### Conference Program and Schedule at a Glance

#### Sunday, September 18, 2011

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
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<tbody>
<tr>
<td>11:30 a.m.</td>
<td>Professional Advancement Series Session</td>
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<tr>
<td></td>
<td>Constitution Ballrooms A/B, p. 19</td>
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<tr>
<td>1:00 p.m.</td>
<td>Educational Sessions 1-2</td>
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<td></td>
<td>Biobanking: A Tricky Endeavor</td>
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<td></td>
<td>Chairperson: Peter G. Shields, Constitution</td>
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<td></td>
<td>Ballrooms A/B, p. 20</td>
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<tr>
<td></td>
<td>How Do We Measure Disparities and Assess Progress?</td>
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<td>Chairperson: Sam Harper, Constitution Ballrooms C/D/E, p. 20</td>
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<tr>
<td>2:45 p.m.</td>
<td>Educational Sessions 3-4</td>
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<td>Epigenome: Tools and Technologies</td>
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<td>Chairperson: Bernard Kwabi-Addo, Constitution</td>
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<td></td>
<td>Ballrooms A/B, p. 21</td>
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<td>Perspectives on Race: The RACE Project</td>
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<td>Chairperson: Yolanda Moses, Constitution Ballrooms C/D/E, p. 21</td>
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<tr>
<td>7:00 p.m.</td>
<td>Opening Plenary Session</td>
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<td>Constitution Ballrooms C/D/E, p. 22</td>
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<tr>
<td></td>
<td>Welcome</td>
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<td></td>
<td>William G. Nelson</td>
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<td></td>
<td>Second Annual AACR Distinguished Lecture on the Science of Cancer Health Disparities</td>
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<td>Supported by Susan G. Komen for the Cure®</td>
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<td></td>
<td>Closing the Knowledge Disparity Gap: From Molecular Mechanisms to Interventions and Back</td>
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<td></td>
<td>Olufunmilayo I. Olopade</td>
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<tr>
<td>8:15 p.m.</td>
<td>Opening Reception</td>
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<tr>
<td></td>
<td>Constitution Ballrooms A/B, p. 22</td>
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<td></td>
<td>Special musical entertainment: Julia Nixon</td>
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#### Monday, September 19, 2011

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
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<tr>
<td>8:00 a.m.</td>
<td>Plenary Session 1</td>
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<td>EBV and Cancer</td>
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<td></td>
<td>Chairperson: Richard F. Ambinder, Constitution</td>
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<td>Ballrooms C/D/E, p. 24</td>
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<tr>
<td>9:45 a.m.</td>
<td>Keynote Session</td>
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<td></td>
<td>Towards a Future without Health Disparities</td>
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<td>Speaker: Louis W. Sullivan, Constitution</td>
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<td>Ballrooms C/D/E, p. 24</td>
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<tr>
<td>10:45 a.m.</td>
<td>Coffee Break</td>
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<td>Constitution Ballroom Foyer</td>
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<tr>
<td>11:00 a.m.</td>
<td>Plenary Session 2</td>
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<td>Prevention of Liver Cancer: Induction of Aflatoxin Metabolism and Control of Hepatitis</td>
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<td>Chairperson: John D. Groopman, Constitution</td>
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<td>Ballrooms C/D/E, p. 25</td>
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<tr>
<td>12:45 p.m.</td>
<td>Lunch Break (on own)</td>
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<td>2:00 p.m.</td>
<td>Plenary Session 3</td>
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<td>Triple-Negative Breast Cancer in Young Underserved Women</td>
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<td>Chairperson: Judy E. Garber, Constitution</td>
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<td>Ballrooms C/D/E, p. 26</td>
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Conference Program and Schedule at a Glance

3:45 p.m.-6:15 p.m.  Poster Session A
Constitution Ballrooms, A/B, p. 27

Analytical Methods
Administrative and Large-Scale Database Methods
Bioinformatics
Multilevel Analysis
Statistical and Epidemiological Models

Behavioral and Social Science
Alcohol, Tobacco, and Substance Abuse
Cancer Communications
Community-based Interventions
Decision Making
Diffusion and Dissemination Research
Genetic Testing and Counseling
Health Education

Biomarkers
Biomarkers of Premalignant Lesions
Biomarkers of Risk and Surrogate Endpoints
Novel Technologies

Cancer Treatment and Outcomes
Drug Design, Discovery, and Delivery
Late Effects/Survivorship
Proteomics, Chemogenomics, and Chemoinformatics
Quality of Life
Second Cancers
Other

Carcinogenesis
Animal Models of Carcinogenesis
DNA Damage and Repair Mechanisms
Tumor Promotion and Progression

Epidemiology, Lifestyle, and Genetics
Familial and Genetic Epidemiology
General Epidemiology and Biostatistics
Neighborhood Factors
Obesity, Metabolism, and Cancer
Physical Activity and Energy Balance
Race, Admixture, and Ethnicity
Stress
Other Risk Factors

Health Economics, Outcomes, and Policy Research
Healthcare Systems
Health Economics, Policy, and Outcomes
Treatment Factors and Outcomes

Tuesday, September 20

8:00 a.m.-9:45 a.m.  Plenary Session 4
Cancer Screening: Multilevel Challenges in Vulnerable Populations
Chairperson: Stephen H. Taplin, Constitution Ballrooms C/D/E, p. 35

9:45 a.m.-12:15 p.m.  Poster Session B
Constitution Ballrooms A/B, p. 36

Behavioral and Social Science
Community-based Participatory Research
Recruitment/Retention/Adherence Research
Socioeconomic Influences
Stress
Other

Cell, Molecular, and Tumor Biology
Cancer Genetics/Gene Expression
DNA Methylation/Epigenetics and Chromatin Regulation
Other

Epidemiology, Lifestyle, and Genetics
Behavioral Epidemiology
Diet and Nutrition
Exercise and Prevention
Molecular Epidemiology

Organ Site Research
Breast Cancer
Colorectal Cancer
Gastrointestinal Cancers
Genitourinary Cancers
Gynecological Cancers
Head and Neck Cancers
Lung Cancer
Other Organ Sites

Prevention Research
Prevention Behaviors
Screening and Early Detection
Vaccines and Immunoprevention

