

SCHEDULE AT A GLANCE AND CONFERENCE PROGRAM

Saturday, October 27

11:30 a.m.-1:00 p.m. **Professional Advancement
Session**

Transdisciplinary Approaches for Addressing Cancer Health Disparities

Chairperson: Chanita Hughes-Halbert, Douglas Pavilion A,
p. 21

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

Educational Session 1: Clinical Trials: Designing Clinical Trial Strategies

Chairperson: Marvella E. Ford, Douglas Pavilion A,
p. 22

Educational Session 2: Use of Genetic Ancestry in Cancer Disparities Research

Chairperson: Rick A. Kittles, Douglas Pavilion B,
p. 22

2:45 p.m.-4:15 p.m. **Educational Sessions 3-4**

Educational Session 3: Biospecimen Collection and Biobanking: Implications in the Diagnosis and Therapy of Cancer for Underserved Patients

Chairperson: Carolyn C. Compton, Douglas Pavilion A, p. 23

Educational Session 4: Health Literacy in the Real World: Insights and Applications Relevant to Cancer Disparities

Chairperson: Rena J. Pasick, Douglas Pavilion B,
p. 23

6:30 p.m.-8:15 p.m. **Opening Plenary Session**
Douglas Pavilion A, p. 24

Welcome and Opening Remarks

Conference Co-Chairpersons: William G. Nelson,
Sidney Kimmel Comprehensive Cancer Center at
Johns Hopkins, Baltimore, MD, and **Christopher I. Li**,
Fred Hutchinson Cancer Research Center, Seattle, WA

Keynote Address

Howard K. Koh, Assistant Secretary for Health,
U.S. Department of Health and Human Services,
Washington, DC

**2012 AACR Distinguished Lecture on the
Science of Cancer Health Disparities**
Supported by Susan G. Komen for the Cure®

8:15 p.m.-10:15 p.m. **Opening Reception**
Douglas Pavilion C

Sunday, October 28

8:00 a.m.-9:45 a.m. **Plenary Session 1**

Obesity and Cancer: Who We Are, How We Live, and What We Do

Chairperson: Christopher I. Li, Douglas Pavilion A, p. 25

9:45 a.m.-11:00 a.m. **Special Session 1**

Multilevel Assessment and Perception of Risk of Cancer in Underserved Communities: The Center for Population Health and Health Disparities (CPHHD) Experience

Chairperson: Richard B. Warnecke, Douglas Pavilion A, p. 26

11:15 a.m.-1:00 p.m. **Plenary Session 2**

Hot Topics in Cancer Health Disparities Research

Chairperson: Marcia R. Cruz-Correa, Douglas Pavilion A, p. 27

2:30 p.m.-4:15 p.m. **Plenary Session 3**

Disparities in Cancer Pain Diagnosis and Provision of Palliative Care

Chairperson: Richard Payne, Douglas Pavilion A, p. 28

4:15 p.m.-6:45 p.m. **Poster Session A**

Douglas Pavilion B, p. 29

Analytical Methods

Administrative and Large-Scale Database Methods

Neighborhood Analysis

Statistical and Epidemiological Models

Behavioral and Social Science

Cancer Communications

Community-Based Interventions

Diffusion and Dissemination Research

Genetic Testing and Counseling

Health Education

Recruitment/Retention/Adherence Research

Biomarkers

Biomarkers in Cancer Surveillance and Screening

Biomarkers of Risk and Surrogate Endpoints

Cancer Treatment and Outcomes

Drug Design, Discovery, and Delivery

Late Effects/Survivorship

Mechanisms of Drug Action

Palliative Care and Pain Management

Pharmacology, Pharmacogenetics, and
Pharmacogenomics

Quality of Life

Other

Epidemiology, Lifestyle, and Genetics

Neighborhood Factors

Obesity, Metabolism, and Cancer

Race, Admixture, and Ethnicity

Stress

Tobacco and Cancer

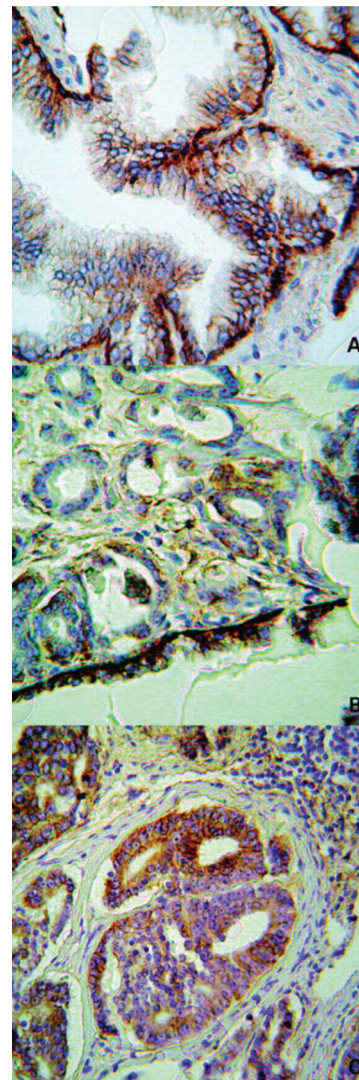
Other Risk Factors

Prevention Research

Preclinical Prevention Studies

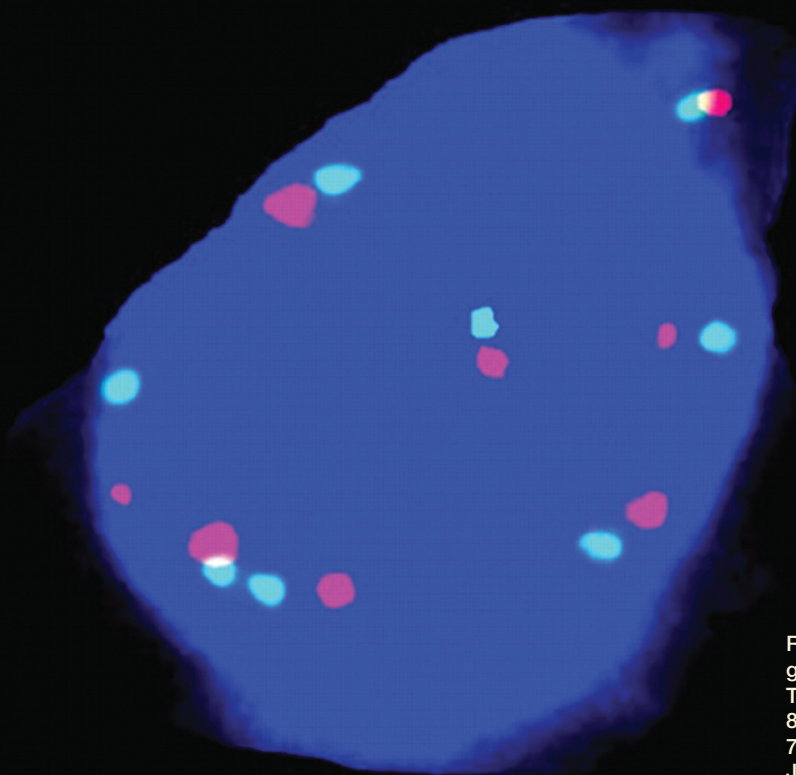
Prevention Behaviors

Screening and Early Detection



Examples of EGFR immunostainings.
Schlomm T *et al. Clin Cancer Res*
2007;13:6579-6584

SCHEDULE AT A GLANCE AND CONFERENCE PROGRAM



Representative interphase FISH analysis of a gastric tumor sample without MET amplification. The MET signal in red is associated with 8 individual copies of chromosome 7 centromere in green (polyploidy).
Janjigian Y Y *et al. Cancer Epidemiol Biomarkers Prev* 2011;20:1021-1027

Monday, October 29

8:00 a.m.-9:45 a.m. **Plenary Session 4**

Tobacco and Global Health

Chairperson: Jonathan M. Samet, Douglas Pavilion A, p. 36

9:45 a.m.-11:00 a.m. **Forum 1**

Policy Forum

Chairperson: Jon Retzlaff, Douglas Pavilion A, p. 37

11:15 a.m.-1:00 p.m. **Plenary Session 5**

Global Health Disparities in Cancer

Chairperson: Jorge Gomez, Douglas Pavilion A, p. 38

1:45 p.m.-3:00 p.m.

Special Session 2

Training and Funding Opportunities in Cancer Health Disparity Research

Chairperson: Michael M. Gottesman, Douglas Pavilion A, p. 39

3:00 p.m.-4:45 p.m.

Plenary Session 6

Inflammation and Cancer

Chairperson: Curtis C. Harris, Douglas Pavilion A, p. 40

4:45 p.m.-7:15 p.m.

Poster Session B

Douglas Pavilion B, p. 41

Behavioral and Social Science

Community-Based Participatory Research

Decision Making

Socioeconomic Influences

Other

Carcinogenesis

Animal Models of Carcinogenesis

Cell, Molecular, and Tumor Biology

Cell Growth Signaling Pathways

DNA Methylation/Epigenetics and Chromatin Regulation

Viral Oncogenesis and Mechanisms

Other

Epidemiology, Lifestyle, and Genetics

Behavioral Epidemiology

Diet and Nutrition

Exercise and Prevention

Familial and Genetic Epidemiology

General Epidemiology and Biostatistics

Molecular Epidemiology

Health Economics, Outcomes, and Policy Research

Healthcare Systems

Health Economics, Policy, and Outcomes

Treatment Factors and Outcomes

Organ Site Research

Breast Cancer

Colorectal Cancer

Genitourinary Cancers

Gynecological Cancers

Lung Cancer

Prevention Research

Screening and Early Detection

Vaccines and Immunoprevention

Tuesday, October 30

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

Plenary Session 7

The Impact of Genomics in Understanding Cancer Biology Across Populations

Chairperson: John D. Carpten, Douglas Pavilion A, p. 48

10:00 a.m.-11:15 a.m.

Forum 2

Community-Based Participatory Research to Reduce Cancer Health Disparities: Current and Future Perspectives

Chairperson: Chanita Hughes-Halbert, Douglas Pavilion A, p. 49

11:15 a.m.-1:00 p.m.

Plenary Session 8

Eliminating Colorectal Cancer Health Disparities: Can It Be Done?

Chairperson: Electra D. Paskett, Douglas Pavilion A, p. 50

1:00 p.m.-1:15 p.m.

