



POSTER SESSION A  
Sunday, January 28  
12:00 – 2:15 p.m.  
Lone Star Salon D

**A01 Sleep duration and circadian components of the sleep/wake cycle and their association with body mass index and eating behaviors in children.** Bernard Fuemmeler, Virginia Commonwealth University, Richmond, VA, United States.

**A02 Estimating the current and future cancer burden attributable to obesity in Canada.** Darren Brenner, University of Calgary, Calgary, AB, Canada.

**A03 Metformin decreases obesity-associated macrophage infiltration and lymphangiogenesis in the tumor microenvironment in a rodent model of breast cancer.** Erin Giles, Texas A&M University, College Station, TX, United States.

**A04 Obesity-activated adipose stromal cells promote breast cancer growth and invasion.** Lisa Arendt, University of Wisconsin-Madison, Madison, WI, United States.

**A05 Impact of demographic and lifestyle factors on breast adipose tissue inflammation.** Kristin Campbell, University of British Columbia, Vancouver, BC, Canada.

**A06 Reversing the procancer effects of obesity in a mouse model of colon cancer: Diet versus drug.** Laura Bowers, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States.

**A07 Supplemental estrogen reverses obesity-induced periprostatic white adipose tissue inflammation in mice.** Priya Bhardwaj, Weill Cornell Medicine, New York, NY, United States.

**A08 Metabolically active macrophages: A novel mechanistic link between obesity and TNBC.** Payal Tiwari, University of Chicago, Chicago, IL, United States.

**A10 RAB7-GTPase: Roles in obesity, inflammation, and tumor cell survival.** Imoh Okon, Georgia State University, Atlanta, GA, United States.

**A11 Weight loss normalizes obesity-associated claudin-low breast cancer progression: Role of mammary fat pad growth factors and immune cell infiltrates.** Liza Makowski, University of Tennessee Health Science Center, Memphis, TN, United States.

**A12 Brown adipose tissue lipidomic profile and antitumor properties against breast cancer cells: The role of caspase 1/11.** Luis Henrique Correa, University of Brasilia, Brasilia, Brazil.

**A13 Obesity and Breast Cancer Metastasis: The Role of Inflammation.** Shannon McDonnell, The University of North Carolina at Chapel Hill, Chapel Hill, NC, United States.

- A14 Retrospective pilot study on the association between body mass index and breast inflammation among Hispanic breast cancer patients.** Heather Greenlee, Fred Hutchinson Cancer Research Center, University of Washington, Seattle, WA, United States.
- A15 High-fat diet feeding reduces tumor growth in immunodeficient mice.** Line Pedersen, University of Bergen, Bergen, Norway.
- A16 The role of CaSR and calcium signaling in obesity-mediated invasive prostate cancer.** Blaine Sherman, Texas State University, San Marcos, TX, United States.
- A17 Adipose tissue endothelial cell-derived microvesicles are a potential link between obesity and cancer.** Anca Dobrian, Eastern Virginia Medical School, Norfolk, VA, United States.
- A18 Genetic variants related to insulin-like growth factor-I and insulin resistance and their interactions with lifestyle factors on breast cancer risk: A two-stage random survival forest analysis.** Su Yon Jung, University of California, Los Angeles, Los Angeles, CA, United States.
- A19 Genetic variants related to insulin-like growth factor-I and insulin metabolism pathways and their interactions with lifestyle factors on colorectal cancer risk: A two-stage random survival forest analysis.** Su Yon Jung, University of California, Los Angeles, Los Angeles, CA, United States.
- A20 The Women in Steady Exercise Research (WISER) Survivor Trial: Comparative effectiveness of exercise, weight loss, or their combination, to reduce metabolic biomarkers of recurrence in breast cancer survivors.** Kathleen Sturgeon, Pennsylvania State University, Hershey, PA, United States.
- A21 A prospective study of obesity, metabolic health, and cancer mortality among blacks and whites.** Tomi Akinyemiju, University of Kentucky, Lexington, KY, United States.
- A22 Examining the effect of metformin on the proliferation rate of breast cancer cells.** Ethan Loftspring, University of Texas, Austin, TX, United States.
- A23 Circumventing insulin feedback increases PI3K inhibitor efficacy.** Benjamin Hopkins, Weill Cornell Medicine, New York, NY, United States.
- A24 Protein intake is associated with increased oxidative stress during chemotherapy regimens in pediatric leukemia and lymphoma patients.** Joya Chandra, The University of Texas MD Anderson Cancer Center, Houston, TX, United States.
- A25 Randomized trial evaluating the role of weight loss in overweight/obese men on active surveillance: Rationale and design of the Prostate Cancer Active Lifestyle Study (PALS).** Jeannette Schenk, Fred Hutchinson Cancer Research Center, Seattle, WA, United States.
- A27 Overweight and obesity alter the survival rate of breast cancer patients depending on the menopausal and hormone receptor status.** Xiaozheng Liu, University of Bergen, Bergen, Norway.
- A28 Redox-active metabolites predict clinically-relevant non-alcoholic fatty liver disease in the Multiethnic Cohort-Adiposity Phenotype Study (MEC-APS).** Bruce Kristal, Brigham and Women's Hospital and Harvard Medical School, Boston, MA, United States.