12:15 p.m.-12:45 p.m.  Lunch Break (on own)

THE SCIENCE OF CANCER HEALTH DISPARITIES IN RACIAL/ETHNIC MINORITIES AND THE MEDICALLY UNDERSERVED
Conference Program and Schedule at a Glance

12:45 p.m.-1:45 p.m.  Special Session
Increasing Recruitment of Minorities and the Medically Underserved for Research Studies
Presented by the Love/Avon Army of Women
Chairperson: Susan M. Love, Constitution Ballrooms C/D/E, p. 44

1:45 p.m.-2:45 p.m.  Policy Forum 1
The Implementation of Health Care Reform: How Does It Address Health Disparities?
Constitution Ballrooms C/D/E, p. 45

2:45 p.m.-4:30 p.m.  Plenary Session 5
Tobacco: Still the Dominant Global Health and Disparities Threat
Chairperson: Roy S. Herbst, Constitution Ballrooms C/D/E, p. 46

4:45 p.m.-6:30 p.m.  Plenary Session 6
Patient Navigation in Cancer Care: Results from the Patient Navigation Research Program
Chairperson: Electra D. Paskett, Constitution Ballrooms C/D/E, p. 47

Wednesday, September 21

8:00 a.m.-9:45 a.m.  Plenary Session 7
Pharmacogenetics of Cancer Therapy: Challenges and Opportunities
Chairperson: Francis Ali-Osman, Constitution Ballrooms C/D/E, p. 48

9:45 a.m.-10:00 a.m.  Coffee Break
Constitution Ballroom Foyer

10:00 a.m.-11:00 a.m.  Policy Forum 2
Ensuring a Diverse Scientific Workforce of the Future
Constitution Ballrooms C/D/E, p. 49

11:00 a.m.-12:45 p.m.  Plenary Session 8
Genomics and Epigenomics of Cancer Disparities
Chairperson: Steven R. Patierno, Constitution Ballrooms C/D/E, p. 50

12:45 p.m.  Closing Remarks
Constitution Ballrooms C/D/E
Professional Advancement Series Session

Constitution Ballrooms A/B

Organized by the MICR Council

Co-Chairpersons: Chanita Hughes-Halbert, Abramson Cancer Center of University of Pennsylvania, Philadelphia, PA; Amelie G. Ramirez, University of Texas Health Science Center, San Antonio, TX

Panelists:
Jasjit S. Ahluwalia, University of Minnesota Medical School Center for Health Equity, Minneapolis, MN
Chanita Hughes-Halbert, Abramson Cancer Center of University of Pennsylvania, Philadelphia, PA
Miguel Villalona-Calero, The Ohio State University Medical Center, Columbus, OH

Additional panelists to be announced

This informative Professional Advancement Series session provides a forum in which students, postdoctoral candidates, and junior investigators can discuss important career development issues, such as getting that first RO1, finding a good mentor, and developing a research program, with established senior scientists. These topics will be addressed through a facilitated panel discussion. Although all conference attendees are invited to attend this session, it is geared toward early-career investigators.

Advance registration was encouraged. Onsite registration will be available on a first-come first-served basis. Seating is limited.
Educational Sessions

Educational Session 1
Biobanking: A Tricky Endeavor
Constitution Ballrooms A/B

Chairperson: Peter G. Shields, Georgetown University Medical Center, Washington, DC

Developing and using biorepositories that lead to impactful science provides numerous challenges, more so when focusing on cancer-related health disparities. This session will provide the audience with information about challenges in consenting subjects and establishing repositories (including with community participation) and best practices for collection and usage.

Introduction
Peter G. Shields

Overview of biorepository best practices [ED01-01]*
Jimmie B. Vaught, National Cancer Institute, Bethesda, MD

Biospecimen management: Special considerations for minority populations
Nicole C. Lockhart, National Cancer Institute, Bethesda, MD

Collecting blood biospecimens from Asian American communities through trust and informed consent [ED01-03]*
Julie H.T. Dang, University of California Davis Cancer Center, Sacramento, CA

Educational Session 2
How Do We Measure Disparities and Assess Progress?
Constitution Ballrooms C/D/E

Chairperson: Sam Harper, McGill University, Montreal, QC, Canada

Conceptual and methodological issues on measuring progress
Sam Harper

How we measure and track health disparities in the Healthy People 2010 Final Review [ED02-02]*
Makram Talih, Centers for Disease Control and Prevention/National Center for Health Statistics, Hyattsville, MD

Measuring disparities by level of education and insurance status
Elizabeth M. Ward, American Cancer Society, Atlanta, GA

*An extended abstract for this presentation is available in the Invited Abstracts section of this book. (The abstract number is listed in brackets.)
Educational Sessions

Educational Session 3
Epigenome: Tools and Technologies
Constitution Ballrooms A/B

Chairperson: Bernard Kwabi-Addo, Howard University, Washington, DC

DNA methylation is an important mechanism of transcriptional regulation in normal and cancer cells. Advances in high-throughput technologies enable comprehensive analysis of DNA methylation at the whole genome level. In this session, we will focus on approaches for genome-wide analysis of DNA methylation and strategies to identify epigenetic DNA methylation signatures for individuals belonging to different ethnic groups. We will also focus on the quantification and validation of novel DNA methylated genes using technologies including bisulfite pyro-sequencing. Finally, we will discuss research technologies used in predicting methylated changes as potential biomarkers in disease prediction.

Validation and quantitation of DNA methylation changes [ED03-01]*
Bernard Kwabi-Addo

Approaches for genome-wide analysis of DNA methylation
Srinivasan Yegnasubramanian, Johns Hopkins University, Baltimore, MD

Tools for analysis of genome-wide methylation data: An application to prostate cancer [ED03-03]*
Joseph M. Devaney, George Washington University, Washington, DC

Developing molecular markers for solid tumor detection and the promise of epigenetic therapy [ED03-04]*
Malcolm V. Brock, Johns Hopkins University School of Medicine, Baltimore, MD

Educational Session 4
Perspectives on Race:
The RACE Project
Constitution Ballrooms C/D/E

Chairperson: Yolanda Moses, University of California, Riverside, CA

“RACE: Are We So Different?” is a project of the American Anthropological Association, which was developed in collaboration with social and biological scientists in order to educate the public and researchers on current understanding and controversies concerning race and racism. The project includes an exhibit, which is currently on display at the Smithsonian Institute. Key concepts in the display include the nature of race/ethnicity, social determinants vs. genomic/genetic determination of racial categorization, the impact of racial categorization upon health disparities, and the impact of genomics upon cancer health disparities.

