Thursday, January 9

3:30 p.m.-8:15 p.m.  REGISTRATION
California Foyer

6:30 p.m.-7:30 p.m.  WELCOME AND OPENING KEYNOTE
California Ballroom
6:30 p.m.-6:40 p.m.  Welcome
Elaine R. Mardis, Nationwide Children’s Hospital, Columbus, OH
6:40 p.m.-7:30 p.m.  Keynote address
Genomic-phenomic data linkages to accelerate discovery in oncology: Obstacles and opportunities
Deborah Schrag, Dana-Farber Cancer Institute, Boston, MA

7:30 p.m.-8:15 p.m.  PANEL DISCUSSION
Amy P. Abernathy, U.S. Food and Drug Administration, Silver Spring, MD
David M. Hyman, Memorial Sloan Kettering Cancer Center, New York, NY
Elaine R. Mardis, Nationwide Children’s Hospital, Columbus, OH
Deborah Schrag, Dana-Farber Cancer Institute, Boston, MA
Lillian L. Siu, Princess Margaret Cancer Centre, Toronto, ON, Canada
Eliezer M. Van Allen, Dana-Farber Cancer Institute, Boston, MA

8:15 p.m.-10:00 p.m.  OPENING RECEPTION
Garden Terrace

Friday, January 10

7:00 a.m.-8:00 a.m.  BREAKFAST
Garden Terrace

8:00 a.m.-9:45 a.m.  PLENARY SESSION 1: MACHINE LEARNING IN PRECISION ONCOLOGY
California Ballroom
Session Chair: Lillian L. Siu, Princess Margaret Cancer Centre, Toronto, ON, Canada

8:00 a.m.-8:25 a.m.  The Treehouse Childhood Cancer Initiative
David Haussler, University of California Santa Cruz, Santa Cruz, CA
CONFERENCE PROGRAM

8:25 a.m.-8:50 a.m.  
**Drug-predictive computational evaluations**  
Benjamin Haibe-Kains, Princess Margaret Cancer Centre, Toronto, ON, Canada

8:50 a.m.-9:15 a.m.  
**Clinical challenges in oncologic imaging: AI support from image analysis to integrated diagnostics**  
Evis Sala, University of Cambridge, Cambridge, United Kingdom

9:15 a.m.-9:45 a.m.  
**Panel discussion**

9:45 a.m.-10:00 a.m.  
**BREAK**  
California Foyer

10:00 a.m.-11:45 a.m.  
**PLENARY SESSION 2: DATABASES AND EHRS**  
California Ballroom  

**Session Chair: Eliezer M. Van Allen,** Dana-Farber Cancer Institute, Boston, MA

10:00 a.m.-10:25 a.m.  
**EHR-derived data platforms to advance precision medicine**  
Neal J. Meropol, Flatiron Health, New York, NY

10:25 a.m.-10:50 a.m.  
**Count me in: Partnering with patients to accelerate the pace of discoveries**  
Corrie Painter, Broad Institute of Harvard and MIT/CountMeIn, Cambridge, MA

10:50 a.m.-11:15 a.m.  
**Making it easier to participate in research: A patient’s perspective**  
Liz Salmi, OpenNotes/Beth Israel Deaconess Medical Center, Boston, MA

11:15 a.m.-11:45 a.m.  
**Panel discussion**

12:00 p.m.-2:45 p.m.  
**POSTER SESSION / LUNCH**  
San Diego Ballroom and Garden Terrace

3:00 p.m.-4:45 p.m.  
**PLENARY SESSION 3: PANEL DISCUSSION ON REAL-WORLD EVIDENCE GENERATION, PAYMENT MODELS, AND ENDPOINTS**  
California Ballroom  

**Session Moderator: Elaine R. Mardis,** Nationwide Children’s Hospital, Columbus, OH

3:00 p.m.-3:15 p.m.  
**Finding the right patient, finding the right trial**  
Lee Newcomer, Lee N. Newcomer Consulting, Wayzata, MN

3:15 p.m.-3:30 p.m.  
**Building data and knowledge management systems to support precision medicine**  
Monica M. Bertagnolli, Brigham and Women’s Hospital, Boston, MA

3:30 p.m.-3:45 p.m.  
**Toward personalized health care in oncology**  
Levi A. Garraway, Genentech, South San Francisco, CA  
(not eligible for CME credit)

3:45 p.m.-4:00 p.m.  
**A platform approach to regulatory-grade RWE and outcomes validation**  
Jonathan Hirsch, Syapse, San Francisco, CA  
(not eligible for CME credit)
Panel discussion
(not eligible for CME credit)

DINNER ON OWN

Saturday, January 11

7:00 a.m.-8:00 a.m.   BREAKFAST
Garden Terrace

8:00 a.m.-9:45 a.m.   PLENARY SESSION 4: NOVEL DRUG DEVELOPMENT APPROACHES / DRUGGING DIFFICULT TARGETS
California Ballroom