Closing Remarks

Douglas Pavilion A

2012-2013 UPCOMING CONFERENCES

AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics

Scientific Committee Co-Chairpersons: Stefan Sleijfer, James H. Doroshow, and Kenneth C. Anderson
November 6-9, 2012 • Dublin, Ireland

Post-GWAS Horizons in Molecular Epidemiology: Digging Deeper into the Environment

Co-Chairpersons: Shelley S. Tworoger and Cornelia M. Ulrich
November 11-14, 2012 • Hollywood, FL

Tumor Immunology: Multidisciplinary Science Driving Basic and Clinical Advances

Co-Chairpersons: Glenn Dranoff, Elizabeth M. Jaffee, and Stanley Riddell
December 2-5, 2012 • Miami, FL

Tumor Invasion and Metastasis

Co-Chairpersons: Bruce R. Zetter and Zena Werb
January 20-23, 2013 • San Diego, CA

Ninth AACR-JCA Joint Conference: Breakthroughs in Basic and Translational Cancer Research

Co-Chairpersons: Tyler Jacks and Kohei Miyazono
February 21-25, 2013 • Maui, HI

AACR-SNMMI Joint Conference on State-of-the-Art Molecular Imaging in Cancer Biology

Co-Chairpersons: David Piwnica-Worms and Carolyn Anderson
February 27-March 2, 2013 • San Diego, CA

AACR Annual Meeting 2013

Program Committee Chairperson: José Baselga
April 6-10, 2013 • Washington, DC

Synthetic Lethal Approaches to Cancer Vulnerabilities

Co-Chairpersons: William C. Hahn, Louis Staudt, and Sebastian Nijman
May 17-20, 2013 • Bellevue, WA

Chromatin and Epigenetics in Cancer

Co-Chairpersons: Suzanne J. Baker and Charles W. M. Roberts
June 19-22, 2013 • Atlanta, GA

Frontiers in Basic Cancer Research

Co-Chairpersons: Scott W. Lowe, Hans Clevers, Joan Brugge, and David Ruggero
September 18-22, 2013 • National Harbor, MD

Advances in Ovarian Cancer Research: From Concept to Clinic

Co-Chairpersons: Douglas A. Levine, David G. Huntsman, and Sandra Orsulic
September 18-21, 2013 • Miami, FL

Advances in Breast Cancer Research

Co-Chairpersons: Carlos L. Arteaga, Jeffrey M. Rosen, Jane E. Visvader, and Douglas Yee
October 3-6, 2013 • San Diego, CA

AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics

Scientific Committee Co-Chairpersons: Jeffrey A. Engleman, James H. Doroshow, and Sabine Tejpar
October 19-23, 2013 • Boston, MA

Twelfth Annual International Conference on Frontiers in Cancer Prevention Research

Chairperson: Paul Limburg
October 27-30, 2013 • National Harbor, MD

Pediatric Cancer at the Crossroads: Translating Discovery into Improved Outcomes

Co-Chairpersons: John M. Maris, Lee J. Helman, Michael B. Kastan, James R. Downing, and Stella M. Davies
November 3-6, 2013 • San Diego, CA

The Translational Impact of Model Organisms in Cancer

Co-Chairpersons: A. Thomas Look, Cory Abate-Shen, and Terry A. van Dyke
November 5-8, 2013 • San Diego, CA

Please visit www.aacr.org/meetingcalendar for additional conferences and program updates.

Professional Advancement Session

Saturday, October 27 • 11:30 a.m.-1:00 p.m.

Transdisciplinary Approaches for Addressing Cancer Health Disparities

Organized by the Minorities in Cancer Research (MICR) Council

Douglas Pavilion A

Chairperson: Chanita Hughes-Halbert, Medical University of South Carolina Hollings Cancer Center, Charleston, SC

This informative Professional Advancement Session provides a forum in which students, postdoctoral candidates, and junior investigators can discuss important career development issues in cancer health disparities, including working effectively as part of a multidisciplinary research team, successful grantsmanship, and developing a research focus and program. Established senior scientists will address these topics through a facilitated panel discussion.

All conference registrants are invited to attend this session at no additional cost. A complimentary lunch will be served.

Panelists:

Rick A. Kittles, University of Illinois at Chicago, Chicago, IL

Electra D. Paskett, The Ohio State University Comprehensive Cancer Center, Columbus, OH

Lucile L. Adams-Campbell, Georgetown Lombardi Comprehensive Cancer Center, Washington, DC

Claudia R. Baquet, University of Maryland School of Medicine, Baltimore, MD

John D. Carpten, Translational Genomics Research Institute, Phoenix, AZ

Educational Sessions 1-2

Saturday, October 27 • 1:00 p.m.-2:30 p.m.

Educational Session 1

Clinical Trials: Designing Clinical Trial Strategies

Douglas Pavilion A

Chairperson: Marvella E. Ford, Medical University of South Carolina, Hollings Cancer Center, Charleston, SC

The purpose of this educational session is to provide an overview of a conceptual framework related to recruitment of diverse populations to cancer clinical trials. Examples of the application of the framework to trial recruitment and community-based trial education and awareness activities will be presented. The session will begin with an overview of the science of recruitment and an introduction of the conceptual framework. Next, an application of the framework to the design of recruitment strategies with African American men in the Selenium and Vitamin E Cancer Prevention Trial (SELECT) will be described. In the third presentation, the outcomes of the application of the framework to a community-based cancer clinical trial education program will be provided. The third presentation will provide the outcomes of an application of the framework to a community-based clinical trial education program focusing on African American adults. The fourth presentation will highlight critical challenges facing scientists who focus on the recruitment and retention of ethnically diverse populations and recommendations for making progress in this field.

Overview of science of recruitment

Marvella E. Ford

Employing a community partnership approach to recruit African American men to a cancer prevention trial* [ED01-02]

Elise D. Cook, The University of Texas MD Anderson Cancer Center, Houston, TX

Improving perceptions of clinical trials in predominantly African American communities in South Carolina

Marvella E. Ford

Advancing the science of recruitment and retention of ethnically diverse populations* [ED01-04]

Anna M. Nápoles, University of California, San Francisco, CA

Educational Session 2

Use of Genetic Ancestry in Cancer Disparities Research

Douglas Pavilion B

Chairperson: Rick A. Kittles, University of Illinois, Chicago, IL

The aim of this educational session is to familiarize participants with the concept of genetic ancestry and its application to cancer disparities studies. This session will provide a brief but useful introduction to methods used to infer population structure, individual genetic ancestry, and admixture mapping. Ancestry informative markers (AIMs) and the use of genetic ancestry have been instrumental in deconstructing race in order to understand disparate disease risk and poor health outcomes. Here we provide an overview on AIMs and genetic ancestry and their use in admixture mapping for prostate and lung cancer genes and understanding cancer risk factors.

Overview on genetic ancestry and its use in cancer disparities research* [ED02-01]

Rick A. Kittles

Admixture mapping in lung and prostate cancer

Cathryn H. Bock, Wayne State University School of Medicine, Detroit, MI

Gaining epidemiologic insights from ancestry associations with cancer risk factors* [ED02-03]

Lisa B. Signorello, Harvard School of Public Health, Boston, MA

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Educational Sessions 3-4

Saturday, October 27 • 2:45 p.m.-4:15 p.m.

Educational Session 3

Biospecimen Collection and Biobanking: Implications in the Diagnosis and Therapy of Cancer for Underserved Patients

Douglas Pavilion A

Chairperson: Carolyn C. Compton, Critical Path Institute, Tucson, AZ

Biospecimens are the gateway to molecular information about cancer patients and their specific malignancies. They are the central source of data essential for increasing knowledge of disease biology, developing new therapies, defining relevant biomarkers of disease, developing new biomarker assays, defining response to therapy, and delivering the best patient care. Thus, the availability of high-quality biospecimens is central to meeting challenges of cancer health disparities. Biospecimens must be collected and banked in ways that assure that they are molecularly fit for the analysis for which they are intended in order to produce high-quality data for both research and clinical management within the realm of cancer health disparities. Their value is also directly linked to the amount and quality of informative clinical data associated with the biospecimens and to the consent given for their research use. Education and outreach to increase understanding of the importance of biospecimen donation and establishment of infrastructure required to collect, store, and distribute donated specimens in ways that assure their quality are critically needed.

Introduction/Overview

Carolyn C. Compton

Part 1: Biospecimen Community Education/Outreach (Panel Discussion)

Minority and rural population views and consent preferences for biospecimen and biobank donation* [ED03-01]

Claudia R. Baquet, University of Maryland, Baltimore, MD

Hoy y Mañana (Translation: Today and Tomorrow): A biospecimen community education/outreach program for Latinos* [ED03-02]

Elisa M. Rodriguez, Roswell Park Cancer Institute, Buffalo, NY

Translating research into practice: Results of the WINCART Center Biospecimen Pilot Study and community outreach efforts* [ED03-03]

Patchareeya P. Kwan, Claremont Graduate University School of Community and Global Health, Claremont, CA

Part 2: Biospecimen Science and Technology Development to Benefit Disparities (Presentations)

Biospecimen science and health disparities

Helen Moore, National Cancer Institute, Bethesda, MD

Innovative technology development to advance biospecimen science* [ED03-05]

Anthony Dickherber, National Cancer Institute, Bethesda, MD

Educational Session 4

Health Literacy in the Real World: Insights and Applications Relevant to Cancer Disparities

Douglas Pavilion B

Chairperson: Rena J. Pasick, UCSF Helen Diller Family Comprehensive Cancer Center, San Francisco, CA

Health literacy (the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions) is fundamental to communication across the cancer continuum from prevention through survivorship. Yet understanding of the prevalence and implications of limited health literacy and strategies to address the literacy chasm has not translated broadly into clinical care or community education. As a result, advances in biomedical science may be poised to exacerbate disparities between those for whom highly complex concepts, terms, and practices are accessible and actionable and the many for whom this is not the case.

This workshop will apply insights from English-as-a-second-language (ESL) practice to cancer disparities research and practice, and consider the limits and possibilities of health information technology in relation to health literacy.

Introduction

Rena J. Pasick

Being literate, “doing” literacy, and staying healthy: Insights on health literacy from the adult ESL classroom

Maricel G. Santos, San Francisco State University, San Francisco, CA

Health literacy and health information technology: Promises and pitfalls* [ED04-03]

Urmimala Sarkar, University of California, San Francisco, CA

Summary

Rena J. Pasick

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Opening Plenary Session

Saturday, October 27 • 6:30 p.m.-8:15 p.m.

