

**CSB/IMM Workshop
AGENDA**

- 7:30am – 8:00am** **Breakfast**
- 7:45am – 9:00am** **Intro sessions**
- Immunology: **Anuradha Ray & Matthew Camiolo** – *Asthma from clinical, pathophysiological and systems immunology stand points*
 - Computational & Systems Biology: **Maria Chikina** – *Introduction of high-dimensional data*
- 9:00am – 9:25am** **Robert Lafyatis** – *Single cell approaches toward identifying transcription factors regulating lung and skin myofibroblasts in systemic sclerosis*
- 9:25am – 9:50am** **Jason Shoemaker** – *Network insights into identifying influenza replication factors*
- 9:50am – 10:15am** **Jishnu Das** – *Dissecting high-dimensional immunological datasets using latent models*
- 10:15am – 10:30am** **BREAK**
- 10:30 – 12:00 pm** **Breakout sessions**
- *Spacial transcriptomics*
 - *TCR/BCR analysis with single cell*
 - *Molecular mechanistic modeling of immunotherapy*
 - *Advanced single cell analyses*
 - *Intersection of computational biology and clinical data*
- 12:00 – 1:00** **LUNCH**
- 1:15 – 2:15** **Short (lightning) talks chosen from poster abstracts**
- 2:15 – 3:30** **Poster session**
- 3:30pm – 4:00pm** **Anne Carvunis** - *Probing the dark matter of the translome*
- 4:00pm – 4:30pm** **Hatice Osmanbeyoglu** – *Integrative computational framework for linking cell-specific signaling and transcriptional programs*
- 4:30pm – 5:00pm** **Robin Lee** – *Information transmission in molecular signal transduction pathways*
- 5:00pm – 6:30pm** **Reception and Poster Session**