Wednesday, November 16

5:00 p.m.-5:15 p.m.  Opening Remarks
Ballroom C
Susan M. Gapstur, American Cancer Society, Atlanta, GA

5:15 p.m.-6:45 p.m.  Opening Keynote Address
Introduction
Susan M. Gapstur, American Cancer Society, Atlanta, GA
Risk model requirements for counseling, prevention, and early detection
Mitchell H. Gail, National Cancer Institute, Rockville, MD

6:45 p.m.-8:30 p.m.  Opening Reception
Ballroom D

Thursday, November 17

7:30 a.m.-8:30 a.m.  Breakfast with Mentoring Roundtables
Ballroom D

8:30 a.m.-10:30 a.m.  Plenary Session 1: Fundamentals of Risk Prediction Models: Nuts and Bolts
Ballroom C

Session Chair: Ruth Pfeiffer, National Cancer Institute, Bethesda, MD

8:30 a.m.-9:00 a.m.  A brief overview of building and validating absolute risk models
Ruth Pfeiffer

9:00 a.m.-9:30 a.m.  Requirements for a statistical prediction model to receive AJCC endorsement
Michael W. Kattan, The Cleveland Clinic, Cleveland, OH

9:30 a.m.-10:00 a.m.  Risk prediction for breast cancer
Bernard A. Rosner, Harvard T.H. Chan School of Public Health, Boston, MA

10:00 a.m.-10:15 a.m.  Risk models for cancer screening cohorts assembled from electronic health records:
Application to calculating risks that underlie current cervical cancer screening guidelines*
Li C. Cheung, George Washington University, Silver Spring, MD

*Short talk from proffered abstract
10:15 a.m.-10:30 a.m.  Validation of breast cancer risk prediction model using Nurses Health and Nurse Health II Studies*
Chi Gao, Harvard School of Public Health, Cambridge, MA

10:30 a.m.-11:00 a.m.  Break
Ballroom C Foyer

11:00 a.m.-1:00 p.m.  Plenary Session 2: Genetic Testing to Improve Risk Prediction
Ballroom C

Session Chair: Antonis Antoniou, University of Cambridge, Cambridge, United Kingdom

11:00 a.m.-11:30 a.m.   Modeling genetic susceptibility to breast cancer
Antonis Antoniou

11:30 a.m.-12:00 p.m.   Genetic susceptibility to ovarian cancer: The clinical significance
Paul Pharoah, University of Cambridge, Cambridge, United Kingdom

12:00 p.m.-12:30 p.m.   Using genetic information in screening and prevention: Perspective of clinicians and policy-makers
David F. Ransohoff, University of North Carolina, Chapel Hill, NC

12:30 p.m.-12:45 p.m.   Association of environmental risk factors, family history, and polygenic risk scores with chronic lymphocytic leukemia*
Geffen Kleinstern, Mayo Clinic, Rochester, MN

12:45 p.m.-1:00 p.m.   Risk prediction for non-Lynch syndrome colorectal cancer based on 45 independent risk-associated SNPs and multi-generational family history*
Mark Jenkins, University of Melbourne, Melbourne, VIC, Australia

1:00 p.m.-3:00 p.m.  Free time/Lunch on own

3:00 p.m.-5:00 p.m.  Plenary Session 3: Enhancing Risk Prediction Models by Incorporating Novel Factors
Ballroom C

Session Chair: Celine M. Vachon, Mayo Clinic, Rochester, MN

3:00 p.m.-3:30 p.m.   Incorporating risk prediction in the breast screening setting
Celine M. Vachon

3:30 p.m.-4:00 p.m.   The airway transcriptome as a biomarker for early lung cancer detection
Avrum E. Spira, Boston University School of Medicine, Boston, MA

4:00 p.m.-4:30 p.m.   Targeted imaging of the serrated pathway for early detection of colorectal cancer
Thomas D. Wang, University of Michigan, Ann Arbor, MI

