
8:30 am Breakfast

9:00 am Welcome Address – Danica Chen

9:10 am Brain Aging – Chair: Pankaj Kapahi

Vlad Senatorov (Kaufer Lab/Berkeley): Targeting vascular dysfunction to treat age-related neurological decline

Karen Krukowski (Rosi Lab/UCSF): Reversing memory failure caused by aging and traumatic brain injury

Kaitlin Casaletto (Kramer Lab/UCSF): Modifiable factors to promote healthy brain aging

Elie Maksoud (Haghighi Lab/Buck): Neuro-glial signaling underlies age-dependent LRRK2-induced neurodegeneration

John Pluvinage (Wyss-Coray Lab/Stanford): Mechanisms of age-related microglial Impairment

Shizuka Yamada (Gitler Lab/Stanford): RAN translation of nucleotide repeat expansions in age-related neurodegenerative diseases

10:40 am Coffee Break

10:55 am Keynote Lectures – Chair: Anne Brunet

Cole Haynes (Associate Professor, UMass Medical School; Faculty Scholar, Howard Hughes Medical Institute): A mitochondrial stress response, aging and toxic genome accumulation

Vera Gorbunova (Doris Johns Cherry Professor of Biology, U Rochester; Co-director, Rochester Aging Research Center): Longevity mechanisms in long-lived mammals

11:55 am Lunch

12:40 pm Panel Discussion – Chair: Danica Chen**Aging Research: What Do We Do and Where Are We Going?**

Anne Brunet, PhD, Michele and Timothy Barak Professor of Genetics, Stanford; Associate Director, The Glenn Center for the Biology of Aging at Stanford

Judy Campisi, PhD, Professor of biogerontology, Buck Institute for Aging Research

Laura Deming, Partner and Founder, Longevity Fund

Regis Kelly, PhD, Byers Family Distinguished Professor, UCSF; Director, California Institute for Quantitative Biology

Ron Kohanski, PhD, Deputy Director, Division of Aging Biology, National Institute on Aging

Thomas Rando, MD, PhD, Professor of Neurology and Neurological Sciences, Stanford; Director, The Glenn Center for the Biology of Aging at Stanford; Deputy Director, Stanford Center on Longevity

Bryan Ray, PhD, Senior Editor, Science

Eric Verdin, MD, President and CEO of Buck Institute for Aging Research

2:10 pm Coffee Break

2:25 pm Metabolism and Aging – Chair: Hao Li

Chun-Yan Lim (Zoncu Lab/Berkeley): Mechanisms for cholesterol sensing by the master regulator mTORC1 kinase

Carolina Alquezar Burillo (Kao Lab/UCSF): Association between TSC1 loss-of-function mutations, excessive mTOR signaling and age-related tauopathies

Keren Hilgendorf (Jackson Lab/Stanford): Reformulating adipogenesis: trafficking of the ω -3 fatty acid receptor into primary cilia

Mark Watson (Kapahi & Brand Labs/Buck): Mitochondria Complex III derived superoxide propagates intestinal permeability in an age and diet dependent manner.

Anthony Covarrubias (Verdin Lab/Buck): Senescent cells drive enhanced NAD consumption via activation of CD38+ macrophages during aging

Param Singh (Brunet Lab/Stanford): Genomic basis for the evolution of lifespan differences in vertebrates

4:00 pm Poster Session/Reception