Session Chair: David M. Hyman, Memorial Sloan Kettering Cancer Center, New York, NY

8:00 a.m.-8:25 a.m.   Title to be announced
José Baselga, AstraZeneca, Gaithersburg, MD
(not eligible for CME credit)

8:25 a.m.-8:50 a.m.   Title to be announced
Jeffrey A. Engelman, Novartis, Cambridge, MA
(not eligible for CME credit)

8:50 a.m.-9:15 a.m.   Lessons learned from challenging drug targets
Levi A. Garraway, Genentech, South San Francisco, CA
(not eligible for CME credit)

9:15 a.m.-9:45 a.m.   Panel discussion
(not eligible for CME credit)

9:45 a.m.-10:00 a.m.   BREAK
California Foyer

10:00 a.m.-11:45 a.m.   PLENARY SESSION 5: WHAT CONSTITUTES ADEQUATE SCREENING?
California Ballroom

Session Chair: Elaine R. Mardis, Nationwide Children’s Hospital, Columbus, OH

10:00 a.m.-10:25 a.m.   Title to be announced
Barry S. Taylor, Memorial Sloan Kettering Cancer Center, New York, NY
CONFERENCE PROGRAM

10:25 a.m.-10:50 a.m.  Longitudinal single-cell DNA sequencing to reveal rare cancer cell populations and genome-phenome states in tumors
Sohrab Shah, Memorial Sloan Kettering Cancer Center, New York, NY

10:50 a.m.-11:15 a.m.  Biomarkers and translational oncology in immuno-oncology
Alexandra Snyder, Merck & Co., Rahway, NJ
(not eligible for CME credit)

11:15 a.m.-11:45 a.m.  Panel discussion

12:00 p.m.-2:00 p.m.  LUNCH
Garden Terrace

2:15 p.m.-4:00 p.m.  PLENARY SESSION 6: UNIQUE CLINICAL TRIAL DESIGNS
California Ballroom

Session Chair: Lillian L. Siu, Princess Margaret Cancer Centre, Toronto, ON, Canada

2:15 p.m.-2:40 p.m.  Title to be announced
J. Carl Barrett, AstraZeneca Pharmaceuticals, Waltham, MA
(not eligible for CME credit)

2:40 p.m.-3:05 p.m.  The Drug Rediscovery protocol: Getting the most out of approved drugs
Emile E. Voest, Netherlands Cancer Institute, Amsterdam, Netherlands

3:05 p.m.-3:30 p.m.  Title to be announced
David M. Hyman, Memorial Sloan Kettering Cancer Center, New York, NY

3:30 p.m.-4:00 p.m.  Panel discussion

4:00 p.m.  DINNER ON OWN

Sunday, January 12

7:30 a.m.-8:30 a.m.  BREAKFAST
Garden Terrace
8:30 a.m.-9:10 a.m.  KEYNOTE LECTURE
California Ballroom

Session Chair: Eliezer M. Van Allen, Dana-Farber Cancer Institute, Boston, MA

Large-scale science in the private sector: The story of Grail and the early detection of cancer
Richard D. Klausner, Lyell Immunopharma, South San Francisco, CA

9:15 a.m.-10:30 a.m.  PLENARY SESSION 7: PANEL DISCUSSION ON PERSPECTIVES FROM BIOTECH AND THE FINANCE SECTOR
California Ballroom
(not eligible for CME credit)

Moderators: J. Carl Barrett, AstraZeneca Pharmaceuticals, Waltham, MA, and David M. Hyman, Memorial Sloan Kettering Cancer Center, New York, NY

Philip Dreyfuss, Farallon Capital, San Francisco, CA
Thomas G. Roberts, Farallon Capital, San Francisco, CA
Caroline Savello, Color Genomics, Burlingame, CA
James Tananbaum, Foresite Capital, San Francisco, CA

10:30 a.m.-10:45 a.m.  BREAK
California Foyer

10:45 a.m.-12:30 p.m.  PLENARY SESSION 8: MRD / ADVANCED DIAGNOSTICS
California Ballroom

Session Chair: Eliezer M. Van Allen, Dana-Farber Cancer Institute, Boston, MA

10:45 a.m.-11:10 a.m.  Title to be announced
Eliezer M. Van Allen

11:10 a.m.-11:35 a.m.  ctDNA as predictive biomarkers for response and toxicity with immunotherapy
Lillian L. Siu, Princess Margaret Cancer Centre, Toronto, ON, Canada

11:35 a.m.-12:00 p.m.  Circulating tumor DNA analysis for personalized cancer monitoring and detection
Maximilian Diehn, Stanford University, Stanford, CA

12:00 p.m.-12:30 p.m.  Panel discussion

12:30 p.m.  CLOSING REMARKS AND DEPARTURE
California Ballroom