C001 TP53 mutations reprogram fatty acid metabolism and tumor microenvironment in African American patients with non-small cell lung cancer. Liang Liu, Wake Forest Baptist Comprehensive Cancer Center, Winston Salem, NC

C002 Dysregulation of Fatty acid metabolism by TP53 mutations underlies more aggressive endometrial cancers in African American women. Liang Liu, Wake Forest Baptist Comprehensive Cancer Center, Winston Salem, NC

C003 A machine learning-based approach to identify biomarkers of environmental toxicant exposures relevant to liver cancer disparities in rural Illinois. BRANDI SMITH, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, URBANA, IL

C004 Collecting evidence to drive research that addresses community cancer needs in Western Washington. Katherine Briant, Fred Hutchinson Cancer Research Center, Seattle, WA

C005 Racial disparity, stage at diagnosis, and treatment patterns of colorectal cancer: Analysis of data from a hospital-based cancer registry, Virginia 2008-2016. Hadiza Galadima, Old Dominion University, Norfolk, VA

C006 Sociodemographic predictors of adherence to postoperative surveillance colonoscopy among patients diagnosed with non-metastatic colorectal cancer. Janeth Sanchez, University of Washington, Seattle, WA

C007 Multi-level Analysis of Person-, County- and State-Level Contributors to Triple-Negative Breast Cancer Diagnosis among Women in the United States. Lia Scott, Georgia State University, Atlanta, GA

C008 Descriptive Analysis of Black/White Disparities in Triple Negative Breast Cancer for the United States – A Population Based Study from the United States Cancer Statistics database. Lia Scott, Georgia State University, Atlanta, GA

C009 Colorectal cancer screening racial disparities among respondents who participated in 2016 CDC behavioral risk factor surveillance system. Jingwei Song, University of Virginia, Charlottesville, Virginia of America

C010 The wiring between genes and short non-coding RNAs in cancer depends on race/ethnicity and sex. Aristeidis Telonis, Thomas Jefferson University, Philadelphia, PA
Neighborhood socioeconomic status but not individual self-efficacy moderates associations between neighborhood walkability and adolescent physical activity in the NCI geoFLASHE Study. Heather D’Angelo, University of Wisconsin-Madison, Madison, WI

Geospatial Analytics and Sensitivity/Specificity Assessments to Inform Liver Cancer Prevention. Shannon Lynch, Fox Chase Cancer Center, Philadelphia, PA

Social network analysis with respondent driven sampling data: A study of ethnic and geographic integration on Guam and Hawaii. Grazyna Badowski, University of Guam, Mangilao, GU

Racial differences in the incidence of fatal prostate cancer in two countries: An ecological comparison of the United States and England. Eboneé Butler, National Cancer Institute, Bethesda, MD

Breast cancer trends and disparities in an urban setting. Hee-Soon Juon, Thomas Jefferson University, Philadelphia, PA

Disparity subtyping: Bringing precision medicine closer to disparity science. J. Sunil Rao, University of Miami, Miami, Florida

The mediating effect of hormone therapy compliance in the relationship between race and survival among breast cancer patients in South Carolina: A causal mediation analysis. Samantha Truman, University of South Carolina, Columbia, SC

Regularized Multiple Mediation Analysis for Big Data Set – With an Application to Explore Racial Disparity in Breast Cancer Survival. Qingzhao Yu, Louisiana State University Health Sciences Center, New Orleans, LA

Affective Mechanisms of Stress-Induced Cigarette Craving: Considerations of Sex and Ethnicity. Joel Erblich, Hunter College and Icahn School of Medicine at Mount Sinai, New York, NY

Integrated molecular approach to identify biological factors contributing to breast cancer disparities in Chicago. Oana Danciu, University of Illinois Cancer Center, Chicago, IL

Annexin A2 expression level correlates with adverse pathology and disease progression in prostate cancer. Shyh-Han Tan, Center for Prostate Disease Research, Department of Surgery, Uniformed Services University of the Health Sciences and the Walter Reed National Military Medical Center, Bethesda, MD

Lifestyle Associated Advanced glycation end products are elevated in ER+ positive breast cancer patients, alter response to therapy, and can be targeted by lifestyle intervention. David Turner, MUSC, Charleston, SC

