Brigham and Women's Hospital and Dana Farber Cancer Institute

Peter Nelson, MD, Endowed Chair for Prostate Cancer, Fred Hutchison Cancer Research Center and Professor of Oncology, University of Washington

8:10 am *Screening*  
Sigrid Carlsson, MD, PHD, MPH, Assistant Attending Epidemiologist, Department of Surgery (Urology Service), Memorial Sloan Kettering Cancer Center and Associate Professor of Experimental Urology, Sahlgrenska Academy, Gothenburg University, Sweden

8:25 am Q & A

8:30 am *Keynote Address: Radiology Perspective and Radiomics*  
Hedvig Hricak, MD, PhD

8:45 am Q & A

8:50 am *Urology Perspective on Baseline PSA and Early Detection of Prostate Cancer Guidelines of the National Comprehensive Cancer Network (NCCN)*  
Adam Kibel, MD

9:05 am *Urology Perspective on Low-Risk Prostate Cancer – and the Emerging Impact of In Vitro Diagnostics, In Vivo Imaging and Radiogenomics*  
Peter Pinto, MD, Head of Prostate Cancer Section, Urologic Oncology Branch, Center for Cancer Research, National Cancer Institute, National Institutes of Health

9:20 am Q & A

9:25 am *Radiation Oncology Perspective on High-Risk and Recurrent Prostate Cancer – and the Emerging Role of Molecular Diagnostics, Imaging and Radiogenomics*  
Alan Pollack, MD, PhD, Professor and Chairman of Radiation Oncology, University of Miami Miller School of Medicine

9:40 am *Keynote Address: Medical Oncology Perspective on Precision Diagnosis and Liquid Biopsy of Advanced Prostate Cancer*  
David Nanus, MD, Mark W. Pasmantier Professor and Chief, Hematology and Oncology, New York-Presbyterian, and Director of Genitourinary Oncology, Weill Cornell Medicine

9:55 am Q & A

**10:00 am Coffee Break**

- 10:20 am *Pathology Perspective*
- 10:20 am *Anatomic Pathology:*  
Thomas Wheeler, MD, Chairman and Professor of Pathology, Baylor College of Medicine
- 10:35 am *Molecular Pathology:*  
Angelo DeMarzo, MD, PhD, Associate Professor of Pathology, Urology, Oncology, Johns Hopkins University School of Medicine
- 10:50 am Q & A

**10:55 AM SESSION II. INCREASING BENEFITS AND REDUCING RISKS OF SCREENING WITH NOVEL DIAGNOSTIC APPROACHES:  
*Improving Risk Assessment, Patient Selection for Biopsies and Tissue Sampling Prior to Diagnosis of Prostate Cancer***

**Moderators:**

Richard Babayan, MD, Professor of Surgery and Chairman of Urology, Boston University Medical School

Sigrid Carlsson, MD, PhD, MPH

- 10:55 am *Emerging Fluid-Based Molecular Diagnostics*  
Francesca Demichelis, PhD, Associate Professor and Head of Computational Oncology Laboratory, Centre for Integrative Biology, University of Trento, Italy
- 11:10 am *Liquid Biopsies: Definition and Clinical Utility*  
Michael Donovan, MD, PhD, Professor of Pathology, Mount Sinai Medical Center
- 11:25 am Q & A
- 11:30 am *Advanced Ultrasound*  
Sangeet Ghai, MD, Associate Professor, Department of Medical Imaging, University of Toronto, Canada
- 11:45 am *Multi-Parametric MRI and Multi-Modality Image Fusion: Emerging Data and Role of PI-RADS*  
Peter Choyke, MD, Director, Molecular Imaging, Center for Cancer Research, National Cancer Institute, National Institutes of Health
- 12:00 pm Q & A
- 12:05 pm *In Vitro Diagnostics – and their Integration with In Vivo Imaging*  
Sanoj Punnen, MD, Assistant Professor of Surgery, University of Miami Miller School of Medicine
- 12:20 pm Q & A
- 12:30 pm Lunch Break**
- 1:30 pm *Session II (Cont.) Panel on Risk Assessment Prior to Diagnosis of Prostate Cancer*  
Moderators, Speakers
- Minhaj Siddiqui, MD, Assistant Professor of Surgery and Chief of Urologic Oncology, University of Maryland
  - Preston Sprenkle, MD, Assistant Professor of Surgery, Yale University School of Medicine; and Member, NCCN Prostate Cancer Early Detection Panel
  - Stephen Zappala, MD, Assistant Clinical Professor of Urology, Tufts University School of Medicine