*Short talk from proffered abstract
4:30 p.m.-4:45 p.m. Does a comprehensive family history of colorectal cancer improve risk prediction?*  
Yingye Zheng, Fred Hutchinson Cancer Research Center, Seattle, WA

4:45 p.m.-5:00 p.m. Using frailty models to improve familial cancer risk prediction*  
Theodore J. Huang, Harvard University, Watertown, MA

5:00 p.m.-7:30 p.m. Poster Session A and Reception  
Ballroom D

Friday, November 18

7:30 a.m.-8:30 a.m. Breakfast with Mentoring Roundtables  
Ballroom D

8:30 a.m.-10:30 a.m. Plenary Session 4: Challenges in Risk Prediction of Cancers in Women  
Ballroom C

Session Chair: Mark E. Sherman, National Cancer Institute, Bethesda, MD

8:30 a.m.-9:00 a.m. Title to be announced  
Mark E. Sherman

9:00 a.m.-9:30 a.m. Risk-assessment in HPV-based cervical cancer screening  
Rolando Herrero, International Agency for Research on Cancer, Lyon, France

9:30 a.m.-10:00 a.m. A practical approach to reducing the burden of ovarian cancers  
Douglas A. Levine, Memorial Sloan Kettering Cancer Center, New York, NY

10:00 a.m.-10:15 a.m. Comparison of risk model recommendations for women at high-risk of breast cancer based on clinical thresholds using the Prospective Family Study Cohort (ProF-SC)*  
Mary Beth Terry, Columbia University School of Public Health, New York, NY

10:15 a.m.-10:30 a.m. Breast cancer risk assessment using common genetic variants in Malaysian and Singaporean Chinese population*  
Weang-Kee Ho, University of Nottingham Malaysia Campus, Selangor, Malaysia

10:30 a.m.-11:00 a.m. Break  
Ballroom C Foyer

*Short talk from proffered abstract
CONFERENCE PROGRAM

11:00 a.m.-1:15 p.m.  Plenary Session 5: Risk Assessment for Prostate and Colon Cancer
Ballroom C

Session Chair: Kenneth Muir, University of Manchester, Manchester, United Kingdom

11:00 a.m.-11:30 a.m.  The “Riskman” program: A risk based approach to prostate cancer detection - incorporating cost considerations into the mix
Kenneth Muir

11:30 a.m.-12:00 p.m.  Combining genetic and environmental risk information to predict colorectal cancer risk
Ulrike Peters, Fred Hutchinson Cancer Research Center, Seattle, WA

12:00 p.m.-12:30 p.m.  Heritability of prostate cancer
Fredrick R. Schumacher, USC/Norris Comprehensive Cancer Center, Los Angeles, CA

12:30 p.m.-12:45 p.m.  Prostate cancer prognostication based on an actionable metabolic pathway*
Konrad Stopsack, Mayo Clinic, Rochester, MN

12:45 p.m.-1:00 p.m.  Development of a comprehensive colorectal cancer risk prediction tool (CRiPT) incorporating known and unknown major genes and polygenes*
Aung Ko Win, University of Melbourne, Carlton, VIC, Australia

1:00 p.m.-1:15 p.m.  Utah familial colorectal cancer risk model*
Robert J. Macinnis, Cancer Council Victoria, Melbourne, VIC, Australia

1:15 p.m.-3:30 p.m.  Poster Session B and Lunch
Ballroom D

3:30 p.m.-5:30 p.m.  Plenary Session 6: Risk Assessment for Lung and Other Smoking-Related Cancers
Ballroom C

Session Chair: John K. Field, University of Liverpool, Liverpool, United Kingdom

3:30 p.m.-4:00 p.m.  Risk prediction modeling in lung cancer: How can we improve?
John K. Field

4:00 p.m.-4:30 p.m.  Development and validation of risk models to select ever-smokers for CT lung-cancer screening
Hormuzd Katki, National Cancer Institute, Rockville, MD