Dietary-AGE ingestion during puberty modifies the breast micro-environment to alter mammary gland development: Linking lifestyle with cancer disparity. David Turner, MUSC, Charleston, SC

Lack of HER4 signaling predicts poor prognosis among triple negative breast cancer patients of African descent: A multi-institutional study. Nikita Wright, Georgia State University, Atlanta, Georgia
C027 Racial variation in umbilical cord blood vitamin D concentrations and telomere length: Implications for cancer risk. Tanya Agurs-Collins, National Cancer Institute, Rockville, Maryland

C028 Hypoxia Associated Genes on Disparities in the Aggressiveness of Prostate Cancer. Ingrid Espinoza, University of Mississippi Medical Center, Jackson, MS

C029 Exosomes-associated miR-5001, miR-3692 and miR-4529 are novel biomarkers for aggressive prostate cancer and associated with poor prognosis in African American patients. Rofaida Gaballa, Department of Pharmaceutical Sciences, Rangel College of Pharmacy, Texas A&M Health Sciences Center, College Station, Texas

C030 Gastric tumors from Latino patients show extensive intratumor heterogeneity. Luis Carvajal-Carmonna, University of California, Davis, Davis, California


C032 Distinguishing lethal from indolent prostate cancer using N-glycan imaging mass spectrometry in a racial tissue microarray cohort. Richard Drake, Medical University of South Carolina, Charleston, SC

C033 Racial Differences in the Associations between Luminal Master Regulator Transcription Factor Expression and Breast Cancer Survival. Kevin Gardner, Columbia University, New York, New York

C034 Differential gene expression according to ancestry in Hispanic/Latina women with luminal B breast cancer. Joussette Alvarado, Department of Genetics, LSUHSC, New Orleans, LA

C035 Relationship between ancestry fractions and gene expression in triple negative breast cancer in Hispanic/Latina women. Laura Carrasquilla, Louisiana State University Health Sciences Center, New Orleans

C036 Cohesins and colorectal cancer (CRC): Modulation of CRC stem cells and chemoresistance by STAG1 with race-specific implications. Mart Dela Cruz, Boston University Medical Center, Boston, MA

C037 Racial disparity in systemic Growth Related Oncogene-alpha (GRO-α) expression in head and neck cancer patients. Tara Moore-Medlin, Louisiana State University Feist-Weiller Cancer Center, Shreveport, LA

C038 MHC class I polypeptide related sequence A (MICA) race related differential expression in prostate cancer. Marcelo Sakiyama, University of Mississippi Medical Center, Jackson, MS

C039 Differences in Breast Cancer Survival by Race, Age, and Tumor Estrogen Receptor Status. Ewune Ewane, UT M.D. Anderson Cancer Center, Houston, TX

C040 Predictors of blood biospecimen provision among African American women. Lauren Barber, Boston University School of Public Health, Boston, MA
US latina immigrants: Is obesity the face of food insecurity? Maria Amador, University of Maryland, College Park, Maryland

Cultivating the gut microbiome by eating walnuts to slow cancer cachexia weight loss. Hsiao-Man Chang, Louisiana State University Health and Sciences Center, New Orleans, Louisiana

Meat and fish intake and the risk of breast cancer in the Carolina Breast Cancer Study (CBCS). Omonefe Omofuma, University of South Carolina, Columbia, SC

Dietary inflammatory potential prior to diagnosis and risk of all-cause mortality among African-American women with ovarian carcinoma. Lauren Peres, University of Virginia, Charlottesville, VA

Polymorphism in CYP1B1 increases CRC risk in Puerto Rican individuals that consume processed meats. Julyann Perez-Mayoral, UPR Comprehensive Cancer Center, San Juan, PR

Dietary calcium and vitamin D and sun exposure with the risk of breast cancer among African American women. Bo Qin, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

Diet and risk of cancer in minority populations in New York City. Cristina Zambrano, Hunter College, New York, NY

Engaging in physical activity after a cancer diagnosis: A Detroit ROCS Study. Jennifer Beebe-Dimmer, Wayne State University, Detroit, MI

The association between Breast Cancer and physical activity levels by race in a prospective cohort study. Shelbie Stahr, University of Arkansas for Medical Sciences, Little Rock, Arkansas