Overview of The RACE Project
Yolanda Moses

Are we moving beyond race in clinical care? [ED04-02]*
Vence L. Bonham, National Institutes of Health, Bethesda, MD

Genetic variation among populations [ED04-03]*
Kenneth K. Kidd, Yale University School of Medicine, New Haven, CT

Perspectives on the production of race and cancer disparities [ED04-04]*
Juliet McMullin, University of California, Riverside, CA

*An extended abstract for this presentation is available in the Invited Abstracts section of this book. (The abstract number is listed in brackets.)
Opening Plenary Session

Constitution Ballrooms C/D/E

Welcome
William G. Nelson, Conference Chairperson

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

Closing the Knowledge Disparity Gap:
From Molecular Mechanisms to Interventions and Back

Olufunmilayo I. Olopade, M.D., F.A.C.P.
Walter L. Palmer Distinguished Service Professor of Medicine and Human Genetics
Associate Dean for Global Health
University of Chicago Medical Center
Chicago, IL

Dr. Olufunmilayo Falusi Olopade is honored for her leading work in the study of breast cancer genetics in women. Dr. Olopade graduated with distinction from the University of Ibadan College of Medicine in Nigeria and completed her residency training in internal medicine at Cook County Hospital where she also served as Chief Resident. Trained broadly in clinical hematology/oncology and cancer genetics at The University of Chicago, Dr. Olopade’s research has focused on understanding familial forms of cancer. Her seminal observations on the genetic basis of breast cancer in young women of African ancestry in the United States and West Africa has broadened our understanding of the complex interactions of genes, lifestyle, and the environment in breast cancer causation.

As a physician and scientist, Dr. Olopade works tirelessly to translate scientific discoveries at the individual and population level into optimal interventions for women at risk of breast cancer. Dr. Olopade effectively disseminates the benefits of her work, inspires students and colleagues, and is a role model for women scientists worldwide.

A global leader in academic medicine, Dr. Olopade has received numerous honors and awards, including the American Society of Clinical Oncology Young Investigator Award, the James S. McDonnell Foundation Scholar Award, the Doris Duke Distinguished Clinical Scientist Award, and the MacArthur Foundation Genius Award.

Dr. Olopade is a member of the Institute of Medicine of the National Academies, the American Philosophical Society, and the National Cancer Advisory Board. Dr. Olopade is a Komen scholar and a fellow of the American Academy of Arts and Sciences.

Opening Reception

Constitution Ballrooms A/B

The opening reception will feature music by Julia Nixon.
Plenary Session 1

**EBV and Cancer**
Constitution Ballrooms C/D/E

**Chairperson: Richard F. Ambinder**, Johns Hopkins University, Baltimore, MD

New approaches to monitoring and treatment of EBV-associated malignancy

*Richard F. Ambinder*

The mechanism of Epstein-Barr virus persistent infection and the origins of associated lymphomas [PL01-02]*

*David A. Thorley-Lawson*, Tufts University, Boston, MA

Molecular patterns of endemic, sporadic, and AIDS-related Burkitt’s lymphoma: Clues to distinct biology of subtypes [PL01-03]*

*Sam M. Mbulaiteye*, National Cancer Institute, Bethesda, MD

Potential for a vaccine approach to prevention of EBV-associated malignancy

*Robert A. Baiocchi*, The Ohio State University, Columbus, OH

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*An extended abstract for this presentation is available in the Invited Abstracts section of this book. (The abstract number is listed in brackets.)*
Keynote Session

Towards a Future without Health Disparities
Constitution Ballrooms C/D/E

Louis W. Sullivan  
Former U.S. Secretary of Health and Human Services  
Founding Dean and First President of  
Morehouse School of Medicine  
Atlanta, GA

Over his long and distinguished career in medicine and health policy, Louis W. Sullivan, M.D., has championed efforts to overcome health disparities in the U.S. and to inspire students from minority populations to enter the scientific and health care professions. Early in his career he served as the founding dean and first director of the Morehouse School of Medicine, the first medical school established at a Historically Black College in the 20th century. Later, as Secretary of Health and Human Services (HHS) from 1989 to 1993, Dr. Sullivan led efforts to improve the health and health behaviors of all Americans through multiple public health strategies, and he promoted increased gender and ethnic diversity in senior positions at HHS. Hear from Dr. Sullivan, who will provide an invaluable perspective on how we in America can overcome health disparities through science, a strong and diverse medical workforce, and improved health behaviors by our populations.
Plenary Session 2

Prevention of Liver Cancer: Induction of Aflatoxin Metabolism and Control of Hepatitis
Constitution Ballrooms C/D/E

Chairperson: John D. Groopman, Johns Hopkins University, Baltimore, MD

Hepatocellular carcinoma is the third leading cause of cancer death in the world and many of these cases occur in Asian, African, and Latino communities. Much is known about the etiology of this cancer and food preparation/aflatoxins and hepatitis virus infections are the issue for most of the world. Chemoprevention trials foroltipraz and sulforaphane have been conducted in rural China via U.S./China collaboration. Hepatitis B vaccination has lowered liver cancer rates in certain sites. Liver cancer is becoming a U.S. problem, principally thought to be a consequence of nonalcoholic steatohepatitis (NASH) accompanying metabolic syndrome and/or hepatitis C infection. These issues and others will be presented during this session.

