

## **Schedule:**

**All talks are 50 min (35 min for presentation + 15 mins for Q&A)**

### **Monday: (9am-1pm)**

9:00-9:50 – Sunghan Ro (Stability of Flocks with Discrete and Continuous Symmetry)

9:50-10:40 – Naomi Ginsberg (Thermodynamics, kinetics, and dynamics of assembling nanoscale particles)

10:40 – 11:00 – Coffee Break

11:00 - 11:50 – Suri Vaikuntanathan (Computing with sweets and sugars)

11:50 - 12:40 – Shiladitya Banerjee (Non-neural learning and memory in a living bacterium)

### **Tuesday (2pm-6pm):**

**Break until 2:00 pm for any outdoor activity.**

2:00-2:50 – Amaresh Sahu (Dielectric permittivity of a lipid bilayer)

2:50-3:40 – Gautam Reddy (A kinetic competition between memorization and in-context generalization in small transformers)

3:40 - 4:00 – Break

4:00 - 4:50 – Moumita Das (Time-Encoded Self-Organization: Oscillatory Dynamics and Active Remodeling in Soft and Living Matter.)

4:50 - 5:40 – David Limmer (Active forces generically speed up kinetics)

### **Wednesday (9am-1pm): Group Dinner in the evening around 6 pm!**

9:00-9:50 – Glen Hocky (Modelling crystallization by polymer attenuated coulombic self-assembly)

9:50-10:40 – Kranthi Mandadapu (Odd/Anomalous Transport in Active Media)

10:40 – 11:00 – Break

11:00 - 11:50 – William Irvine (Turbulence B D)

11:50-12:40 – Grant Rotskoff (Control, constraints, and optimal transport: finding optimal protocols with rectified flows)

**Thursday (9 am - 12 pm, 2pm - 4pm):**

9:00-9:50 – Aditi Krishnapriyan ML methods for molecular simulations: Leveraging data at scale with generative models and knowledge distillation

9:50-10:40 – Kinjal Dasbiswas (Shape selectivity by complex dynamics in elastic active gels)

10:40 – 11:00 – Break

11:00 - 11:50 – Naomi Oppenheimer (Compact Expansion of a Repulsive Expansion)

11:50 - 2:00 – Lunch Break

2:00 - 2:50 – Marija Vucelja — Speedups in Nonequilibrium Thermal Relaxations: Mpemba and Related Effects

2:50 - 3:10 – Coffee Break

3:10-4:00 – Norbert Scherer (Non-Reciprocal and N-Body Forces in Optical Matter Systems)

**Friday: Break all day for outdoor activity. Many attendees are leaving on Friday as well.**