Deleterious coding variants in African American Hereditary Prostate Cancer Study (AAHPC) families. Deyana Lewis, National Human Genome Research Institute, Baltimore, MD

A genetic variant at 6q25 associated with estrogen receptor negative breast cancer subtypes in Peruvian breast cancer patients. Katie Marker, University of California Berkeley, Berkeley, CA

Premenopausal oophorectomy and survival among women with breast cancer: Evidence of effect measure modification by family history status. Mya Roberson, University of North Carolina at Chapel Hill, Gillings School of Global Public Health, Department of Epidemiology, Chapel Hill, NC

Identification of factors contributing to breast cancer mortality disparities in the metropolitan Atlanta area. Lindsay Collin, Emory University, Atlanta, GA

Gastric cancer survival among Puerto Rican Hispanics: a ten-year population-based analysis. Maria Gonzalez-Pons, UPR Comprehensive Cancer Center, San Juan, PR

Human papillomavirus vaccination among US military service women. Rayna Matsuno, Naval Health Research Center, San Diego, CA
C056 Cancer patterns and trends in Costa Rica: A population-based tumor registry study. Omar Picado, Sylvester Comprehensive Cancer Center, University of Miami Health System, Miami, FL

C057 Whole exome sequencing of DNA from Palestinian women undergoing surgical evaluation for breast cancer. Victoria Seewaldt, City of Hope, Duarte, California

C058; PR06 Research on prostate cancer in men of African ancestry: Defining the roles of genetics, tumor markers and social stress. Ann Hamilton, University of Southern California, Los Angeles, CA

C059 Clinical and molecular profile of renal cell carcinoma in Hispanic Americans, Native Americans, and European Americans. Ken Batai, University of Arizona, Tucson, Arizona

C060 The Spectrum of Germline Mutation Carriers in a Cohort of Breast and Ovarian Cancer Patients in the Caribbean. Sophia George, University of Miami, Miami, FL

C061 Molecular landscape of Acute Myeloid Leukemia in Mexico. Alexandra Gomez-Arteaga, Weill Cornell Medicine, New York, NY

C062 Racial differences in genome-wide DNA methylation profiles by county poverty levels among women residing in Arkansas. Ping-Ching Hsu, University of Arkansas for Medical Sciences, Little Rock, AR

C063 Associations of leptin and leptin receptor protein and gene expression with breast cancer clinicopathologic features. Adana Llanos, Rutgers School of Public Health and Cancer Institute of New Jersey, Piscataway, NJ

C064 Hormone-related risk factors and breast cancer subtype in African American women. Maureen Sanderson, Meharry Medical College, Nashville, TN


C066 Epigenetics and inflammatory environment may contribute to racial disparities in colorectal cancer. Sharmila Shankar, Louisiana State University Health Sciences Center, New Orleans, LA

C067; PR15 Do segregated neighborhoods buffer the stressful effects of low coping among Black breast cancer survivors? Jesse Plascak, Rutgers, The State University of New Jersey, Piscataway, NJ

C068 Census tract-level income inequality and colorectal cancer survival. Kelsey Chun, Fred Hutchinson Cancer Research Center, Seattle, WA

C069 All-cancer and cancer-specific mortality is associated with black race segregation in the United States: Mortality Disparities in American Communities data. Cara Frankenfeld, George Mason University, Fairfax, VA

C070 Social Determinants of Health Disparities in Triple Negative Breast Cancer in Louisiana. FOKHRUL HOSSAIN, LSUHSC and LCRC, New Orleans, Louisiana
C071 Effect measure modification implication of area of residence in survival disadvantage of black children with renal cell carcinoma. Phatsimo Masire, Thomas Jefferson University, Philadelphia, PA


C073; PR14 Do Latinas with breast cancer who live in ethnic enclaves have better or worse survival? Analysis of cancer registry data from California and Texas. Salma Shariff-Marco, University of California San Francisco, San Francisco, CA

C074 Areca (betel) nut chewing and metabolic conditions. Yvette Paulino, University of Guam, Mangilao, Guam

C075 Indoor radon exposure and thyroid cancer incidence among Guam residents. Candice Arceo, University of Guam, Mangilao, Guam

