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.  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

8:15 a.m.-8:30 a.m.  Fine particulate matter and mortality among pediatric, adolescent, and young adults with cancer*
Judy Ou, Huntsman Cancer Institute, Salt Lake City, UT

8:30 a.m.-8:45 a.m.  North Carolina environmental quality is associated with distant/metastatic breast cancer: Evidence for rural-urban disparities*
Larissa Gearhart-Serna, Duke University, Durham, NC

8:45 a.m.-9:00 a.m.  Latent class analysis of multipollutant exposure*
Terry Hyslop, Duke University, Durham, NC

9:00 a.m.-10:00 a.m.  KEYNOTE ADDRESS
Grand Ballroom D
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

10:00 a.m.-10:15 a.m.  BREAK
Grand Promenade CD

10:15 a.m.-12:00 p.m.  PLENARY SESSION 6: INNOVATIVE APPROACHES FOR MEASURING CARCINOGEN EXPOSURE
Grand Ballroom D
Session Chair: Gwen Collman, National Institute of Environmental Health Science, Research Triangle Park, NC

10:15 a.m.-10:45 a.m.  The exposome and cancer
Ted Schettler, Science and Environmental Health Network, Bolinas, CA

10:45 a.m.-11:15 a.m.  A compendium of mutational signatures due to environmental exposures
Serena Nik-Zainal, MRC Cancer Unit, University of Cambridge, Cambridge, United Kingdom

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

11:45 a.m.-12:00 p.m.  Noninvasive epidermal sampling as a means of genomic UV dosimetry*
Kenneth Tsai, Moffitt Cancer Center, Tampa, FL

*Short talk from proffered abstract.
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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