The Whether, How, and When of Race in Cancer Disparities Research: Three Viewpoints
Americana Ballroom Salon 4

Chairperson: Timothy R. Rebbeck, University of Pennsylvania School of Medicine, Philadelphia, PA

The concepts of race, ethnicity, and ancestry are commonly used in biomedical research. It is not always clear if or when this designation is appropriate, or how to interpret research results that involve race. There are widely divergent perceptions and uses of the value and use of race, ethnicity, or ancestry in research. Furthermore, race is being used in the translation of research into clinical practice. This session will present three different perspectives on the use and meaning of race in cancer disparities research.

A social and ethical perspective
Vence Bonham, National Human Genome Research Institute, Bethesda, MD

A Native American community perspective
Judith S. Kaur, Mayo Clinic College of Medicine, Rochester, MN

An epidemiologist’s perspective
Timothy R. Rebbeck, University of Pennsylvania School of Medicine, Philadelphia, PA
The Chronic Disease Prevention Model: It’s Time To Think Strategically

Americana Ballroom Salon 4

Chairperson: Elena Martínez, University of Arizona Cancer Center, Tucson, AZ

According to the World Health Organization, chronic noncommunicable diseases, including cancer, are responsible for 60% of all deaths worldwide. This global epidemic represents diseases that are highly preventable through the elimination of shared risk factors that include tobacco use, unhealthy diet, physical inactivity, and harmful use of alcohol. Prevalence of these risk factors is known to be disproportionately higher among racial/ethnic minorities and individuals from poor communities. Thus, while important gains have been made in primary prevention of chronic diseases, some population groups continue to lag behind. This session will highlight the principles of the chronic disease model and describe opportunities for launching collaborative programs across disease sites including cancer, cardiovascular diseases, chronic respiratory diseases, and diabetes. This comprehensive approach has the potential to ultimately improve cancer and other chronic disease prevention efforts in underserved communities.

Strategic considerations in applying U.S.-conceived models in cultures or settings other than those in which they were tested [ED02-01]*

Lawrence W. Green, University of California, San Francisco, CA

Vitamin D status as a measure of chronic disease risk [ED02-02]*

Elizabeth T. Jacobs, University of Arizona Cancer Center, Tucson, AZ

Addressing physical activity and obesity in the primary prevention of cancer [ED02-03]*

Antronette Yancey, University of California Los Angeles School of Public Health, Los Angeles, CA

*An extended abstract for this presentation is available in the Invited Abstracts section of the Proceedings (the abstract number is listed in brackets above).
Opening Plenary Session
Thursday, September 30, 2010
7:00 p.m.-8:15 p.m.

Americana Ballroom Salon 4

Welcome and Opening Remarks
Margaret Foti, AACR, Philadelphia, PA
Levi A. Garraway, Dana-Farber Cancer Institute, Boston, MA

Special Video Presentation
Science Policy Evolves From Science
The formulation and implementation of government programs that are aimed at combating cancer health disparities, either through specific proposals acted upon by Congress or established administratively through the efforts of federal agency officials, are most effective when they proceed from a solid scientific foundation. This special short video presentation includes perspectives of numerous Congressional and federal agency leaders as they provide their ideas and thoughts on the specific policy prescriptions that are necessary to help combat cancer health disparities.

Keynote Address
Money, maps, and mom: Fighting cancer in the 21st century [KN01]*
Arthur L. Kellerman, RAND Corporation, Arlington, VA

First AACR Distinguished Lecture on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved
Supported by a generous grant from Susan G. Komen for the Cure®
Charles M. Perou, University of North Carolina, Lineberger Comprehensive Cancer Center, Chapel Hill, NC

*An extended abstract for this presentation is available in the Invited Abstracts section of the Proceedings (the abstract number is listed in brackets above).
How Can Science Drive Public Discourse to Impact Cancer Health Disparities?
American Ballroom Salon 4

Chairperson: Garth Graham, U.S. Department of Health and Human Services, Rockville, MD

Title to be announced
Garth Graham, U.S. Department of Health and Human Services, Rockville, MD

Where racial/ethnic populations are with respect to the cancer fight
Moon S. Chen, Jr., University of California Davis Cancer Center, Sacramento, CA

Title to be announced
Lovell A. Jones, UT M. D. Anderson Cancer Center, Houston, TX

The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved
Blending Methodologies to Optimize Cancer Disparities Research
Americana Ballroom Salon 4

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

This session will explore what is missed when interventions and behavior are studied using only quantitative/deductive methods and the insights to culture and social context that can be achieved when blending the above with qualitative/inductive methods. Importantly, reviewers are responding very favorably to these approaches. Topics include the quantifiability of culture; the limitations of focus group methodology in seeking cultural sensitivity; and examples of mixed methods configurations in cancer disparities studies and the possibilities of those still to come.

The imperative of mixed methods for cancer disparities research [PL01-01]*

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

The methodologies of mixed methods research

Anthony Onwuegbuzie, Sam Houston State University, Huntsville, TX

Advancing racial and ethnic health disparities research through mixed methods

Sheba George, Charles Drew University of Medicine and Science, Cerritos, CA

Contexts of clinical trials decision making: A multimethod approach [PL01-04]*

Nancy J. Burke, University of California, San Francisco, CA

*An extended abstract for this presentation is available in the Invited Abstracts section of the Proceedings (the abstract number is listed in brackets above).
Prostate Cancer: Disparities in the Most Common Cancer in Men
Americana Ballroom Salon 4

Chairperson: William G. Nelson, Johns Hopkins Kimmel Comprehensive Cancer Center, Baltimore, MD

Prostate cancer has become one of the leading causes of morbidity and mortality among men in the United States, especially for African American men. Disparities in prostate cancer outcomes among different race/ethnic groups are striking: Death rates for African American men are nearly twice those for Caucasians. The source of these disparities are complex, ranging from differential access to and utilization of screening, varied attitudes toward treatments and treatment options, inherited susceptibilities for disease development, and differences in molecular pathways for disease pathogenesis. This session focused on prostate cancer disparities will tackle each of these contributing factors.