**2:00 PM SESSION III. DIAGNOSTIC ASSESSMENT OF MEN WITH PROVEN PROSTATE CANCER:**

## ***Improving Prediction of Progression, Staging and Patient Selection for Treatment***

### **Moderators:**

Peter Pinto, MD

Alan Pollack, MD

Clare Tempany, MD, Ferenc Jolesz MD Professor of Radiology, Harvard Medical School and Vice Chair for Radiology Research, Brigham and Women's Hospital

### **2:00 pm      *In Vivo Imaging and Radiomics***

- 2:00 pm      *Multi-Modality Imaging and Tumor Heterogeneity*  
Baris Turkbey, MD, Associate Research Physician, Molecular Imaging Program, National Cancer Institute
- 2:15 pm      *Molecular Imaging*  
Mehrddad Alemozaffar, MD, Assistant Professor of Urology, Emory University School of Medicine
- 2:30 pm      Q & A
- 2:35 pm      *Radiomics/Quantitative Imaging and Active Surveillance*  
Masoom Haider, MD, Professor and Radiologist-in-Chief, Sunnybrook Health Sciences Center, University of Toronto, Canada
- 2:50 pm      Q & A

### **2:55 pm      *Tissue-Based Genomics and Phenotypic Biomarkers***

- 2:55 pm      *Pathology Perspective*  
Angelo DeMarzo, MD, PhD
- 3:10 pm      Q & A
- 3:15 pm      *Public Health Perspective*  
Jennifer Rider, ScD, MPH, Assistant Professor, Department of Epidemiology, Boston University School of Public Health
- 3:30 pm      Q & A
- 3:35 pm      *Urology Perspective: Live-Single-Cell Phenotypic Biomarkers and Precision Oncology*  
David Albala, MD, Chief of Urology, Crouse Hospital in Syracuse, New York; and Medical Director for Associated Medical Professionals
- 3:50 pm      Q & A

### **3:55 pm -      *Coffee Break***

### **4:15 pm      *Radiogenomics: Emerging and Future Impact on Patient Evaluation, Treatment Selection and Monitoring***

- 4:15 pm      *Immediate Treatment* - Minhaj Siddiqui, MD
- 4:30 pm      *Active Surveillance* - Sanoj Punnen, MD
- 4:45 pm      *Focal Treatment* - Peter Pinto, MD

### **5:00 pm –      *Panel on Diagnostic Evaluation of Men with Proven Prostate Cancer***

- 6:00 pm** Speakers, Moderators, Panel Members and -
- Nicolas Bloch, MD, Chief of MRI and Associate Professor of Radiology, Boston University Medical Center;
  - Michael Donovan, MD;
  - Mukesh Harisinghani, MD, Director of Abdominal MRI, Massachusetts General Hospital and Professor of Radiology, Harvard Medical School;
  - Susan Noworolski, PhD, Associate Professor, Department of Radiology, UCSF; and
  - Amita Shukla-Dave, PhD, Deputy Service Chief for Predictive Informatics and Director, Quantitative Imaging, Memorial Sloan Kettering Cancer Center
  - Srinivas Vourganti, MD, [Urologic Oncologist and Assistant Professor, Rush University Medical Center](#)

**7:00 pm - 9:30 pm** **Dinner Reception, Poster Competition and Industry Leadership Session on Innovation**

- 7:30 pm David Gauden, PhD, Chief Scientific Officer, Blue Earth Diagnostics, United Kingdom
- 7:40 pm Heinrich Von Busch, PhD, Product Owner, Artificial Intelligence for Oncology Imaging, Siemens Healthineers, Germany
- 7:55 pm Antoine Leroy, PhD, President, Koelis, France
- 8:00 pm Brian Liu, PhD, Medical Science Liaison-Urology, Myriad, USA
- 8:05 pm Randall Jones, D.E. (PhD, MBA), Founder and CEO, ScanMed, USA
- 8:10 pm Jason Polzin, PhD, General Manager, GE MR Applications Segment
- 8:15 pm Jerrold Wen, VP for Engineering, Exact Imaging, Canada
- 8:20 pm Bela Denes, MD, Senior Director, Medical Affairs Urology, Genomic Health

**8:25 pm - 9:30 pm** **Poster Session and Announcement of the Competition Winners**

**SATURDAY, OCTOBER 14, 2017**

**8 AM** **SESSION IV: PRECISION DIAGNOSTICS AND EMERGING ROLE OF FOCAL TREATMENT: *Patient Selection, Monitoring and Outcomes***

Jason Efstathiou, MD, D.Phil., Associate Professor, Harvard Medical School & Director, Genitourinary Division, Massachusetts General Hospital