Douglas Pavilion A

Welcome

Conference Co-Chairpersons: **William G. Nelson**, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, Baltimore, MD; and

Christopher I. Li, Fred Hutchinson Cancer Research Center, Seattle, WA

Keynote Address



Howard K. Koh M.D., M.P.H.

Assistant Secretary for Health, U.S. Department of Health and Human Services, Washington, DC

Dr. Howard K. Koh serves as the 14th Assistant Secretary for Health for the U.S. Department of Health and Human Services (HHS), after being nominated by President Barack Obama and confirmed by the U.S. Senate in 2009. Dr. Koh oversees 14 core public health offices, including the Office of the Surgeon General and the U.S. Public Health Service Commissioned Corps, 10 Regional Health Offices across the nation, and 10 Presidential and Secretarial advisory committees. He also serves as senior public health advisor to the Secretary. The Office of Assistant Secretary for Health implements an array of interdisciplinary programs relating to disease prevention, health promotion, the reduction of health disparities, women's and minority health, adolescent health, HIV/AIDS and chronic infectious diseases, vaccine programs, fitness, sports and nutrition, bioethics, population affairs, blood supply, research integrity, and human research protections. As the Assistant Secretary for Health, Dr. Koh is dedicated to the mission of creating better public health systems for prevention and care so that all people can reach their highest attainable standard of health.

2012 AACR Distinguished Lecture on the Science of Cancer Health Disparities

funded by Susan G. Komen for the Cure®

Opening Reception

Saturday, October 27 • 8:15 p.m.-10:15 p.m.

Douglas Pavilion C

Plenary Session 1

Sunday, October 28 • 8:00 a.m.-9:45 a.m.

Obesity and Cancer: Who We Are, How We Live, and What We Do

Douglas Pavilion A

Chairperson: Christopher I. Li, Fred Hutchinson Cancer Research Center, Seattle, WA

The obesity epidemic in the United States presents a major public health problem. It is highly relevant to cancer health disparities given the known influence of obesity on both the incidence and mortality for numerous cancers and the greater prevalence of obesity among many underserved populations. The purpose of this session is to approach this complex topic from multiple perspectives by examining recent advances in our understanding of the biology and genetics of obesity, how societal factors like the built environment contribute to obesity and disparities, and lastly the potential for interventions to improve outcomes among obese cancer survivors.

Introduction/Background

Christopher I. Li

Obesity and cancer: A mechanistic perspective

Stephen D. Hursting, University of Texas, Austin, TX

Racial/ethnic differences in the genetics of obesity* [PL01-03]

Jose R. Fernandez, University of Alabama, Birmingham, AL

Impact of the built environment on obesity* [PL01-04]

Theresa H. M. Keegan, Cancer Prevention Institute of California, Fremont, CA

Interventions to improve outcomes among obese cancer survivors

Lucile L. Adams-Campbell, Georgetown Lombardi Comprehensive Cancer Center, Washington, DC

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Special Session 1

Sunday, October 28 • 9:45 a.m.-11:00 a.m.

Multilevel Assessment and Perception of Risk of Cancer in Underserved Communities: The Center for Population Health and Health Disparities (CPHHD) Experience

Douglas Pavilion A

Chairperson: Richard B. Warnecke, University of Illinois, Chicago, IL

There is increasing interest in the role of risk assessment in the process of screening and early detection of cancers. However, in populations that have limited health literacy, have not been fully acculturated, or have experienced abuse by the standard medical culture, discussing risk may be problematic. These papers explore issues related to discussing risk in health care and community settings as well as potential methodological and ethical issues resulting from making risk assessments part of the standard of care. We see this as a multilevel issue because effective implementation of risk assessment may require input from native tribal governments, community members, health systems and institutional review boards, health professionals, ethicists, and the patient and patient's family.

Introduction

Richard B. Warnecke

Communicating risk in underserved populations

K. Vish Viswanath, Dana-Farber Cancer Institute, Boston, MA

Communicating breast cancer risk in the primary care environment

Kent F. Hoskins, University of Illinois College of Medicine, Chicago, IL

Objective and perceived risk of cervical cancer among Appalachian women* [SS01-04]

Electra D. Paskett, The Ohio State University Comprehensive Cancer Center, Columbus, OH

Multilevel breast cancer intervention in Latinas* [SS01-05]

Beti Thompson, Fred Hutchinson Cancer Research Center, Seattle, WA

Perspectives on risk in American Indian and Alaska Native populations

Dedra S. Buchwald, University of Washington, Seattle, WA

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Plenary Session 2

Sunday, October 28 • 11:15 a.m.-1:00 p.m.

Hot Topics in Cancer Health Disparities Research

Douglas Pavilion A

Chairperson: Marcia R. Cruz-Correa, University of Puerto Rico Comprehensive Cancer Center, San Juan, PR

This special Plenary Session highlights some of the most innovative, high-impact research being conducted in cancer health disparities. The abstracts selected for oral presentations in this session represent the top 4% of abstracts submitted for this conference as reviewed by the conference Co-Chairpersons, Organizing Committee, and Scientific Review Committee.

Genetic susceptibility, genetic ancestry, and breast cancer risk among Hispanic and non-Hispanic white women** [PR01]

Laura Fejerman, University of California, San Francisco, CA

Genetic variation in the vitamin D pathway and risk for colorectal cancer in African Americans** [PR02]

Fabio Pibiri, University of Illinois at Chicago, Chicago, IL

Investigation of transcriptome differences in breast cancer tissues from African American and East African patients with triple-negative breast cancer** [PR03]

Lisa Baumbach, Translational Genomics Research Institute, Phoenix, AZ

Prostate cancer risk and dietary folate in a multiethnic population: Higher intake increases risk in the California Collaborative Prostate Cancer Study** [PR04]

Glovioell W. Rowland, University of Southern California, Los Angeles, CA

The effect of language on the self-rated health of Latina breast cancer survivors: Cancer self-efficacy and spiritual well-being as potential mediators of this association** [PR05]

Maria DeLourdes Garcia-Jimenez, UC Berkeley-UC San Francisco Joint Medical Program, Berkeley, CA

Racial/ethnic differences in breast cancer survival and mediating effects of tumor characteristics, sociodemographic, and treatment factors** [PR06]

Erica T. Warner, Harvard School of Public Health, Boston, MA

Racial-ethnic disparities in patient-provider communication and overall perceptions of follow-up care quality among adult cancer survivors** [PR07]

Nynikka R.A. Palmer, Wake Forest School of Medicine, Winston-Salem, NC

**An extended abstract for this presentation is available in the Proffered Abstracts section of this book.

Plenary Session 3

Sunday, October 28 • 2:30 p.m.-4:15 p.m.

Disparities in Cancer Pain Diagnosis and Provision of Palliative Care

Douglas Pavilion A

Chairperson: Richard Payne, Duke University, Durham, NC

Cancer treatment outcomes, including pain and palliative care, in Asian populations

Marjorie Kagawa-Singer, UCLA Fielding School of Public Health, Los Angeles, CA

Cancer treatment outcomes, including pain and palliative care, in Latino populations

Guadalupe Palos, The University of Texas MD Anderson Cancer Center, Houston, TX

Disparities in cancer palliative care for medically underserved populations* [PL03-03]

Michael J. Fisch, The University of Texas MD Anderson Cancer Center, Houston, TX

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Poster Session A

Sunday, October 28 • 4:15 p.m.-6:45 p.m.

Douglas Pavilion B

Analytical Methods

Administrative and Large-Scale Database Methods

A01 No Maryland county left behind: Statewide intervention may reduce geographic disparities. Christina M. Bischoff, [Norma F. Kanarek](#).

Neighborhood Analysis

A02 Quantifying neighborhood-level socioeconomic status to address disparities in breast cancer mortality. [Melissa A. Miller](#), Yvonne Michael, Terry Hyslop.

A03 Racial and geographic disparities in late-stage prostate cancer diagnosis in Florida. Hong Xiao, Pierre Goovaerts, [Clement K. Gwede](#), Fei Tan, Youjie Huang, Georges Adunlin, Askal Ali.

A04 The distribution of mammography facility and census tract characteristics in Chicago. [Jenna Khan](#), Jennifer Orsi, Garth Rauscher, Anne Marie Murphy, Danielle Dupuy.

A05 Does community-level access to healthcare moderate the adverse effect of community socioeconomic deprivation on prostate and colorectal cancer mortality rates? [Vincent L. Freeman](#), Richard E. Barrett, Benjamin J. Booth, Sara L. McLafferty, Alisa Shockley, Joseph M. Simanis, Heather Pauls, Richard T. Campbell.

Statistical and Epidemiological Models

A06 Reducing decision errors in the paired comparison of the diagnostic accuracy of continuous screening tests. [Brandy M. Ringham](#), Todd A. Alonzo, John T. Brinton, Keith E. Muller, Deborah H. Glueck.

A08 Race and aggressive prostate cancer: Resolving bias introduced by treatment selection. [Russell B. McBride](#), Carlos Cordon-Cardo, Benjamin A. Rybicki.

A09 Uncovering nativity disparities in cancer patterns: A multiple imputation strategy to handle missing nativity data in the SEER database. [Jane R. Montealegre](#), Renke Zhou, E. Susan Amirian, Michele Follen, Michael E. Scheurer.

A10 How to adequately measure relative cancer survival in ethnically diverse populations. The Dutch experience. [Melina Arnold](#), Mieke Josepha Aarts, Jan Willem Coebergh.

Behavioral and Social Science

Cancer Communications

A11 A disparity of words: A comparison of offers to participate in cancer clinical trials by patient race. [Susan Eggly](#), Ellen Barton, Andrew Winckles, Louis A. Penner, Terrance L. Albrecht.

A12; PR07 Racial-ethnic disparities in patient-provider communication and overall perceptions of follow-up care quality among adult cancer survivors. [Nynikka R.A. Palmer](#), Neeraj K. Arora, Erin Kent, Laura Forsythe, Julia H. Rowland, Noreen Aziz, Kathryn E. Weaver.

A13 Closing the gap with podcast communication: Reducing health disparities through video podcasts utilization of breast and prostate cancer messages in the Tampa Bay community. [Mezelle Moore](#), [Maisha Standifer](#), Julie Baldwin, Deanna Wathington, Kevin Sneed, Kaylynn Brown.

A14 Cancer prevention information seeking and trust among Hispanic, Native American, and non-Hispanic white cancer patients and family members. [Tamar Ginossar](#).