Race/ethnicity and inherited susceptibility to prostate cancer
Kathleen A. Cooney, University of Michigan Comprehensive Cancer Center, Ann Arbor, MI

Profiling of prostate tumors to identify factors that contribute to health disparities [PL02-02]*
Stefan Ambs, National Cancer Institute, Bethesda, MD

Disparities in screening and primary treatment for prostate cancer
Stephen J. Freedland, Duke University, Durham, NC

Disparities in treatment decision making, watchful waiting/expectant management of indolent prostate cancer [PL02-04]*
Mack Roach, III, UCSF Helen Diller Family Comprehensive Cancer Center, San Francisco, CA

*An extended abstract for this presentation is available in the Invited Abstracts section of the Proceedings (the abstract number is listed in brackets above).
Spotlight on Proffered Abstracts: Session 1
Americana Ballroom Salon 4

Chairperson: Levi A. Garraway, Dana-Farber Cancer Institute, Boston, MA

Genetic African ancestry and race differences in blood insulin-like growth factor 1 (IGF-1), IGF-2, and IGF binding protein 3 (IGFBP-3) [PR-1]*
Jay H. Flowke, Vanderbilt University, Nashville, TN

Within-group differences between native-born and foreign-born black men on prostate cancer risk reduction and early detection practices [PR-2]*
Folakemi Odedina, University of Florida, Gainesville, FL

CDX-2 polymorphism, calcium intake and prostate cancer risk for African Americans in a population-based study [PR-3]*
Glovioell Rowland, University of Southern California, Los Angeles, CA

Genetic heterogeneity in colorectal cancer associations in African Americans [PR-4]*
Nathan A. Ellis, University of Illinois at Chicago, Chicago, IL

*An extended abstract for this presentation is available in the Proffered Abstracts section of the Proceedings (the abstract number is listed in brackets above).
Global Cancer Research and Training: Collaborating Internationally to Improve Health Outcomes

Chairpersons: Silvia Franceschi, International Agency for Research on Cancer, Lyon, France; Serigne M. Gueye, African Organization for Research and Training in Cancer (AORTIC), Dakar, Senegal

Cancer is becoming more of a global burden than ever. In response, attendees will hear from national and international experts in cancer health disparities research and training and share in a discussion of new and proposed interventions, strategies, and programs to address the reduction and/or elimination of global cancer health disparities.

The intent of the session is to: 1) Identify biomedical research opportunities to train the next generation of medical and behavioral researchers, both U.S. and international, in global cancer health disparities. 2) Discuss strategies to collect, analyze, and disseminate research and training on the prevention, diagnosis, and treatment of cancer among racial and ethnic groups in developing and developed countries. 3) Stimulate the creation of innovative comprehensive approaches to address global cancer health disparities. 4) Identify opportunities to develop scientific teams to strengthen the current international research agenda to include initiatives that provide the region/country with research infrastructure. 5) Develop and enhance personalized, culturally appropriate interventions and strategies to improve health outcomes, expand global research training efforts, and integrate community-based participatory research.

Overview
Silvia Franceschi, International Agency for Research on Cancer, Lyon, France; Serigne M. Gueye, African Organization for Research and Training in Cancer (AORTIC), Dakar, Senegal

Differences in global cancer incidence, burden, outcome, and future predictions
Silvia Franceschi, International Agency for Research on Cancer, Lyon, France

Defining standards of care and quality metrics in low-resource settings [PL03-03]*
Benjamin Anderson, Fred Hutchinson Cancer Research Center, Seattle, WA

Discussion
Using a cancer prevention service infrastructure to foster the development of international research capacity initiatives: Lessons from Zambia
Groesbeck Parham, Center for Infectious Disease Research in Zambia (CIDRZ), Lusaka, Zambia

International clinical research: Barriers and challenges – A vision from independent and publicly funded trials [PL03-05]*
Eduardo Cazap, Latin American and Caribbean Society of Medical Oncology (SLACOM), Buenos Aires, Argentina

Discussion
Cancer genetics in the African diaspora
Rick A. Kittles, University of Chicago, Chicago, IL

Building cancer research and training partnership that promote capacity building in Africa
Serigne M. Gueye, African Organization for Research and Training in Cancer (AORTIC), Dakar, Senegal

Discussion

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

The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved
Analytical Methods

Administrative and Large-Scale Database Methods

A1 NCI CRCHD Geographic Management Program (GMaP): Catalyzing inter-institutional collaboration for enhanced cancer health disparity (CHD) research and outreach. Steven R. Patierno, Peter Shields, Sarah Hijaz, Sarah Reisinger.


Multilevel Analysis

A3 Design and model for breast cancer literacy outcomes among medically underserved females in Michigan. David Todem, Karen Patricia Williams.

A4 Do social class gradients predict breast cancer burden differently for black and white women? Ann C. Klassen, Frank Curriero, Abigail Ward.