C076 Racial/ethnic disparities in clinical presentation, surgical procedures and hospital outcomes among patients with hepatocellular carcinoma in the United States, 2010-2014. Muni Rubens, Miami Cancer Institute, Miami, Florida

C077 The association between diabetes, plasma fructosamine, and risk of mortality after invasive breast cancer among Hispanic and non-Hispanic white women. Avonne Connor, Johns Hopkins Bloomberg School of Public Health and Johns Hopkins Sidney Kimmel Comprehensive Cancer Center, Baltimore, Maryland

C078 Relations between sleep and inflammation in African American and White young adults: Testing mediating and moderating mechanisms. Stacey Doan, City of Hope Medical Center and Claremont McKenna College, Claremont, CA

C079 The burden of cancer among homeless adults in the Mountain West: A Utah statewide population-based study. Andreana Holowatyj, Huntsman Cancer Institute, University of Utah, Salt Lake City, Utah

C080 Contributors to breast and lung cancer disparities in Wisconsin: Results from statewide focus groups and interviews. Jessica Olson, Medical College of Wisconsin, Milwaukee, WI

C081 Results from a cross-sector collaboration: Understanding contributors to breast and lung cancer disparities and creating novel approaches to reduce impact. Melinda Stolley, Medical College of Wisconsin, Milwaukee, WI

C082 Prenatal exposure to polycyclic aromatic hydrocarbons and altered DNA methylation in breast cancer related genes. Nur Zeinomar, Columbia University, New York, NY

C083; PR16 Investigating the determinants of racial disparities in ovarian cancer incidence: The OCWAA consortium. Veronica Setiawan, University of Southern California, Los Angeles, CA
C084 Cancer mortality patterns across three generations of Latinos in the US: the Multiethnic Cohort. Veronica Setiawan, University of Southern California, Los Angeles, CA


C086 Racial disparities in clinical characteristics and outcomes of patients with pancreatic neoplasms: An eleven-year analysis of the National Cancer Database (NCDB). Hussein Assi, University of Oklahoma, Oklahoma City, Oklahoma

C087 Differences in Estrogen Receptor Negative Breast Cancer by Race and SEER Registry. Brittny Davis Lynn, National Cancer Institute, Rockville, MD

C088 Assessing vitamin D and mammographic breast density in a population of Alaskan Native women. Narjust Duma, Mayo Clinic, Rochester, MN

C089 Racial/ethnic differences in smoking-related cancers in metropolitan Detroit. Juliana Fucinari, University of Michigan, Ann Arbor, MI

C090 Association between hypertension and prostate cancer risk in black and white men in the Atherosclerosis Risk in Communities (ARIC) study. Christian Gomez, University of Mississippi Medical Center, Jackson, Mississippi

C091 Racial disparities in pancreatic cancer pancreatic cancer patients in Florida and an investigation into a possible role of cancer cachexia. Patrick Underwood, University of Florida, Gainesville, FL

C092 Immune characteristics of triple negative breast cancer (TNBC) in Latin American women from Colombia. Valentina Zavala, University of California, San Francisco, San Francisco, California

C093 An interactive resource to probe ancestry in cancer cell lines. Julie Dutil, Ponce Health Sciences University, Ponce Research Institute, Ponce, PR

C094; PR17 The mediating role of unmet social support needs on the racial/ethnic disparity in psychosocial stress among breast cancer patients. Carola Sánchez Díaz, University of Illinois at Chicago, Chicago, IL

C095 A quality review and content analysis of mobile applications for smoking cessation. Ifeoma Ibe, University of Florida, Gainesville, Florida Of America

C096 Ethnic differences of chronic obstructive pulmonary disease (COPD) in the Multiethnic Cohort study. Sungshim Park, University of Southern California, Los Angeles, CA

C098 Racial disparity in the prevalence of BCL-2 expression and associations with breast cancer survival in the Breast Cancer Care in Chicago study. Jibril Alim, University of Illinois at Chicago, Chicago, IL

C099 Assessment of Black/White Differences in All-Cause Mortality among Patients with Triple-Negative Breast Cancer. Adrienne Cobb, Department of Surgery, Loyola University Medical Center, Maywood, IL
C100 Identification and functional characterization of a novel GLI1 splice variant in breast cancer. Maria Dixon, North Carolina Central University, Durham, NC

