



Risk Models Stem Cells
Chemopreventive Agents Genetics
Vaccines Novel Targets
Tobacco Carcinogenesis Epigenetics
Public Health Systems Biology
Imaging Inflammation
Nutrition Lifestyle Factors
Biomarkers DNA Damage and Repair Health Disparities
Public Policy New Technologies
Behavioral Science Energy Balance
Antiangiogenesis Early Detection Research
Drug Discovery Tumor Microenvironment
Molecular Epidemiology Population Sciences
Communications Prevention Trials
Targeted Organ Site Research

Sixth Annual AACR International Conference

Frontiers in Cancer Prevention Research

The world's most comprehensive
transdisciplinary cancer prevention meeting

2007 December 5-8
Philadelphia Marriott Downtown
Philadelphia, PA



*American Association
for Cancer Research*

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and the American Association for Cancer Research

Program and Proceedings

Wednesday, December 5, 2007

11:15 a.m.-12:45 p.m. Professional Advancement Session

Waun Ki Hong, Chairperson, Liberty B, p. 22

1:00 p.m.-2:30 p.m. Educational Sessions 1-3

Carcinogens Cause Cancer: Recent Advances, Stephen S. Hecht, Chairperson, Salons I-J, p. 23

Transdisciplinary Research in Action: Prostate, Cervical, and Tobacco-Related Cancer, Caryn Lerman, Chairperson, Salons K-L, p. 23

Tumor Microenvironment, Adriana Albini and Michael B. Sporn, Co-Chairpersons, Franklin I, p. 24

2:30 p.m.-4:00 p.m. Educational Sessions 4-6

Preclinical Models for Prevention, Ming You, Chairperson, Salons K-L, p. 25

Prevention Clinical Trials for the Non-clinician, Scott M. Lippman, Chairperson, Franklin I, p. 25

Stem Cells, Michael F. Clarke and Timothy C. Wang, Co-Chairpersons, Salons I-J, p. 25

4:00 p.m.-5:30 p.m. Educational Sessions 7-10

Cancer Systems Biology, Gordon B. Mills, Chairperson, Salons K-L, p. 27

Perception of Cancer Risk: Does It Matter?, Michael E. Stefanek, Chairperson, Franklin 2, p. 27

Signal Transduction Pathways as Targets for Chemoprevention, Jonathan M. Kurie, Chairperson, Salons I-J, p. 28

Translational Regulation: A Promising Target for Cancer Prevention, Nancy H. Colburn, Chairperson, Franklin I, p. 28

5:30 p.m.-6:00 p.m. Coffee Break

Grand Ballroom Foyer

6:00 p.m.-8:00 p.m. Opening Session

Salons G-H, p. 29

Welcome and Remarks
Margaret Foti and Andrew J. Dannenberg

Keynote Addresses

Inflammation and cancer prevention: Is there a link?
Raymond N. DuBois

Distinguished Lecture on Targets for Cancer Prevention

Nuclear receptors: Metabolic engineering and the dawn of synthetic physiology
Ronald M. Evans

8:00 p.m.-10:00 p.m. Opening Reception

Liberty Ballroom, p. 29

Thursday, December 6, 2007

7:00 a.m.-8:00 a.m. Meet-the-Expert Sessions 1-3

Pharmacogenetics of NSAIDs and Folate in Colorectal Cancer: Where to Next?, Cornelia M. Ulrich, Independence Ballroom, p. 30

Prevention Research That Makes a Public Health Difference, Michael J. Thun, Liberty C, p. 30

Tertiary Prevention: Quality Care and Outcomes for Cancer Survivors, Alfred I. Neugut, Liberty A, p. 30

8:00 a.m.-10:00 a.m. Plenary Session 1

Predicting Cancer Risk: Advances in Genetics, Biomarkers, and Behavioral Science, Kenneth Offit, Chairperson, Salons G-H, p. 31

10:00 a.m.-10:30 a.m. Coffee Break

Grand Ballroom Foyer

10:00 a.m.-12:00 p.m. Concurrent Sessions 1-4

Epigenomics and Cancer Prevention, Victoria M. Richon and James G. Herman, Co-Chairpersons, Salons K-L, p. 32

Hereditary Cancer Syndromes, Steven M. Lipkin, Chairperson, Franklin 2, p. 32

Science of Policy-related Interventions in Tobacco Control, K. Michael Cummings, Chairperson, Salons I-J, p. 33

