Poster Session
Sunday, June 23, 2019
5:45-7:45 p.m.

A01 Environmentally prevalent polycyclic aromatic hydrocarbons elicit co-carcinogenic properties in human and mouse lung cells. Alison K. Bauer. University of Colorado Anschutz Medical Campus, Aurora, CO.

A02 A case for re-examination of the contribution of nitro-PAHs to combustion-product carcinogenesis. Gary Blackburn. PetroLabs Inc., Warminster, PA.

A03 Pre-conception paternal DDT exposure and programming of metabolic dysfunction and breast cancer in offspring. Sonia de Assis. Georgetown University Medical Center, Lombardi Comprehensive Cancer Center, Washington, DC.

A04 Geographic and socioeconomic disparities in exposure to carcinogenic air toxics in St. Louis, Missouri. Christine Ekenga. Washington University in St. Louis, St. Louis, MO.

A05 Cumulative risk, key characteristics of carcinogens, and hallmarks of cancer analysis for carcinogenic drinking water contaminants. Sydney S Evans. Environmental Working Group, Washington, DC.

A06 Impact of cigarette smoke exposure on acute myeloid leukemia progression. Mary Figueroa. University of Texas MD Anderson Cancer Center, Houston, TX.

A07 North Carolina environmental quality is associated with distant/metastatic breast cancer: evidence for rural-urban disparities. Larisa M Gearhart-Serna. Duke University, Durham, NC.

A08 Cadmium elicits a differential cytotoxic response in triple negative breast cancer cells. Sherette Godfrey. North Carolina A&T State University, Greensboro, NC.


A10 Gallbladder cancer disparities in New Mexico: Examining the role of environmental heavy metal exposures as a driver of gallbladder epithelial signaling dysfunction. Rama R Gullapalli. University of New Mexico Health Sciences Center, Albuquerque, NM.


A12 Promotion of pancreatic cancer by perfluorooctanoic acid (PFOA). Barbara A Hocevar. Indiana University, Bloomington, IN.

A14 Infancy and childhood infections and pubertal timing in the LEGACY Girls’ Study. Yun Huang. Columbia University Medical Center, New York, NY.


A16 Environmental exposure to persistent organic pollutants (POPs) and primary colorectal cancer risk: A case-cohort study in a community-based perspective cohort. Jinsun Kim. National Cancer Center, Goyang-si, Republic of Korea.

A17 In utero DDT exposure and breast density in early menopause by maternal history of breast cancer. Jasmine A McDonald. Mailman School of Public Health and Herbert Irving Comprehensive Cancer Center, Columbia University Irving Medical Center, New York, NY.

A19 Interactions between tobacco smoke chemicals in rodent tumor models. Lisa A. Peterson. University of Minnesota, Minneapolis, MN.

A20 Dietary ingestion of aristolochic acid: Mechanisms of exposure. Thomas Rosenquist. Department of Pharmacological Sciences, School of Medicine, Stony Brook University, Stony Brook, NY.


A23 The ratio between arsenic and cadmium concentrations in urine is associated with breast cancer in a pilot study of women living in rural communities. L. Joseph Su. University of Arkansas for Medical Sciences, Little Rock, AR.

A24 Exploration of esophageal cancer etiology using comprehensive DNA adduct analysis (DNA adductome analysis). Yukari Totsuka. National Cancer Center Research Institute, Tokyo, Japan.


A26 Mechanism of hexavalent chromium carcinogenesis--The role of epigenetic deregulation-caused oncogene activation. Chengfeng Yang. University of Kentucky, Lexnington, KY.

A27 Bisphenol S induces proestrogenic effect in vitro and modifies mammary development dynamics after in utero exposure. Xiaohe Yang. Biomedical/Biotechnology Research Institute, North Carolina Central University, Kannapolis, NC.
A28 Genomic UV-hypersensitive sites as sentinels for personal UV exposure. Douglas E. Brash. Yale School of Medicine, New Haven, CT.

A29 Silicone-based wristband passive samplers in the detection of firefighter occupational carcinogenic exposures. Alberto J Caban-Martinez. University of Miami, Miller School of Medicine, Miami, FL.