**A29 Identifying the genetic contributors to liver fat for future studies of cancer risk: The Multiethnic Cohort Adiposity Phenotype Study.** Iona Cheng, University of California, San Francisco, San Francisco, CA, United States.

**A30 Development, delivery and impact of the Transdisciplinary Research in Energetics and Cancer (TREC) Training Course.** Melinda Irwin, Yale School of Public Health, New Haven, CT, United States.

**A31 Differential benefit of taxane-based chemotherapy in breast cancer patients according to baseline body mass index.** Christine Desmedt, Institut Jules Bordet, Universite Libre de Bruxelles, Brussels, Brussels, Belgium.

**A32 Stromal antigen 1 and colorectal cancer: Implications for obesity-driven CRC carcinogenesis.** Mart Angelo Dela Cruz, Boston University Medical Center, Boston, MA, United States.

**A33 Body composition changes after diagnosis and survival of patients with advanced pancreatic cancer.** Ana Babic, Dana-Farber Cancer Institute, Boston, MA, United States.

**A34 Combined impact of health behaviors on incidence of overweight and obesity among U.S. military veterans.** Deborah Bookwalter, Henry M. Jackson Foundation for the Advancement of Military Medicine, Bethesda, MD, United States.



POSTER SESSION B  
Monday, January 29  
5:00 – 7:30 p.m.  
Lone Star Salon D

- B01 Effects of aerobic and resistance exercise on sarcopenic obesity in overweight or obese breast cancer survivors: A randomized controlled trial.** Christina Dieli-Conwright, University of Southern California, Los Angeles, CA, United States.
- B02 Relationship between obesity and breast tumor pathology in a contemporary set of patients.** Leann Lovejoy, Chan Soon-Shiong Institute of Molecular Medicine at Windber, Windber, PA, United States.
- B03 Higher rates of overweight and obesity in pediatric oncology patients persists into survivorship; A retrospective study.** Brianna Murphy, The University of Texas MD Anderson Cancer Center, Houston, TX, United States.
- B04 Application of the WCRF International/University of Bristol methodology for systematically reviewing mechanistic evidence on the subject of obesity and cancer.** Sarah Lewis, University of Bristol, Bristol, United Kingdom.
- B05 Do environmental factors moderate effects of a weight loss intervention for African American breast cancer survivors?** Jamila Kwarteng, Medical College of Wisconsin, Milwaukee, WI, United States.
- B07 Racial/ethnic distribution of liver fat and pancreas fat and their prediction by biomarkers: The Multiethnic Cohort Adiposity Phenotype Study.** Unhee Lim, University of Hawaii Cancer Center, Honolulu, HI, United States.
- B08 The evidence linking obesity and cancer: Summarizing the findings from WCRF/AICR Continuous Update Project Reports.** Nigel Brockton, American Institute for Cancer Research, Arlington, VA, United States.
- B09 Effects of body shape and size on cancer incidence in the Alberta's Tomorrow Project cohort.** Darren Brenner, University of Calgary, Calgary, AB, Canada.
- B10 Obesity-related cancer survivors have higher BMI and lower physical activity levels.** Mary Puckett, Centers for Disease Control and Prevention, Atlanta, GA, United States.
- B11 Weight status and diet-related behaviors and beliefs in parent-adolescent dyads: An analysis of the National Cancer Institute's FLASHE Study.** Linda Nebeling, National Cancer Institute, Rockville, MD, United States.

