



## **Poster Session**

Thursday, Feb. 21, 2019

11:30 p.m.-1:30 p.m.

**A01 Opportunities for and benefits of incorporating data visualization in population sciences.** Nadia T Chung, City of Hope, Duarte, CA.

**A02 Modification of the association between daily aspirin use and ovarian cancer risk by potentially modifiable risk factors.** Lauren M Hurwitz, National Cancer Institute, Rockville, MD.

**A03 Applying Machine Learning Approaches to Social Environmental Data from the U.S. Census in Cancer Studies: Challenges and Considerations.** Shannon M Lynch, Fox Chase Cancer Center, Philadelphia, PA.

**A04 NCI programs supporting technology development for population studies in digital age.** Leah E Mechanic, National Cancer Institute, Bethesda, MD.

**A05 Fusobacterium nucleatum and clinicopathologic features of colorectal carcinoma: results from the ColoCare Cohort.** Jennifer Ose, Huntsman Cancer Institute, Salt Lake City, UT.

**A06 Associations of pre-diagnostic metabolomic profiles with colorectal cancer risk – A collaborative re-analysis within the CONsortium of METabolomic Studies (COMETS).** Jennifer Ose, Huntsman Cancer Institute, Salt Lake City, UT.

**A07 Connecting remote patient monitoring, DNA-based immunophenotyping, and clinical outcomes data.** Curtis L Petersen, Dartmouth Geisel School of Medicine, Lebanon, NH.

**A08 Geocoding and integrating multiple environmental exposomics sources: Assessing population hazard to lung carcinogens in 421 zip-codes of a cancer center catchment area.** Thomas P McKeon, University of Pennsylvania, Philadelphia, PA.

**A09 Predicting recurrence or second breast cancer using linked claims and cancer registry data with limited gold-standard information: A gradient-boosting approach.** Teresa A'mar, Fred Hutchinson Cancer Research Center, Seattle, WA.

**A10 Using large linked databases to understand cancer care access in northwestern Ontario, Canada.** Michael Conlon, Health Sciences North Research Institute, Sudbury, Ontario, Canada.

**A11 How to adjust comorbidity in mortality outcome in Korean cancer patients using claim-based healthcare big data.** Sanghee Lee, National Cancer Center, Ilsan, Republic of Korea.

**A12 Evaluating physician network-based measures of care coordination through the lens of the patient experience.** Erika L Moen, Dartmouth Geisel School of Medicine, Lebanon, NH.

**A13 Linking cancer and vaccine registries in a retrospective cohort study: Risk of metastasis following perioperative vaccine use among cancer patients.** Christiaan H Righolt, University of Manitoba, Winnipeg, Manitoba, Canada.

**A15 Utilizing electronic fertility clinic records and registry linkage to establish a retrospective population-based cohort study to evaluate the association between in vitro fertilization (IVF) and subsequent cancer risk in women.** Britton Trabert, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Bethesda, MD.

**A16 Use of a smartphone application for weight loss versus a paper-based dietary diary: a randomized trial.** Jung Eun Lee, Seoul National University, Seoul, Republic of Korea.

**A17 An innovative physical activity intervention in overweight and obese adults using continuous glucose monitor.** Yue Liao, MD Anderson Cancer Center, Houston, TX.

**A18 Feasibility and Acceptability of the Survivor Choices for Eating and Drinking (SUCCEED) Digital Health Dietary Intervention after Colorectal Cancer (CRC): A Randomized Pilot Trial.** Erin L Van Blarigan, University of California, San Francisco, San Francisco, CA.

**A19 Aspirin use and ovarian cancer risk by lymphocyte infiltration.** Mollie E. Barnard, Huntsman Cancer Institute, Salt Lake City, UT.

**A20 AHRR hypomethylation in heavy smokers: Associations with lung cancer risk and mortality.** Laurie Grieshober, Huntsman Cancer Institute, University of Utah, Salt Lake City, UT.

**A21 Effect of forced-response on completion rate in objective internet-based health survey.** Lenna Dawkins-Moultin, City of Hope, Duarte, CA.

**A22 Challenges using mobile technology for research participation in preventive health research: A preliminary investigation with spanish-speaking latinas.** Alejandro Fernandez, City of Hope, Duarte, CA.

**A23 Using internet-platform technology to train community-based researchers in developing countries: Lessons Learned from a Caribbean Study.** Kamilah B Thomas-Purcell, Nova Southeastern University, Ft. Lauderdale, FL.

**A24 Establishing feasibility of a new cohort: the 10,000 Families Study.** DeAnn Lazovich, University of Minnesota, Minneapolis, MN.

**A25 Collecting gut microbiome in the 10,000 Families Study.** Jen Poynter, University of Minnesota, MN.

**A26 Pilot Trial to Examine the Effect of Ginger on the Gut Microbiome: The Minnesota**

**Cancer Clinical Trials Network.** Anna Prizment, University of Minnesota, MN.

**A27 Linking electronic health records with cancer registry data for epidemiology and health services research: challenges and opportunities.** Caroline A Thompson, San Diego State University, San Diego, CA.

**A28 Field Application of Digital Technologies for Health Assessment in the 10,000 Families Study.** Bharat Thyagarajan, University of Minnesota, Minneapolis, MN.

**A29 A tale of two diverse Qualtrics samples: Information for online survey researchers.** Heather Saunders, Virginia Commonwealth University, Richmond, VA.

**A30 Comparing mail-based and internet population health assessment data: Survey implementation protocol.** Carrie A Miller, Virginia Commonwealth University, Richmond, VA.

**A31 Online panel sample recruitment and characteristics: An analysis of those who initiate versus complete an internet survey.** Carrie A Miller, Virginia Commonwealth University, Richmond, VA.

**A32 Process improvement in online consenting for the Moffitt Cancer Center Total Cancer Care biobanking protocol.** Erin M Siegel, Moffitt Cancer Center, Tampa, FL.

**A33 Device-based, objective measurement of physical activity and sedentary behavior in a large U.S. cohort.** Alpa V Patel, American Cancer Society, Atlanta, GA.

**A34 Differences between self-reported and electronically monitored adherence among Korean breast cancer patients receiving endocrine therapy.** Yul Ha Min, Gachon University, Incheon, South Korea.

**A35 Feasibility of assessing individual's diet using a web-based dietary assessment tool, ASA24, in a longitudinal observational study.** Yikyung Park, Division of Public Health Sciences, Washington University School of Medicine, St. Louis, MO.

**A36 Examining the #HPV vaccine on Instagram: An analysis of post context, imagery, and sentiment.** Preethi Selvan, Jefferson University, Philadelphia, PA.

**A37 Using web-based tools to assess familial cancer risk in diverse populations.** Heather Spencer Feigelson, Kaiser Permanente Institute for Health Research, Denver, CO.

**A38 Supporting post-mastectomy breast reconstruction choices through personalized risk prediction and a decision support tool.** Mary C Politi, Washington University in St Louis, School of Medicine, St Louis, MO.

**A40 Characterization of Quantitative Gene-Expression Dimensions in Myeloma Tumors.** Nicola J Camp, University of Utah Health Sciences Center, Salt Lake City, UT