**SUNDAY, MARCH 27**
Arrival and Registration

**MONDAY, MARCH 28**
Keynote Address
Judith Campisi, Buck Institute for Research on Aging, USA
Cellular Senescence: How a “Culture Artifact” Gained Respectability as a Driver of Cancer and Aging

Aging in the Tumor Microenvironment
Sheila A. Stewart, Washington University School of Medicine, USA
Age-Related Stromal Changes Drive Metastatic Breast Cancer Progression
Marco Demaria, European Research Institute for the Biology of Aging, Netherlands
Role of Cellular Senescence in Tumor Progression and Therapy-Induced Side Effects
Ashani T. Weeraratna, Johns Hopkins University, USA
Age and Tumor Initiation, Understanding the Drivers
Derek A. Wainwright, Northwestern University Feinberg School of Medicine, USA
Aging-Dependent Changes in the Brain Stroma Drive Incurable Glioblastoma

Short Talk(s) Chosen from Abstracts
The Aging Immune Response, Cancer Sneaks In
Arne N. Akbar, University College London, UK
Senescent Non Lymphoid Cells Inhibit Immunity in the Skin
Andrea Ablasser, Ecole Polytechnique Fédérale de Lausanne, Switzerland
The Role of cGAS/STING and the Immune Response in Senescence

**TUESDAY, MARCH 29**
Stem Cells, Reprogramming and Cancer, How Is It All Related
Manuel Serrano, Institute for Research in Biomedicine, Spain
Cell States that Drive Reprogramming
Amy J. Wagers, Harvard University, USA
Programming and Reprogramming Stem Cells for Regenerative Medicine
Anne Brunet, Stanford University, USA
Epigenetic and Metabolism Crosstalk, Implications in Aging and Cancer

Short Talk(s) Chosen from Abstracts
Inflammaging, What Does it Mean?
Jennifer Eisisseff, Johns Hopkins University, USA
Impact of Senescence on the Immune System in Wound Healing, Cancer and Immunotherapy
Ana O’Loghlen, Queen Mary University of London, UK
Exosomes and Cytokines in Senescent Cells, how do they Communicate?

**WEDNESDAY, MARCH 30**
Paracrine Signaling: What Drives Tumor Progression
Naoko Ohtani, Osaka City University Graduate School of Medicine, Japan
The Molecular Mechanism of Senescence-Associated Secretory Phenotype in Liver Cancer Progression
Tamara Tchkonia, Mayo Clinic, USA
Obesity and Aging and Cancer
David J. Glass, Regeneron Pharmaceuticals, Inc., USA
Age-Related Gene and Signaling Perturbations that Increase the Probability of Oncogenesis

Short Talk(s) Chosen from Abstracts
Targeting the Systemic Environment
Sandra S. McAllister, Brigham & Women's Hospital/Harvard Medical School, USA
Impact of Immunological Age on Breast Cancer Progression and Response to Therapy
Ana Maria Cuervo, Albert Einstein College of Medicine, USA
Selective Autophagy, Eating Your Way to Cancer
Pura Muñoz Cánoves, Spanish National Center on Cardiovascular Research, Spain
Muscle Wasting in Aging
Scott W. Lowe, Memorial Sloan Kettering Cancer Center, USA
CarT Cells: Sniffing Out the Elusive Senescent Cell

**THURSDAY, MARCH 31**
Departure

* Session Chair † Invited but not yet accepted  
Program current as of December 22, 2021. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.