AACR Cancer Prevention Summit

Shaping the Future of Cancer Prevention: A Roadmap for Integrative Cancer Science and Public Health

February 3-5, 2016 • Lansdowne Resort, Leesburg, VA

MEETING PROGRAM
General Session Location: Lansdowne Ballrooms AB

SUMMIT CO-CHAIRPERSONS
Ernest T. Hawk, MD, MPH  
The University of Texas MD Anderson Cancer Center, Houston, TX
Scott M. Lippman, MD  
University of California, San Diego Moores Cancer Center, La Jolla, CA

Day One: Wednesday, February 3, 2016

7:00-7:30am  
Breakfast (Lansdowne Ballroom C)

7:30-8:00am  
Remarks from the NCI
Douglas R. Lowy, MD, FAACR  
National Cancer Institute, Bethesda, MD

8:00-8:05am  
Lead Supporter Welcome
Powel Brown, MD, PhD (On behalf of Susan G. Komen Foundation)  
The University of Texas MD Anderson Cancer Center, Houston, TX

8:05-8:15am  
Overview of AACR’s Role in Cancer Prevention
Scott M. Lippman, MD  
University of California, San Diego Moores Cancer Center, La Jolla, CA

AACR Cancer Prevention Summit
Shaping the Future of Cancer Prevention: A Roadmap for Integrative Cancer Science and Public Health
Meeting Program
Keynote Lecture: Vision for the Future of Cancer Prevention

Elizabeth H. Blackburn, PhD, FAACR
Salk Institute, La Jolla, CA

State of the Science

Scott M. Lippman, MD
University of California, San Diego Moores Cancer Center, La Jolla, CA

Review of Summit Program, Goals, and Objectives

Meeting Goals and Objectives:
1. Review the state of cancer prevention science and current challenges and opportunities
2. Identify top priorities and future research directions for cancer screening, early detection, and cancer intervention
3. Determine the best way to organize AACR’s support of the cancer prevention scientific community through communications, meetings, journals, education, and training
4. Discuss how AACR can best serve the public by advancing public policy, public education, and services in cancer prevention and early detection
5. Identify how best to collaborate with relevant sectors to advance cancer prevention on a national and international level

Morning Break

Session One: Basic Science of Premalignancy and Prevention

Session Chair/Rapporteur: Cory Abate-Shen, PhD (Columbia)

(9:25-9:45am): Nancy Hopkins, PhD (MIT)
“The Future of Cancer: From Treatment to Prevention”

(9:45-10:05am): J. Silvio Gutkind, PhD (UCSD)
“Basic Science of Premalignancy: Opportunities for Precision Cancer Prevention”

(10:05-10:25am): Alberto Bardelli, PhD (IRCC)
“Can we prevent tumor evolution?”
Session Two: Molecular Epidemiology, Cancer Genetics, and Predisposition Genes

Session Chair/Rapporteur: Timothy R. Rebbeck, PhD (Harvard)

(10:45-11:10am): Judy E. Garber, MD, MPH, FAACR (DFCI)
“Genomics of Cancer Risk and Prevention”

(11:10-11:35am): Cornelia M. Ulrich, MS, PhD (Utah)
“Using Genetics and Metabolomics to Advance Precision Prevention”

(11:35am-12:00pm): Timothy R. Rebbeck, PhD (Harvard)
“Precision Prevention of Cancer: From Nucleotide to Neighborhood”

Lunch (Lansdowne Ballroom C)

Session Three: Cancer in Minority Populations and Cancer Health Disparities

Session Chair/Rapporteur: Maria Elena Martinez, PhD, MPH (UCSD)

(12:45-1:10pm): Electra D. Paskett, PhD, MPH (Ohio State)
“Multi-level Approaches to Addressing Cancer Disparities”

(1:10-1:35am): Worta McCaskill-Stevens, MD, MS (NCI)
“Cancer Disparities: Lessons Learned to Inform Future Cancer Prevention Research”

(1:35-2:00pm): Amelie G. Ramirez, DrPH (UT San Antonio)
“Is Current and Future Science Widening the Gap in Health Disparities?”

