

CONFERENCE PROGRAM

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

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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)

4:00 p.m.-4:45 p.m. **Panel discussion
(not eligible for CME credit)**

4:45 p.m. **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

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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
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8:30 a.m.-9:10 a.m.	<p>KEYNOTE LECTURE California Ballroom</p> <p>Session Chair: Eliezer M. Van Allen, Dana-Farber Cancer Institute, Boston, MA</p> <p>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</p>
9:15 a.m.-10:30 a.m.	<p>PLENARY SESSION 7: PANEL DISCUSSION ON PERSPECTIVES FROM BIOTECH AND THE FINANCE SECTOR California Ballroom (not eligible for CME credit)</p> <p>Moderators: J. Carl Barrett, AstraZeneca Pharmaceuticals, Waltham, MA, and David M. Hyman, Memorial Sloan Kettering Cancer Center, New York, NY</p> <p>Philip Dreyfuss, Farallon Capital, San Francisco, CA</p> <p>Thomas G. Roberts, Farallon Capital, San Francisco, CA</p> <p>Caroline Savello, Color Genomics, Burlingame, CA</p> <p>James Tananbaum, Foresite Capital, San Francisco, CA</p>
10:30 a.m.-10:45 a.m.	<p>BREAK California Foyer</p>
10:45 a.m.-12:30 p.m.	<p>PLENARY SESSION 8: MRD / ADVANCED DIAGNOSTICS California Ballroom</p> <p>Session Chair: Eliezer M. Van Allen, Dana-Farber Cancer Institute, Boston, MA</p>
10:45 a.m.-11:10 a.m.	<p>Title to be announced Eliezer M. Van Allen</p>
11:10 a.m.-11:35 a.m.	<p>ctDNA as predictive biomarkers for response and toxicity with immunotherapy Lillian L. Siu, Princess Margaret Cancer Centre, Toronto, ON, Canada</p>
11:35 a.m.-12:00 p.m.	<p>Circulating tumor DNA analysis for personalized cancer monitoring and detection Maximilian Diehn, Stanford University, Stanford, CA</p>
12:00 p.m.-12:30 p.m.	<p>Panel discussion</p>
12:30 p.m.	<p>CLOSING REMARKS AND DEPARTURE California Ballroom</p>