Community-Based Interventions

A15 The role of family communication in cancer screening practices. [Adnan Hammad](#), Karen Patricia Williams, Ruth E. Zambrana, Cristian Meghea.

Poster Session A

Sunday, October 28 • 4:15 p.m.-6:45 p.m.

Douglas Pavilion B

A16 Promoting colorectal cancer screening in urban, minority populations with community health workers. Martha Sanchez, Maxine Ashby-Thompson, Judith S. Jacobson, Patricia Hepburn, Victor E. Grann.

A17 Improving cancer screening behaviors in Texas-Mexico border communities through targeted screening interventions. Thelma C. Hurd, Lourdes Rangel, Thankam Sunil, Virginia Mika-Seguín, Frank Moore, Otila Garcia, Lovell Jones.

A18 Development and implementation of a community-based clinical cancer outreach initiative. Laura T. Waldman, Brian F. Young, Ludmila A. Svoboda, Christopher S. Lathan.

A19 CASPER the colon: An innovative way to influence colorectal cancer screening. Katherine J. Briant, Elizabeth Carosso, Avigail Galvan, Adriana Moya, Noah Espinoza, Ilda Islas, Genoveva Ibarra, Sandra Linde, Beti Thompson.

A20 Using intervention mapping to plan a breast health promotion program for African immigrant women: A proposal. Ebun O. Odeneye.

A21 Exercising our AABCs: A community-based pilot intervention in African-American breast cancer survivors (AABCs). Nora L. Nock, Cynthia Owusu, Emily S. Kullman, Kris Austin, Beth Roth, Carl Harmon, Stephen Cerne, Halle Moore, Paul Hergenroeder, Mary Vargo, Hermione Malone, Michael Rocco, Hillard M. Lazarus, John P. Kirwan, Ellen Heyman, Nathan A. Berger.

A22 Single institution analysis of disparities in colon rectal cancer in Hispanics and non-Hispanics. Steven Yu, Maryam Shabihkhani, Afsaneh Barzi.

A23 Practice-based interventions addressing cancer and chronic medical conditions in Philadelphia, Pennsylvania, United States of America: From bench to bedside. Md. Ariful Haque Mollik.

A24 Sociocultural barriers to cervical cancer screening among church-going Latinas. Jessica Haughton, Dayana Chanson, Elva M. Arredondo, John P. Elder.

Diffusion and Dissemination Research

A25 A literature review of post-interview translation methods in qualitative research involving Hispanic/Latino populations. Uriel Castañeda, Idalid Franco, William Alago, Abraham Aragones, Ana Motta-Moss.

Genetic Testing and Counseling

A26 Retrospective comparison of African American and European American cases undergoing genetic counseling for personal or family history of cancer. Paola Raska, Anna Mitchell.

Health Education

A27 Addressing linguistic needs for non-native English speakers: Assessing video technology as a means for increasing cancer screening. Kate E. Murray, Amy Pan, Alice Mills, Maria Lourdes F. Reyes, Sahra Abdi, Hope Velarde, Pat Clark, Rachel Bennett, Veronica Villarreal, Alison Olsen.

Recruitment/Retention/Adherence Research

A28 Latino farm workers and non-farm workers and their experiences in providing biospecimens for research. Beti Thompson, Elizabeth Carosso, Ilda Islas, Genoveva Ibarra.

A29 Developing biospecimen and clinical research education materials for ethnic minorities and younger survivors. Sophia Yeung, Mayra Serrano, Kimlin Ashing-Giwa.

A30 Informed consent for cancer biobank research: Case series of patients with cancer disparities in rural Maine. Janet M. Hock, Deborah G. Morrison, Christopher C. Farah.

Poster Session A

Sunday, October 28 • 4:15 p.m.-6:45 p.m.

Douglas Pavilion B

A32 Do theoretical mediators differentiate adherent and non-adherent American Indian mammographic screeners? Preliminary results from one tribe. Wesley Petersen, Ann M. Nicometo.

A33 The utility of a state-wide cancer registry in recruiting a clinically representative population-based sample of young black women diagnosed with early-onset breast cancer. Devon Bonner, Tuya Pal, Christine Tallo, Susan T. Vadaparampil.

Biomarkers

Biomarkers in Cancer Surveillance and Screening

A34 How important is comprehensive rearrangement testing for BRCA mutations in African American women with early-onset breast cancer? Tuya Pal, Devon Bonner, Mohammad Akbari, Steven Narod, Susan Vadaparampil.

Biomarkers of Risk and Surrogate Endpoints

A35 Metabolomic profiling and the biochemical basis of prostate cancer racial disparity. Shaiju Kakkandan Vareed, Katrin Panzitt, Sumanta Basu, Vasanta Putluri, Tiffany Dorsey, Tiffany Wallace, Nagireddy Putluri, Sayeeduddin Mohammed, Michael Ittmann, Rick Kittles, George Michailidis, Stefan Ambs, Ganesh Palapattu, Arun Sreekumar.

Organ Site Research

Lung Cancer

A36 Predictors of radiation pneumonitis in patients with malignant lung tumors after chemoradiotherapy. Wafaa Gadallah.

Cancer Treatment and Outcomes

Drug Design, Discovery, and Delivery

A37 Discovery of novel luteinizing hormone releasing hormone (LHRH) peptides as a nanotherapeutic targeting drug delivery system for prostate, ovarian, breast, and cervical cancers. David J. Olivos, Mary R. Saunders, Yuanpei Li, Nasir Al Awwad, Kit S. Lam.

A38 Nanoreformulation of platinum-based drugs to address disparate cancer treatment outcomes. James W. Lillard, S. Singh, R. Singh.

Late Effects/Survivorship

A39 Health care barriers for rural and urban adult survivors of child and adolescent cancer. Anne C. Kirchhoff, Echo L. Warner, Elyse R. Park, Roberto E. Montenegro, Jennifer Wright, Antoinette M. Stroup, Mark Fluchel, Anita Y. Kinney.

A40 Body size and racial/ethnic differences in breast cancer survival. Marilyn L. Kwan, Bette J. Caan, Valerie S. Lee, Esther M. John, Scarlett Lin Gomez, Salma Shariff-Marco, Theresa H. Keegan, Allison W. Kurian, Leslie Bernstein, Yani Lu, Iona Cheng, Kristine R. Monroe, Richard Spoto, Cheryl Vigen, Anna H. Wu.

Mechanisms of Drug Action

A41 Dasatinib regulation of N-glycans induce anticancer activity in hematological and solid tumor malignancies. Mary R. Saunders, L. Renee Ruhaak, Cynthia Williams, David J. Olivos, Carol Stroble, Hyun Joo An, Suzanne Miyamoto, Carlito B. Lebrilla, Kit S. Lam.

Poster Session A

Sunday, October 28 • 4:15 p.m.-6:45 p.m.

Douglas Pavilion B

Palliative Care and Pain Management

A42 A nurse practitioner-directed palliative care intervention trial in racially diverse patients with metastatic cancer. Gerardo Colon-Otero, Mary Lesperance, Fauzia Rana, Robert Shannon, Jeffrey Sloan.

Pharmacology, Pharmacogenetics, and Pharmacogenomics

A43 EGFR-targeted therapy in African Americans with advanced non-small cell lung cancer: A prospective clinical, pharmacogenetic, and pharmacokinetic study. Mitch Phelps, Thomas Stinchcombe, James S. Blachly, Weiqiang Zhao, Larry J Schaaf, Sherri L Starrett, Gregory Otterson, William Hicks, Mark Socinski, Miguel Villalona-Calero.

Quality of Life

A45 Impact of a bilingual education intervention on the quality of life of Latina breast cancer survivors. Gloria Juarez, Gwen Uman, Betty Ferrell, Arti Hurria.

A46 Exploration of women's experiences with triple-negative breast cancer. Yasemin Turkman, M. Tish Knobf, Holly Powell Kennedy, Lyndsay N. Harris.

A47 Evaluating therapeutic care delay among Latina and European American cervical cancer survivors. Monica Rosales, Kimlin Ashing-Giwa.

A48 Does quality of life among cancer survivors differ by socioeconomic status? Elizabeth A Medeiros, Barbara Rodriguez, Sheila F. Castaneda, Patricia Gonzalez, Alicia Karagianes, Christina Buelna, Jessica T. Holscher, Gregory A. Talavera.

Other

A49 Mediators of racial/ethnic disparities in radiation treatment among breast cancer patients. Abigail Silva, Garth H. Rauscher, Rao D. Ruta, Kent Hoskins.

A50 Is there a reverse racial/ethnic disparity in chemotherapy treatment among breast cancer patients? Abigail Silva, Garth H. Rauscher, Kent Hoskins, Ruta D. Rao.

A51 Understanding community-based primary care providers' attitudes toward caring for breast cancer survivors. Zakiya Moton, Danielle Weston, Rebecca McFarland, Tamara Hamlish, Daniel Johnson, Maureen Mencarni, Shannon Lightner, Jean Becker, Funmi Olopade, Susan Hong.

A52 Receipt of adjuvant hormonal therapy among Medicaid enrollees diagnosed with hormone-receptor positive breast cancer, 2004-2007. Tisha M. Felder, Lincy S. Lal, Dana Stafkey-Mailey, Phoenix Do, Kevin Lu, Charles L Bennett.

Epidemiology, Lifestyle, and Genetics

Neighborhood Factors

A53 Proximity to clinic and time to diagnostic resolution after abnormal cancer screening in an urban safety net setting. Ann M. Han, Tracy Battaglia, Veronica M. Vieira, Sharon Bak, Tim Heeren, Clara Chen, Karen M. Freund.

A54 The association of county-level characteristics with the incidence of squamous cell carcinoma of the cervix in Hispanic women. Kristy K. Ward, Angelica M. Roncancio, Steven C. Plaxe.

A55 Place of residence modifies racial/ethnic disparities in the incidence of endometrial cancer. Travis-Riley K. Korenaga, Kristy K. Ward, Michael T. McHale, Cheryl C. Saenz, Steven C. Plaxe.

A56 The role of food distributors within small stores in San Diego, CA, and produce purchasing behavior among Latino grocery shoppers. Jennifer C. Sanchez, Julie Pickrel, Guadalupe X. Ayala.

Poster Session A

Sunday, October 28 • 4:15 p.m.-6:45 p.m.

