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# Biological Physics and Statistical Mechanics: from molecules to cells and beyond

## Friday 13 June 2025

### Session 7 - Sala Caracciolo (09:00-11:40)

time	[id] title	presenter
09:30	[85] Self-organized molecular sorting	Prof. GAMBÀ, Andrea
10:00	[84] Molecular Sorting on Fluctuating Membranes	Prof. DALL'ASTA, Luca
10:30	[101] Eigenstructure of Hi-C contact matrices: a spectral network approach to generate synthetic data	Dr. MERLOTTI, Alessandra
10:50	[102] Tuning transduction from hidden observables to optimize information harvesting	Dr. BUSIELLO, Daniel Maria
11:10	[103] Signal transduction in cells as a non-equilibrium process: The case of GPCRs and G proteins	Dr. FILLION, Thibault
11:30	[119] A phase diagram for active phase separation	Dr. ANDREGHETTI, Damiano
11:35	[120] Small-coupling expansion of dynamic cavity equations for stochastic systems on sparse networks	Dr. TARABOLO, Mattia