**SenNet Annual Meeting Agenda**

**October 23 and 24, 2023**

Graduate Hotel
Minneapolis, MN

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<th><strong>Day 1</strong> (Monday, October 23, 2023)</th>
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<td><strong>Join Zoom Meeting</strong></td>
<td><strong><a href="https://pitt.zoom.us/j/91546844753">https://pitt.zoom.us/j/91546844753</a></strong></td>
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8:00-9:00 am **Registration/Check-in with Catered Full Breakfast**

**Introductions**

9:00-9:20 am **Opening remarks - Richard Hodes and Ananda Roy**
National Institutes of Health

9:20-9:30 am **Consortium Organization & Data Coordinating Center (CODCC)**
PIs: Jonathan Silverstein, Ziv Bar-Joseph, Phil Blood

9:30-10:30 am **Keynote Speaker**
Pura Muñoz Cánoves (Altos Labs, CA) - Rong to introduce

10:30-10:40 am **Break**

**Updates from TDAs and TMCs (Session I)**

10:40-10:55 am **Buck Institute for Research on Aging (TMC)**
Senescent cell mapping, identification and validation for human somatic and reproductive tissues
PI: Judy Campisi

10:55-11:10 am **University of Washington (TDA)**
PIXEL-seq-based spatial, multi-omic profiling for senescent cell mapping with single-cell resolution
PI: Liangcai Gu

11:10-11:25 am **University of Minnesota (TMC)**
Tissue Mapping Center for Senescent Cells
PI: Laura Niedernhofer

11:25-11:40 am **Stanford University (TDA)**
Cellular Senescence Network: New Imaging Tools for Arthritis Imaging
PI: Heike Daldrup-Link
11:40-11:55 am  Sanford Burnham Prebys Medical Discovery Institute (TMC)
Spatial mapping senescent cells across the mouse lifespan by multiplex transcriptomics and epigenomics
PI: Peter Adams

11:55 am-1:00 pm  Catered Lunch

1:00-1:15 pm  Selected Abstract Presentations

 Updates from TDAs and TMCs (Session II)

 1:15-1:30 pm  Massachusetts General Hospital (TDA)
Single-cell proteomic identification of novel markers of senescence
PI: Zhixun Dou

 1:30-1:45 pm  The Jackson Laboratory (TMC)
The Jackson Laboratory Senescence Tissue Mapping Center
PI: Nadia Rosenthal

 1:45-2:00 pm  UConn Health (TMC)
The KAPP-Sen Tissue Mapping Center Collaborative
PI: George Kuchel

 2:00–2:15 pm  Johns Hopkins University (TDA)
Three-dimensional maps of in the human pancreas
PI: Pei-Hsun Wu

 2:15-2:30 pm  Mayo Clinic (TDA)
Spatially resolved protein and transcriptome mapping of senescent cells
PI: Marissa Schafer

 2:30-2:45 pm  Break

 Updates from TDAs and TMCs (Session III)

 2:45-3:00 University of Pittsburgh (TMC)
TriState SenNET (Lung and Heart) Tissue Map and Atlas Consortium
PI: Toren Finkel

 3:00-3:15 pm  Buck Institute for Research on Aging (TDA)
Evaluating diverse technologies for detecting and validating senescent cells in vivo
3:15-3:30 pm  **Duke University-Mount Sinai (TMC)**  
Senescent Cell Evaluations in Normal Tissues (SCENT) Mapping Center  
PIs: Patty Lee, Andrew Nixon and Monica Kraft

3:30-3:45 pm  **University of Minnesota (TMC)**  
Midwest Murine Tissue Mapping Center  
PI: David Bernlohr

3:45-4:00 pm  **Columbia University Irving Medical Center (TMC)**  
A Multi-scale Atlas of Senescence in Diverse Tissue Types  
PI: Hemali Phatnani

4:00-6:00 pm  **Poster and cocktail reception with light Hors D’oeuvre**

**Evening Networking – Local Restaurants (Junior Investigators meet with PIs or Faculty for dinner)**

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### Day 2 (Tuesday, October 24, 2023)

Join Zoom Meeting  
https://pitt.zoom.us/j/98487545357

8:00-9:00 am  **Check-in/Catered Full Breakfast**

9:00-9:15 am  **Poster/Abstract Awards and recognition of the CUSP students**

9:15-10:15 am  **Keynote Speaker**  
Corina Amor Vegas (Cold Springs Harbor Laboratory, NY) -  
Marissa to introduce

10:15-10:45 am  **SenNet consortium benchmarking projects updates**  
Mouse benchmarking project discussion

10:45-11:00 am  **Break**

**Updates from TDAs and TMCs (Session IV)**

11:00-11:15 pm  **Brown University (TDA)**  
Spatial omics technologies to map the senescent cell microenvironment  
PI: Nicola Neretti

11:15-11:30 am  **Massachusetts Institute of Technology (TDA)**
Single-cell label-free identification of senescence by Raman microscopy and spatial genomics  
PI: Peter So

11:30-11:45 am Columbia University (TDA)  
Senescence-on-a-chip: Building a microphysiological 3D skin model  
PI: Angela Christiano

11:45-12:00 pm Johns Hopkins University (TMC)  
JHU-Mayo-NIA Murine Senescence Mapping Program  
PI: Jennifer Elisseeff

12:00-1:15 pm Catered Lunch

Updates from TDAs and TMCs (Session V)  
1:15-1:30 pm Yale University (TMC)  
Cellular Senescence in Lymphoid Organs  
PI: Rong Fan

1:30-1:45 pm Pacific Northwest National Laboratory (TDA)  
Spatially resolved proteome mapping of senescent cells and their tissue microenvironment at single-cell resolution  
PI: Ljiljana Pasa-Tolic

1:45-2:00 pm Washington University in St. Louis (TMC)  
Washington University Senescence Tissue Mapping Center  
PI: Li Ding

2:00-2:15 pm University of Michigan (TDA)  
Seq-Scope: Microscopic Examination of Spatial Single Cell Transcriptome in Cell and Tissue Senescence  
PI: Jun Hee Lee

2:15-2:30 pm Yale University (TMC)  
Immune Cell Senescence Derived Inflammation  
PI: Deep Dixit

2:30-2:45 pm Mayo Clinic (TDA)  
Development of machine learning software to quantitatively map telomere induced senescence in tissue sections during aging  
PI: Joao Passos
2:45-3:00 pm  Break

3:00-4:00 pm  Steering Committee Meeting (open to attendees)

4:00-5:00 pm  Junior Investigator Session
   30 minutes NIH Funding Opportunities - Christy Carter
   30 minutes - Discussion

5:00 pm  Adjourn (meeting takeaways by session chairs)