

CONFERENCE PROGRAM

Saturday, June 22

7:00 p.m.-8:00 p.m.

WELCOME AND INTRODUCTION

Grand Ballroom D

Margaret L. Kripke, The University of Texas MD Anderson Cancer Center, Houston, TX

OPENING KEYNOTE ADDRESS

The global impact of environmental carcinogenesis and interventions for prevention

Christopher P. Wild, International Agency for Research on Cancer, Lyon, France

8:00 p.m.-9:00 p.m.

OPENING RECEPTION

Grand Ballroom C

Sunday, June 23

7:00 a.m.-8:00 a.m.

CONTINENTAL BREAKFAST

Grand Ballroom C

8:00 a.m.-9:45 a.m.

PLENARY SESSION 1: RECENT ADVANCES IN CANCER PREVENTION AND EARLY DETECTION

Grand Ballroom D

Session Chair: Ernest T. Hawk, The University of Texas MD Anderson Cancer Center, Houston, TX

8:00 a.m.-8:30 a.m.

New concepts in precision prevention

Timothy R. Rebbeck, Dana-Farber Cancer Institute, Harvard T.H. Chan School of Public Health, Boston, MA

8:30 a.m.-9:00 a.m.

The microbiome and cancer

Jiyoung Ahn, New York University Langone Medical School, New York, NY

9:00 a.m.-9:30 a.m.

Mutational spectra of environmental carcinogens as biomarkers for early detection of cancer

Bogdan Fedeles, Massachusetts Institute of Technology, Cambridge, MA

9:30 a.m.-9:45 a.m.

Genomic UV-hypersensitive sites as sentinels for personal UV exposure*

Douglas Brash, Yale School of Medicine, New Haven, CT

**Short talk from proffered abstract.*

9:45 a.m.-10:00 a.m.	BREAK Grand Promenade CD
10:00 a.m.-12:00 p.m.	PLENARY SESSION 2: INTEGRATION OF GENOMICS AND EPIDEMIOLOGY Grand Ballroom D Session Chair: Bogdan Fedeles , Massachusetts Institute of Technology, Cambridge, MA
10:00 a.m.-10:30 a.m.	Genetic susceptibility and biologic markers of carcinogen exposure Jesse J. Salk, University of Washington, Seattle, WA
10:30 a.m.-11:00 a.m.	Mutational signatures of environmental carcinogens in mouse and human cancers Allan Balmain, UCSF Helen Diller Family Comprehensive Cancer Center, San Francisco, CA
11:00 a.m.-11:30 a.m.	Interactions of genetic variants and environmental factors Ulrike Peters, Fred Hutchinson Cancer Research Center, Seattle, WA
11:30 a.m.-12:00 p.m.	Genetics of varied responses to environmental factors David W. Threadgill, Texas A&M University, College Station, TX
12:00 p.m.-1:00 p.m.	LUNCH Grand Ballroom C
1:00 p.m.-3:15 p.m.	PLENARY SESSION 3: ENVIRONMENTAL CONTRIBUTORS TO HUMAN CANCERS Grand Ballroom D Session Chair: Julia Brody , Silent Spring Institute, Newton, MA
1:00 p.m.-1:30 p.m.	Environmental contributors to childhood cancers Catherine Metayer, University of California Berkeley School of Public Health, Berkeley, CA
1:30 p.m.-2:00 p.m.	Neighborhood matters: Residential levels of air toxics and increased risk of early childhood acute lymphocytic leukemia Elaine Symanski, University of Texas Health Science Center at Houston, School of Public Health, Houston, TX
2:00 p.m.-2:30 p.m.	Timing of environmental contributions to cancer in a multigenerational cohort Barbara A. Cohn, Public Health Institute, Oakland, CA
2:30 p.m.-3:00 p.m.	Role of endocrine disruptors in cancer development Gail S. Prins, University of Illinois at Chicago College of Medicine, Chicago, IL
3:00 p.m.-3:15 p.m.	Glyphosate as a potential carcinogen for multiple myeloma* Yong Li, Cleveland Clinic, Cleveland, OH

**Short talk from proffered abstract.*

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3:15 p.m.-3:30 p.m.	BREAK Grand Promenade CD
3:30 p.m.-5:45 p.m.	PLENARY SESSION 4: RECENT PROGRESS IN IDENTIFYING AND DEFINING CARCINOGENS Grand Ballroom D Session Chair: John D. Groopman , Johns Hopkins School of Public Health, Baltimore, MD
3:30 p.m.-4:00 p.m.	Key characteristics of carcinogens Martyn T. Smith, University of California Berkeley, Berkeley, CA
4:00 p.m.-4:30 p.m.	High-throughput methods for screening for breast carcinogens Ruthann Rudel, Silent Spring Institute, Newton, MA
4:30 p.m.-5:00 p.m.	Role of environment in genetic predisposition: Lessons from tobacco studies Chris I. Amos, Baylor College of Medicine, Houston, TX
5:00 p.m.-5:30 p.m.	The Halifax Project: Can a chemical mixture be a virtual carcinogen? William H. Goodson III, California Pacific Medical Center, San Francisco, CA
5:30 p.m.-5:45 p.m.	An integrative mouse model of gastric premalignancy that combines early genomic alterations with disease-relevant carcinogenic exposure* Nilay Sethi, Dana-Farber Cancer Institute, Boston, MA
5:45 p.m.-7:45 p.m.	POSTER SESSION / RECEPTION Grand Ballroom C
7:45 p.m.	DINNER ON OWN