Session Four: Dissemination and Implementation Science

Session Chair: Graham A. Colditz, MD, DrPH, MPH (Wash U)

Session Rapporteur: Ernest T. Hawk, MD, MPH (MDACC)
3:15-3:30pm  Afternoon Break

3:30-4:45pm  Session Five: Energy Balance, Chronic Inflammation, and the Microbiome

Session Chair/Rapporteur: Andrew J. Dannenberg, MD (Cornell)

(3:30-3:55pm): Michael N. Pollak, MD (McGill)
“Energy balance, metabolism, and cancer prevention”

(3:55-4:20pm): Giorgio Trinchieri, MD (NCI)
“Modulating chronic inflammation and the microbiota for cancer prevention and therapy”

(4:20-4:45pm): Lee W. Jones, PhD (MSKCC)
“A Translational Approach to the Development of Exercise Treatment in Cancer Prevention”

4:45-6:00pm  Session Six: Clinical Epidemiology, Lifestyle, and Environmental Risk Factors

Session Chair/Rapporteur: Thomas W. Kensler, PhD (PITT)

(4:45-5:10pm): Stephen S. Hecht, PhD (Minnesota)
“Two Topics: Tobacco Control and Dietary Chemoprevention”

(5:10-5:35pm): Hashem B. El-Serag, MD, MPH (Baylor)
“Chemoprevention Using Antiviral Treatments: The Case of Hepatocellular Carcinoma”

(5:35-6:00pm): Melinda L. Irwin, PhD (Yale)
“Lifestyle Risk Factors and Cancer Prevention”
Day One Adjournment

Reception and Dinner *(Terrace Ballroom)*

**Day Two: Thursday, February 4, 2016**

**7:00-7:30am**
**Breakfast (Lansdowne Ballroom C)**

**7:30-8:45am**
**Session Seven: Cancer Interception**

Session Co-Chairs/Rapporteurs: William N. Hait, MD, PhD, FAACR (Janssen)/Eva Szabo, MD (NCI)

(7:30-7:55am): Victoria Seewaldt, MD (COH)  
“Precancerous Lesions: Timing and Biology”

(7:55-8:20am): Powel Brown, MD, PhD (MDACC)  
“Targeting Early Oncogenic Drivers”

(8:20-8:45am): Eva Szabo, MD (NCI)  
“Cancer Prevention Drug Development: Challenges and Opportunities”

**8:45-10:00am**
**Session Eight: HPV-related Cancers and Vaccines**

Session Chair: Nancy E. Davidson, MD (PITT)

Session Co-Chairperson/Rapporteur: Anna R. Giuliano, PhD (Moffitt)

(8:45-9:10am): Maura L. Gillison, MD, PhD (Ohio State)  
“HPV and Head and Neck Cancer”

(9:10-9:35am): John T. Schiller, PhD (NCI)  

(9:35-10:00am): Anna R. Giuliano, PhD (Moffitt)  
“Prevention of HPV-Related Cancers”

**10:00-10:15am**
**Morning Break**
10:15-11:30am **Session Nine: Non-viral Vaccines and Immunoprevention**

Session Chair/Rapporteur: Mary L. Disis, MD (Washington)

(10:15-10:40am): Olivera J. Finn, PhD (PITT)

(10:40-11:05am): Elizabeth M. Jaffee, MD (JHMI)
“Vaccines targeting early non-viral driver genes to prevent cancer”

(11:05-11:30am): Adriana Albini, PhD (Fondazione MultiMedica Onlus, Milan)
“Immunoprevention: The tumor microenvironment as target”

11:30 am-12:45pm **Session Ten: Precision Cancer Prevention**

Session Chair/Rapporteur: Raymond N. DuBois, MD, PhD, FAACR (ASU)

(11:30-11:55am): Waun Ki Hong, MD, FAACR (MDACC)
“Biology Based Cancer Interception”

(11:55am-12:20pm): Andrew T. Chan, MD, MPH (MGH)
“Precision Chemoprevention with Aspirin”

(12:20-12:45pm): N. Jewel Samadder, MD (Huntsman)
“Precision Cancer Prevention: Hereditary Polyposis Syndromes”

12:45-1:30pm **Lunch (Lansdowne Ballroom C)**

1:30-2:45pm **Session Eleven: Precision Molecular Diagnostics**

Session Chair/Rapporteur: Paul Limburg, MD, MPH (Mayo)

(1:30-1:55pm): Avrum Spira, MD, MSc (Boston)
“Leveraging the ‘field effect’ for precision molecular diagnostics: Opportunities and Challenges”

(1:55-2:20pm): David Sidransky, MD (JHMI)
“Identification and clinical detection of genetic alterations of pre-neoplastic lesions Time for the PML’ome?”

