

SenNet Consortium Spring 2025 Meeting Agenda

Data Management and Analysis

April 28-29, 2025

[Jackson Laboratory for Genomic Medicine](#)
[10 Discovery Drive, Farmington, CT 06032](#)

Virtual Attendance for SenNet Members Only: <https://pitt.zoom.us/j/91066281935>

Day 1 (April 28, 2025)

7:30 - 8:30 am	Registration/Check-in with Catered Full Breakfast
8:30 - 8:40 am	Welcome from The Jackson Laboratory (JAX) Mary Dickinson, The Jackson Laboratory
8:40 - 8:50 am	SenNet Welcome and Overview (NIH) Richard Hodes, National Institute of Health Introduction by Ananda Roy, National Institute of Health
8:50 - 9:00 am	Introduction and Level set for Spring Meeting Marissa Schafer , Mayo Clinic
9:00 - 10:00 am	Campisi Lecture by Christopher Wiley, Tufts <i>Fatty acid metabolism in senescent cells:</i> <i>A matter of life and death</i>
10:00 - 10:15 am	Break
10:15 - 11:00 am	Standardized CODCC Data Processing Methods Matt Ruffalo , Carnegie Mellon University
11:00 am - 12:00 pm	Tools Showcase I - Spatial Cell Segmentation Simon Melov , Buck Institute for Aging: Topic overview; Anthony Lagnado , Mayo Clinic: SenoQuant Jian Shu , Mass General: Bering Jun Hee Lee , University of Michigan: FICTURE
12:00 - 1:00 pm	Catered Lunch
1:00 - 2:00 pm	Tools Showcase II - Single Cell Processing Paul Robson , The Jackson Laboratory: Topic overview; Rahul Satija , New York Genome Center: pan-organ cell ID Anthony Fung , Yale University: single-cell typing and metabolism Jose Lugo-Martinez , Carnegie Mellon: scResolve
2:00 - 3:00 pm	Tools Showcase III - Data Analysis Approaches Jeff Chuang , The Jackson Laboratory: Topic overview; Jason Ji , Duke University: Single-cell and spatial detection of senescent cells using DeepScience

[Matt Mahoney](#), The Jackson Laboratory: An open source framework for spatial reactomics

[Nicola Neretti](#), Brown University: Title Pending

3:00 - 3:15 pm

Break

[3:15 - 3:30 pm](#)

Update on Senescence Markers: Data-Driven

[Nicola Neretti](#), Brown University

[3:30 - 4:00 pm](#)

Good Modeling Practices Presentation

[Constantin Aliferis](#), University of Minnesota

[Yuval Kluger](#), Yale School of Medicine

[4:00 - 4:30 pm](#)

Discussion: Readiness for Reporting Standards

(SC Chairs / Constantin Aliferis / Yuval Kluger)

4:30 - 6:00 pm

Networking and Poster Session

(Hors d'Oeuvres / Open Bar)

Day 2: (April 29, 2025)

7:30 - 8:30 am

Check-in/Catered Full Breakfast

8:30 - 8:45 am

Day 2 Introduction and Level set

(SC Chairs integrate day one and setup day two)

[8:45 - 9:15 am](#)

Cross-Consortium Benchmarking Project Updates

(Team Presentation)

[9:15 - 10:00 am](#)

Senotype Discussion and Library Overview

[Darren Baker](#) / [Marissa Schafer](#), Mayo Clinic

[Jonathan Silverstein](#) / [Kay Métis](#), University of Pittsburgh

10:00-10:15 am

Break

[10:15 am -12:00 pm](#)

Organ Group Breakouts

(Specific Goals enumerated / report back)

12:00-1:00 pm

Catered Lunch

(External Program Consultants closed meeting)

[1:00-2:00 pm](#)

Working Group Breakouts

(SenNet WG Chairs - Specific Goals enumerated)

[2:00-2:30 pm](#)

Translational Geroscience Network (TGN) Session

James Kirkland, Cedars-Sinai

2:30-3:30 pm

Steering Committee Meeting

(Includes Working Group Breakouts report back)

3:30 pm

Wrap up and Adjourn