- B12 Exploring the associations between daily glucose dynamics and cancer risk-related biomarkers in overweight and obese adults.** Yue Liao, University of Texas MD Anderson Cancer Center, Houston, TX, United States.
- B13 Observed cooking behaviors of families with and without childhood cancer survivors and the development of a healthy cooking assessment tool.** Margaret Raber, University of Texas MD Anderson Cancer Institute, Houston, TX, United States.
- B14 Body mass index is inversely associated with adherence to moderate-vigorous physical activity recommendations in ovarian cancer survivors.** Meghan Skiba, University of Arizona, Tucson, AZ, United States.
- B15 Association between HEI-2015 scores and obesity-related cancer incidence among postmenopausal Hispanic women in the Women's Health Initiative.** Melissa Lopez-Pentecost, University of Arizona, Tucson, AZ, United States.
- B16 Body mass index and physical activity in European American, Sea Island African American, and non-Sea Island African American women with breast cancer.** Joan Cunningham, Medical University of South Carolina, Charleston, SC, United States.
- B17 Visceral adipose tissue density and the obesity paradox in clear cell renal cell carcinoma (ccRCC).** Helena Furberg Barnes, Memorial Sloan Kettering Cancer Center, New York, NY, United States.
- B18 Obesity stimulates tumor growth in a novel paired in vitro and in vivo model using patient-derived colorectal cancer xenografts.** Michael Greene, Auburn University, Auburn, AL, United States.
- B19 First-year weight loss with androgen-deprivation therapy increases risks of prostate cancer progression and prostate cancer-specific mortality: Results from Search.** Ilona Csizmadi, Cedars-Sinai Medical Center, Los Angeles, CA, United States.
- B20 Breast epithelium DNA damage is elevated in obese BRCA mutation carriers in association with obesity-induced changes in breast adipose tissue.** Priya Bhardwaj, Weill Cornell Medicine, New York, NY, United States
- B21 Exploring mechanisms of obesity-driven pancreatic cancer progression in mice.** Mandar Muzumdar, Yale University School of Medicine, New Haven, CT, United States.
- B22 Body fat and risk of breast cancer in normal-size postmenopausal women.** Neil Iyengar, Memorial Sloan Kettering Cancer Center, New York, NY, United States.
- B23 Targeting leptin-Notch axis sensitizes pancreatic and triple-negative breast cancers to chemotherapeutics.** Adriana Harbuzariu, Morehouse School of Medicine, Atlanta, GA, United States.
- B24 Abdominal versus gluteofemoral obesity and risk of hepatocellular carcinoma and intrahepatic cholangiocarcinoma: The Liver Cancer Pooling Project.** Jessica Petrick, National Cancer Institute, Bethesda, MD, United States.
- B25 Adult calorie restriction using a high-fat diet reduces weight gain and delays mammary tumor development in a mouse model of postmenopausal breast cancer.** Margot Cleary, Hormel Institute-University of Minnesota, Austin, MN, United States.

**B26 BMI and metabolic syndrome correlate with prostate enlargement in the intermediate- and high-risk prostate cancer patients.** Arash Samiei, Allegheny Health Network, Department of Urology, Pittsburgh, PA, United States.

**B27 Obesity and metabolic syndrome correlate with poor oncologic outcome in prostate cancer patients who underwent radical prostatectomy.** Arash Samiei, Allegheny Health Network, Department of Urology, Pittsburgh, PA, United States.

**B29 Inositol polyphosphate-4-phosphatase type II mediates prostate cancer latency.** Manqi Zhang, Florida International University, Miami, FL, United States.

**B30 Adipokines, visfatin and resistin, promote an invasive liver cancer phenotype.** Candace Mieth, Texas State University, San Marcos, TX, United States.

**B31 Excess dietary fat induces inflammatory cytokines, alters microbiome profiles, and reduces cancer latency in a model of reflux-induced esophageal adenocarcinoma.** Laura Kresty, University of Michigan, Ann Arbor, MI, United States.

**B32 Shifts in gut microbiome populations induced by diet modulate obesity-mediated breast cancer risk.** Katherine Cook, Wake Forest University Health Science, Winston Salem, NC, United States.

**B33 The function of the NLRP3 inflammasome and caspase-1/11 in diet-induced obesity, lipid inflammatory metabolism, and gut microbiota.** Livia Dourado, University of Brasilia, Brasilia, DF, Brazil.

**B34 Nonalcoholic fatty liver disease (NAFLD), an important risk factor for liver cancer, and links to the microbiome in the Multiethnic Cohort Adiposity Phenotype Study (MEC-APS).** Meredith Hullar, Fred Hutchinson Cancer Research Center, Seattle, WA, United States.