Short Talks Selected from Proffered Abstracts

Inflammation and Aging

PR001  Dissecting the role of aging and inflammation on clonal hematopoiesis. Marco De Dominici. University of Colorado, Anschutz Medical Campus, Aurora, CO, United States.

PR002  Cytokines surge in the blood years prior to a cancer diagnosis in elderly individuals. Guangbo Chen. Institute for Immunology, Transplantation and Infection, Stanford University, Stanford, CA, United States.

Somatic Mutations and the Aging Process

PR003  Apoptotic DNase DFFB mediates stress-induced mutagenesis. Matthew Hangauer. UC San Diego, La Jolla, CA, United States.

Aging Process

PR004  Older adult-specific microbes correlate with treatment response and markers of T-cell senescence in NSCLC. Daniel Spakowicz. The Ohio State University, Columbus, OH, United States.

Somatic Mutations and the Aging Process


Aging in the Tumor Microenvironment

PR006  Integrating noise into a signal: Luminal epithelial cells integrate variable responses to aging into stereotypical changes that underly breast cancer susceptibility. Mark LaBarge. Beckman Research Institute at City of Hope, Duarte, CA, United States.

PR007  Physical and metabolic aspects of therapy induced senescence and polyploidy in an evolving tumor microenvironment. Michelle Dawson. Brown University, Providence, RI, United States.

Epigenetics and Aging

PR009  Revisiting the bad luck hypothesis: Cancer risk and aging are linked to replication-driven changes to the epigenome. Morgan Levine. 1Department of Pathology, Yale School of Medicine, New Haven, Connecticut, USA. 2San Diego Institute of Science, Altos Labs, San Diego, CA, United States.

PR010  Aging-induced reprogramming of the cell of origin defines lung cancer evolution. Xueqian Zhuang. Memorial Sloan Kettering Cancer Center, New York, NY, United States.

Senescence and Aging

PR011  TXNRD1 drives innate immune response in senescent cells to promote tumor immune surveillance and age-associated inflammation. Xue Hao. The Wistar Institute, Philadelphia, PA, United States.


Cancer, Aging, and Metabolism

PR013  BH3 profiling of senescent cancer cells to identify mechanisms of resistance to ABT-263. Fleur Jochems. The Netherlands Cancer Institute, Amsterdam, Netherlands.

PR014  Sugar Intake and Premature Aging in Adult of Childhood Cancer in the St. Jude Lifetime (SJLIFE) Cohort. Tuo Lan. Washington University School of Medicine, St. Louis, MO, United States.