**WEDNESDAY, JANUARY 27**

**12:00 PM** Welcome

**12:10 PM** Cancer & Immunology Session 1  
*Moderator: Todd Golub*

- Metabolic contribution of neurons, via peripheral axons, to pancreatic tumorigenesis  
  **Robert Banh**

- Recoding commensal-immune communication for cancer immunotherapy  
  **Yiyin Erin Chen**

- The airway microbiome and inflammation in asthma phenotype  
  **Ariangela J. Kozik**

**1:10 PM** Spatial Chat with Cancer & Immunology Session 1 speakers

**1:30 PM** Cancer & Immunology Session 2  
*Moderator: Todd Golub*

- Developing personalized treatment strategies which minimize the emergence of antibiotic resistance  
  **Mathew Stracy**

- Hijacking host motor proteins for viral entry  
  **Chelsey Cierra Spriggs**

- EcDNA hubs drive cooperative intermolecular oncogene expression  
  **Kathryn Yost**

**2:30 PM** Spatial Chat with Cancer & Immunology Session 2 speakers

**2:45 PM** Neuroscience  
*Moderator: Morgan Sheng*

- A ventrolateral medulla-midline thalamic circuit for hypoglycemic feeding  
  **Sofia Beas**

- Risk factors for aging and Alzheimer’s disease in Blacks  
  **Kacie Deters**

- Neuroimmune circuits regulate intestinal immune-metabolic homeostasis  
  **Jhimmy Talbot**

**3:45 PM** Day 1 Closing: Todd Golub

**3:45 PM** Spatial Chat with Neuroscience Session speakers
THURSDAY, JANUARY 28

12:00 PM  Day 2 Welcome

12:05 PM  Tools & Technology Session Session 1  
Moderator: Fei Chen

Synthetic recording of cell lineage and molecular history with image based readout
Amjad Askary

Molecular programming using de novo designed proteins
Zibo Chen

Radiogenomics data integration for predictive oncology
Mireia Crispin-Ortuzar

1:05 PM  Spatial Chat with Tools & Technology Session 1 speakers

1:25 PM  Tools & Technology Session 2  
Moderator: Xiao Wang

Programmable transcriptional memory by CRISPR-based epigenome editing
James Nuñez

Functional and antigenic evolution of the SARS-CoV-2 receptor-binding domain
Tyler Starr

Kethoxal-assisted profiling of transcription dynamics and RNA-RNA interactions
Tong Wu

2:25 PM  Spatial Chat with Tools & Technology Session 2 speakers

2:40 PM  Chemical Biology  
Moderator: Ramnik Xavier

Engineering biological functions with synthetic protein switches
Xin Zhou

Sensory mechanisms underlying feeding regulation
Ling Bai

Structural insights into the analgesic drug target TRPM8
Melinda Diver

Chemical genetic assessment of tyrosine kinase signaling in the animal stem lineage
Florentine Rutaganira

A chemical strategy for brain-specific inhibition of mTOR
Ziyang Zhang

4:20 PM  Closing Remarks

4:20 PM  Spatial Chat with Chemical Biology Session speakers