Statistical and Epidemiological Models


Behavioral and Social Science

Cancer Communications


A10 Multimodal training of primary care physicians in cancer risk communication. Eboni Price-Haywood, Kit Shelby, Lisa A. Cooper.

A11 Development and validation of a scale to measure patient perceived similarity to their navigator. Mechelle R. Sanders, Kevin Fiscella, Paul C. Winters, Charcy M. Salamone.


A14 Qualitative study of African American smokers regarding lung cancer. Christopher Lathan, Emily Browning, Joshua Gagne.


Community-based Interventions

A20 Increasing pap testing with a community-based educational intervention in the Latina population. Jessica L. Barnack-Tavlaris, Ana Navarro, Kate Murray, Marianne McKennett, Lori McNicholas, Olga Sanchez.

A21 Changes in healthcare utilization following community cancer education programs. Kate Murray, Ana Navarro, Jessica Barnack-Tavlaris, Lupe Minero, Olga Sanchez.

A22 New instrument to measure functional breast cancer literacy. Karen Patricia Williams, Thomas N. Templin.


A26 Caseload for patient navigation: What is keeping navigators busy? Howard Mary Beth, Karen Freund, Tracy Battaglia.


A30 A cancer education program for community health workers in NYC. Martha M. Sanchez, Victor R. Grann, Carol Magai, Maxine Ashby-Thompson, Ana Chacon, Patricia Hepburn, Brenda Adjai, Alfred Neugut.

Diffusion and Dissemination Research


Genetic Testing and Counseling

A33  Culturally relevant cancer risk counseling for underserved Latinas. Juarez Gloria, Martin Perez, Veronica Lagos, Kathleen Blazer, Raquel Ogaz, Jeffrey Weitzel.


Recruitment/Retention/Adherence Research


A38  A pilot program in collaboration with African American churches successfully increases the African American population awareness of the importance of cancer research and their participation in cancer translational research studies. Monica L. Albertie, Gerardo Colon-Otero, Mary Lesperance, Jennifer Weis, Alton Coles, Nina Smith, Lynette Mills, Timothy Woodward, Alvaro Moreno Aspitia, Prakash Vithus, Floyd Willis, Amber Isley, Raphael Fonseca, Celine Vachon, S. Vincent Rajkumar.


Socioeconomic Influences

A45 Patterns of care regarding surgical choice and application of adjuvant radiation therapy for preinvasive and early-stage breast cancer in rural Appalachia. Andrew Freeman, Bin Huang, Anthony Dragun.


A47 Delayed stage colorectal adenocarcinoma diagnosis: Are we neglecting critical demographic information? John W. Morgan, Christine Guenzi, Myung Mi Cho, Christian Jackson, Sharon L. Lum, Zuhair Natto, Padma Uppala.

A48 Class, culture, and patterns of cancer care navigation. Elizabeth A. Gage.


Biomarkers

Biomarkers in Cancer Surveillance and Screening


Biomarkers in Intervention Studies

A54 miRNA profiling: Prognostic markers in chemoprevention. Jennie L. Williams, Ping Ji.

Biomarkers of Risk and Surrogate Endpoints


A56 Mitochondrial DNA damage as a biomarker of colorectal cancer susceptibility. Carlos A. Torres-Ramos, Sylvette Ayala-Torres, Sharon Fonseca-Williams, Randa El-Zein.

Molecular Diagnostics

A57 Progress on a universal classifier for tumor samples. Nia Jackson, Steven Enkemann.

Novel Technologies

A58 Super SILAC proteomics for childhood blood cancers. William E. Haskins.

The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved
Cancer Treatment and Outcomes

Drug Design, Discovery, and Delivery

A59 Developing novel peptide inhibitors to chromosomal cohesion using mRNA display for nanodrug delivery in breast cancer therapy. Elizabeth O. McCullum, Debamand Pati.

Late Effects/Survivorship


A63 Effectiveness of a holistic mind-body intervention to treat fatigue in breast cancer survivors: Does race make a difference? Susan E. Appling, Ryan MacDonald, Susan Scarvalone, Lisa Gallicchio, Kathy Helzlsouer.

A64 Review on the application of laser thermal therapy for palliation of recurrent head and neck cancer. Marcos B. Paiva, Michael Bublik, Marcio Abrahao, Joel Sercarz.

Proteomics, Chemogenomics, and Chemoinformatics


Quality of Life


A70 Crafting a collaborative agenda to create health equality: Outcomes from a cancer survivorship research roundtable. Mandi Chapman, Amina L. Gilyard, Steven Patierno.


Second Cancers

A73 Multiple primary malignancies in early-stage breast cancer patients. Dolly Quispe, Rebecca Roques-Davis, Runhua Shi, Gary V. Burton.
Epidemiology, Lifestyle, and Genetics

Behavioral Epidemiology


A75  Ten-year retrospective cross-racial and -ethnic prostate cancer incidence and mortality in the Florida Department of Corrections. Meghan E. Borysova, David T. Ensley, Nagi B. Kumar.

A76  Cancer control outcomes in Asian Americans: Using secondary data from large surveys to investigate populations with limited sample. Wen-ying Sylvia Chou, April Oh, Salma Shariff-Marco, Richard M. Moser, Shobha Srinivasan.

Diet and Nutrition

A77  Gastric cancer risk in relation to capsaicin intake, H. pylori CagA status and IL1B-31C>T genotypes. Lizbeth Lopez-Carrillo, Constanza Camargo, Mariano E. Cebrian, Barbara G. Schneider, Liviu A. Sicinschi, Raul U. Hernandez-Ramirez, Pelayo Correa.


