Poster Session B  
Sunday, February 23, 2020  
5:45-7:45 p.m.

B01 Candida albicans infection mediates gastrointestinal track malignancy independently of Il17a in an APECED mouse model. Feng Zhu. Laboratory of Cancer Immunometabolism, Center for Cancer Research, National Cancer Institute, NIH, Frederick, MD.

B02 E-cigarette vape and cigarette smoke potentially increase S. aureus oral colonization and inflammatory epithelial signaling. Alma Catala-Valentin. University of Central Florida, Orlando, FL.

B03 E-cigarette vapor exposure skews competition between colonizing oral Streptococci to allow biofilm formation of S. mutans and activation of stress and survival pathways in the oral cavity. Matthew Caldwell. Burnett School of Biomedical Sciences, College of Medicine, University of Central Florida, Orlando, FL.

B04 Gender-based Impact of Chemo-Radiotherapy in the Gut Microbial Diversity and Short-Chain Fatty Acid Levels of Adults with Rectal Cancers. Carlos Sola-Morla. University of Puerto Rico - Comprehensive Cancer Center, San Juan, PR.


B06 Investigating the microbial etiology of Tanzanian esophageal squamous cell carcinoma. Jason Nomburg. Dana-Farber Cancer Institute, Boston, MA.

B07 Oral, intestinal, and pancreatic microbiomes are correlated and exhibit co-abundance in patients with pancreatic cancer and other gastrointestinal diseases. Naisi Zhao. Department of Public Health and Community Medicine, School of Medicine, Tufts University, Boston, MA.

B09 Unravelling the gastric microbiome in health and disease: Gastric cancer beyond Helicobacter pylori in a Brazilian cohort. Thais Bartelli. AC Camargo Cancer Center, Sao Paulo, Sao Paulo, Brazil.

B10 Anti bacterial defence and metastatic progression - lessons from head and neck cancer. Maria Kondratyev. University Health Network, Toronto, ON, Canada.

B11 Comparisons of microbial composition identified via 16s rRNA sequencing and whole genome sequence based analysis using gut samples for patients with cervical cancer. Greyson Biegert. MD Anderson Cancer Center, Houston, TX.

B12 Cross-sectional analysis of grain, gluten, and fiber intakes and gut microbiota in the Food and Microbiome Longitudinal Investigation (FAMiLI) Study. Caroline Um. American Cancer Society, Atlanta, GA.
B13 **Development of a low cost method for collecting fecal samples in clinical trials.** Kimberly Peloza. Johns Hopkins University School of Medicine, Baltimore, MD.

B14 **Flow cytometry for targeted culturomics of gut commensal species and rapid overview of microbiota composition.** Vincent Thomas. BIOASTER, Paris, France.

B15 **Gut microbiome populations modulate neoadjuvant chemotherapy responsiveness in preclinical triple negative breast cancer murine model.** Alaa Bawaneh. Integrative Physiology and Pharmacology Program, Department of Surgery, Wake Forest University School of Medicine, Winston-Salem, NC.

B16 **High-resolution metagenomic profiling revealed gut microbiome features for the response to cancer immunotherapy reproducible among multiple cohorts of patients.** Chan Yeong Kim. Yonsei University, Seoul, Republic of Korea.

B17 **IKKα/STAT3 Antagonistic Signaling Regulates Fungi-Bacteria Endosymbiosis-Associated Carcinogenesis.** Xin Li. National institutes of Health, Frederick, MD.

B18 **Microbiome regulates the capacity for immune surveillance of soft tissue sarcoma and response to oncolytic virus immunotherapy.** Saif Sikdar. University of Calgary, Calgary, AB, Canada.

B19 **Novel microbiome-derived peptides modulate immune cell activity and the tumor microenvironment.** Dhwani Haria. Second Genome, South San Francisco, CA.

B20 **Novel phages targeting the intratumor associated bacteria Fusobacterium nucleatum.** Lior Zelcbuch. BiomX, Ness Ziona, Israel.

B21 **The gastrointestinal microbiota controls cancer cell intrinsic mechanisms to promote the progression of acute lymphoblastic leukemia.** Wadie Mahauad-Fernandez. Stanford University, Stanford, CA.

B22 **The human skin bacteria Staphylococcus epidermidis ameliorates UVB-induced free radicals through reduction of labile iron.** Arun Balasubramaniam. National Central University, Zhongli, Taoyuan, Taiwan.

B23 **The mammary tissue microbiome in breast cancer development.** Jaelyn Gabel. Pepperdine University, Malibu, CA.

B24 **The microbiome in lung cancer under immunotherapy: Significant compositional differences associated with treatment response and AEs.** Justin Chau. University of Iowa Holden Comprehensive Cancer Center, Iowa City, IA.

B25 **Colorectal cancer-associated anaerobic bacteria proliferate in tumor spheroids and alter the microenvironment.** Stephen Kasper. Exploratory Science Center, Merck & Co., Inc., Cambridge, MA.
Comparative Analysis of Breast Tumor Microbiome in Black non-Hispanic (BNH) and White-non-Hispanic (WNH) women. Srikantha Thyagarajan. University of North Texas Health Science Center, Fort Worth, TX.

Elucidating role of bacteria during pancreatic ductal adenocarcinoma (PDAC). Vidhi Chandra. UT MD Anderson Cancer Center, Houston, TX.

Entero-mammary microbiota signaling axis regulates dietary influences on breast cancer risk. Katherine Cook. Wake Forest University School of Medicine, Winston-Salem, NC.

Impact of obesity on the uterine microbiome in pre- and post-menopausal mice with endometrial cancer. Gabrielle Hawkins. University of North Carolina at Chapel Hill, Chapel Hill, NC.

Intra-tumoral microbes correlate with tumor-infiltrating lymphocytes in lung cancer RNAseq. Daniel Spakowicz. The Ohio State University Comprehensive Cancer Center, Columbus, OH.


Racial differences in tumor associated microbes in early colorectal carcinogenesis. Kristin Wallace. MUSC, Charleston, SC.

The ALPK1/TIFA/NF-kB axis links a bacterial carcinogen to replication stress and DNA damage. Michael Bauer. Institute of Molecular Cancer Research, University of Zurich, Zurich, Switzerland.

The effect of patient demographics and polyp histological characteristics on immune gene expression in microenvironment is mediated by infiltrating microbiome. Alexander Alekseyenko. Medical University of South Carolina, Charleston, SC.

Analysis of the differential expression of Human Endogenous retrovirus in Glioblastoma Multiforme. Zihao Yuan. University of Texas Health Science Center at Houston, Houston, TX.

Virome assembly and annotation in brain tissue based on next-generation sequencing. Zihao Yuan. University of Texas Health Science Center at Houston, Houston, TX.