Douglas Pavilion B

Obesity, Metabolism, and Cancer

A57 **Body mass index in relation to incident lung cancer in African American women.** Traci N. Bethea, Lynn Rosenberg, Marjory Charlot, Lucille L. Adams-Campbell, Julie R. Palmer.

A58 **Role of insulin-like growth factor binding protein acid labile complex in ER-PR- Her2+ breast cancer in African American women.** Padma Uppala.

Race, Admixture, and Ethnicity

A60 **Risk of developing invasive breast cancer risk in Hispanic women: A look across Hispanic subgroups.** Matthew P. Banegas, Mei Leng, Barry I. Graubard, Leo S. Morales.

A61 **Characterizing inflammatory breast cancer among Arab Americans in the California, Detroit, and New Jersey Surveillance, Epidemiology and End Results (SEER) registries (1988-2008).** Kelly A. Hirko, Amr S. Soliman, Mousumi Banerjee, Julie Ruterbusch, Joe B. Harford, Robert Chamberlain, Jon J. Graff, Sofia D. Merajver, Kendra Schwartz.

A62; PR01 **Genetic susceptibility, genetic ancestry, and breast cancer risk among Hispanic and non-Hispanic white women.** Laura Fejerman, Mariana C. Stern, Elad Ziv, Esther M. John, Gabriela Torres-Mejia, Lisa M. Hines, Roger Wolff, Wei Wang, Kathy Baumgartner, Anna Giuliano, Martha L. Slattery.

A63 **Hispanic patients in phase I cancer clinical trials: The Cancer Therapy and Research Center (CTRC) experience.** Marcela Mazo-Canola, Alberto Parra, Julie Rowe, Sukeshi Patel, Amelie G. Ramirez, Steven Weitman, Anand B. Karnad.

A64 **The impact of language barriers and immigration status on the care of Hispanic pediatric cancer patients.** Mark N. Fluchel, Anne Kirchhoff, Vannina Gwilliam, Roberto Montenegro, Anita Kinney.

A65 **Association between genetic ancestry and breast cancer tumor characteristics among admixed Latina and Native Hawaiian populations: The Multiethnic Cohort.** Sungshim L. Park, Hansong Wang, Christian P. Caberto, Maarit Tiirikainen, Lynne R. Wilkens, Laurence N. Kolonel, Brian E. Henderson, Christopher A. Haiman, Loic Le Marchand, Iona Cheng.

A66 **Admixture and fine mapping in African Americans identifies a susceptibility locus for prostate cancer on chromosome 7.** Julie J. Ruterbusch, Albert M. Levin, Rick Kittles, Benjamin A. Rybicki, Cathryn H. Bock.

A67 **Differences in the cancer burden for foreign-born versus U.S.-born Arab Americans living in metropolitan Detroit.** Kendra Schwartz, Julie J. Ruterbusch, Fatima Khan.

A68 **Cancer incidence among Arab Americans in California, Detroit, and New Jersey SEER registries, 2000.** Rachel Burkhart, Julie Ruterbusch, Amr Soliman, Rafael Meza, Kelly Hirko, John Graff, Kendra Schwartz.

Stress

A69 **The association between chronic stress and telomere length in African American men.** Samantha Simon, Wallace Sharif.

Tobacco and Cancer

A70 **Smoking, body mass index, and breast cancer risk: A pooled analysis of Hispanic and non-Hispanic white women from New Mexico.** Avonne E. Connor, Christina M. Pinkston, Richard N. Baumgartner, Kathy B. Baumgartner.

A71 **Smoking and breast cancer survival among New Mexican Hispanic and non-Hispanic white women.** Kathy B. Baumgartner, Christina Pinkston, Avonne Connor, Stephanie Denkhoff, Dongyan Yang, Richard N. Baumgartner.

Poster Session A

Sunday, October 28 • 4:15 p.m.-6:45 p.m.

Douglas Pavilion B

Other Risk Factors

A72 **Bilateral oophorectomy and cancer mortality in African American women.** Deborah A. Boggs, Julie R. Palmer, Lynn Rosenberg.

A73 **Biological implications of glycation in prostate cancer disparities.** Dion Foster, Victoria Findlay, Lourdes Nogueire, Deidre White, Emily Kistner-Griffin, Mahtabuddin Ahmed, Judith Salley, Marvella Ford, David Turner.

A74 **The impact of health-related legal issues on timely care among women with abnormal cancer screening.** Tracy A. Battaglia, Sarah W. Primeau, Sharon M. Bak, Timothy Heeren, Samantha Morton, Karen M. Freund.

A75 **Nativity disparities in late-stage diagnosis and cause-specific survival among Hispanic women with invasive cervical cancer: An analysis of Surveillance, Epidemiology, and End Results data.** Jane R. Montealegre, Renke Zhou, E. Susan Amirian, Michele Follen, Michael E. Scheurer.

A76 **Minority status as a contributing factor to health inequalities: A global perspective.** Solange Cox, Dan Li, Alicia Hulbert, Anthony Alberg, Malcolm V. Brock.

Prevention Research

Preclinical Prevention Studies

A77 **Preclinical multimodality imaging of metastatic prostate cancer xenograft models with 89Zr-J591.** Kofi Deh, Siddarth Chandrasekaran, Shoaib Fareedy, Joseph Osborne.

Prevention Behaviors

A78 **Cancer prevention and risk factors for three minority communities.** Lisa K. Bain, Emilie Edquid, Sahro Nor, Sara Aguilar, Maria Lourdes Reyes.

A79 **Perspectives of breast and cervical cancer screening among female African immigrants to the U.S.** Ezinne G. Ndukwe, Karen Patricia Williams, Vanessa Sheppard, Amr Soliman.

A80 **Adult Pacific Islanders in California: Comparing cancer screening behaviors, lifestyle, and nutrition to non-Hispanic whites and other minority subgroups.** Christina K. Holub, Maria Rosario Araneta, Dayana Chanson.

Screening and Early Detection

A82 **Heterogeneous demographic and cultural profiles of nonadherent Chinese-American patients to colorectal cancer screening: A latent class analysis.** Carol Strong, Cheng Shuang Ji, Wenchi Liang, Grace Ma, Roger Brown, Judy Huei-yu Wang.

A84 **Evidence of social influence promoting cancer knowledge and intent to obtain mammography among rural Latinas.** Rachel Ceballos, Yamile Molina, Beti Thompson.

A85 **Distance to mammography facilities modifies the effect of patient navigation on breast cancer screening adherence among female black Medicare beneficiaries in Baltimore City.** Aracelis Z. Torres, Darcy F. Phelan, Craig E. Pollack, Lee Bone, Jennifer Wenzel, Mollie Howerton, Gary R. Shapiro, Mary A. Garza, Lawrence Johnson, Carlos Castillo-Salgado, Jean G. Ford.

Poster Session A

Sunday, October 28 • 4:15 p.m.-6:45 p.m.

Douglas Pavilion B

A86 Regular use of screening service and its impact on stage at diagnosis of breast cancer in a multistate region of Appalachia. [Nengliang Yao](#), Roger T. Anderson, Fabian Camacho.

A87 “I didn’t know what to think. I thought I was going to die.” Latinas’ understanding and attitudes toward an abnormal Pap test result. [Elizabeth Carosso](#), Javiera Martinez, Matthew Banegas, Gloria Coronado, Beti Thompson.

A88 Perceived discrimination and cancer screening behaviors in U.S. Hispanics: Preliminary results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL) Sociocultural Ancillary Study. [Cristina Valdovinos](#), Carmen Isasi, Molly Jung, Heather Greenlee, Robert Kaplan, Frank J. Penedo, Rebeca A. Espinoza, Patricia Gonzalez, Vanessa L. Malcarne, Krista Perreira, Hugo Salgado, Melissa A. Simon, Lisa M. Wruck.

A89 Do patient tracking, follow up, and referral practices contribute to breast cancer disparities in a large urban area? Christine B. Weldon, [Jimmie Knight](#), Julia R. Trosman, Danielle Dupuy, Betty Broggenkamp, Julian C. Schink, Jennifer M. Orsi, Anne Marie Murphy.

A90 Ethnic differences in cancer worry following an abnormal mammogram result: The roles of risk perception and follow-up care beliefs. [Yamile Molina](#), Linda K. Ko, Beti Thompson, Shirley A.A. Beresford.

A91 Healthcare reform: Closing the health disparities gap. Where does patient navigation belong? [Michael A Preston](#), Katherine Glover-Collins, Dale Gray, Sharla Smith, Ronda Henry-Tillman.

A93 Contextualizing early detection: Lessons from lay definitions of colorectal cancer early detection. [Jean M Hunleth](#), Nancy Mueller, Aimee James.

A94 Cancer screening and related behaviors in five minority and special populations of Michigan. [May Darwish Yassine](#).

Plenary Session 4

Monday, October 29 • 8:00 a.m.-9:45 a.m.

Tobacco and Global Health

Douglas Pavilion A

Chairperson: Jonathan M. Samet, USC/Norris Comprehensive Cancer Center, Los Angeles, CA

This session covers the global tobacco epidemic and its contribution to health disparities. Universally, patterns of tobacco use are heterogeneous across populations with the highest smoking rates generally among those with lower education and income. The presentations in this session will describe the most recent data on tobacco use from the Global Adult Tobacco Survey (GATS). The potential role of genetics in contributing to cancer health disparities will be explored as will the challenges of tobacco control in minorities. The session ends with the topic of the Framework Convention on Tobacco Control (FCTC), a global public health treaty that provides a powerful platform for tobacco control.

The global tobacco epidemic in 2012* [PL04-01]

Jonathan M. Samet

Genetics and healthcare disparities caused by smoking* [PL04-02]

Neal L. Benowitz, University of California, San Francisco, CA

Controlling tobacco use in minorities and the underserved* [PL04-03]

Lourdes A. Baezconde-Garbanati, University of Southern California, Los Angeles, CA

Global tobacco control and disparities in smoking* [PL04-04]

Joanna Cohen, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Forum 1

Monday, October 29 • 9:45 a.m.-11:00 a.m.

Policy Forum

Douglas Pavilion A

Chairperson: Jon Retzlaff, American Association for Cancer Research, Washington, DC

This session will provide an overview of the role that various federal stakeholders play in addressing the health disparities gap for underserved populations, highlight the ways in which the AACR is influencing policy in Washington, DC, to lessen the disparities that exist in our country, and inform session participants how they can get involved to help ensure that science-based policy changes to reduce health disparities are implemented. Invited Members of Congress and/or congressional staff will provide their perspective on ways that policymakers are working to reduce health disparities through legislative and policy interventions. Mr. Retzlaff, Managing Director for Science Policy and Government Affairs at the AACR, will provide an overview of the current political climate on Capitol Hill for reducing health disparities and explain how the major health care legislation that was signed into law in 2010 (the “Affordable Care Act”) will help reduce disparities.

