



**Poster Session C**

**Sunday, November 4**

**12:30-2:30 p.m.**

**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

**C013 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

**C014; PR13 Geospatial Analytics and Sensitivity/Specificity Assessments to Inform Liver Cancer Prevention.** Shannon Lynch, Fox Chase Cancer Center, Philadelphia, PA

**C015 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

**C016 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

**C017 Breast cancer trends and disparities in an urban setting.** Hee-Soon Juon, Thomas Jefferson University, Philadelphia, PA

**C018 Disparity subtyping: Bringing precision medicine closer to disparity science.** J. Sunil Rao, University of Miami, Miami, Florida

**C019 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

**C020 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

**C021 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

**C022 Integrated molecular approach to identify biological factors contributing to breast cancer disparities in Chicago.** Oana Danciu, University of Illinois Cancer Center, Chicago, IL

**C023 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

**C024 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

**C025 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

**C026 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-Carmona, University of California, Davis, Davis, California

**C031 NanoString nCounter based gene expression assay for evaluation of breast cancer molecular subtypes in Ethiopian patients.** Zelalem Desalegn Woldesonbet, Addis Ababa University, Addis Ababa, Ethiopia

**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- $\alpha$ ) 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

**C041 US latina immigrants: Is obesity the face of food insecurity?** Maria Amador, University of Maryland, College Park, Maryland

**C042 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

**C043 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

**C044 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

**C045 Polymorphism in CYP1B1 increases CRC risk in Puerto Rican individuals that consume processed meats.** Julyann Perez-Mayoral, UPR Comprehensive Cancer Center, San Juan, PR

**C046 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

**C047 Diet and risk of cancer in minority populations in New York City.** Cristina Zambrano, Hunter College, New York, NY

**C048; PR04 Engaging in physical activity after a cancer diagnosis: A Detroit ROCS Study.** Jennifer Beebe-Dimmer, Wayne State University, Detroit, MI

**C049 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

**C050 Deleterious coding variants in African American Hereditary Prostate Cancer Study (AAHPC) families.** Deyana Lewis, National Human Genome Research Institute, Baltimore, MD

**C051; PR05 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

**C052 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

**C053 Identification of factors contributing to breast cancer mortality disparities in the metropolitan Atlanta area.** Lindsay Collin, Emory University, Atlanta, GA

**C054 Gastric cancer survival among Puerto Rican Hispanics: a ten-year population-based analysis.** Maria Gonzalez-Pons, UPR Comprehensive Cancer Center, San Juan, PR

**C055 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

**C065 Breast cancer risk in U.S-born Latina women: potential role of reactive electrophiles.** Silvia J. Serrano-Gómez, Instituto Nacional de Cancerología, Bogotá, D.C, Colombia

**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

**C072 STRUCTURAL RACISM AND RACE- AND SUBTYPE-SPECIFIC BREAST CANCER INCIDENCE IN CALIFORNIA, 2006-2015.** Elizabeth Michaels, University of California Berkeley, Berkeley, CA

**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, Manigilao, 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 state-wide population-based study.** Andreea 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

**C085 Racial/Ethnic Disparities in Pancreatic Cancer Incidence Rates and Temporal Trends in California (1988-2015).** 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 ERR $\beta$ : 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

**C109 Modulation of HDAC activity in subtypes of triple negative breast cancer: Effects of vorinostat on HDAC 7 expression and cancer stem cells progression.** Beverly Lyn-Cook, National Center for Toxicological Research, Jefferson, Arkansas

**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

**C116; PR11 Racial differences in characteristics of early- vs late-onset colorectal cancer among Veterans.** Monalesia Chapman, University of North Carolina-Greensboro, Durham VA Healthcare System, Hillsborough, NC



**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