Bay Area Aging Meeting

Friday, November 3rd, 2017

Mackenzie Boardroom, Huang Engineering Center

Stanford University

8:15 am Breakfast — Mackenzie Foyer

8:50 am Welcome Address — Mackenzie Room

9:00 am Metabolism and Aging - Anne Brunet — Mackenzie Room

Dan Benjamin - Rando Lab/Stanford - *A multiomics approach to aging: Identification of glutathione as a stem cell rejuvenator*

Brian Hodge - Kapahi Lab/Buck - *FKH mediates the diet-dependent effects of circadian clocks on intestinal homeostasis*

Xiaoyan Guo - Kampmann Lab/UCSF - *Systematic elucidation of mitochondrial homeostasis in human cells using CRISPRi/a*

Martin Borch Jensen - Jasper Lab/Buck - *PGAM5 promotes lasting FoxO activation after developmental mitochondrial stress and extends lifespan in Drosophila*

Mihir Vohra - Ashrafi Lab - *Accumulation of kynurenic acid underlies learning impairments associated with aging*

10:15 am Coffee Break — Mackenzie Foyer

10:30 am The Aging Brain - Eric Verdin — Mackenzie Room

Ben Dulken - Brunet Lab/Stanford - *Analysis of the aging neural stem cell niche at single cell resolution*

Chandani Limbad - Campisi Lab/Buck - *Senescent astrocytes trigger glutamate toxicity in cortical neurons*

Elizabeth Wheatley - Villeda Lab/UCSF - *O-GlcNAcylation in the aging brain: Implications for cognitive decline*

Jordan Tsai and Aditya Anand- Walter Lab/UCSF - *Structural basis for the mechanism of a memory-enhancing inhibitor of the integrated stress response*

Ashley Frakes - Dillin Lab/Berkeley - *Glia regulate ER stress resistance and longevity*

11:45 am Lunch — Mackenzie Patio

12:45 pm Mark Collins - Glenn Foundation Announcement — Mackenzie Room

1:00 pm Genome and Proteome Integrity with Aging - Danica Chen — Mackenzie Room

Jay Goodman - Unal Lab/Berkeley - *Sequestration and clearance of age-induced protein aggregates in budding yeast gametogenesis*

Maria Angulo-Ibanez - Chua Lab/Stanford - *Sirtuins and rDNA in aging*

Kunitoshi Chiba - Hockemeyer Lab/Berkeley - *Mutations in the promoter of the telomerase gene TERT contribute to tumorigenesis by a two-step mechanism*

Arjun Sasikumar - Brem Lab/Buck - *Restricting potassium in the diet extends lifespan and boosts proteotoxic stress resistance*

2:00 pm Coffee Break — Mackenzie Foyer

2:15 pm Genome and Proteome Integrity with Aging - Hao Li — Mackenzie Room

Eddie Campbell - Jarosz Lab/Stanford - *Live fast, die young: Accelerated proliferation and aging driven by a self-templating heritable element*

Hanzhi Luo - Chen Lab/Berkeley - *Hematopoietic stem cell aging: Role of mitochondrial stress*

Tara Tracy - Gan Lab/UCSF - *Acetylated Tau in Alzheimer's Disease: Pathogenic mechanisms underlying memory loss*

Melod Mehdipour - Conboy Lab/Berkeley - *Heterochronic blood exchange: similarities and differences with parabiosis*

3:15 pm Poster Session — Mackenzie Foyer

4:30 pm Keynote — Mackenzie Room

Juan Carlos Izpisua Belmonte - Salk Institute - *Reprogramming aging*

5:15 pm Poster Prizes and Glenn Award — Mackenzie Room

5:30 pm Reception — Mackenzie Patio