A79  Vitamin D status and breast cancer aggressiveness among African American and European American women in South Carolina. Susan E. Steck, Rebecca Rosling, E. Angela Murphy, J. Mark Davis, James R. Hebert.

Exercise and Prevention


Familial and Genetic Epidemiology


General Epidemiology and Biostatistics

A83  The Women's Circle of Health Study: Studying breast cancer disparities through collaborative efforts. Elisa V. Bandera, Gregory Ciupak, Helena Hwang, Gary Zirpoli, Lina Jandorf, Karen Pawlish, Kitaw Demissie, Dana Bozbjerg, Christine Ambrosone.


A85  Breast cancer pathology, receptor status, and patterns of metastasis in a rural Appalachian population. Linda C. Vona-Davis, Vijaya Gadiyaram, Barbara Ducatman, Sobha Kurian, Jame Abraham, Hannah Hazard, Gerald Hobbs.


Molecular Epidemiology

A88 Differences in plasma and breast tissue adipokine levels by race and obesity status. Adana A. Llanos, Ramona G. Dumitrescu, Catalin Marian, Hyoung Seung, Kepher Makambi, Scott L. Spear, Bhaskar V.S. Kallakury, Jo Freudenheim, Peter G. Shields.

A89 HER2-overexpressing tumors and time since last pregnancy. Giovanna I. Cruz, Melissa Bondy, Adrian Daneri-Navarro, Maria Mercedes Meza-Montenegro, Luis Enrique Gutiérrez-Millan, María Elena Martínez, Patricia Thompson-Carino.


Organ Site Research

Breast Cancer

A93 Investigating reasons for ethnic disparities in breast cancer survival in New Zealand. Fiona McKenzie, Lis Ellison-Loschmann, Mona Jeffreys.


A97 Loss of function for FOXO1A contributes to poor outcome in African American and Latina women with breast cancer. Yanyuan Wu, Marianna Sarkissyan, Yayha Elshimali, Hezla Mohamed, Sheila Clayton, Dennis Slamon, Phillip H. Koeffler, Jaydutt V. Vadgama.

A98 Zinc transporter activation and the later age of lactation may increase the risk for breast cancer. Clara L. Jones, Leslie A. Johnson, Jessica Abercrombie, Omar Bagasra.


A100 Alcohol promotes breast cancer cell invasion by regulating the Nm23-ITGA5 pathway. Nomeli P. Nunez.


A102 The role of socioeconomic status, pathology and genetic biomarkers in explaining racial disparities in breast cancer survival. Terry Hyslop, Kathy A. Foley, Hallgeir Rui, Edith Mitchell.


A104 Involvement of FOXO1 in E2/ER pathway and tamoxifen resistance in MCF-7 cells. Eleby R. Washington, IV, Marianna Sarkissyan, Suren Sarkissyan, Yanyuan Wu, Jay V. Vadgama.
**Colorectal Cancer**

A105  The extracellular calcium sensing receptor regulates the proliferation of colonic epithelial cells. Osvaldo Rey, Wenhan Chang, Daniel Bikle, Nora Rozengurt, Enrique Rozengurt.

A106  Neighborhood socioeconomic deprivation is associated with higher risk of diagnosis with nonlocalized colorectal cancers. Dobenni A. Chyke, Adeyinka O. Laiyemo, Rosalie Torres Stone, Jacqueline Major, Wenjun Li, Barry Graubard, Arthur Schatzkin.

**Gastrointestinal Cancers**


**Genitourinary Cancers**


**Gynecological Cancers**


A112  Temporal trends in treatment and survival among white and black women with uterine cancer. Ilze Berzins, Kevin Albuquerque.


**Head and Neck Cancers**


**Other Organ Sites**

Center to Reduce Cancer Health Disparities Funding Opportunities in Cancer Research and Training

Americana Ballroom Salon 4

Chairperson: Alexis Bakos, National Cancer Institute, Center to Reduce Cancer Health Disparities, Rockville, MD

This session will explore the NCI Center to Reduce Cancer Health Disparities™ (CRCHD) efforts in the training of students and investigators from diverse populations who will be part of the next generation of competitive researchers in cancer and cancer health disparities research. It will provide a framework for research training opportunities, including CRCHD’s flagship diversity training programs, the Continuing Umbrella of Research Experiences (CURE) program and the Comprehensive Partnership to Reduce Cancer Health Disparities (CPRCHD) program for high school and predoctoral students, postdoctoral fellows, junior faculty, and established scientists. The session will also address forging new steps to successful research training opportunities in cancer health disparities.

Outcomes:

1) Increase competitive NCI/CRCHD grant application submissions from investigators of diverse populations with interest in cancer and/or cancer health disparities research

2) Promote communication, networking, and funding opportunities among scientific experts in cancer health disparities research and Minority-Serving Institution (MSI) predoctoral students, postdoctoral fellows, junior faculty, and established scientists

3) Advance health disparities research in cancers affecting diverse and underrepresented populations

4) Identify funding opportunities to develop scientific teams of investigators from diverse populations to strengthen the research infrastructure in cancer health disparities

Key steps to success: The CURE diversity training program

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

Forging new steps to success: Opportunities in cancer health disparities

Carmen P. Moten, National Cancer Institute, Rockville, MD

Question and Answer
Plenary Session 4
Saturday, October 2, 2010
8:00 a.m.-10:00 a.m.