Speakers to be announced

Plenary Session 5

Monday, October 29 • 11:15 a.m.-1:00 p.m.

Global Health Disparities in Cancer

Douglas Pavilion A

Chairperson: Jorge Gomez, National Cancer Institute, Rockville, MD

Cervical cancer as an example of gender-associated health inequality* [PL05-01]

Rolando Herrero, International Agency for Research on Cancer, World Health Organization, Lyon, France

Global perspective on the prevention of HPV-related cancers in men:

From epidemiology to intervention* [PL05-02]

Anna R. Giuliano, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL

Less than three HPV vaccine doses: Implications for administering the HPV vaccine in resource-poor settings* [PL05-03]

Mahboobeh Safaeian, National Cancer Institute, Rockville, MD

Introducing HPV screening into low-resource settings: Opportunities and challenges* [PL05-04]

Julia C. Gage, National Cancer Institute, Rockville, MD

The U.S.-Latin American Cancer Research Network as a model of collaboration with Latin America* [PL05-05]

Jorge Gomez

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Special Session 2

Monday, October 29 • 1:45 p.m.-3:00 p.m.

Training and Funding Opportunities in Cancer Health Disparity Research

Douglas Pavilion A

Chairperson: Michael M. Gottesman, National Cancer Institute, Bethesda, MD

The National Institutes of Health and other government organizations such as the Patient-Centered Outcomes Research Institute (PCORI) are acutely aware of the unequal burden of illness borne by the American public and have taken a variety of approaches to understand and ameliorate health disparities. The speakers in this session will present the perspectives of three different organizations: the NIH intramural research program, the NCI/NIH extramural research program, and PCORI. Michael Gottesman, M.D., the Deputy Director for Intramural Research at the NIH and Chief of the Laboratory of Cell Biology, Center for Cancer Research, NCI, will describe a variety of different intramural training programs to improve the diversity of the biomedical workforce and to address health disparities. Nelson Aguila, D.V.M., Director, Center to Reduce Cancer Health Disparities, will describe efforts to improve diversity in the cancer research workforce. Anne C. Beal, M.D., M.Ph., Chief Operating Officer of PCORI, will summarize funding opportunities from PCORI in the area of health disparities.

Piloting new training and career development opportunities at the National Institutes of Health

Michael M. Gottesman

Increasing diversity in the cancer research workforce: Funding opportunities* [SS02-02]

H. Nelson Aguila, National Cancer Institute, Rockville, MD

PCORI funding opportunities in disparities

Anne C. Beal, Patient-Centered Outcomes Research Institute (PCORI), Washington, DC

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Plenary Session 6

Monday, October 29 • 3:00 p.m.-4:45 p.m.

Inflammation and Cancer

Douglas Pavilion A

Chairperson: Curtis C. Harris, National Cancer Institute, Bethesda, MD

Myeloma in blacks: Not more of the same

Ola Landgren, National Cancer Institute, Bethesda, MD

Inflammation, DNA mismatch repair, and colon cancer* [PL06-02]

John M. Carethers, University of Michigan, Ann Arbor, MI

Inflammation and cancer: Interweaving microRNA, free radical, innate immune, and p53 networks* [PL06-03]

Curtis C. Harris

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Poster Session B

Sunday, October 28 • 4:45 p.m.-7:15 p.m.

Douglas Pavilion B

Behavioral and Social Science

Community-Based Participatory Research

B01 Identifying barriers to breast cancer screening guideline adherence among minority women residing in rural geographic regions. Monique J. Carter, Arturo A. Pizaña, Scharri E. Walker, Tracy A. Davis.

B02 Promotores advancing knowledge and participation in cancer research studies. Ana Paula Cupertino, Johana Bravo De los Rios, Mercedes Saint-Elin.

B03 Effectiveness of lay health worker outreach in reducing colorectal cancer screening disparities in Vietnamese Americans. Bang H. Nguyen, Susan L. Stewart, Tung T. Nguyen, Stephen J. McPhee, Mai T. Tran, Alene L. Pham, Ngoc Bui-Tong.

B04 Using CBPR to develop a systems-level colorectal cancer screening intervention. Aimee James, Meera Muthukrishnan, Matthew Brown, Rebekah Jacob, Nancy Mueller, Graham Colditz.

B05 Technical assistance as part of capacity building for collaborative research in breast cancer, the environment, and/or disparities. Senaida Fernandez, Marj Plumb, Catherine Thomsen, Braun Susan, Heather Sarantis, Juliana van Olphen, Emily Galpern, Marion Kavanaugh-Lynch.

B06 Rural women's decision-making about cervical cancer prevention in South Carolina. Jessica D. Bellinger, Whitney Millegan, Azza Abdalla, Kim Creek.

B07 GMaP/BMaP Region VI: Utilizing a community-based participatory research approach to deliver culturally appropriate colorectal cancer education. Heidi M. Harbach, Beti Thompson.

B08 Examining community-perceived cancer mortality from industrial toxins along the Houston Ship Channel through spatial-temporal analysis in a GIS environment. Demetrice R. Jordan, Denae Waller King, Lovell A. Jones.

B09 Talking circles: A potential method of reducing health disparities by facilitating patient-provider communication among medically underserved populations. Kaylynn Brown, Maisha Standifer, Julie Baldwin, Kevin B. Sneed, Deanna Wathington, Lee Green.

B11 Strengthening participation in biorepositories: One Minute-One Opportunity. Edith García-Gonzalez, Ana M. Navarro, Richard Schwab, La Shon Fralin, Olga Sánchez, Rosa Coronado.

B12 “Present Your Body”: Cancer awareness within the African American faith community in South Los Angeles. Anna Aziza Lucas-Wright, Loretta Jones, James L. Smith, Roberto Vargas, Jaydutt V. Vadgama, Annette E. Maxwell, Mohsen Bazargan.

B13 Development of culturally tailored breast cancer brochures for the American Indian community in Kansas and Missouri. Joseph Pacheco, Tara Hammer, Ruth Buffalo, Melissa K. Filippi, K. Allen Greiner, Christine M. Daley.

B14 Community health workers support CBPR ethics: Lessons learned along the research-to-practice-to-community continuum. Selina A. Smith, Daniel S. Blumenthal.

Decision Making

B16 Developing an interpersonal framework for lung cancer decision making in African Americans. Simon Craddock Lee, Deborah J. Wiebe, Celette Sugg Skinner.

B17 Physician techniques in shaping prognostic conversations: Implications for black women. Jennifer James.

Poster Session B

Sunday, October 28 • 4:45 p.m.-7:15 p.m.

Douglas Pavilion B

Socioeconomic Influences

B18 **The impact of daily hassles on colorectal cancer screening and other health-seeking behaviors in a low income, safety net population.** Rebekah R. Jacob, [Aimee S. James](#).

B19 **Understanding racial/ethnic and multilevel socioeconomic disparities in survival after breast cancer.** [Salma Shariff-Marco](#), Juan Yang, Meera Sangaramoorthy, Andrew Hertz, Esther M. John, Jocelyn Koo, David O. Nelson, Clayton Schupp, Theresa H.M. Keegan, Scarlett Lin Gomez.

B20 **Perspectives on detection, prevention, and care among African American and Latino cancer survivors in South Los Angeles.** [Roberto B. Vargas](#), Rhonda Santifer, D'Ann Morris, Teresa Harrison.

Other

B21 **The moderating effect of acculturation on gender roles and cancer screening variables among Vietnamese American women.** [Anh Bao Nguyen](#), Trenette T. Clark, Faye Z. Belgrave.

B22 **Lesbian, gay, and bisexual cancer survivor's participation in cancer clinical trials: Findings from a national health survey.** [Jennifer M. Jabson](#), John R. Blosnich.

B23 **Curcumin suppresses the growth and metastasis of prostate cancer cells by downregulation of SKP2.** Yuanying Gong, Wenfu Lu, Yingqiu Xie, Qing Yang, Robert J. Matusik, [Zhenbang Chen](#).

B24 **Stimulating the development of research and training in cancer health disparities through the University of Guam (UOG)/University of Hawaii Cancer Center (UHCC) partnership.** [Hali R. Robinett](#), Helen J.D. Whippy, Carl-Wilhelm Vogel.

B25:PR05 **The effect of language on the self-rated health of Latina breast cancer survivors: Cancer self-efficacy and spiritual well-being as potential mediators of this association.** [Maria DeLourdes Garcia-Jimenez](#), Jasmine Santoyo-Olsson, Carmen Ortiz, Anna M. Napoles.

B26 **CDU/UCLA U54 Cancer Center Partnership's Education and Training Program: Methods, measures, and outcomes.** [Marianna Sarkissyan](#), May Ong, Yanyuan Wu, Judith Gasson, Robin Farias-Eisner, Jaydutt V. Vadgama.

B27 **Researchers' attitudes about sharing biospecimens or biospecimen data: Findings from a regional survey.** Mai H. Oushy, Alan E.C. Holden, Leticia O. Vilchis, Amelie G. Ramirez, Kipling J. Gallion, Hugo Vilchis, [Mary A. O'Connell](#).

Carcinogenesis

Animal Models of Carcinogenesis

B28 **Exploring the host immune response to understand the existence of Helicobacter-induced gastric cancer disparity.** Kelly S. Doran, Ellese M. Carmona, Anirban Banerjee, Arnika Sharma, [Marygorret Obonyo](#).

B29 **A novel mammary intraductal delivery model that permits study of human ductal carcinoma in situ progression.** [Tanya D. Russell](#), Samiat Agunbiade, Sonali Jindal, Jaime Fornetti, Virginia Borges, Pepper Schedin.

Cell, Molecular, and Tumor Biology

Cell Growth Signaling Pathways

B30 **Estrogen-ER β axis: Implications for racial disparity of prostate cancer.** Krzysztof Moroz, Zakaria Abd Elmageed, Sudesh Srivastav, Krishnarao Moparty, Krishnarao Moparty, Raju Thomas, [Asim B. Abdel-Mageed](#).

Poster Session B

Sunday, October 28 • 4:45 p.m.-7:15 p.m.