4:30 p.m.-5:00 p.m.  Can biomarkers be used to improve risk prediction models on lung cancer?
Mattias A. Johansson, International Agency for Research on Cancer, Lyon, France

5:00 p.m.-5:15 p.m.  Effect of screening CT findings on lung cancer risk prediction within the National Lung Screening Trial*
Hilary A. Robbins, Johns Hopkins School of Public Health, Baltimore, MD

5:15 p.m.-5:30 p.m.  External validation of a risk prediction model for lung cancer among smokers*
Lori C. Sakoda, Kaiser Permanente, Oakland, CA

*Short talk from proffered abstract
5:30 p.m.-6:30 p.m.  **Keynote Address**
Ballroom C

**Introduction**
Graham A. Colditz, Washington University in St. Louis, St. Louis, MO

Maximizing the impact of risk prediction models: Leveraging lessons learned from risk communication research
William MP Klein, NCI-DCCPS, Rockville, MD

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**Saturday, November 19**

7:30 a.m.-8:30 a.m.  **Breakfast with Mentoring Roundtables**
Ballroom D

8:30 a.m.-10:30 a.m.  **Plenary Session 7: Decreasing Risk Through Improved Lifestyles: Using What We Know**
Ballroom C

**Session Chair: Graham A. Colditz,** Washington University in St. Louis, St. Louis, MO

8:30 a.m.-9:00 a.m.  Translating evidence to action: Yourdiseaserisk.wustl.edu
Graham A. Colditz

9:00 a.m.-9:30 a.m.  Using risk assessment tools to motivate behavior change
Erika A. Waters, Washington University School of Medicine in St. Louis, St. Louis, MO

9:30 a.m.-10:00 a.m.  Reducing cancer risk by enabling women to breastfeed
Alison M. Stuebe, University of North Carolina, Chapel Hill, NC

10:00 a.m.-10:15 a.m.  Development of a cancer risk prediction tool for use in the Risk Estimation For Lifestyle Enhancement Combined Trial (REFLECT)*
Artitaya Lophatananon, University of Manchester, Nottingham, England

10:15 a.m.-10:30 a.m.  Projecting individualized absolute risk of developing gastric cancer in Koreans*
Minkyo Song, National Cancer Institute, Rockville, MD

10:30 a.m.-11:00 a.m.  **Break**
Ballroom C Foyer

*Short talk from proffered abstract
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| **11:00 a.m.-1:00 p.m.** | **Plenary Session 8: Implementation of Risk Prediction to Improve Health**  
Ballroom C |  
**Session Chair:** Jon Emery, University of Melbourne, Melbourne, Australia |
| 11:00 a.m.-11:30 a.m. | Developing and evaluating cancer risk assessment tools for primary care  
Jon Emery |  |
| 11:30 a.m.-12:00 p.m. | Implementation of risk prediction to improve health: The promises and challenges of precision  
Barnett S. Kramer, National Institutes of Health, Rockville, MD |  |
| 12:00 p.m.-12:30 p.m. | The use of cancer screening tests among populations at increased risk of cancer  
Mary C. White, Centers for Disease Control & Prevention, Atlanta, GA |  |
| 12:30 p.m.-12:45 p.m. | Effect of cancer risk and patient preferences on net benefit of lung cancer screening:  
A personalized lung cancer screening model*  
Pianpian Cao, University of Michigan School of Public Health, Ann Arbor, MI |  |
| 12:45 p.m.-1:00 p.m. | Comprehensive colorectal cancer risk prediction to inform personalized screening and intervention*  
Jihyoun Jeon, University of Michigan, Ann Arbor, MI |  |
| **1:00 p.m.** | **Closing Remarks and Departure**  
Ballroom C |  
Susan E. Hankinson, University of Massachusetts, Amherst, MA  
Chair, AACR Molecular Epidemiology Working Group |