Saturday, April 1

EDUCATIONAL SESSIONS • 8:00 a.m. – 10:00 a.m.

8:30 a.m.  Histone Modifications and Gene Expression in Cancer
Room 150, Level 1, Washington Convention Center Epigenetics and Cancer
Speaker: Scott A. Armstrong, MD, PhD

Polygenic Susceptibility to Cancer and the Exposome: Polygenic Cancer Susceptibility: Where Lies the Missing Heritability?
Room 152, Level 1, Washington Convention Center Epigenetics and Cancer
Speaker: Peter Kraft, PhD

9:00 a.m.  ATP-Dependent Chromatin Remodeling Complexes in Human Cancer
Room 150, Level 1, Washington Convention Center Epigenetics and Cancer
Speaker: Cigall Kadoch, PhD

PROFESSIONAL ADVANCEMENT SESSION • 9:30 a.m. – 11:30 a.m.
Constitution Ballroom C-E, Level 3B, Grand Hyatt Washington

9:30 a.m.  Editor Tips for Publication Success (not eligible for CME credit)
Speakers: Timothy R. Rebbeck, PhD

PROFESSIONAL ADVANCEMENT SESSION • 9:30 a.m. – 4:00 p.m.
Renaissance Ballroom, Ballroom Level, Renaissance Hotel

10:45 a.m.  Navigating the Annual Meeting
Kornelia Polyak, MD, PhD

EDUCATIONAL SESSION: Integrating Genomic Analyses of Immunotherapy
Ballroom A-B, Level 3, Washington Convention Center

10:15 a.m.  Somatic HLA Mutations and Neoantigen Identification for Immunotherapy Analyses
Speaker: Sachet A. Shukla

PROFESSIONAL ADVANCEMENT SESSION • 12:00 p.m. – 5:00 p.m.
Constitution Ballroom A-B, Level 3B, Grand Hyatt Washington

12:00 p.m.  Twentieth Annual Grant Writing Workshop, Organized by the Associate Member Council (AMC) (not eligible for CME credit)
Introduction & Roundtable Member: Michael S. Rogers, PhD

REGULATORY SCIENCE AND POLICY SESSION • 1:00 p.m. – 2:45 p.m.
Room 143, Level 1, Washington Convention Center

1:00 p.m.  Understanding Mechanism-Based, Cardiovascular Adverse Events Associated with Immune Checkpoint Blockade: Implications for Prevention and Management
Moderator: George D. Demetri, MD
Saturday, April 1

EDUCATIONAL SESSION

1:30 p.m.  Cell Death Programs in Cancer Biology and Therapy: Mitochondria expose cancer cell vulnerabilities
Room 150, Level 1, Washington Convention Center
Speaker: Anthony G. Letai, MD, PhD

2:30 p.m.  Targeting CDKs in the Treatment of Breast Cancers: CDKs beyond the cell cycle
Room 145, Level 1, Washington Convention Center
Speaker: Jean J. Zhao, PhD

Pathologic Analyses of Patient Specimens in Patients Receiving Immune Checkpoint Blockade
Ballroom C, Level 3, Washington Convention Center
Speaker: Scott Rodig, MD, PhD

3:15 p.m.  Prevention and Early Detection in Era of Genomics: Novel Approaches to Prevention in Inherited Cancer Syndromes
Room 151, Level 1, Washington Convention Center
Speaker: Judy Garber, MD, MPH

4:45 p.m.  Interpretation of Cancer Genomic Variants: Identifying Positively Selected Rearrangements
Room 147, Level 1, Washington Convention Center
Speaker: Rameen Berkoukhim, MD, PhD

PROFESSIONAL ADVANCEMENT SESSION • 5:30 p.m. – 7:30 p.m.

5:45 p.m.  Careers in Clinical and Translational Cancer Research
Independence Ballroom B-E, Level 5B, Grand Hyatt Washington
Speaker: Judy Garber, MD, MPH

Sunday, April 2

MEET THE EXPERTS SESSION • 7:00 a.m. – 8:00 a.m.

7:00 a.m.  Computational Biology in Translational Cancer Research
East Salon A-B, Level 1, Washington Convention Center
Shirley Liu, PhD

OPEN PLENARY SESSION • 10:00 a.m. – 12:00 p.m.