(2:20-2:45pm): Brian J. Reid, MD, PhD (FHCC)
“Neoplastic evolution in space and time: How cancer thwarts our attempts at control”

2:45-4:00pm  
**Session Twelve: Biomarkers, Early Detection, and Screening**

Session Chair/Rapporteur: Barnett Kramer, MD, MPH (NCI)

(2:45-3:10pm): Barnett Kramer, MD, MPH (NCI)  
“Biomarkers, Early Detection, and Screening”

(3:10-3:35pm): Anirban Maitra, MBBS (MDACC)  
“Pancreatic Cancer Imprecision Medicine”

(3:35-4:00pm): Ruth D. Etzioni, PhD (FHCC)  
“Opportunities in Early Detection Research and Screening Policy Development”

4:00-4:05pm  
**Group Photo** (*Waterfall Terrace*)

4:05-4:15pm  
**Afternoon Break**

4:15-5:30pm  
**Session Thirteen: Survivorship and Energetics**

Session Chair/Rapporteur: Kathryn H. Schmitz, PhD, MPH (UPENN)

(4:15-4:40pm): Kathryn H. Schmitz, PhD, MPH (UPENN)  
“Exercise After Cancer”

(4:40-5:05pm): Chanita Hughes Halbert, PhD (USC)  
“Behavioral Science Perspectives on Cancer Survivorship”

(5:05-5:30pm): Ruth E. Patterson, PhD (UCSD)  
“Diet and Cancer Survivorship”

5:30-6:45pm  
**Session Fourteen: Quantitative Sciences**

Session Chair/Rapporteur: J. Jack Lee, DDS, PhD (MDACC)

(5:30-5:55pm): Stephen J. Chanock, MD (NCI)  
“The Complexity of Susceptibility to Cancer”

(5:55-6:20pm): Paul A. Scheet, PhD (MDACC)
“Quantitative Challenges in Cancer Prevention: Multidisciplinary Opportunities”
(6:20-6:45pm): Jennifer E. Beane, PhD (Boston)
“Computational Challenges and Opportunities in the Era of the Pre-Cancer Genome Atlas”

6:45pm
Day Two Adjournment

7:15pm
Reception and Dinner (Terrace Ballroom)

Day Three: Friday, February 5, 2016

7:00-7:30am
Breakfast (Lansdowne Ballroom C)

7:30-9:00am
**Rapporteur Scientific Session Summary Reports – Part I

Session One (7:30-7:45am): Basic Science of Premalignancy and Prevention
Rapporteur: Cory Abate-Shen, PhD (Columbia)

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Rapporteur: Timothy R. Rebbeck, PhD (Harvard)

Session Three (8:00-8:15am): Cancer in Minority Populations and Cancer Health Disparities
Rapporteur: Maria Elena Martinez, PhD, MPH (UCSD)

Session Four (8:15-8:30am): Dissemination and Implementation Science
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Session Five (8:30-8:45am): Energy Balance, Chronic Inflammation, and the Microbiome
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Session Seven (9:00-9:15am): Cancer Interception
Rapporteurs: William N. Hait, MD, PhD, FAACR (Janssen)/Eva Szabo, MD (NCI)

Session Eight (9:15-9:30am): HPV-related Cancers and Vaccines
Rapporteur: Anna R. Giuliano, PhD (Moffitt)

9:30-9:45am  Morning Break

9:45-11:15am  Rapporteur Scientific Session Summary Reports – Part II

Session Nine (9:45-10:00am): Non-viral Vaccines and Immunoprevention
Rapporteur: Mary L. Disis, MD (Washington)

Session Ten (10:00-10:15am): Precision Cancer Prevention
Rapporteur: Raymond N. DuBois, MD, PhD, FAACR (ASU)

Session Eleven (10:15-10:30am): Precision Molecular Diagnostics
Rapporteur: Paul Limburg, MD, MPH (Mayo)

Session Twelve (10:30-10:45am): Biomarkers, Early Detection, and Screening
Rapporteur: Barnett Kramer, MD, MPH (NCI)

Session Thirteen (10:45-11:00am): Survivorship and Energetics
Rapporteur: Kathryn H. Schmitz, PhD, MPH (UPENN)

Session Fourteen (11:00-11:15am): Quantitative Sciences
Rapporteur: J. Jack Lee, DDS, PhD (MDACC)

11:15 am-12:45pm  ***Prioritization of Recommendations and Next Steps

Ernest T. Hawk, MD, MPH
The University of Texas MD Anderson Cancer Center, Houston, TX
12:45pm  
Meeting Adjournment

*All session speakers will present 10min talks, followed by 15min discussion periods (with the exception of session one, which will contain 10min talks followed by 10min discussion periods)

**Each session summary report will consist of a 5 minute presentation by session rapporteur and a 10 minute discussion period

***Session will include discussion of recommended actions that AACR may take to advance prevention and serve the cancer prevention community through meetings, publishing, communications, and advocacy; group will identify how AACR can advance public policy, public education, and professional training/education efforts relevant to cancer prevention and early detection