**21st Bay Area Aging Meeting**  
Thursday, December 8, 2022  
Robertson Auditorium  
Mission Bay Conference Center  
UCSF Mission Bay Campus, 1675 Owens Street, San Francisco

### 8:20 – 8:50 am Breakfast and Registration

### 8:50 am Welcome Address – Hao Li

### 9:00 am Metabolism and Aging (sponsored by Altos Labs) – Chair: Danica Chen
- Peter Cathey (Zoncu lab/UC Berkeley): Decoding cholesterol-mTORC1 signaling in growth and disease  
- Vienvilay Phandanouvong-Lozano (Wolf lab/UC Berkeley): Gut bacterial metabolism of dietary sialic acids  
- Brenda Eap (Newman lab/UCSF & Buck): Ketone body metabolism declines with age in mice in a sex-dependent manner  
- Maria Dolores Moya-Garzon (Long lab/Stanford): BHB-Phe as a ketosis-inducible metabolite linked to energy balance  
- Wei-Chieh Mu (Chen lab/UC Berkeley): The Hepatic Integrated Stress Response Suppresses the Somatotroph Axis to Control Liver Damage in Nonalcoholic Fatty Liver Disease

### 10:15 am Coffee Break

### 10:30 am Rejuvenation/clock/reproductive aging (sponsored by Retro Biosciences) – Chair: Pankaj Kapahi
- Janine Sengstack (Li lab/UCSF): Systematic Approach identifies multiple transcription factor perturbations that rejuvenate replicatively aged human skin fibroblasts  
- Elena Monti (Blau lab/Stanford): Rejuvenating aged skeletal muscle by targeting a gerozyme  
- Alan Tomusiak (Verdin lab/Buck): A Novel Epigenetic Clock Immune to the Effects of Immune Cell Differentiation  
- Christina King (Schilling lab/Buck): Proteomic Analysis of Native and ECM-Enriched Mouse Ovaries Reveals Age-Dependent Signatures

### 11:30 am Keynote Lecture – Chair: Hao Li
- Judith Campisi (Professor, Buck Institute): Cellular senescence—bringing aging research together

### 12:15 pm Lunch and Poster

### 2:00 pm Brain Aging/New Technologies (sponsored by UCSF BARI) – Chair: Anne Brunet
- Laura Remesal Gomez (Villeda lab/UCSF): Role of the iron associated protein FTL1 as a neuronal pro-aging factor promoting cognitive decline  
- Karen Krukowski (Rosi lab/UCSF & Altos): Neuroimmune interactions in the aging brain  
- Oliver Hahn (Wyss-Coray lab/Stanford): Finding the weakest link: Tracing brain aging hotspots for preventive intervention  
- Sudipta Bar (Kapahi lab/Buck): Increasing glycogen breakdown in neurons is neuroprotective in a tauopathy model  
- Emmy Li (Kampmann lab/UCSF): CRISPRi-based genetic screens in iPSC-derived 3D neuron-astrocyte-microglia iAssembloids  
- Bonnie Zhu (Schaffer lab/UC Berkeley): Innovation by Evolution: Engineering Next-Generation of Adeno-Associated Viral Vectors for Gene Therapeutics in Central Nervous System  
- Claire Bedbrook (Brunet & Deisseroth labs/Stanford): Continuous behavioral tracking throughout lifespan to predict remaining life

### 3:45 pm Kevin Lee – Glenn Foundation Remarks

### 3:55 pm Coffee Break

### 4:10 pm Panel Discussion – Aging research and its translation: the past, present, and future – Moderator: Leanne Jones
- Christy Carter (Program officer, Training and workforce development, NIA), Kristen Fortney (CEO and co-founder, BioAge), Cynthia Kenyon (Vice President of Aging Research, Calico), Eric Verdin (President and CEO, Buck Institute), Peter Walter (Director, Bay Area Institute of Science, Altos), Tony Wyss-Coray (Professor, Stanford)

### 5:25 pm David Schaffer – QB3 announcements

### 5:30 pm Poster Awards

### 5:40 Reception (Sponsored by BioAge Labs)

**THANK YOU FOR YOUR SPONSORSHIP**

- Glenn Foundation for Medical Research (Platinum Plus)  
- Altos Labs (Gold)  
- UCSF Bakar Aging Research Institute (BARI) (Gold)  
- BioAge Labs (Silver)  
- Retro Biosciences (Silver)  
- Rubedo Life Sciences (Bronze)  
- Rejuvenation Research (Bronze)