10:00 a.m.  The Road to Cancer Cures: Discover, Predict, Prevent and Treat
Hall D-E, Level 2, Washington Convention Center
Introduction: Kornelia Polyak, MD, PhD

RECENT ADVANCES IN ORGAN SITE RESEARCH

1:00 p.m.  Immunotherapy of Lymphoid Malignancies: Targetable Genetic Bases of Immune Evasion in Lymphoma
Room 150, Level 1, Washington Convention Center
Speaker: Margaret Shipp, MD
Sunday, April 2

PROFESSIONAL ADVANCEMENT

1:00 p.m.  Forging Successful Partnerships with Industry, Organized by The Associate Member Council (AMC): How to Initiate and Industry Collaboration as an Academic Researcher
Constitutional Ballroom C-E, Level 3B, Grand Hyatt
Speaker: William Hahn, MD, PhD

MEET AND GREET • 2:00 p.m. – 4:00 p.m.

Minorities in Cancer Research Council
AACR Central (Booth 1125) MICR Resource Center, Lower Level, Washington Convention Center
Council Member: Christopher Lathan, MD, MS, MPH

Women in Cancer Research Council
AACR Central (Booth 1125) WICR Resource Center, Lower Level, Washington Convention Center
Council Member: Kornelia Polyak, MD, PhD

PROFESSIONAL ADVANCEMENT SESSION • 3:00 p.m.- 4:45 p.m.

Careers in Science Policy and Advocacy: Industry, Government, and Nonprofit Organizations, Organized by the Association Member Council
Room 204, Level 2, Washington Convention Center
Panelist: George Demetri, MD

CLINICAL TRIALS MINISYMPOSIUM I • 3:00 p.m. - 5:00p.m.
Ballroom C, Level 3, Washington Convention Center

3:30 p.m.  CT008 Phase I Study of the Alpha Specific PI3-Kinase Inhibitor BYL719 and the Poly (ADP-Ribose) Polymerase (PARP) Inhibitor Olaparib in Recurrent Ovarian and Breast Cancer: Analysis of the Dose Escalation and Ovarian Cancer Expansion Cohort
Speaker: Panagiotis Konstantinopoulos, MD, PhD

3:35 p.m.  CT009 Targeting MUC16 with the THIOMAB™-Drug Conjugate DMUC4064A in Patients with Platinum-Resistant Ovarian Cancer: Phase I Escalation Study
Speaker: Joyce Liu, MD, MPH

CLINICAL TRIAL PLENARY SESSION • 3:00p.m. - 5:15p.m.

3:05 p.m.  1020 BRD9 Defines a Novel mammalian SWI/SNF (BADF) Complex Configuration Which Supports Proliferation in AML
Room 147, Level 1, Washington Convention Center
Speaker: Brittany Michel

3:50 p.m.  981 The Design and Characterization of a Select TRIM24 Degrader
Room 201, Level 2, Washington Convention Center
Speaker: Lara Gechijian

4:05 p.m.  1010 Genomic Analysis of Recurrent Ovarian Cancer in Patient-Derived Xenografts Treated with Platinum and Taxane Chemotherapy
Room 152, Level 1, Washington Convention Center
Speaker: Elizabeth Stover, MD, PhD

4:35 p.m.  1019 In Vivo CRISPR Screening Identifies Ptpn2 as a Target for Cancer Immunotherapy
Room 146, Level 1, Washington Convention Center
Speaker: Robert Manguso
2017 AACR Annual Meeting
April 1-6, 2017
Featured Faculty

Sunday, April 2

ANIMAL MODELS OF HUMAN ONCOGENESIS • 3:00 p.m. - 5:00 p.m.
Room 150, Level 1, Washington Convention Center

4:35 p.m.
1040 LIN28B-Mediated Let-7 Independent Activation of AKT Promotes Neuroblastoma Pathogenesis
Co-chair: Birgit Knoechel, MD, PhD
Speaker: Ting Tao, PhD

4:00 p.m.
13th Annual AACR-Irving Weinstein Foundation Distinguished Lecture: Changing Cell Fate for the Treatment of Cancer
Ballroom A-B, Level 3, Washington Convention Center
Speaker: Leonard Zon, MD

AWARDS AND LECTURES

4:00 p.m.
13th Annual AACR-Irving Weinstein Foundation Distinguished Lecture: Changing Cell Fate for the Treatment of Cancer
Ballroom A&B, Level, Washington Convention Center
Speaker: Leonard Zon, MD

5:30 p.m.
20th Annual Pezcolle Foundation-AACR International Award for Cancer Research: BRCA1, Other Fanconi Gene, and swi/SNF Function Co-Sustain Mammary Epithelial Differentiation Through DNA Damage Repair
Ballroom C, Level 3, Washington Convention Center
Speaker: David Livingston, MD

Monday, April 3

MEET THE EXPERTS SESSION • 7:00 a.m. - 8:00 a.m.

