



8:30–9:00am Atrium

## Breakfast and Registration

9:00am Drexler Auditorium

## Welcome

9:05am Drexler Auditorium

## Session 1: Immune function & Aging

Chair: Pankaj Kapahi

- 1. Roarke Kamber (Kamber lab)**  
Systematic approaches for investigating macrophage-mediated cell clearance in aging and disease
- 2. Priya Makhijani (Winer lab)**  
The Intestinal Immune System in a Mouse Model of Alzheimer's Disease
- 3. Paloma Navarro (Brunet lab)**  
Targeting immune cells and inflammation to rejuvenate the old brain
- 4. Marine Barthez (Chen lab)**  
Aging-associated inflammation

10:05am Atrium

## Coffee break

10:20am Drexler Auditorium

## Plenary talk: Tony Wyss-Coray Organ aging and rejuvenation at molecular resolution

11:20am Drexler Auditorium

## Session 2 Comparative & Evolutionary Biology of Aging

Chair: Jonathan Long

- 5. Juan Vazquez (Sudmant lab)**  
Evolution of Non-Allometric Longevity in a Clade of Long-Lived Bats Resolved Using Chromosome-Length Genome Assemblies
- 6. Param Singh (Singh lab)**  
Evolution and regulation of a state of suspended animation in killifish
- 7. Jonathan Bayerl (Laird lab)**  
Studying naked mole-rat stem cells in a dish - lessons from an evolutionary cheater and super-ager
- 8. Jackie Lanzalotto (Lewis lab)**  
Transcriptional responses to mitochondrial genome depletion in the soma

12:20pm Atrium

## Lunch and poster session

1:20pm Drexler Auditorium

## Session 3: Cellular senescence and age-related diseases Chair: Danica Chen

- 9. Melissa Sui (Brem lab)**  
A low-secretion cellular senescence program in wild-derived mice.
- 10. Sophia Shi (Wyss-Coray and Bertozzi labs)**  
Cerebrovascular glycofocalyx degeneration in aging and neurodegenerative disease
- 11. Michael Lanz (Skotheim lab)**  
Increasing cell size remodels the proteome and promotes senescence
- 12. Paul Sampognaro (Kao lab)**  
Mutations in  $\alpha$ -synuclein, TDP-43 and tau prolong protein half-life through diminished degradation by lysosomal proteases
- 13. Olga Bielska (Verdin lab)**  
Loss of mitochondrial dynamics gene leads to a segmental progeria in mice

2:35pm Atrium

## Coffee break

2:50pm Drexler Auditorium

## What is aging and how to study it? (Moderator-Pankaj Kapahi)

Panelists: Rachel Brem, Anne Brunet, Gordon Lithgow, Eric Verdin, and Tony Wyss-Coray

3:50pm Atrium

## Coffee Break

4:05pm Drexler Auditorium

## Session 4: Biomarkers and aging

Chair: Hao Li

- 14. Kenny Wilson (Kapahi and Ellerby labs)**  
Retinal scans provide a biomarker for aging...
- 15. Heyjun Park (Snyder lab)**  
Deep Profiling of Diet, Sleep, and Physical Activity Using Wearable Biosensors Reveals Associations Between Lifestyle Timing and Glucose Levels.
- 16. Jordan Baechle (Furman lab)**  
Immuno-Proteomic Age of Cardiovascular Etiology (iPACE) Signature Predicts Cardiovascular Risk and Mortality in Elderly Patients.

4:50pm Drexler Auditorium

## Speaker and Poster Award Presentations

5:30pm Atrium

## Reception

## Spring 2023 Organizers