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

## Thursday 12 June 2025

### Session 6 - Sala Caracciolo (14:15-18:15)

time	[id] title	presenter
14:15	[81] Looking for marker genes in healthy and cancer tissues.	Prof. CASELLE, Michele
14:45	[82] The physics of proofreading mechanisms in cellular signal transduction	Prof. PIAZZA, Francesco
15:15	[83] Laws for cellular growth, and models to frame them	Prof. LAGOMARSINO, Marco Cosentino
15:45	Coffee Break	
16:15	[98] Inhibitor-induced transitions in pattern formation and their role in morphogenesis robustness	Dr. GRIGOLON, Silvia
16:35	[100] From Pairwise to Community-Level Interactions: Insights from Engineered Bacterial Strains	Dr. REDAELLI, Tommaso
16:55	[117] From cooperativity in photosynthetic antenna systems to bio-mimetic sunlight pumped lasers	Dr. VALZELLI, Alessia
17:00	[118] Exact Entropy of Tightly Double Folded Ring Polymers allows for Multi-scale Modeling of Genomes	Dr. VAN DER HOEK, Pieter Hendrik Willem