C101 A prognostic risk model for African American women with Breast Cancer: Implications for meaningful accrual in clinical trials. Shristi Bhattarai, Georgia state university, Atlanta, Georgia

C102; PR18 Prognostic role of Androgen Receptor in Triple Negative Breast Cancer: A global multi-institutional experience. Shristi Bhattarai, Georgia State University, Atlanta, Georgia

C103 ERRβ: Validating a novel target for triple negative breast cancer. Aileen Fernandez, Georgetown University, Washington, DC

C104 Breast cancer care at rural serving hospitals in Ethiopia: Improving adherence to endocrine therapy with nurse based intervention. Study protocol for facility based cluster randomized controlled trial. Sefonias Getachew, Addis Ababa University, College of Health Sciences, School of Public Health, Addis Ababa, Ethiopia &Institute of Epidemiology, Biometry, and Informatics, Martin- Luther- University, Halle, Germany, Addis Ababa, Ethiopia

C105 Late-stage diagnosis of breast cancer and associated factors at rural hospitals in Ethiopia: A mixed method study. Sefonias Getachew, Addis Ababa University, Addis Ababa, Ethiopia

C106 Racial/Ethnic Disparities in Inflammatory Breast Cancer Survival in the Michigan Cancer Surveillance Program. Abdi Gudina, Kent State University, Kent, Ohio

C108 Race and Risk of Subsequent Aggressive Breast Cancer in Women with Ductal Carcinoma in Situ. Ying Liu, Washington University School of Medicine, St. Louis, MO


C110 Applications of patient-derived triple negative breast cancer xenografts that represent understudied patients in Louisiana in targeted therapeutic research. Margarite Matossian, Tulane University School of Medicine, New Orleans, Louisiana

C111 Biological and self-reported stress levels among Latina breast cancer survivors: The Nuevo Amanecer Rural Trial. Cathy Samayoa, San Francisco State University, San Francisco, California

C113 Antibody microarray analysis of signaling networks regulated by the CCR9/CCL25 axis in African American and Caucasian American triple negative breast cancer. Jeronay K. Thomas, Morehouse School of Medicine, Atlanta, GA

C114 Lymph circulating tumor cells are phenotypically different from tumor cells circulating in the blood. Odalys Torres-Luquis, Purdue University, West Lafayette, Indiana

C118 Tumor immune response in colon cancer African American patients and its role in cancer disparities. Jenny Paredes, SUNY Downstate Medical Center, Brooklyn, NY

C120 High grade endometrial cancers: Persistent racial differences in survival. Michele Cote, Wayne State University, Detroit, MI

C121 Racial/ethnic differences of pediatric brain tumors in the development of orthotopic PDX models. Lin Qi, Ann & Robert H. Lurie Children's Hospital of Chicago of Northwestern University, Chicago, IL

C122 Ethnicity as a moderator of the effects of aerobic and resistance exercise on metabolic syndrome in breast cancer survivors. Christina M. Dieli-Conwright, University of Southern California, Los Angeles, CA

C123 Ethnocentric differences in sarcopenic obesity and body composition in response to an aerobic and resistance exercise intervention for breast cancer survivors. Frank C. Sweeney, University of Southern California, Los Angeles, CA

C124 Breast density and metabolic risk factors: cross-sectional analysis of the baseline data from a Phase II breast cancer prevention trial. Jesse Trujillo, University of Arizona, Tucson, AZ

C125 University of Guam/University of Hawaii Cancer Center partnership: Fifteen years of progress in addressing cancer health disparities in Pacific Islanders. Carl-Wilhelm Vogel, University of Hawaii Cancer Center, Honolulu, Hawaii

C126 Plant isolate dibenzyl trisulfide potently inhibits cytochrome P450 1 enzyme activity and the growth of breast cancer cells derived from African American patients. Eileen Brantley, Loma Linda University Health, Loma Linda, CA

C127 Delays in penile cancer presentation and undertreatment may drive higher penile cancer mortality in Latinos and older men in California. Mariana Carla SternC Institute of Urology, Los Angeles, CA