Emerging Technologies for Molecular Studies in Cancer
Americana Ballroom Salon 4

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

Metabolomic profiling of cancer progression
Arun Sreekumar, Medical College of Georgia Cancer Center, Augusta, GA

Quantitative epigenomics for epidemiology research
Jean-Pierre J. Issa, UT M. D. Anderson Cancer Center, Houston, TX

Title to be announced
John D. Carpten, Translational Genomics Research Institute, Phoenix, AZ

The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved
Proffered Abstract Session  
Saturday, October 2, 2010  
10:00 a.m.-11:00 a.m.

Spotlight on Proffered Abstracts: Session 2  
Americana Ballroom Salon 4

Chairperson: Levi A. Garraway, Dana-Farber Cancer Institute, Boston, MA

Risk factor distribution among women of Mexican descent by level of acculturation: Findings from the ELLA Binational Breast Cancer Study [PR-5]*

Rachel L. Zenuk, University of Arizona, Mel and Enid Zuckerman College of Public Health, Tucson, AZ

Does racial/ethnic concordance between patients and their navigators increase identification of barriers to care? [PR-6]*

M. Christina Santana, Boston University School of Medicine, Boston, MA

A church-based hepatitis B intervention for Korean Americans [PR-7]*

Grace X. Ma, Temple University, Philadelphia, PA

Gene-environment interactions between JAZF1 and occupational and neighborhood lead exposure in African American prostate cancer cases [PR-8]*

Christine M. Neslund-Dudas, Henry Ford Hospital, Detroit, MI

*An extended abstract for this presentation is available in the Proffered Abstracts section of the Proceedings (the abstract number is listed in brackets above).
Behavioral and Social Science

Community-based Participatory Research


B3 The utilization of volunteer community health advisors as research partners to reduce cancer health disparities in African American communities. Claudia M. Hardy.

B4 Supportive care needs survey for Australian indigenous cancer patients. Patricia C. Valery, Vanessa L. Beesley, Catherine Jacka, Monika Janda, Lisa Whop, Peter O’Rourke, Adele Green, Gail Garvey.


B6 Social marketing intervention to increase HPV vaccine utilization among Hispanic girls: Preliminary data. Pamela C. Hull, Maureen Sanderson, Dineo Khabele, Juan Canedo.

B7 The Lincoln University-Fox Chase Partnership in cancer research and training. Delroy Louden, John Chikwem, Linda Fleisher, Maureen Murphy, Theresa Berger, Loretha Moore, J. Robert Beck.

B8 Research on HIV/AIDS-related cancers among racial/ethnic minority and underserved persons in the United States. Sandra F. Richardson.

B9 A health disparities and clinical trials advocacy partnership to reduce colorectal cancer among Pacific Islanders in Southern California. Sora P. Tanjasi, Maria Gonzales, Ruth Peters, Lianne Nacpil, Nancy Harris, Jay Harness.


B13 An evaluation of a multisite national cancer community-based participatory research initiative to address health disparities. John Foster-Bey, Lynn D. Disney, Tiffani Jeffries, Marcia Salazar, Timothy J. Willis.


B16 Developing a fidelity index (FI) to evaluate a community-based participatory research (CBPR) program aimed at reducing cancer health disparities. John Foster-Bey, Lynn D. Disney, Tiffani Jeffries, Marcia Salazar, Timothy J. Willis.

B17 Providing access and reducing barriers to mammography use in an underserved area. Bettina F. Drake, Shivon Tannan, Victoria Anwuri, Graham Colditz.


The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved
B19 Developing HPV educational programs in faith-based settings: Results of a community-based participatory research study. Heather M. Brandt, Kathy Dhotre, Dolores B. Scott, Deloris G. Williams, Ruby Fore Drayton, Rachel Mayo, James R. Hebert.


Decision Making

B21 Patient health literacy may affect use of screening mammography in an underinsured patient population. Lorenzo Machado, Anne E. Klemens, Jesse Nodora, Chiu-Hsieh Hsu, Rachel Zenuk, Maria Elena Martinez, Luis Borbon, Marcia E. Bouton, Ian K. Komenaka.

B22 Demographic and psychosocial predictors of low-income mothers' decision to vaccinate their daughters against HPV. Tiffany Floyd.


Health Education

B24 When promotores and advanced technology meet: A qualitative analysis of promotores' use of advanced technologies to increase colorectal cancer screening among South Texas Latinos. Arvey R. Sarah, Maria E. Fernandez, L. Kay Bartholomew.


B26 Developing a community health educator (CHE) intervention model for identifying unmet needs and assessing behavioral change with tailored health education for breast and colorectal cancer patients after cancer treatment. Bonnie Schwartzbauer, Kevin Fiscella, Starlene Loader, Sally Rousseau.


B32 Training the next generation of Hispanic cancer researchers: The UPR/UT MDACC program. Ilka C. Ríos, Elizabeth Travis.

B33 Project LINK: breaking new ground in fueling minority research experiences. John L. Robinson, Maria Rincon, Emanuel Ortiz, Nia Jackson, Megan Newton, Scott Antonia, William S. Dalton, Cathy D. Meade.

Stress

B34 Discrimination, stress, and risk factors for cancer among Latinos. India Ornelas, Norma Mariscal, Javiera Martinez, Rachel Ceballos, Beti Thompson.

Other

B35 Working to close the gap: Identifying predictors of HPV vaccine initiation among young African American women. Shalanda A. Bynum, Heather M. Brandt, Patricia A. Sharpe, Michelle S. Williams, Jelani C. Kerr.
Poster Session B

Saturday, October 2, 2010
11:00 a.m.-1:00 p.m.