Douglas Pavilion B

B31 Expression of Wnt3 activates Wnt/ β -catenin pathway and promotes EMT-like phenotype in trastuzumab-resistant HER2-overexpressing breast cancer cells. Yanyuan Wu, Charles Ginther, Juri Kim, Nicole Mosher, Seyung Chung, Dennis Slamon, Jaydutt V. Vadgama.

B32 A novel preclinical model to identify therapies for CRLF2 B-ALL and reduce childhood cancer health disparities. Francis L. Olivia, Shannalee R Martinez, Terrence Bennett, Ineavely Baez, Terry-Ann Milford, Christopher L. Morris, Ross O. Fisher, Xiao-Bing Zhang, Rui-Jun Su, Sinisa Dovat, Kimberly J Payne.

DNA Methylation/Epigenetics and Chromatin Regulation

B33 Genome-wide methylation analyses reveal racial differences in blood DNA of prostate cancer patients from the North Carolina-Louisiana Prostate Cancer Project (PCaP) cohort. Anna Woloszynska-Read, Dan Wang, Song Liu, James L. Mohler, Donald L. Trump, Candace S. Johnson.

B34 Pregnancy-associated breast cancer and differentially expressed microRNAs. Jose Luis Munoz-Rodriguez, Lukas Vrba, Patricia A. Thompson-Carino, Maria Elena Martinez, Bernard W. Futscher.

B35 Altered DNA methylation at imprinted insulin-like growth factor-2 (IGF2) resulting from heavy metal exposure in vitro and in vivo in infants from the Newborn Epigenetic Study (NEST). Monica D. Nye, Adriana C. Vidal, Marilie D. Gammon, Cathrine Hoyu.

Viral Oncogenesis and Mechanisms

B37 EWS-ERG targets transcriptional co-factors in ERG-positive Ewing sarcoma. Shubhalaxmi P. Kayarthodi, Yasuo Fujimura, Kunchala Rungasuriyachai, Huali Xu, Jinbo Fang, Chunshu Yang, Veena N. Rao, E. Shyam P. Reddy.

Other

B38 Profiling miR-152 expression in African American prostate cancer cell lines. Shaniece Crystal Theodore, Melissa Davis, Rhim Jhong, Timothy Turner, Clayton Yates.

B39 Socioeconomic disadvantage predicts more aggressive estrogen/progesterone receptor negative breast cancer and mediates racial and ethnic disparities in breast cancer aggressiveness. Garth H. Rauscher, Elizabeth L. Wiley, Richard T. Campbell.

Epidemiology, Lifestyle, and Genetics

Behavioral Epidemiology

B40 The mediating role of perceived stress and depression in relations between perceived discrimination and cancer risk behaviors and outcomes among African American adults. Adolfo G. Cuevas, Lorraine R. Reitzel, Adams C.E. Claire, Yumei Cao, Nga N.T. Nguyen, David W. Wetter, Kellie L. Watkins, Seann D. Regan.

B41 Cancer-related knowledge and attitudes among African American adults in Michigan: Five Cities Survey. May Darwish Yassine.

B42 Examining factors associated with high levels of breast cancer beliefs among Hispanic women. Rani I. Gallardo, Garth H. Rauscher, Carol E. Ferrans.

Diet and Nutrition

B43: PR04 Prostate cancer risk and dietary folate in a multiethnic population: Higher intake increases risk in the California Collaborative Prostate Cancer Study. Glovioell W. Rowland, Esther M. John, Sue A. Ingles.

Poster Session B

Sunday, October 28 • 4:45 p.m.-7:15 p.m.

Douglas Pavilion B

B44 Differences in meat consumption patterns between African Americans and Caucasians in Arkansas: Potential contribution to cancer disparities. Susan Kadlubar, Ishwori B. Dhakal, Christine B. Ambrosone, Ronda Henry-Tillman, Nicholas P. Lang.

B45 A preliminary study of cruciferous vegetable consumption and urinary isothiocyanate levels in African Americans and Caucasians in the eastern United States. Anna K Hull, Odina Anyanwu, Nikoia Fredericksen, Titilope Idowu, Ambata Poe, Joshua E. Muscat, John P. Richie, Derrick J. Swinton.

B46 Isolation, identification, and sensitivity pattern on fatty acid composition of edible oil in Bangladesh: From preclinical studies to international clinical trials. Md. Ariful Haque Mollik.

Exercise and Prevention

B47 A home-based motivational exercise intervention for African American breast cancer survivors: A pilot study. Denise Spector, Allison M. Deal, Hojin Yang, Claudio Battaglini.

Familial and Genetic Epidemiology

B48 Design of a feasibility study of breast cancer candidate genes in three ethnic groups. Marvella E. Ford, Joan E. Cunningham, Erika T. Brown, Ida J. Spruill, Anthony J. Alberg, Debbie C. Bryant, Karen D. Charles, Nestor F. Esnaola, Melanie S. Jefferson, Keith Whitfield, Rita M. Kramer, Susan Bolick, Deborah Hurley, Catishia Mosley, Tonya R. Hazelton, Vivian J. Bea, Dana R. Burshell, Shweta Singh, Emily Kistner-Griffin.

General Epidemiology and Biostatistics

B49 Demographic differences in African American compared to Caucasian women with luminal A breast cancer. Rachel E Ellsworth, Craig D. Shriver.

B50 Concordance between self-reported and medical record breast cancer treatment data by income and education. Jean A. McDougall, Kathleen E. Malone, Mei-Tzu C. Tang, Christopher I. Li.

Molecular Epidemiology

B51 Genetic polymorphisms of the UDP-glucuronosyltransferase 2B15 and 2B17 genes are associated with prostate cancer in African American men. Cocoa Tucker, Adriana C. Vidal, Joellen M. Schildkraut, Ricardo M. Richardson, Stephen J. Freedland, Cathrine Hoyo, Delores J. Grant.

B52 Polymorphisms in the metabolism related genes and obesity may explain prostate cancer disparity in African American men. Ganna Chornokur, Ernest Amankwah, Jong Park, Catherine Phelan, Nagi Kumar.

B53 Analysis of Wnt signaling as a determinant of racial disparities in colorectal cancer outcomes. Megan E. Miller, Rangesh Kunnavakkam, Galina Khramtsova, Andrey Khramtsov, Brooke Sylvester, Dezheng Huo, Olufunmilayo I. Olopade, Kathleen H. Goss.

Health Economics, Outcomes, and Policy Research

Healthcare Systems

B54 Addressing cancer disparities in the border region: A novel model of twinning in pediatric oncology. Paula Aristizabal, Raul C. Ribeiro, William D. Roberts.

B55 Barriers to care reported among patients with cervical and breast abnormalities in the Ohio Patient Navigation Research Program. Mira L. Katz, Paul L. Reiter, G. Young, Electra D. Paskett.

Poster Session B

Sunday, October 28 • 4:45 p.m.-7:15 p.m.

Douglas Pavilion B

Health Economics, Policy, and Outcomes

B56 The impact of health care accessibility on cancer-related behaviors and outcomes in NA populations within the Northern High Plains. Eric Belasco, Ethan Wilkes, Barbara Pence.

Treatment Factors and Outcomes

B57 Tolerability of pemetrexed: Results from an observational study of second-line treatment of non-small cell lung cancer (NSCLC) among racial groups. Alex Adjei, Li Li, Katherine B. Winfree, Gerhardt Pohl, Eduardo Pennella, Allicia C. Girvan, Coleman K. Obasaju, Mark S. Walker, Edward J. Stepanski, Lee Schwartzberg.

B58 Limited esophageal cancer care access among African American patients in Michigan. Sha'Shonda L. Revels, Charles A. Mouch, Rishindra M. Reddy.

B59 Racial disparities in surgical procedure and survival for endometrial cancer. Travis-Riley K. Korenaga, Kristy K. Ward, Michael T. McHale, Cheryl C. Saenz, Steven C. Plaxe.

Organ Site Research

Breast Cancer

B60 Role of MUC1 mucin in American Indian breast cancer health disparity. Diane M. Maher, Emily Gaster, Phillip Stephenson, Michael Koch, Susan Eliason, Meena Jaggi, Subhash C. Chauhan.

B61 Effects of anti-obesity dietary supplement DHEA on serum DHEA, DHEA-S, IGF-1, and IGFBP-3 in DMBA-induced breast cancer model. Reza Hakkak, Soheila Korourian.

B62 The impact of family structure on mammography utilization. Katelyn Ruth Holmes.

B63 Receptor status in early-onset breast cancer across races. Mandeep Singh, Yi Ding, Liying Zhang, Susan Lee, Dong Song, Shruti Grover, Dinesh Chandra Doval, Dara S. Ross, Charles Shao, Changcheng Zhu, Ruliang Xu, Zili He, David Zhang, Jinhua Wang, Victor Chang, Margaret Chen, Phyllis August, Peng Lee.

B64: PR06 Racial/ethnic differences in breast cancer survival and mediating effects of tumor characteristics, sociodemographic, and treatment factors. Erica T. Warner, Rulla M. Tamimi, Melissa E. Hughes, Rebecca A. Ottesen, Yu-Ning Wong, Stephen B. Edge, Richard L. Theriault, Douglas W. Blayney, Joyce C. Niland, Eric P. Winer, Jane C. Weeks, Ann H. Partridge.

B65 Profiling and characterization of ethnicity-associated metabolic pathways in breast cancer. Atsushi Terunuma, Nagireddy Putluri, Susmita Samanta, Prachi Mishra, Ewy Mathe, Tiffany H. Dorsey, Rick Kittles, Stefan Ambs.

B66 Beliefs about cancer etiology, health behaviors, and treatment patterns among multiethnic breast cancer survivors. Patricia Gonzalez, Katrina Flores, Kristi Allen, Monica Rosales, Sheila Castaneda, Gregory Talavera, Jung-Won Lim, Ming Wang-Letzkus, Kimlin Ashing-Giwa.

B67: PR03 Investigation of transcriptome differences in breast cancer tissues from African-American and East African patients with triple negative breast cancer. Lisa Baumbach, Mark Pegram, Carmen Gomez, Biju Issac, Jennifer Clarke, Merce Jorda, Mary Ellen Ahearn, John Carpten, Peter Bird.

B68 Breast cancer mortality differences by race/ethnicity: Distinct differences by decade and hormone status. Deirdre Hill, Catherine Axtell, Huining Kang, Melanie Royce.

B69 Macrophages along with pathogens in the microenvironment enhance the aggressive behavior of triple-negative breast cancer (TNBC) in an in vitro model. Elias I. Obeid, Bifeng Zhang, Olufunmilayo I. Olopade.

