



Seminar/Talk

Cellular computations and decision-making by dynamic biomolecular ensembles

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Host: Carl Goodrich

Living cells perform remarkable functions that are powered through biomolecular networks that interact and react in crowded cellular environments. Many biomolecules are highly dynamic, fluctuating among diverse conformational ensembles and spatially self-organizing through phase transitions. How can cells harness the physics of these dynamic assemblies to sense, compute, and respond to their environment? Using design as a lens, I will explore how physical principles connect molecular-scale dynamics and self-organization to enable and constrain biomolecular information processing.

Thursday, September 17, 2026 11:00am - 12:00pm

Ballroom / Central Bldg / O1



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.