Americana Ballroom Salon 3

B37  Negative affect and fruit/vegetable consumption: The nature of the relation differs by race/ethnicity. Marc T. Kiviniemi, Heather Orom, Gary A. Giovino.

B38 A summer fellowship designed to engage medical students with demonstrated interest in health disparities: Cancer in the Underprivileged, Indigent or Disadvantaged (CUPID). Fred Bunz, Gail Voelker, Richard Zellars.

B39 Administrative tools to promote cancer health disparities research partnerships. Mary A. O’Connell, Beti Thompson, Helena Loest, Jennifer Anderson.

B40 Effect of community health worker (CHW) interventions on rates of screening mammography: A systematic review and meta-analysis. Kristen J. Wells, John S. Luque, Ambuj Kumar.


B42 Assessment of an educational video and brochure in four languages: Cantonese, Hmong, Vietnamese, and English for biospecimen contributions. Julie H.T Dang, Moon S. Chen, Jr.


B44 Partnering to reduce cancer health disparities in Guam, Hawaii and the US-associated Pacific Islands through research, training and outreach. Helen J.D. Whippy, Carl-Wilhelm Vogel, Hail R. Robinett.

B45 Fear as a barrier to mammography for African American women. Jennifer Hatcher.

Carcinogenesis

DNA Damage and Repair Mechanisms

B47 Potential role for RNF8 in breast cancer development. Ivan Anduro-Corona, Patricia Thompson, Julie Buckmeier, Maria Elena Martínez, Luis Enrique Gutiérrez-Millán.

Environmental and Radiation Carcinogenesis


Mutagenesis, Oxidative Stress, and Carcinogenesis

B50 Telomerase expression is upregulated in response to severe oxidative stress. Theodor U. Uzamere.


Predictive Assays for Carcinogenicity


Tumor Promotion and Progression

B54 Pregnancy and postpartum involution promote tumorigenesis in a preclinical model for triple negative/basal breast cancer. Tanya D. Russell, Jaime Fornetti, Pepper Schedin.

Cell, Molecular, and Tumor Biology

DNA Methylation/Epigenetics, and Chromatin Regulation

B62 Epigenetic DNA methylation changes may underlie racial differences and susceptibility to prostate cancer. Bernard Kwabi-Addo, Songping Wang, Srinivasan Yegnasubramanian.

Oncogenes/Tumor Suppressor Genes


Viral Oncogenesis and Mechanisms


Other

Epidemiology, Lifestyle, and Genetics

Neighborhood Factors

B69  Effects of obesity and neighborhood socioeconomic status on prostate cancer stage and grade. Charnita M. Zeigler-Johnson, Ziyue Liu, Elaine Spangler, Timothy Rebbeck.


B71  Residential racial segregation and prostate cancer treatment decisions. Kristen Wells, George Stukenborg, M. Norman Oliver.

Obesity, Metabolism, and Cancer


B74  Racial variation of adipokine levels in women with breast cancer. Tiffany Avery, Krystal Sexton, Abenaa Brewster, Randa El-Zein, Melissa Bondy.

Race, Admixture, and Ethnicity


B77  Ethnicity and hematopoietic stem cell transplantation (HSCT) outcomes in British Columbia, Canada. Maryam Noparast, Donna Hogge, John J. Spinelli, Carolyn Gotay, Chris Bajdik.


B79  Racial and socioeconomic disparities in time to treatment for breast cancer in the District of Columbia. Heather A. Young, Margaret Ulfers, Steven R. Patierno.


B81  A spatial analysis of racial variation in post-treatment outcomes in prostate cancer. M. Norman Oliver, Kristen Wells, George Stukenborg.

Other Risk Factors

B83  Breast cancer risk evaluation and action using the OncoVue Risk Tool in self-referred and targeted minority populations. Kari A. Casas.

B84  Lower vitamin D status among black Americans may explain much of the racial disparities in cancer outcomes. William B. Grant.

The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved
Health Economics, Outcomes, and Policy Research

Health Economics, Policy, and Outcomes


B86 Health care utilization during transition to Medicare coverage in patients with prostate cancer: Evidence from CaPSURE registry. Natalia Sadetsky, Matthew Cooperberg, Dejana Braithwaite, Rena Pasick.

B87 The impact of insurance and treatment on racial differences in uterine cancer survival: A study of patients in the National Cancer Database. Stacey A. Fedewa, Catherine Lerro, Dana Chase, Elizabeth M. Ward.

Healthcare Systems

B88 Can a Papanicolau test screening service improve outcomes among women admitted to a rural community hospital? Jesse F. Greenblatt, Judith S. Jacobson, Melissa Brower, Nicole Krupa, Paul Jenkins.

B89 The influence of race/ethnicity on facility use and postsurgical hospitalization among Medicare beneficiaries with breast cancer. Tracy L. Onega, Julie Weiss, Aaron Jenkyn.


Treatment Factors and Outcomes


B92 Satisfaction with a breast cancer patient navigation program: Perspectives of patients, navigators, and clinical staff. Marvella E. Ford, Kathleen Cartmell, Debbie C. Bryant, Melanie S. Jefferson, Anthony J. Alberg.

B93 Does race predict the likelihood of laparoscopic versus open colorectal cancer resection? Michael Y. Lee, Joshua Wallet, Theodore Bell, Rodney Grim, Vanita Ahuja.

B94 A 10-year retrospective analysis of African American and white patients with diffuse large B cell lymphoma treated at the University of Alabama at Birmingham. Uma M. Borate, Will Donnelan, Angelina The, James Foran.