Xenobiotic Metabolism and Cancer, Philip Lazarus, Chairperson, Franklin I, p. 33

1:00 p.m.-3:00 p.m. Concurrent Sessions 5-8

Bioactive Food Components and Cancer Prevention, Thomas W. Kensler, Chairperson, Franklin 2, p. 34

Clinical Prevention Trials, Eva Szabo, Chairperson, Salons I-J, p. 34

Lung Cancer Screening: Promise and Pitfalls, Christine Dorothy Berg, Chairperson, Salons K-L, p. 35

New Approaches for Old (and New) Drugs as Cancer Preventive Agents, Andrea U. Decensi, Chairperson, Franklin I, p. 35

2:30 p.m.-3:00 a.m. Coffee Break
Exhibit Hall

3:00 p.m.-5:00 p.m. Plenary Session 2

Immune System as a Target for Prevention, Lisa M. Coussens, Chairperson, Salons G-H, p. 36

5:00 p.m.-6:00 p.m. AACR-Prevent Cancer Foundation Award Lecture
Leslie Bernstein, Salons G-H, p. 37

6:00 p.m.-7:30 p.m. Behavioral Science Networking Event
Independence Ballroom, p. 36

8:00 p.m.-9:30 p.m. MEG Special Session and Reception
Liberty C, p. 36

6:00 p.m.-8:00 p.m.

Poster Session A

Franklin Hall B, p. 38

Behavioral and Social Science

Decision Making
Diffusion and Dissemination
Genetic Testing and Counseling
Health Disparities
Health Economics, Policy, and Outcomes
Obesity, Diet, Physical Activity, and Energy Balance
Prevention Behaviors
Quality of Life/Late Effects/Survivorship
Risk Communication
Screening and Early Detection
Tobacco

Biomarkers and Early Detection Research

Biomarkers of Cancer Susceptibility
Biomarkers of Carcinogen Exposure
Biomarkers of Premalignant Lesions
Cancer Surveillance and Screening
Imaging
Intervention Studies
Molecular Diagnostics
Novel Assay Technologies
Other Biomarkers and Early Detection Research

Cell, Molecular, and Tumor Biology

Angiogenesis and Invasion
Cancer Genetics/Gene Expression
Cell Death
Cell Growth Signaling Pathways
DNA Methylation/Epigenetics and Chromatin Regulation
Inflammation and Cancer Initiation and Promotion
Oncogenes/Tumor Suppressor Genes
Stem Cell Biology

Chemoprevention and Biological Therapies

Anti-inflammatory Therapy
Biological Agents
Combination Chemoprevention
Drug Design and Optimization
Infectious Agents and Cancer
Mechanisms of Chemoprevention
New Molecular Targets/Mechanisms of Drug Action
Nuclear Receptors
Pharmacology, Pharmacogenetics, and Pharmacogenomics
Other Chemoprevention and Biological Therapies Research

Friday, December 7, 2007

7:00 a.m.-8:00 a.m. Meet-the-Expert Sessions 4-6

Models of Esophageal Cancer: Implications for Prevention and Therapy, Anil K. Rustgi, Liberty C, p. 48

Prediction of Risk and Outcome: An Integrative Epidemiologic Approach, Margaret R. Spitz, Liberty A, p. 48

Who Gets Genetic Testing and Why?, Suzanne M. Miller, Independence Ballroom, p. 48

8:00 a.m.-10:00 a.m. Plenary Session 3

Obesity, Metabolism, and Cancer, Craig B. Thompson, Chairperson, Salons G-H, p. 49

10:00 a.m.-12:00 p.m. Concurrent Sessions 9-12

Application of Mass Spectrometry to Detection and Prevention, Ian A. Blair and Elise C. Kohn, Co-Chairpersons, Franklin 2, p. 50

Bioactive Lipids and Cancer Prevention, Makoto Mark Taketo and Timothy Hla, Co-Chairpersons, Franklin I, p. 50

***Helicobacter pylori* and Gastric Cancer**, Pelayo Correa and James G. Fox, Co-Chairpersons, Salons K-L, p. 51

Pathway Discovery and Molecular Signatures for Cancer Risk, Peter G. Shields and Thomas A. Sellers, Co-Chairpersons, Salons I-J, p. 51