A31 Latent class analysis of multi-pollutant exposure. Terry Hyslop. Duke University, Durham, NC.

A32 Non-invasive epidermal sampling as a means of genomic UV dosimetry. Kenneth Y Tsai. Moffitt Cancer Center, Tampa, FL.

A33 Untapped biospecimens and novel mass spectrometry scanning techniques for DNA adductomics. Robert J. Turesky. University of Minnesota, Minneapolis, MN.

A34 Cancer prevention in practice at FDA. Rosalie K Elepuru. US Food and Drug Administration, Silver Spring, MD.

A35 Fine particulate matter and mortality among pediatric, adolescent, and young adults with cancer. Judy Y Ou. Huntsman Cancer Institute, University of Utah School of Medicine, Salt Lake City, UT.

A36 Assessment of knowledge, attitude, and practice and associated factors towards palliative care among health care providers to the pediatric oncology patients in southern Philippines. Jayson Cagadas Pasaol. National Cancer Center Graduate School of Cancer Science and Policy, Goyang City, Gyeonggi-do, South Korea.

A37 An integrative mouse model of gastric premalignancy that combines early genomic alterations with disease-relevant carcinogenic exposure. Nilay Sethi. Dana-Farber-Cancer Institute, Boston, MA.


A39 6-gingerol, a chemo-preventive phytochemical as speed breaker in inflammatory and stress signaling cascade triggered by benzo a pyrene and dextran sulphate sodium- mediated colorectal cancer in mice. Ebenezer O Farombi. University of Ibadan, Ibadan, Nigeria.

A40 Induction of oxidative/nitrosative stress, pro-inflammatory cytokines and dysregulation of wnt/beta-catenin signaling by benzo (a) pyrene in colons of balb/c mice. Ebenezer O Farombi. University of Ibadan, Ibadan, Nigeria.

A42 The search for new targets for mitigation of metal toxicity based on molecular pathways of action: A case study using cadmium and iron. Anuradha Mudipalli. USEPA, RTP, NC.

A43 Dietary advanced glycation end products (AGEs) and breast cancer in the prostate, lung, colorectal and ovarian cancer screening trial (PLCO). Omonfe O Omofuma. University of South Carolina, Columbia, SC, USA.


A45 Diet-induced obesity and caloric restriction weight loss in Diversity Outbred (DO) mice: An experimental preclinical translational model for the investigation of pathways for prevention of obesity and cancer. Melissa VerHague. UNC NRI, Kannapolis, NC.

A46 Dietary weight loss and sulindac treatment each reverse obesity-associated inflammation and tumorigenesis in a mouse model of carcinogen-induced colon cancer. Stephen D Hursting. University of North Carolina, Chapel Hill, NC.

A47 PFOA and zeranol exposure during puberty affect the transcriptomic profile of the rat mammary gland. Nhi M Dang. Fox Chase Cancer Center-Temple Health, Philadelphia, PA.

A48 Perinatal DDT exposure shortens latency of mouse mammary tumorigenesis. Michele La Merrill. University of California, Davis, CA.

A49 Induction of the lymphomagenic enzyme activation induced cytidine deaminase (AID) upon in vitro exposure to phenylurea herbicides. Rebecca J Leeman-Neill. Columbia University Medical Center, New York, NY.

A50 Glyphosate as a potential carcinogen for multiple myeloma. Yong Li. Cleveland Clinic, Cleveland, OH.

A51 Mechanistic pathways for breast carcinogens can highlight early effects as predictive endpoints for chemical safety testing: Case studies for ionizing radiation and for in utero exposure to estrogens such as DES. Ruthann A Rudel. Silent Spring Institute, Newton, MA.

A52 Targeted expression profiling identifies mechanisms of potential breast carcinogens. Ruthann A Rudel. Silent Spring Institute, Newton, MA.

A54 Case-based causality: An application of artificial intelligence to environmental carcinogenesis. Douglas L Weed. DLW Consulting Services LLC, Salt Lake City, UT.