Altered Super Enhancer Function and Genome Topology in Cancer Pathogenesis and Therapy
Room 202, Level 2, Washington Convention Center
Speaker: Thomas Look, MD

Functional Characterization of Nonprotein Coding Variants
Room 146, Level 1, Washington Convention Center
Speaker: Matthew L. Freedman, MD

Physical Activity and Therapeutic Response
Room 147, Level 1, Washington Convention Center
Speaker: Jeffrey A. Meyerhardt, MD, MPH

PROFESSIONAL ADVANCEMENT SESSION • 8:15 a.m. - 10:15 a.m.

9:25 a.m.
Women in Cancer Research Career Mentoring Session
Independence Ballroom A, Level 5B, Grand Hyatt Washington
Roundtable Mentor: Cigall Kadoch, PhD

MEET AND GREET

10:00 a.m.
Mett the Editor-In-Chief of Cancer Epidemiology, Biomarkers & Prevention
AACR Publication Booth 2731, Lower Level, Washington Convention Center
Speaker: Timothy Rebbeck, PhD
Monday, April 3

11:25 a.m. CT046 Phase I Dose Escalation Study of the CDK4/6 Inhibitor Palbociclibin Combination with the MEK Inhibitor PD-0325901 In Patients with RAS Mutant Solid Tumors
Ballroom C, Level 3, Washington Convention Center
Geoffrey Shapiro, MD, PhD

11:35 a.m. CT047 Phase I Dose-Escalation Study of the CDK Inhibit or Dinaciclib in Combination with the PARP Inhibitor Veliparib in Patients with Advanced Solid Tumors
Ballroom C, Level 3, Washington Convention Center
Geoffrey Shapiro, MD, PhD

1:30 p.m. First Validation, then Discovery: Establishing Truth from cfDNA Genotyping
Ballroom C, Level 3, Washington Convention Center
Speaker: Geoffrey R. Oxnard, MD

3:00 p.m. Associate Member Council Meet and Greet
AAAR Central, Booth 1125, Lower Level, Washington Convention Center
Member: Colles Price, PhD

4:35 p.m. 3027 Dissecting Mechanisms of Anti-PD1 Therapy with Massively Parallel Single-Cell RNA-Sequencing
Ballroom A-B, Level 3, Washington Convention Center
Speaker: Brian Miller, MD, PhD

FORUMS
5:00 p.m. Should Cancer Genetics Testing Be Offered to Everyone Regardless of Family History?
Room 152, Level 1, Washington Convention Center
Speaker: Judy Garber, MD, MPH

PROFESSIONAL ADVANCEMENT SESSION
6:30 p.m. Minorities in Cancer Research Professional Advancement Session: Navigating the Road to a Successful Career in Cancer Research (not eligible for CME credit)
Independence Ballroom A, Level 5B, Grand Hyatt Washington
Co-Chair: Christopher Lathan, MD, MS, MPH

Tuesday, April 4

MEET THE EXPERTS SESSION
7:00 a.m. Elucidating Mechanisms to Overcome Endocrine Therapy Resistance
Room 206, Level 2, Washington Convention Center
Speaker: Myles A. Brown, MD

MAJOR SYMPOSIA • 10:30 a.m. - 12:15 p.m.

10.35 a.m. Epigenetic Vulnerabilities in Pediatric Solid Tumors
Room 150, Level 1, Washington Convention Center
Speaker: Rani George, MD, PhD
Tuesday, April 4

MAJOR SYMPOSIA • 10:30 a.m. - 12:15 p.m.

