



24th Bay Area Aging Meeting
Tuesday, May 14th, 2024
Room 245, Li Ka-Shing Center
University of California, Berkeley

8:30 am Registration/Breakfast

9:00 am Welcome Address – Danica Chen

9:15 am Mechanics of Aging – Chair: Pankaj Kapahi

Serafina Mei (Conboy lab): Quantification (not prediction) of biological age, which keeps intact the natural nonlinearity of the aging process

Francesco Neri (Campisi/Schilling labs): A Fully-Automated Senescence Test (FAST) for the high-throughput quantification of senescence-associated markers

Jie Hong (Li lab): A High-throughput Screening Platform for Longevity Gene and Anti-aging Drug Discovery

Xiaoxin Chen (Huang lab): Cardiomyocyte Regenerative Potential in Mammals of Extreme Longevity

Hanna Martens (Martens lab): The Mechanisms and Mechanics of Aging

10:35 am Coffee Break

10:50 am Judy Campisi Keynote Lectures – Chair: Danica Chen

Vera Gorbunova: Mechanisms of longevity: from whales to bats

Dena Dubal: Longevity and Brain Resilience

12:00 am Lunch (set up posters)

1:00 pm Brain Aging – Chair: Hao Li

Carlos Galicia Aquirre (Ellerby Lab): snRNAseq analysis of hippocampus with senescent cell removal

Heeun Jang (Garrison Lab): Neural circuit defects underlying dehydration risk in aged mice

Luke Fischer (Grinberg lab): Tackling Selective Neuronal Vulnerability: Subnuclei Involvement of Amygdala-Predominant Lewy Body Disease in Early-onset Alzheimer's Disease

Gregory Mohl (Kampmann lab): Pathogenic Tau Perturbs Axon Morphology

Andrew Ambrose (Arkin lab): Validating Caspase-6 as a Target for Tauopathy Intervention

2:20 pm Coffee Break

2:35 pm Metabolism and Aging – Chair: Jonathan Long

Kwamina Nayme (Monther Abu-Remaileh lab): From Enzyme Discovery to Therapeutic Insights: Exploring bis(monoacylglycero)phosphate (BMP) Regulation and its Significance in Age-Related Disease

Shaneice Mitchell (Jaiswal lab): The role of inflammation in tractable human-derived models of clonal hematopoiesis

Madison Lehmer (Zoncu Lab): Lysosomal Effects on Mitochondrial Health in Degenerative Diseases

Wei Wei (Long lab): A novel taurine metabolism pathway in physiology and aging

Jason Miklas (Brunet lab): Identifying the intestine secretome and its role in lifespan.

4:00 pm Poster Session/Reception

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