

Time	Event	Speaker	Talk Title	
9:15 - 9:30	Opening Remarks			
9:30 - 10:15	Keynote A	Fernanda Pinheiro Human Techopole, Milan (IT)	Microbial Behavior in Context	Chair: Tarek Tohme
10:15 - 11:00	A.1	Marian Huot / ENS	Biophysics-aware prediction and rapid discovery of high-fitness SARS-CoV-2 variants	
	A.2	Lisa Gennai / EPFL	Partner determination in chaperone systems	
	A.3	María Li López Bautista / EPFL	Non-equilibrium stabilization of proteins by chaperones	
Coffee Break				
11:30 - 12:15	Keynote B	Daniel Maria Busiello University of Padova (IT)	Interactions across timescales shape information propagation and encoding in stochastic systems	Chair: Matteo Sireci
12:15 - 13:00	B.1	Marie Sellier-Prono / ENS	Models of oscillators to study frequency parcellation in the intestine and the brain	
	B.2	Barnabé Ledoux / ESPCI	Compositional memory matters for early molecular systems	
	B.3	Esther Zamora Sánchez / SU	Maze-solving with density-driven swarms	
Lunch Break				
14:30 - 15:15	Keynote C	Javier Alegre-Cortéz ICM, Paris (FR)	Functional architecture of neuronal circuits	Chair: Vito Dichio
15:15 - 16:00	C.1	Sebastian Castedo / ENS	Energy-Efficient Neural Coding Under Food Restriction: Structure, Noise, and Resilience	
	C.2	Ludwig Hruza / ENS	Gain-modulated linear networks: a tractable framework for context-dependent computations	
	C.3	Pierre Houzelstein / ENS	Koopman analysis of stochastic oscillations in neuron networks	
Coffee Break				
16:30 - 17:15	Keynote D	Daria Bonazzi Institut Pasteur, Paris (FR)	How do mechanical forces shape bacterial infections?	Chair: Suchismita Das
17:15 - 18:00	D.1	Sara Formichetti / Pasteur	Modulation of mammalian embryonic growth by intracellular glycosylation	
	D.2	Sumeja Burekovic / Saclay	Active phase separation: from micro to macro	
	D.3	Tristan Cerdin / SU	Qualifying Active Particles Motion by Counting them in Boxes	
> 18:00	Concluding remarks and apéro			