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

## Tuesday 10 June 2025

### Session 3 - Sala Caracciolo (14:15-18:15)

time	[id] title	presenter
14:15	[69] Statistically validated comorbidity networks	Prof. MANTEGNA, Rosario Nunzio
14:45	[70] Maximum Entropy models of populations of cells	Prof. DE MARTINO, Andrea
15:15	[71] Dual Stochastic Resonance Enhances Sexual Communication in Stink Bugs <i>Nezara Viridula</i>	Prof. SPAGNOLO, Bernardo
15:45	Coffee Break	
16:15	[92] OxDNA3: A Coarse-Grained DNA Model with Sequence-Specific Curvature and Elasticity	Dr. BONATO, Andrea
16:35	[93] Characterizing allosteric communication in h-cisPT enzyme through network and transfer entropy analysis	Dr. GUARDIANI, Carlo
16:55	[94] CIRNet: Evaluation of chemical and physical complementarities for a fast neural network-aided identification of protein interfaces	Dr. GRASSMANN, Greta
17:15	[108] Physical principles of phase-separation action on chromatin looping associated to pathogenic gene activation	Dr. FONTANA, Andrea
17:20	[109] Coarse Grained Simulations of Kinetoplast DNA	Dr. GRILLO, Guglielmo
17:25	[110] Theory of polymers in binary solvent solutions	Dr. MARCATO, Davide