10:00 a.m.-10:30 a.m. Coffee Break

Grand Ballroom Foyer

1:00 p.m.-3:00 p.m. Concurrent Sessions 13-17

Biological versus Social Constructs of Health Disparities, Olufunmilayo I. Olopade, Chairperson, Franklin 13, p. 52

Colon Cancer Prevention: Current Clinical Applications, Monica Marie Bertagnolli, Chairperson, Salons I-J, p. 52

Melanoma and Non-melanoma Skin Cancer, Frank L. Meyskens Jr., Chairperson, Franklin I, p. 53

Novel Targets for Prevention of Breast Cancer, Powel H. Brown, Chairperson, Salons K-L, p. 53

Progression and Prevention of Barrett's Esophagus, Carlo C. Maley, Chairperson, Franklin 2, p. 54

2:30 p.m.-3:00 a.m. Coffee Break

Exhibit Hall

3:00 p.m.-5:00 p.m. Plenary Session 4

Imaging Pre-malignant Disease and Cancer, Gary J. Kelloff and Mitchell D. Schnall, Co-Chairpersons, Salons G-H, p. 55

5:00 p.m.-6:00 p.m. Controversy Sessions 1-2

SERMs versus Aromatase Inhibitors, Powel H. Brown, Moderator, Salons K-L, p. 56

Smokeless Tobacco: A Substitute for Smoking?, Stephen S. Hecht, Moderator, Franklin I, p. 56

5:00 p.m.-6:00 p.m. Special Session

Food, Nutrition, Physical Activity, and the Prevention of Cancer: A Global Perspective, Tim E. Byers, Salons I-J, p. 57

5:00 p.m.-7:00 p.m.

Poster Session B

Franklin Hall B, p. 120

Carcinogenesis

Animal Models of Carcinogenesis and Chemoprevention
Carcinogen Activation and Carcinogen-detoxifying
Enzymes

DNA Damage and Repair Mechanisms
Environmental and Radiation Carcinogenesis
Infections and Carcinogenesis
Other Carcinogenesis Research
Oxidative Stress and Carcinogenesis
Tumor Promotion and Progression

Clinical Prevention Trials

Breast Cancer
Colon and Other Gastrointestinal Cancers
Head and Neck Cancers
Ovarian and Other Gynecological Cancers
Prostate and Other Genitourinary Tract Cancers

Epidemiology/Lifestyle Factors

Behavioral Epidemiology
Cancer in Aging Populations
Cancer in Minority and Medically
Underserved Populations
Diet and Cancer
Exercise and Prevention
Familial and Genetic Epidemiology
General Epidemiology and Biostatistics
Obesity, Metabolism, and Cancer
Other Epidemiology/Lifestyle Factors Research
Other Molecular Epidemiology
Other Risk Factors
Tobacco and Cancer

**Preclinical and Translational Organ Site
Prevention Studies**

Breast Cancer
Colon and Other Gastrointestinal Cancers
Head and Neck Cancers
Lung Cancer
Melanoma and Skin Cancer
Ovarian and Other Gynecological Cancers
Prostate and Other Genitourinary Tract Cancers

Saturday, December 8, 2007

8:00 a.m.-10:00 a.m. Plenary Session 5

**Understanding and Preventing Cancers Due to
Microbes**, Silvia Franceschi and Martin J. Blaser,
Co-Chairpersons, Salons G-H, p. 67

10:00 a.m.-10:30 a.m. Coffee Break
Grand Ballroom Foyer

10:00 a.m.-12:00 p.m. Concurrent Sessions 18-21

**Basic and Translational Advances in Lung
Carcinogenesis and Chemoprevention**, Fadlo R.
Khuri and Steven M. Dubinett, Co-Chairpersons,
Salons K-L, p. 68

**Informed Decision-Making for Cancer Screening
and Prevention**, Peter A. Ubel, Chairperson,
Franklin 2, p. 68

Issues in the Use of Intermediate Endpoints,
Ernest T. Hawk and Ronald A. Lubet, Co-Chairpersons,
Salons I-J, p. 69

**Prostate Cancer Prevention: Translating from the
Bench to the Bedside to the Nation**, Ian M.
Thompson, Chairperson, Franklin I, p. 69

12:00 p.m.-3:00 p.m.

CANCER ANSWERS-A Public Forum
Salons G-H, p. 70