11:05 a.m. Targeting DNA Damage/Repair in the Genome: Novel Mechanisms of PARP Inhibitor Resistance
Room 145, Level 1, Washington Convention Center
Speaker: Alan D’Andrea, MD

RECENT ADVANCES IN DIAGNOSTICS AND THERAPEUTICS RESEARCH

10:30 a.m. CRISPR Technologies in the Identification of Cancer: Systemic Identification of Cancer Dependencies and Targets
Ballroom A-B, Level 3, Washington Convention Center
Chair & Speaker: William Hahn, MD, PhD

RECENT ADVANCES IN PREVENTION RESEARCH

11:00 a.m. The Emerging Role of Inherited Genetic Risk Factors in Precision Prevention: Toward a Biological Basis for Cancer Prevention and Early Detection
Room 152, Level 1, Washington Convention Center
Speaker: Timothy Rebbeck, PhD

RECENT ADVANCES IN ORGAN SITE RESEARCH

1:00 p.m. The Genetics of Myeloid Neoplasia: From Clonal Hematopoiesis to Acute Leukemia
Room, 145, Level 1, Washington Convention Center
Speaker: Benjamin Ebert, MD, PhD

MINI-SYMPOSIA

3:20 p.m. Liquid Biopsies 4: 4950 The Emergence of ERS1 Mutations is Associated with Aromatase Inhibitor and Fulvestrant Therapy
Room 146, Level 1, Washington Convention Center
Speaker Yanan Kuang, PhD

Tumor Cell Biology: 5020 A Genome-Scale ORF Screen Reveals an Alternative Splicing Program that Regulates Mesenchymal and Stem-Like Cell States in Breast Cancer
Room 150, Level 1, Washington Convention Center
Speaker: Ji Li, PhD

3:35 p.m. Exploiting Metabolic Vulnerabilities to Treat Cancer: 4986 Pancreatic Cancers Develop Metabolic Resistant Pathways to Glutaminase Inhibition
Room 145, Level 1, Washington Convention Center
Speaker: Joseph Mancias, PhD

Models for Treatment Resistance and Drug Discovery: 5014 Drug Discovery for NF1-Associated Malignant Peripheral Nerve Sheath Tumors Using the Zebrafish Model
Room 206, Level 2, Washington Convention Center
Speaker: Doug Hyuk Ki, PhD

4:05 p.m. Novel Small Molecular Targets and Approaches: 4974 Pharmacogenomic Interactions in Glioblastoma Cell Line Models
Room 151, Level 1, Washington Convention Center
Speaker: Ruben Ferrer-Luna, PhD

Models for Treatment Resistance and Drug Discovery: 5016 High-Throughput Patient-Derived 3-Dimensional Organoid Cultures as Personalized Models to Assess Drug Response and Post Treatment Residual Disease
Room 206, Level 2, Washington Convention Center
Speaker: Eugen Dhimolia, PhD
Tuesday, April 4

LATE-BREAKING MINISYMPOSIUM

3:20 a.m.  
LB-286 ARID1A Loss Impairs Enhancer-Medicated Gene Regulation and Drives Colon Cancer in Mice  
Room 147, Level 1, Washington Convention Center  
Speaker: Radhika Mathur, PhD

AWARDS AND LECTURES

4:30 p.m.  
Twenty-Second Annual AACR Joseph H Burchenal Memorial Award for Outstanding Achievement in Clinical Cancer Research  
Room 207, Level 2, Washington Convention Center  
Recipient: Judy Garber, MD, MPH

Wednesday, April 5

MEET THE EXPERT SESSION

7:00 a.m.  
Elucidating How Mutations in Calreticulin Cause Myeloproliferative Neoplasms  
Room 151, Level 1, Washington Convention Center  
Speaker: Ann Mullally, MD

PLENARY

9:30 a.m.  
Convergence, Computation, and Cancer: Mathematical Modeling of Cancer Evolution  
Hall D-E, Level 2, Washington Convention Center  
Speaker: Franziska Michor, PhD

12:20 p.m.  
Basic Science and Translational Implications  
Hall D-E, Level 2, Washington Convention Center  
Speaker: Kornelia Polyak, MD, PhD

MAJOR SYMPOSIA

10: 20 a.m.  
Bridging Big Data and Clinical Practice: Beyond the Exome: Noncoding Alterations in Cancer Genomes  
Room 207, Level 2, Washington Convention Center  
Matthew Meyerson, MD, PhD