Poster Session B

Sunday, October 28 • 4:45 p.m.-7:15 p.m.

Douglas Pavilion B

Colorectal Cancer

B70 Colorectal cancer-related disparities according to rurality, socioeconomic status, and race. [Robert B. Hines](#), Asal Mohamadi, Talar W. Markossian.

B71 Potential role of hemoglobin in colorectal cancer initiation in inflammatory bowel disease setting. Laura A. Franklin, Joan C. Smith, Billy R. Ballard, Erin H. Seeley, Mary K. Washington, Jeremy L. Norris, Kevin L. Schey, Harold L. Moses, Richard M. Caprioli, Samuel E. Adunyah, [Amosy E. M'Koma](#).

B72: PR02 Genetic variation in the vitamin D pathway and risk for colorectal cancer in African Americans. [Fabio Pibiri](#), Rick A. Kittles, Robert S. Sandler, Temitope O. Keku, Sonia S. Kupfer, Rosa Xicola, Xavier Llor, Nathan A. Ellis.

B73 Disparities in colorectal cancer incidence and survival among Hispanics in California. [Mariana C. Stern](#), JuanJuan Zhang, Juan Pablo Lewinger, Dennis Deapen, Lihua Liu.

Genitourinary Cancers

B74 Behavioral and social science: Recruitment/retention/adherence research. [Norma F. Kanarek](#), Marty Kanarek, Dare Olatoye, Michael Carducci.

Gynecological Cancers

B75 Benzo(a)pyrene exposure increases expression of HPV oncoproteins: A potential co-factor for increased cervical cancer among Northern Plains American Indian women. [Diane M. Maher](#), Maria Bell, Amanda Schaefer, Emmylu O'Donnell, Meena Jaggi, Subhash Chauhan.

Lung Cancer

B77 Asian-American response to pemetrexed: Results from an observational study of second-line treatment of non-small cell lung cancer. A. A. Adjei, E. Pennella, [A. C. Girvan](#), G. Peltz, G. Pohl, C. Obasaju, K. Winfree, M. S. Walker, E. J. Stepanski, L. S. Schwartzberg.

B78 Referral delay after community diagnosis of non-small cell lung cancer impairs survival. [Norma F. Kanarek](#), Craig M. Hooker, Luckson Mathieu, Hua-Ling Tsai, Charles M. Rudin, James G. Herman, Malcolm V. Brock.

Prevention Research

Screening and Early Detection

B79 Assessing colorectal cancer screening behaviors and knowledge among at-risk Hispanics in southern New Mexico. Janet Sanchez, Vanessa Martinez, Beti Thompson, [Mary O'Connell](#).

B80 Evaluation of annual mammographic rescreeing among uninsured minority women in Northern Manhattan. [Andrea Mattocks](#), Grace Clarke Hillyer, Karen Schmitt.

B81 Can mHealth improve risk assessment? A usability study of older, low-income women answering the Athena Breast Health Questionnaire App. [Cristina M. Thorsen](#), Celia P. Kaplan, Natasha Brasic, Laura J. Esserman, Judith A. Luce, Rebecca Howe, Laura J. van't Veer, Carolina Bravo, Alyse Wheelock, Elissa M. Ozanne, Athena Breast Health Network Investigators.

B82 Time to clinical follow up after abnormal mammogram in African American and Hispanic women: Preliminary findings. [Shariska S. Petersen](#), Marianna Sarkissyan, Yanyuan Wu, Marianne Carlota, Jaydutt V. Vadgama.

Poster Session B

Sunday, October 28 • 4:45 p.m.-7:15 p.m.

Douglas Pavilion B

B83 **Acceptability of a rinse technique for diagnosing head and neck squamous cell carcinoma among African Americans.** Suzanne C. Lechner, Lutecia H. Mateus Pereira, Erika Reategui, Claudia Gordon, Jamie Studts, Margaret Byrne, Monica Webb Hooper, David J. Lee, [Elizabeth J. Franzmann](#).

B84 **Determinants of colorectal cancer screening in three Asian communities.** Karen Kim, [Helen Vallina](#), Edwin Chandrasekar.

B85 **Chinese American women's beliefs in mammogram.** [Helen Vallina](#), Karen Kim.

B86 **Head and neck squamous cell carcinoma and disparities: A model for early detection.** Lutecia H. Mateus Pereira, Isildinha Reis, Robert Duncan, Judy Wen, Erika Reategui, Laurian Walters, Aymee Perez, [Elizabeth J. Franzmann](#).

B87 **Factors associated with mammography screening in cities of four contiguous US states whose 2010 mammography rates for women aged 40 and older ranged from 63.8 to 75.2 percent.** [Ann M. Han](#), Shwetha Sequeira, Loretta Berger.

B88 **Breast cancer risk factors and Gail risk score distribution in a heavily Hispanic population.** [Deborah Goodman](#), Hannah Lui Park, Argyrios Ziogas, Chris Tannous, Kathryn Larsen, Hoda Anton-Culver.

B89 **Understanding changes in the USPSTF mammography screening guidelines: The role of the Avon Breast Health Outreach Program in reaching underserved women.** [Shirley M. Bluethmann](#), Hannah L. Mills, Elizabeth Harden, Jennifer D. Allen.

B90 **Mammography screening access among uninsured and limited English-speaking populations: Spatial findings from the Every Woman Counts No-Cost Mammography Program in California.** [Kim Hanh Nguyen](#).

Vaccines and Immunoprevention

B91 **Addressing the growing confidence gap in public acceptance of vaccines in the United States.** [Glenn Ellis](#).

B93 **Resuscitating cancer immunosurveillance by combining Notch 1 and death receptor activating therapy.** Duafalia F. Dudimah, Roman V. Uzhachenko, Samuel T. Pellom, Asel K. Biktasova, Mikhail M. Dikov, David P. Carbone, [Anil Shanker](#).

Plenary Session 7

Tuesday, October 30 • 8:00 a.m.-9:45 a.m.

The Impact of Genomics in Understanding Cancer Biology Across Populations

Douglas Pavilion A

Chairperson: John D. Carpten, Translational Genomics Research Institute, Phoenix, AZ

It is universally accepted that somatic alterations (i.e., point mutations, small insertions and deletions, rearrangements, gains and losses) occur at the DNA level in cancer. These somatic events can drive tumorigenesis, metastatic progression, and/or drug resistance. More importantly, specific somatic alterations are intimately tied to companion targeted therapeutics. Recent technological advances in the form of next-generation sequencing technologies now provide us with platforms to interrogate entire human genomes at a fraction of the time and cost compared to more traditional sequencing technologies. These technologies are already being used to survey the global somatic landscape of tumors across large cohorts. As many cancer types disproportionately affect underrepresented populations, this session will highlight new findings from deep genomic profiling of tumors from individuals from diverse populations. Ultimately it is our hope to glean new insights into the possible role of somatic events

Molecular profiling of breast cancer in Mexico: Identification of novel therapeutic targets through whole-genome sequencing analysis* [PL07-01]

Alfredo Hidalgo-Miranda, Instituto Nacional de Medicina Genómica (INMEGEN), Mexico City, Mexico

Genome sequencing of triple-negative breast cancer in African American women* [PL07-02]

John D. Carpten

Genomics of racial disparities in pediatric acute lymphoblastic leukemia* [PL07-03]

Jun J. Yang, St. Jude Children's Research Hospital, Memphis, TN

Genomics of colorectal cancer in African Americans

Nathan A. Ellis, University of Illinois, Chicago, IL

Panel discussion

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Forum 2

Tuesday, October 30 • 10:00 a.m.-11:15 a.m.

Community-Based Participatory Research to Reduce Cancer Health Disparities: Current and Future Perspectives

Douglas Pavilion A

Chairperson: Chanita Hughes-Halbert, Medical University of South Carolina, Charleston, SC

Community-based participatory research (CBPR) is an important approach for addressing cancer health disparities. The objective of this special session is to describe the effects of CBPR approaches that have been implemented to address determinants of disparities in medically underserved groups. Presenters will describe the results of studies that were developed collaboratively with community-based stakeholders to improve access to and use of cancer screening tests, decrease risk exposure by increased consumption of fruit and vegetables and physical activity, and develop national policies and establish metrics for patient navigation. Presenters will also identify future perspectives and goals for enhancing collaboration efforts between academic investigators and community stakeholders to continue efforts for addressing determinants of cancer disparities.

Community-based interventions to reduce colon cancer disparities in African Americans in South Carolina* [F002-01]

James R. Hébert, University of South Carolina, Columbia, SC

Community-based participatory research for cancer prevention and control in African Americans* [F002-02]

Chanita Hughes-Halbert

Breast cancer control in federally qualified health centers* [F002-03]

Elizabeth Calhoun, University of Illinois, Chicago, IL

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.

Plenary Session 8

Tuesday, October 30 • 11:15 a.m.-1:00 p.m.

Eliminating Colorectal Cancer Health Disparities: Can It Be Done?

Douglas Pavilion A

Chairperson: Electra D. Paskett, The Ohio State University Comprehensive Cancer Center, Columbus, OH

Colorectal cancer (CRC) is a preventable and treatable cancer if screening is used appropriately. Some population groups, however, do not receive screening or do not receive appropriate and timely follow up for positive tests or proper treatment. These disparities result in disparate outcomes for CRC. Studies have demonstrated what is needed to improve screening and treatment rates. What if these strategies were implemented at a population-level? Would CRC disparities change? This session explores CRC screening, racial disparities in screening, treatment, and outcomes, and then presents the results of a population-level intervention designed to reduce CRC disparities in the state of Delaware. This real-world intervention can serve as a model for other communities/states that are invested in reducing CRC.

Overview of CRC and disparities

Sally W. Vernon, University of Texas Health Science Center, Houston, TX

Colorectal cancer health disparities: Role of racial disparities in stage* [PL08-02]

Anthony S. Robbins, American Cancer Society, Atlanta, GA

Understanding and reducing disparities in colorectal cancer: From diagnosis forward* [PL08-03]

Blase N. Polite, University of Chicago Cancer Research Center, Chicago, IL

Statewide colorectal cancer disparity elimination in Delaware

Stephen Grubbs, Helen F. Graham Cancer Center, Christiana Care Health System, and Delaware Cancer Consortium, Newark, DE

*An extended abstract for this presentation is available in the Invited Abstracts section of this book.