

# Center for Systems Immunology 2024 Retreat

Wednesday, November 13th

**8:00 Breakfast**

**8:30 Structure of Space**

John Barton, PhD, University of Pittsburgh

*Modeling adaptive recognition in the innate immune system*

Kathryn Torok, MD, University of Pittsburgh

*Illuminating the cellular and molecular terrain of scleroderma:  
Insights from single-cell and spatial transcriptomics*

Michael Angelo, MD, PhD, Stanford University

*Spatial determinants of immune response in human disease*

**10:00 Coffee Break**

**10:15 Circuits and States**

Jing Li, PhD, University of Pittsburgh

*Immunosuppression mediated by regulatory CD8+ T cells in the tumor microenvironment*

Sally Wenzel, MD, University of Pittsburgh

*Epithelial 'omics: windows to the biologies and molecular phenotypes of asthma*

Hao Yuan Kueh, PhD, University of Washington

*Understanding and engineering immune cell control circuits*

**11:45 Lunch**

**12:45 Student and Postdoctoral Fellow Talks**

**2:15 Coffee Break**

**2:30 Function from Form**

Frederick Roth, PhD, University of Pittsburgh

*Proactively testing all possible missense variants, with application to STK11  
and the autoimmune regulator AIRE*

Harinder Singh, PhD, University of Pittsburgh

*Analyzing immune cell fate dynamics at single-cell and base-pair resolution*

Jellert Gaublomme, PhD, Columbia University

*Mapping multimodal phenotypes to perturbations in cells and tissue*

**4:00 Poster Session and Reception**

**5:30 Poster Awards and Closing Remarks**

Event artwork: Sarah Bradley



Systems