Monday, June 24

7:00 a.m.-8:00 a.m.	CONTINENTAL BREAKFAST Grand Ballroom C
8:00 a.m.-9:00 a.m.	PLENARY SESSION 5: SELECTED HIGHLY RATED ABSTRACTS Grand Ballroom D Session Chair: Margaret L. Kripke , The University of Texas MD Anderson Cancer Center, Houston, TX

**Short talk from proffered abstract.*

8:00 a.m.-8:15 a.m.	<p>Exposure-based assessment and economic valuation of adverse birth outcomes and cancer risk due to nitrate in United States drinking water* Alexis Temkin, Environmental Working Group, Washington, DC</p>
8:15 a.m.-8:30 a.m.	<p>Fine particulate matter and mortality among pediatric, adolescent, and young adults with cancer* Judy Ou, Huntsman Cancer Institute, Salt Lake City, UT</p>
8:30 a.m.-8:45 a.m.	<p>North Carolina environmental quality is associated with distant/metastatic breast cancer: Evidence for rural-urban disparities* Larissa Gearhart-Serna, Duke University, Durham, NC</p>
8:45 a.m.-9:00 a.m.	<p>Latent class analysis of multipollutant exposure* Terry Hyslop, Duke University, Durham, NC</p>
9:00 a.m.-10:00 a.m.	<p>KEYNOTE ADDRESS Grand Ballroom D</p> <p>Challenges and opportunities in environmental carcinogenesis: The NIEHS perspective Richard P. Woychik, Deputy Director, National Institute of Environmental Health Science/National Toxicology Program, Research Triangle Park, NC</p>
10:00 a.m.-10:15 a.m.	<p>BREAK Grand Promenade CD</p>
10:15 a.m.-12:00 p.m.	<p>PLENARY SESSION 6: INNOVATIVE APPROACHES FOR MEASURING CARCINOGEN EXPOSURE Grand Ballroom D</p> <p>Session Chair: Gwen Collman, National Institute of Environmental Health Science, Research Triangle Park, NC</p>
10:15 a.m.-10:45 a.m.	<p>The exposome and cancer Ted Schettler, Science and Environmental Health Network, Bolinas, CA</p>
10:45 a.m.-11:15 a.m.	<p>A compendium of mutational signatures due to environmental exposures Serena Nik-Zainal, MRC Cancer Unit, University of Cambridge, Cambridge, United Kingdom</p>
11:15 a.m.-11:45 a.m.	<p>Novel cell microarray technologies for studies of DNA damage and cell survival and applications for studies of microbe-induced DNA damage Bevin P. Engelward, Massachusetts Institute of Technology, Cambridge, MA</p>
11:45 a.m.-12:00 p.m.	<p>Noninvasive epidermal sampling as a means of genomic UV dosimetry* Kenneth Tsai, Moffitt Cancer Center, Tampa, FL</p>

**Short talk from proffered abstract.*

CONFERENCE PROGRAM

12:00 p.m.-1:15 p.m.	LUNCH Grand Ballroom C
1:15 p.m.-3:15 p.m.	PLENARY SESSION 7: PATHWAYS TO PREVENTION Grand Ballroom D Session Chair: Timothy R. Rebbeck , Dana-Farber Cancer Institute, Harvard T.H. Chan School of Public Health, Boston, MA
1:15 p.m.-1:45 p.m.	A systems approach to cancer prevention Polly Hoppin, University of Massachusetts Lowell, Lowell, MA
1:45 p.m.-2:15 p.m.	Impact of workplace exposures on cancer disparities Paul Demers, Occupational Cancer Research Centre, Toronto, ON, Canada
2:15 p.m.-2:45 p.m.	Public engagement Julia Brody, Silent Spring Institute, Newton, MA
2:45 p.m.-3:15 p.m.	Applying epidemiology to prevention John D. Groopman, Johns Hopkins School of Public Health, Baltimore, MD
3:15 p.m.-3:30 p.m.	BREAK Grand Promenade CD
3:30 p.m.-5:00 p.m.	PLENARY SESSION 8: PATHWAYS TO PREVENTION Grand Ballroom D Session Chair: Timothy R. Rebbeck , Dana-Farber Cancer Institute, Harvard T.H. Chan School of Public Health, Boston, MA
3:30 p.m.-4:00 p.m.	A brief orientation to implementation science at the National Cancer Institute Gila Neta, National Cancer Institute, Bethesda, MD
4:00 p.m.-4:30 p.m.	Carcinogens in consumer products: How science can inform policy to benefit public health Veena Singla, University of California San Francisco, San Francisco, CA
4:30 p.m.-5:00 p.m.	Integrating environmental exposures with cancer control Debbie Winn, National Cancer Institute, Bethesda, MD
5:00 p.m.	CLOSING REMARKS Grand Ballroom D Session Chair: Ernest T. Hawk , The University of Texas MD Anderson Cancer Center, Houston, TX