Prevention Research

Prevention Behaviors

B96 Increasing access and utilization of supportive care activities through health information technology: A prostate cancer example. David Victorson, Phoebe Block, Sarah Buono, Thomas Mason, Pete Thomas, Marcus Murray.


Screening and Early Detection


B99 A community-based randomized trial to increase colorectal cancer screening: Approaches to assessing intervention effectiveness, subgroup analyses and behavioral mediators of screening. Annette E. Maxwell, Roshan Bastani, Catherine M. Crespi, Leda L. Danao.

B100 Regional predictors of smoking status in three cities in Tennessee. Kushal A. Patel, Jianguo Liu, Donna Kenerson, Maureen Sanderson, Margaret Hargreaves.

B101 Cervical cancer screening along the U.S./Mexico border. Beti Thompson, Hugo Vilchis, Crystal Moran, Gloria D. Coronado.
**Poster Session B**

**Saturday, October 2, 2010**

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

**Americana Ballroom Salon 3**

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**B102** Colorectal cancer screening practice among primary care physicians in rural, Indian Health Service, and community health center facilities.

Jesse Nodora.


Hui Liu, Susan Sloan, Fahima Nasreen, Mahesh Krishnamurthy.

**B104** Disparities in colorectal cancer screening among motivated men participating in a prostate cancer risk assessment program.

Michael J. Hall, Karen Ruth, Veda N. Giri.

**B105** Addressing colorectal cancer disparities in rural Appalachia.

Mark Dignan, Nancy Schoenberg, Brent Shelton, Kevin Pearce, Cheri Tolle.

**B106** Breast cancer screening among American Indian/Alaska Native (AI/AN) women: Adherence and risk factor associations in four Bemidji area tribes.

Wesley O. Petersen, Ann M. Nicometo, Marilyn A. Roubidoux, Robert A. Vierkant, Steve Haugen, Judith S. Kaur.

**B107** Colorectal cancer (CRC) screening: What is discussed with patients in a federally qualified health center?

Mira L. Katz, Justin King, Kathy Eubanks, Electra D. Paskett.

**B108** “GET SCREENED”: A randomized trial of reminders, recall and outreach (RRO) to improve cancer screening in safety-net primary care practices.

Kevin Fiscella, Samantha Hendren, Sharon Humiston, Patricia Ford, Paul Winters, Ray Specht, Starlene Loader, Amy Yoshia, Steve Marcus, Shirley Pope, Amna Idris.

**B109** Salivary markers and risk factor data: Toward a new combined approach to predict head and neck squamous cell carcinoma.

Lutecia H. Mateus Pereira, Isildinha Reis, Robert Duncan, Aymee Perez, Islamiyat Nancy Adebisi, Elizabeth J. Franzmann.

**B110** Gender differences in cancer screening beliefs and behaviors: Implications for health promotion.

Jenna L. Davis, B. Lee Green, Ralph V. Katz.

**B111** Disparities in colorectal cancer: Who receives screening?

JoAnn S. Oliver, Rebecca S. Allen, Jamie DeCoster, Courtney Worley, Leslie Palardy, Giyeon Kim.

**B112** Relationship of colorectal cancer awareness and knowledge with colorectal cancer screening: Results of a population-based study.

Heather M. Brandt, Heather Ranhofer, Patricia A. Sharpe, James W. Hardin.

**B113** Regional differences in barriers to breast cancer screening among low-income African American women in Nashville, Chattanooga, and Memphis, Tennessee.

Donna M. Kenerson, Kushal Patel, Jianguo Liu, Margaret K. Hargreaves.

**B114** Comparative effectiveness research on colorectal cancer screening.


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**Vaccines and Immunoprevention**

**B115** Barriers to HPV vaccination of Medicaid patients among Florida physicians.


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**Organ Site Research**

**Breast Cancer**

**B116** Comparison of African American (AA) and Caucasian patients with respect to radiotherapy (RT) delivery in National Surgical Adjuvant Breast & Bowel Project (NSABP) breast cancer treatment trials.

Charles R. Thomas, Jr., Khaleelah Z. Glover, John W. Wilson, Eleanor Feingold, John P. Constantino.
A Novel Method to Recruit Minorities and the Medically Underserved for Research Studies

Americana Ballroom Salon 4

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

This panel discussion will focus on the Love/Avon Army of Women initiative and how it serves as a new approach 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 and some of the success stories. Drs. Sheppard, Graves, and Boehmer have used the Army of Women for their research studies, focusing on African-Americans, Latinas, and lesbian/bisexual women, respectively. They will discuss how this resource has accelerated their research and enabled them to save money, time, and resources. Supported by Love/Avon Army of Women.

Panelists:

Susan M. Love
Vanessa B. Sheppard, Georgetown University Medical Center, Washington, DC
Kristi D. Graves, Georgetown University, Washington, DC
Ulrike Boehmer, Boston University School of Public Health, Boston, MA
Accrual and Retention of Minority and Underserved Populations: Moving Toward the Positive

Americana Ballroom Salon 4

Chairpersons: Eddie Reed, University of South Alabama, Mobile, AL; Bettye L. Green, Saint Joseph Regional Medical Center, South Bend, IN

In 2009, the National Cancer Institute reported that the death rate for all cancers diagnosed in black and Hispanic patients was 33% higher in men and 16% higher in women than in their white counterparts (www.cancer.gov). Even when cancers are discovered at the same stage of progression and patients receive the same course of treatment, a much smaller percentage of minority patients make it to remission. This session will address the various factors that contribute to cancer mortality among minorities, proposing that increased community education efforts and enrollment in clinical trials will begin to bridge the racial gap, resulting in new discoveries and an increased standard of care. The challenge of effectively preventing, diagnosing, and treating cancer is greater today than ever before, but so is the understanding that it’s time to act. Are we ready?