Global disparities and prevention strategies in liver cancer [PL02-01]*
John D. Groopman

Community-centered HBV/liver cancer control interventions for Asian Americans [PL02-02]*
Moon S. Chen, Jr., University of California Davis Cancer Center, Sacramento, CA

Hepatocellular carcinoma research and prevention in South Texas: The imperative**
Amelie G. Ramirez, University of Texas Health Science Center at San Antonio, San Antonio, TX

Genes, environment, and cancer
Curtis C. Harris, National Cancer Institute, Bethesda, MD

*An extended abstract for this presentation is available in the Invited Abstracts section of this book. (The abstract number is listed in brackets.)
**An extended abstract for this Proffered Talk is available on page 115.
Plenary Session 3

Triple-Negative Breast Cancer in Young Underserved Women
Constitution Ballrooms C/D/E

Chairperson: Judy E. Garber, Dana-Farber Cancer Institute, Boston, MA

High-risk/triple-negative breast cancer and African ancestry [PL03-03]*
Lisa A. Newman, University of Michigan Comprehensive Cancer Center, Ann Arbor, MI

Biology of triple-negative breast cancer
James M. Ford, Stanford University School of Medicine, Stanford, CA

Treatment for triple-negative breast cancer: What’s new?
Judy E. Garber

Warburg effect revisited: Glucose addiction in precancerous mammary epithelial cells in African American women**
Victoria L. Seewaldt, Duke University, Durham, NC

*An extended abstract for this presentation is available in the Invited Abstracts section of this book. (The abstract number is listed in brackets.)
**An extended abstract for this Proffered Talk is available on page 131.
Analytical Methods

Administrative and Large-Scale Database Methods


Bioinformatics


Multilevel Analysis

A5 Psychometric evaluation of cervical cancer literacy assessments with Black, Latina, and Arab women. Karen Patricia Williams, Thomas N. Templin.

Statistical and Epidemiological Models

A6 A global sensitivity test for evaluating hypotheses with non- and weakly identifiable statistical models: An application to breast cancer outcomes. David Todem, Guanqun Cao, Lijian Yang, Jason P. Fine.

Behavioral and Social Science

Alcohol, Tobacco, and Substance Abuse


Cancer Communications


A10 Formative research with Hispanic migrants and health care providers related to the HPV vaccine. John S. Luque, Swati Raychowdhury, Mary Weaver.


Poster Session A
Constitution Ballrooms A/B

Community-based Interventions

A13 Evaluation of the culturally and linguistically tailored liver cancer education program for Asian Americans in Maryland. Miho Tanaka, Hee-Soon Juon.


A15 Educating minorities in a nonprofit organization with limited funding and staff. Jose Mendoza Silveiras, Jasmine Greenamyer.


A18 Cancer patient navigation in the unique social and health care environment of Appalachia: Results from the Appalachia Community Cancer Network (ACCN). Eugene Lengerich, Betsy Aumiller, Marcy Bencivenga, Christopher J. Louis, Linda Fleisher, Electra Paskett, Mark B. Dignan.

A19 Development and pilot testing of a culturally appropriate intervention on biospecimen research among Chinese Americans. Wanzhen Gao, Grace X. Ma, Yin Tan, Carolyn Y. Fang, Zi Ai Zhang, Philip Lai.

A20 HPV and HPV vaccine education intervention: Effects on parents, healthcare staff, and school staff. Paul L. Reiter, Brenda Stubbs, Catherine A. Panozzo, Dianne Whitesell, Noel T. Brewer.

A21 The Kin KeeperSM Intervention: Multiple interventions may be necessary to generate permanent increases in cancer literacy. Charles K. Lee, Karen Patricia Williams.


A26 Developing a network of community research councils to promote and facilitate clinical prevention trial participation in medically underserved populations. Atalie Ashley-Gordon, Kevin Sneed, Julie Baldwin, Maisha Kambron Standifer.


Decision Making


A32 Implementing a breast cancer treatment patient decision aid in a medically underserved population in Texas. Luis Rustveld, Maria Jibaja-Weiss.

A33 African American men’s perceptions of the informed decision making process for prostate cancer screening: Implications for design and development. Brian M. Rivers, Euna M. August, April Schenck, Myron Jackson, Joanna Scian, Angela Dimaggio, Gwen Quinn.

Diffusion and Dissemination Research


Geneic Testing and Counseling

A37 Efficient identification of low-income women at high risk for hereditary breast cancer and referral to genetic counseling. Galen Joseph, Susan Stewart, Robin Lee, Celia Kaplan, Judith Luce, Titas Marquez, Sharon Davis, Rena J. Pasick.


A39 The consortium of underserved BRCA testers: A multisite collaboration to study underserved families at risk of hereditary breast and ovarian cancer. Mary S. Beattie, Christina Seelaus, Rachel Farrell, Lorraine Trim, Sam Del Pozo, Judith Luce, Pamela Ganschow, Sheryl Gabram-Mendola, Adrienne Wilson, Julia Fehniger, Galen Joseph, Robin Lee, Kate Loranger, Christine Stanislaw.

A41 Does medical mistrust influence black women’s participating in BRCA 1/2 genetic counseling and testing? Vanessa D. Sheppard, Darren Mays, Kenneth Tercyk.

Health Education

A43 Comparison of colorectal cancer perceptions among two different predominantly Hispanic community populations. Norma P. Fernandez, Navikiran Shokar, Laura Guillen-Gomez, Osvaldo F. Morera.

A44 Feasibility study for technology-based cancer education for Latina women from an agricultural community. Laura E. Barnes, Maria Rivera, Cathy D. Meade, Sara K. Proctor, Liliana M. Gutierrez, Kristen J. Wells.
Poster Session A
Constitution Ballrooms A/B

Biomarkers

Biomarkers of Premalignant Lesions


A50 Targeting nanotherapeutics for breast, ovarian, and prostate cancer. David John Olivos, Mary R. Saunders, Laura Ramirez, Nicholas Banford, Julie-Marie Quattrochi, Kit S. Lam.

Late Effects/Survivorship


Drug Design, Discovery, and Delivery


Proteomics, Chemogenomics, and Chemoinformatics


Quality of Life


A59 Sociodemographic predictors for poor quality of life among urban minority oncology patients. Trevor Lee, Dana Massie, Abraham Aragones, Jennifer Leng, Julia Ramirez, Francesca Gany.

Second Cancers


Other


Carcinogenesis

Animal Models of Carcinogenesis

A64 The development of novel cell culture models and preclinical models of lymphangiomyomatosis. Tasha A. Morrison, Jane Yu, Elizabeth P. Henske.

DNA Damage and Repair Mechanisms


Tumor Promotion and Progression

Poster Session A
Constitution Ballrooms A/B

Epidemiology, Lifestyle, and Genetics

Familial and Genetic Epidemiology


A69  Identification of prostate cancer genes in the African American Hereditary Prostate Cancer (AAHPC) study. Luisel J. Ricks-Santi, Tshela Mason, Muneer Abbas, Georgia M. Dunston, Supraja Kolluri, Bert Gold, Kate Im, James Lautenberger, Michael Dean, Joan Bailey-Wilson, John Carpent, Chiledum Ahaghotu.

A70  Chemokine-associated genetic variants as predictors of prostate cancer outcomes among men of African descent. LaCreis R. Kidd, Dominique Jones, Camille Ragnin, Maria Jackson, Norma McFarlane-Anderson, Rafael Flores-Obando, Kevin Kimbro.


General Epidemiology and Biostatistics

Oscillate, Metabolism, and Cancer

A80 Parity and obesity in Mexican and Mexican-American women: Findings from the Ella Binational Breast Cancer Study. Erika Pond, Patricia Thompson, María E. Martínez, Betsy C. Wertheim, Giovanna Cruz, Adrian D. Navarro, Ian Komenaka, Mercedes Meza, Luis Enrique Gutiérrez, Melissa Bondy, Elizabeth B. Jacobs.

Physical Activity and Energy Balance


Race, Admixture, and Ethnicity


A84 Race, neighborhood socioeconomic characteristics, and Helicobacter pylori sero-prevalence. Meira Eppelein, Sarah Cohen, Jennifer Sonderman, Wei Zheng, Quyin Cai, Scott Williams, William J. Bliot, Lisa B. Signorello.

A85 Age-specific racial disparity of survival between African Americans and whites in breast cancer for postsurgery patients: A retrospective study from a community hospital in New York City. Hua Wang, Awinder P. Singh, Aleem Surani, Gina M. Villani, Serena St. Luce, Dongsheng Cai, Alan R. Go, Peter J. Pappas.

Stress


A87 Do combinations of similar prognostic factors have similar effect on breast cancer survival in blacks and whites? Xiaoxiao Lu, Donald Henson, Heather Young, Steven R. Patierno.


A90 Redefining access: A mixed-methods approach to evaluating access to appropriate cancer services for underserved limited English-proficient populations. Kim Hanh Nguyen, Tsang Icarus, Rena Pasick.
Other Risk Factors

A93 Correlates of total testosterone and testosterone deficiency in African American men. Adam B. Murphy, Yaw Nyame, Brian Kelley, Chiledum A. Ahaghotu, Rick A. Kittles.

A94 Assessment of Westernization in Mexican women with breast cancer. Jesse Nodora, Scott Carvajal, Rebeca Robles, Francisco Paez Agraz, Mercedes Meza, Adrian Daneri, Luis Enrique Gutierrez, Maria Elena Martinez.

Health, Economics, Outcomes, and Policy Research

Healthcare Systems

A96 Breast cancer screening resources and early-stage diagnosis in Appalachia: A geospatial perspective. Nengliang (Aaron) Yao, Marianne Hillemeier, Roger Anderson.


A100 Timely follow-up after an abnormal breast and cervical cancer screening among underserved, urban women in a patient navigation program. Talar Markossian, Elizabeth Calhoun, Julie Darnell.

A101 Quality improvement as a tool to reduce health outcomes disparities in breast cancer: The Chicago Breast Cancer Quality Consortium as a model. Anne Marie Murphy, Danielle Dupuy, Jennifer Orsi, Garth Rauscher.

Health Economics, Policy, and Outcomes


A104 The impact of insurance instability and care after abnormal cancer screening. Karen MFreund, Amresh Hanchate, Alexis P. Isabelle, Alok Kapoor, Sharon Bak, Marc Flore, Rebecca Grochow, Swati Shroff, Tracy A. Battaglia.

Treatment Factors and Outcomes


A106 Patient, provider, protocol, and health systems barriers to cancer clinical trial accrual at an academic medical center: Identifying interventions to increase representation of racial/ethnic minorities. James Ward, Blase Polite.

A107 Income disparities in the receipt and adherence to adjuvant hormonal therapy in a cohort of young estrogen receptor positive breast cancer cases. Jean A. McDougall, Christopher I. Li.

Plenary Session 4

Cancer Screening: Multilevel Challenges in Vulnerable Populations
Constitution Ballroom C/D/E

Chairperson: Stephen H. Taplin, National Cancer Institute, Bethesda, MD

Glass, Zapka, and Warnecke have each proposed multilevel conceptualizations of health and health disparities. While the details of each approach differ, the basic idea is the same: that health is affected by nested levels of factors that interact with each other in complex ways. Biologic differences may explain individual differences in vulnerability and responses to therapy, but those differences are also affected by individual differences in behavior and culture, and those differences in turn affect and are affected by how individuals interact with providers and the health care system. In this session we will present successes and challenges for cancer screening in underserved populations from a multilevel perspective. Speakers will consider biologic, individual, provider, organizational, and community influences upon disparities in cancer screening implementation and outcomes.

Introduction: A multilevel perspective on cancer screening
Stephen H. Taplin, National Cancer Institute, Bethesda, MD

Efficacy of PSA screening for prostate cancer: A case control study of Caucasian and African American Medicare beneficiaries [PL04-02]*
Paul A. Godley, University of North Carolina at Chapel Hill, Chapel Hill, NC

Individuals and cancer screening: Family and community influences upon colorectal cancer screening in Arizona
Maria Elena Martinez, University of Arizona, Tucson, AZ

Population impact: Using modeling to evaluate contributions of screening, treatment, and biology on disparities in breast cancer outcomes [PL04-04]*
Jeanne Mandelblatt, Georgetown Lombardi Comprehensive Cancer Center, Washington, DC

*An extended abstract for this presentation is available in the Invited Abstracts section of this book. (The abstract number is listed in brackets.)
Poster Session B
Constitution Ballrooms A/B

Behavioral and Social Science

Community-based
Participatory Research


B3 A novel participatory approach to increasing colon cancer screening in community health centers. Aimee James, Jean Wang, Kristen Massey, Graham Colditz.

B5 Region Five GMaP/BMaP Network: Preliminary findings from the comprehensive needs assessment principal investigator survey. Linda Fleisher, Carrie Norbeck, Melissa Simon, Erika de la Riva, Venk Kandadai, Anthony Giannoumis, Stacy N. Davis, Delroy Louden, Julian Schink, Robert Beck.


B7 Community-based physical activity and impacts on health disparities for men of color. Sanford E. Jeames, Sarah Witkowski.


B10 Utilizing community-based participatory research and emerging technology to design a theory-based health education intervention on prostate cancer for African American men. Euna M. August, Sean Dickerson, Dawood Sultan, B. Lee Green, Richard Roetzheim, Brian M. Rivers.


B12 GMaP and BMaP community collaboration: Addressing colorectal cancer on a regional level. Betty Thompson, Elizabeth Klonoff, Heidi Harbach, Ebere Iweriebor.

**Poster Session B**
Constitution Ballrooms A/B

**B14** Strengthening CBPR collaboration between Pacific Islander community and academic research partners. Anthony DeStefano, Jay Aromin, Jeany Dimaculangan, Isileli Vunuiva, Sora P. Tanjasiri, Ruth Peters, Vanessa Tu`one, Lois Takahashi, Lola Sablan-Santos, Lourdes Quitugu, Joey Quenga, Brian Hui, Angelica Barrera-Ng.

**Recruitment/Retention/Adherence Research**

**B15** An assessment of eligibility and enrollment into cancer clinical trials among a disadvantaged urban population. Naomi Ko, Sarah E. Caron, Tracy Battaglia.

**B16** Improving representation of diverse patients in clinical trials. Aliicia Girvan, Eduardo Pennella, Susan Fox, Erin Walls, Gerson Peltz, Gerhardt Pohl, Susan Guba, Coleman Obasaju.

**B17** Challenges tracking underserved participants in a longitudinal study. Aimee S. James, Lauren D. Arnold, Jean S. Wang.


**Socioeconomic Influences**

**B20** Examining measures of socioeconomic status for cancer disparities research. Elizabeth Gage.

**B21** Factors associated with mammography use among foreign-born women and changes over time. Nengliang (Aaron) Yao, Marianne Hillemeier.


**B24** Lifecourse socioeconomic factors and mammographic breast density. Parisa Tehranifar, Barbara A. Cohn, Catherine A. Schaefer, Piera Cirillo, Julie D. Flom, Mary Beth Terry.

**Stress**

**B25** The role of psychosocial clusters in explaining disparities among sexual minority women. Jennifer M. Jabson, Deborah J. Bowen.

**Other**

**B26** Building capacity in cancer research, training, and outreach through a Partnership to Reduce Cancer Health Disparities in Guam, Hawaii and the U.S.-associated Pacific Island jurisdictions. Carl-Wilhelm Vogel, Hali R. Robinett, Helen J.D. Whippy.


**B28** Catering to the needs of young and older Asian American breast cancer survivors: In-depth interviews. Sunmin Lee, Grace X. Ma, Carolyn Y. Fang, Lu Chen, Oh Youngsuk.

**B29** Attitudes and beliefs of college students on biospecimen collection. Ebere Iwerebor, Kate Murray, Jessica Barnack-Tavlaris, Elizabeth Klonoff.
Poster Session B
Constitution Ballrooms A/B


Cell, Molecular, and Tumor Biology
Cancer Genetics/Gene Expression

B31 Molecular signature discriminating triple-negative breast tumors between African American and Caucasian women. Rachel Ellsworth, Lori Field, Craig Shriver.


B33 Differential responses of Caucasian and African American breast cancer cell lines after EGFR and sulforaphane treatment. Tabitha M. Hardy, Trygve O. Tollefsbol.

B34 Increase in EGFR level through SLUG-induced repression of dynactin 5 in triple-negative breast cancer cells. Mukul K. Mittal, Raju Ramasamy, Gautam Chaudhuri.


DNA Methylation/Epigenetics and Chromatin Regulation


THE SCIENCE OF CANCER HEALTH DISPARITIES IN RACIAL/ETHNIC MINORITIES AND THE MEDICALLY UNDERSERVED
Other

B45  TRAIL sensitivity in triple-negative breast cancer cell lines from different ethnic backgrounds. Monzur Rahman, Meena Kattare, Stanly Lipkowitz.


Epidemiology, Lifestyle, and Genetics

Behavioral Epidemiology


B48  Health care access and breast cancer aggressiveness contribute separately to racial/ethnic disparities in stage at diagnosis. Garth H. Rauscher, Richard T. Campbell, Kathryn Weaver, Richard B. Warnecke.


Diet and Nutrition


B54  Biological and environmental predictors of vitamin D status in African American and European American men in Chicago. Adam B. Murphy, Yaw Nyame, Brian Kelley, Demetria J. Smith, Lauren Castaneda, Katherine Minaya, Courtney M.P. Hollowell, Rick A. Kittles.

B55  Antioxidant intake and breast cancer survival among Hispanic and non-Hispanic white women: The New Mexico Women’s Health Study. Nandita Das, Richard N. Baumgartner, Christina M. Pinkston, Kathy B. Baumgartner.

Exercise and Prevention


B58  Promoting healthy lifestyle and cancer awareness through a Pacific Islander fitness day. Jonathan “Tana” Lepule, Sefa Aina.
Molecular Epidemiology

B59 Patterns of breast cancer mortality over 10 years by tumor phenotype and Hispanic versus non-Hispanic white ethnicity. Stephanie R. Denkhoff, Kathy B. Baumgartner, Christina M. Pinkston, Dongyan Yang, Richard N. Baumgartner.

B60 Hsa-miR-27a drives an association of MBL2 3’UTR haplotype with colon cancer risk in African Americans. Majda Haznadar, Krista Zanetti, Ana Robles, Bríd Ryan, Andrew McClary, Curtis Harris.


Organ Site Research

Breast Cancer


B63 ESR1 variants are not associated with breast cancer in African American women. Heather M. Ochs-Balcom, Lara Sucheston, Song Liu, Carolyn Hutter, Alicia Young, Ulrike Peters, Rowan Chlebowski, Jean Wactawski-Wende.

B64 Low estrogen receptor expression level and early age of breast cancer onset are the common breast cancer features in Arab population. Mariam Al Dhahei.

B65 Coordinated care model to reduce rural disparities in breast cancer mortality. Sarah J. Gehlert, Courtney Beers, Graham A. Colditz.

Colorectal Cancer

B70 Race, age, and advanced stage colorectal cancer survival. Kristin Wallace, Stephanie Oppenheimer, Marvella E. Ford, Grace Williamson, Anthony J. Alberg.


Gastrointestinal Cancers

Genitourinary Cancers

B74 Essential role of Skp2 in castration-resistant prostate cancer. Zhenbang Chen.

Gynecological Cancers


Head and Neck Cancers

B76 Thyroid cancer ethnic disparity in Hawaii: BRAF mutation within the Filipino population. Shane Y. Morita, Chelestes K. Grace, Christopher A. Lum, James W. Davis.


Lung Cancer


B79 Disparities in access to the EGFR assay. Julie A. Lynch, Christopher S. Lathan.

Other Organ Sites


Prevention Research

Prevention Behaviors

B83 Factors influencing adherence to mammography screening guidelines in Appalachian women participating in a mobile mammography program. Ami Vyas, S. Suresh Madhavan, Traci Lemasters, Elvonna Atkins, Stephienie Kennedy, Kimberly Kelly, Linda Vona-Davis, Joel Halverson, Scot Remick.


Screening and Early Detection

B87 The effect of imaging on clinical management of breast pain. Mary Beth Howard, Tracy A. Battaglia, Karen M. Freund.


B93 Colorectal cancer screening patterns among residents living in Ohio Appalachia. Electra D. Paskett, Mira L. Katz, Gregory Young, David M. Murray, Chul-joo Lee, Michael Pennell, Cathy Tatum, Janice Krieger, Michael Slater.


B95 In four Midwest tribes there are few significant differences in the screening adherence of higher and lower risk women. Wesley O. Petersen, Ann M. Nicometo, Robert Vierkant, Marilyn Roubidoux, Steven Haugen, Judith S. Kaur.


B97 Potential missed opportunities for early detection with screening mammography: Does the quality of radiologist’s interpretation vary by patient socioeconomic advantage/disadvantage? Jenna A. Khan, Emily F. Conant, Garth H. Rauscher.

B99 Electronic prompting significantly increases hepatitis B screening in at-risk Asian populations. Leeyen Hsu, Christopher L. Bowlus, Susan Stewart, Tram Thanh Nguyen, Julie Dang, Moon S. Chen.

Vaccines and Immunoprevention


B107  Combination therapy of kidney cancer using bortezomib and natural killer (NK) cell transfer. Samuel Troy Pellom, Anshu Malhotra, Anil Shaker.

B108  Combining Notch immunostimulation and bortezomib with adoptive immunotherapy in breast cancer. Anshu Malhotra, Samuel Troy Pellom, David P. Carbone, Mikhail M. Dikov, Anil Shaker.
Special Session

Increasing Recruitment of Minorities and the Medically Underserved for Research Studies

Presented by the Love/Avon Army of Women
Constitution Ballrooms C/D/E

Chairperson: Susan M. Love, Dr. Susan Love Research Foundation, Santa Monica, CA

The panel will focus on the Love/Avon Army of Women initiative and how it serves as a viable resource for recruiting minorities and the medically underserved for translational research looking into the cause and prevention of breast cancer. Each panelist will focus on their experience using the Army of Women for their specific research study that required participation of racial/ethnic minorities and the medically underserved. Dr. Susan Love will discuss the overall vision for the initiative, some of the success stories, and the Army of Women’s minority outreach efforts. Dr. Ochs-Balcom has used the Army of Women for her research study searching for new genetic risk factors for breast cancer in African American women. Dr. Arcaro has used the Army of Women for her research study to determine if breast cancer and breast cancer risk can be accurately assessed from a breast milk sample. Both researchers will discuss how the Army of Women has accelerated their research and enabled them to save money, time, and resources. Rosemarie Rogers, an advocate member of the Army of Women Scientific Advisory Committee, will discuss the importance of including racial/ethnic minorities and the medically underserved in research studies and how the Army of Women can facilitate the recruitment process.

Panelists:
Susan M. Love
Heather M. Ochs-Balcom, University at Buffalo, Buffalo, NY
Kathleen F. Arcaro, University of Massachusetts, Amherst, MA
Rosemarie Rogers, Army of Women Scientific Advisory Committee, Santa Monica, CA
Policy Forum 1

The Implementation of Health Care Reform: How Does It Address Health Disparities?
Constitution Ballrooms C/D/E

Speaker: Caya B. Lewis, Chief of Staff, Centers for Medicare & Medicaid Services, Baltimore, MD; former Deputy Staff Director for Health for the U.S. Senate Health, Education, Labor and Pensions Committee

The Patient Protection and Affordable Care Act (PPACA), also referred to as the health care reform legislation, included several provisions aimed at addressing and reducing health disparities in the U.S., including some related to cancer. Eighteen months after the bill was signed into law, work continues to implement these provisions and improve health care for millions of Americans, particularly in underserved communities. Hear from Ms. Caya Lewis, a former Senate staffer and now Obama Administration appointee who was intimately involved in the drafting of disparities-related provisions within the PPACA. She will provide a unique and valuable perspective on health care reform and how it is seeking to improve access to preventive and coordinated care for minority populations, as well as increase diversity and cultural competency among health practitioners.

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Plenary Session 5

Tobacco: Still the Dominant Global Health and Disparities Threat
Constitution Ballrooms C/D/E

Chairperson: Roy S. Herbst, Yale Comprehensive Cancer Center, New Haven, CT

Despite the clear evidence that tobacco use causes many types of cancer and myriad other diseases, tobacco use remains the world’s leading cause of premature death. Sadly, the enormous burden of tobacco use disproportionately affects certain population groups. Disparities are apparent throughout the entire tobacco continuum from initiation of use and smoking behavior to efficacy of and access to cessation treatments and success in quitting to the resulting health consequences such as cancer. Understanding the role of tobacco use in cancer health disparities is critical to developing approaches that will help target vulnerable populations with more effective interventions.

An overview of the global tobacco epidemic [PL05-01]*
Michele Bloch, National Cancer Institute, Rockville, MD

Tobacco use and cancer disparities: An AACR perspective
Roy S. Herbst

Tobacco-related disparities and the Family Smoking Prevention and Tobacco Control Act [PL05-03]*
Cathy Backinger, U.S. Food and Drug Administration, Rockville, MD

Global tobacco inequalities: Role of communication, marketing, and promotion
K. Vish Viswanath, Dana-Farber Cancer Institute, Boston, MA

*An extended abstract for this presentation is available in the Invited Abstracts section of this book. (The abstract number is listed in brackets.)
Plenary Session 6

Patient Navigation in Cancer Care: 
Results from the Patient Navigation Research Program
Constitution Ballrooms C/D/E

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

Patient navigation (PN) has been proposed as a solution to address health disparities. The PN Research Program, sponsored by the National Cancer Institute and the American Cancer Society, evaluated the effectiveness of PN in reducing delays in time to resolution of abnormal screening tests and starting treatment at nine sites across the United States for participants with four types of abnormalities or cancer: breast, cervical, colorectal, and prostate cancer. This session will present the first pooled results from this national effort in relation to the four major outcomes of the PN Research Program: time to resolution of screening abnormalities; time to starting cancer treatment; patient satisfaction with care and navigation; and cost effectiveness of PN.

Introduction: Patient Navigation Research Program
Electra D. Paskett

Patient navigation and timeliness of diagnostic evaluation: Results for the Patient Navigation Research Program [PL06-02]*
Karen Freund, Boston University, Boston, MA

Effect of patient navigation on time from definitive diagnosis to initiation of treatment (T2) for breast, prostate, colorectal, and cervical cancers [PL06-03]*
Steven R. Patierno, George Washington University, Washington, DC, and
Peter C. Raich, University of Colorado, Denver, CO

Patient navigation and patient satisfaction with cancer-related care [PL06-04]*
Kevin Fiscella, University of Rochester, Rochester, NY

The cost effectiveness of patient navigation [PL06-05]*
Mark Bensink, Fred Hutchinson Cancer Research Center, Seattle, WA

Panel Discussion

*An extended abstract for this presentation is available in the Invited Abstracts section of this book. (The abstract number is listed in brackets.)
Pharmacogenetics of Cancer Therapy: Challenges and Opportunities
Constitution Ballrooms C/D/E

Chairperson: Francis Ali-Osman, Duke University Comprehensive Cancer Center, Durham, NC

Advances in pharmacogenetics, the science that defines the contributions of genetic variations in candidate genes, gene families, and gene networks to treatment outcome, have shown inherited genetic variability to be a significant determinant, not only of tumor response to therapy but also the nature and level of normal tissue toxicity associated with the therapy. This session will focus on recent advances, opportunities, and challenges in cancer pharmacogenetics as determinants of treatment outcome in cancer. Concepts will be presented, supported by data, on the use of candidate gene and whole genome strategies to identify gene variations that serve as markers of cancer treatment response and/or account for variability between individuals, ethnic groups, and populations in their responsiveness to anticancer drug therapy.

Linkage disequilibrium-based analysis of DNA repair and GST genes in malignant gliomas: A unique tool in defining the association between genetic diversity and survival [PL07-01]*
Francis Ali-Osman

Whole genome approaches to identify pharmacogenomic markers of anticancer agents [PL07-02]*
M. Eileen Dolan, University of Chicago, Chicago, IL

Ethnic differences and copy number imbalance in outcomes of early-stage breast cancer
Patricia Thompson, Arizona Cancer Center, Tucson, AZ

*An extended abstract for this presentation is available in the Invited Abstracts section of this book. (The abstract number is listed in brackets.)
Ensuring a Diverse Scientific Workforce of the Future
Constitution Ballrooms C/D/E

A recent NIH-funded analysis showed that the biomedical research workforce in the U.S. is not as diverse as it could be, and this fact is of concern to many in the scientific community. The cancer research community is no exception. Leadership at the National Institutes of Health (NIH) has grappled with this issue and called for a renewed effort to increase diversity in the scientific workforce, as well as do more to support researchers from minority populations. What can the cancer research community do to facilitate and encourage the recruitment and advancement of underrepresented minorities in cancer research? Hear from leaders in the minority academic communities about the challenges we face recruiting racial and ethnic minorities into careers in science, and learn about successful efforts underway to overcome them to produce a more inclusive and culturally diverse research workforce in the future.

Participants:
Douglas M. Garcia, Executive Director, Federal Relations and Outreach, Hispanic Association of Colleges and Universities, Washington, DC
Valerie Montgomery Rice, Dean and Executive Vice President, Morehouse School of Medicine, Atlanta, GA
Plenary Session 8

Genomics and Epigenomics of Cancer Disparities
Constitution Ballrooms C/D/E

Chairperson: Steven R. Patierno, George Washington University, Washington, DC

Differential splicing of oncogenes and tumor suppressor genes between African and Caucasian Americans: Contributing factor in prostate cancer health disparities?
[PL08-01]*
Norman H. Lee, George Washington University Medical Center, Washington, DC

Fine mapping of genetic associations in African American colorectal cancer [PL08-02]*
Nathan A. Ellis, University of Illinois at Chicago, Chicago, IL

Disparities in vitamin D levels: Gene x environment interactions
Rick A. Kittles, University of Illinois at Chicago, Chicago, IL

Exome sequencing of head and neck squamous cell carcinoma reveals a higher frequency of mutations in TP53 among African Americans**
Rafael Guerrero-Preston, Johns Hopkins School of Medicine, Baltimore, MD

*An extended abstract for this presentation is available in the Invited Abstracts section of this book. (The abstract number is listed in brackets.)

**An extended abstract for this Proffered Talk is available on page 126.

THE SCIENCE OF CANCER HEALTH DISPARITIES IN RACIAL/ETHNIC MINORITIES AND THE MEDICALLY UNDERSERVED