Mitchell Sokoloff, MD, Professor and Chair of Urology, University of Massachusetts School of Medicine

8:00 am *Radiology Perspective: Precision Imaging and Focal Treatment*  
Clare Tempny, MD, Ferenc Jolesz MD Professor of Radiology, Harvard Medical School and Vice Chair for Radiology Research, Brigham and Women's Hospital

8:15 am Q & A

8:20 am *Overview of Laser Treatment*  
Aytekin Oto, MD, MBA, Professor of Radiology and Surgery, Section Chief, Abdominal Imaging; Director, Body MR Imaging, University of Chicago Medical Center

8:35 am *Overview of Cryoablation and Focused Ultrasound*  
Jurgen Futterer, MD, PhD, Interventional Radiologist, Nijmegen Medical Center and Professor, University of Twente, The Netherlands

8:50: am Q & A

**8:55 AM      SESSION V: PRECISION ONCOLOGY AND ADVANCED PROSTATE CANCER**

Michael Morris, MD, Medical Oncologist, Memorial Sloan Kettering Cancer Center

Angelo DeMarzo, MD, PhD

- 8:55 am      *Overview*  
Wassim Abida, MD, PhD, Staff Oncologist, Memorial Sloan Kettering Cancer Center
- 9:10 am      Q & A
- 9:15 am      *Germline Mutations and Germline Testing in Advanced Prostate Cancer*  
Peter Nelson, MD
- 9:30 am      Q & A
- 9:35 am      *DNA Damage Repair and its Impact on Clinical Therapy*  
Michael Morris, MD
- 9:50 am      Q & A
- 9:55 am      *Genomic Testing*  
Adam Feldman, MD, MPH, Assistant Professor and Director, Combined Harvard Urologic Oncology Fellowship, Harvard Medical School and Assistant in Urology, Massachusetts General Hospital
- 10:10 am      Q & A
- 10:15 am-  
10:35 am**      **Coffee Break**
- 10:35 am      *Molecular Imaging, Nuclear Medicine and PET*
- 10:35 am      *Overview*  
Heather Jacene, MD, Assistant Professor of Radiology and Associate Program Director, Brigham and Women's Joint Program in Nuclear Medicine, Harvard Medical School
- 10:50 am      *PSMA Imaging: Current and Potential Role in Patient Care*  
Steven Rowe, MD, PhD, Assistant Professor of Radiology, Johns Hopkins University School of Medicine
- 11:05 am      *Experience with PSMA PET at UCSF*  
Thomas Hope, MD, Assistant Professor in Residence in the Abdominal Imaging and Nuclear Medicine, Department of Radiology, University of California, San Francisco
- 11:20 am      Q & A
- 11:25 am      *Amino Acid Imaging for Recurrent Prostate Cancer*  
Ashesh B. Jani, MD, MSEE, Professor, Department of Radiation Oncology, Emory University
- 11:40 am      *Multi-Modality Imaging in Recurrent and Advanced Disease*  
Peter Choyke, MD
- 11:55 am      Q & A

- 12:00 pm      *Advanced Prostate Cancer Panel Discussion*  
Moderators, Speakers and -
- Daniel Margolis, MD, Assistant Professor of Radiology, Weill Cornell Medical College; and
  - Antonio Westphalen, MD, Associate Professor of Radiology and Biomedical Imaging, UCSF School of Medicine

**12:30 – 1:15 PM      Lunch**

**1:15 pm – 2 pm      SUMMARY PANEL DISCUSSION:**  
***Expediting Transfer of Promising Technologies from Laboratories to Clinics***

**Session Chairs:** Mark Buzza, PhD, MBA, Director, Global Biomedical Research Programs, Movember Foundation, Australia and Faina Shtern, MD

1:15 pm      *Perspective from Movember: Identifying and Filling Clinical Gaps and Needs*  
Mark Buzza, PhD, MBA

1:25 pm      *Perspective from the USA Vice President Joe Biden’s Cancer Moonshot Initiative: National Priorities and Infrastructure, Regulatory and Reimbursement Policy*

1:25 pm - Richard Frank, MD, Chief Medical Officer, Siemens Healthineers, USA  
1:35 pm – *Comments: Peter Choyke, MD and Minhaj Siddiqui, MD*

1:40 pm      *NCCN Clinical Guidelines for Early Detection of Prostate Cancer*  
Preston Sprenkle, MD

1:50 pm      *Perspective from AdMeTech: Integration of Research, Medical Education, Public Awareness and Advocacy for Changing Standards of Prostate Cancer Care*  
Faina Shtern, MD

**2 PM                      ADJOURN**