The relevance of clinical trials to minorities

Sandra Millon-Underwood, University of Wisconsin, Milwaukee, WI

American College of Surgeons Oncology Group and cancer health disparities in clinical trials

David M. Ota, Duke University Medical Center, Durham, NC

Clinical trials, personalized medicine, and vulnerable patient populations

Christopher Lathan, Dana-Farber Cancer Institute, Boston, MA

It’s time... Are we ready? Looking at trial design, marketing, advocacy for enrollment, and retention of minority in clinic trials

Bettye L. Green, Saint Joseph Regional Medical Center, South Bend, IN

The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved
Emerging Molecular Determinants of Cancer Across Populations
Americana Ballroom Salon 4

Supported by:

Chairperson: Cheryl L. Willman, University of New Mexico Cancer Research and Treatment Center, Albuquerque, NM

Discovery of novel genetic abnormalities and association with race and ethnicity in pediatric high-risk acute lymphoblastic leukemias

Cheryl L. Willman, University of New Mexico Cancer Research and Treatment Center, Albuquerque, NM

Viral related malignancies affecting ethnic minorities and immigrant sub-populations in the United States [PL06-02]*

Juan Carlos Ramos, University of Miami Sylvester Comprehensive Cancer Center, Miami, FL

Title to be announced

Cosette M. Wheeler, University of New Mexico Health Sciences Center, Albuquerque, NM

*An extended abstract for this presentation is available in the Invited Abstracts section of the Proceedings (the abstract number is listed in brackets above).
Racial and ethnic minorities and persons from medically underserved populations have a greater likelihood of being diagnosed with cancer at later stages, resulting in higher cancer mortality rates. Evidence exists that underutilization of early detection tests and failure to receive prompt and proper treatment contributes to the difference in mortality. Comparative effectiveness research (CER), with its focus on improving the delivery of health care, provides a methodology for understanding and addressing these disparities. Presenters in this session will: 1) provide an overview of CER; 2) describe methods used for CER and provide several examples of CER that relate to disparities in cancer treatment; and 3) review promising interventions and highlight areas that still need to be explored using CER to improve adoption of interventions that can increase the use of early detection tests in at-risk populations.
Breast Cancer Disparities

American Ballroom Salon 4

Chairperson: Lisa L. Baumbach-Reardon, University of Miami Miller School of Medicine, Miami, FL

Ethnic/racial disparities in breast cancer morbidity and mortality are well documented. For example, breast cancer (BC) is the second leading cause of cancer death among African American (AA) women, and mortality is 20% greater than Caucasians. AA women are also more likely to have poorly differentiated BC that is also ER, PR and HER-2 negative—factors associated with more aggressive tumorigenicity. Recent data provide strong evidence for poorer survival rates and advanced stage at presentation in Hispanic (His) BC patients as compared to non-His white subjects. In summary, significant ethnic-specific differences in stage of presentation and survival rates among different racial/ethnic groups in North America have been well documented. These differences are undoubtedly a result of a combination of contributing factors, including socioeconomic, lifestyle, tumor characteristics, and inherent factors, such as genetic composition. In this session, nationally recognized speakers will provide an overview of current understanding and issues in BC disparities; provide information on genetic factors and research into ethnic-specific genomic differences contributing to these disparities; and discuss barriers to screening and reduced survival in different ethnic groups, while highlighting some community-based programs to improve access to screening and interventions. The session will allow time for audience participation.

Overview of breast cancer disparities

Lisa A. Newman, University of Michigan Comprehensive Cancer Center, Ann Arbor, MI

Racial disparities in breast cancer: One size does not fit all
Erin N. Kobetz, University of Miami Miller School of Medicine, Miami, FL

The origin and evolution of patient navigation
Harold P. Freeman, Ralph Lauren Center for Cancer Care and Prevention, New York, NY

Genomic/genetic differences in breast cancer across ethnicities
Lisa L. Baumbach-Reardon, University of Miami Miller School of Medicine, Miami, FL

Engaging immigrant Latinas in community-based interventions: Methods may be more important than messages for increasing screening [PR-9]*
Deborah O. Erwin, Roswell Park Cancer Institute, Buffalo, NY

Impact of race, ethnicity and health insurance on delays in breast cancer diagnosis in the District of Columbia [PR-10]*
Heather J. Hoffman, The George Washington University, Washington, DC

*An extended abstract for this presentation is available in the Proffered Abstracts section of the Proceedings (the abstract number is listed in brackets above).
Plenary Session 8

Sunday October 3, 2010
10:30 a.m.-12:30 p.m.

Personalizing Cancer Prevention and Therapy
Americana Ballroom Salon 4

Chairperson: Alex A. Adjei, Roswell Park Cancer Institute, Buffalo, NY

Personalizing cancer therapy: Implications for health disparities
Alex A. Adjei, Roswell Park Cancer Institute, Buffalo, NY

From genomics to personalized medicine in oncology
Levi A. Garraway, Dana-Farber Cancer Institute, Boston, MA

Race and cancer treatment outcome: Roswell Park over 50 years [PL08-03]*
James R. Marshall, Roswell Park Cancer Institute, Buffalo, NY

Title to be announced
Patricia A. Thompson, University of Arizona, Tucson, AZ

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

The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved