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

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Session 2 - Sala Caracciolo (09:00-12:50)

time	[id] title	presenter
09:00	[64] Phase transitions in the nucleus of cells	Prof. NICODEMI, MARIO
09:30	[65] Entropy and topological weight of chromatin loop networks	Prof. ORLANDINI, ENZO
10:00	[66] Unzipping, Twisting, and Unknotting: How Nanopore Translocation Reshapes DNA	Prof. MICHELETTI, Cristian
10:30	Coffee Break	
11:00	[67] Effective models of chromatin dynamics	Prof. TIANA, Guido
11:30	[68] Exploring chromosome organization in healthy and pathogenic genomes	Dr. CHIARIELLO, Andrea Maria
12:00	[90] Mechano-kinetic characterisation of a small ensemble of myosin motors: a stochastic fitting approach to actin-myosin interaction dynamics	Dr. BUONFIGLIO, Valentina
12:20	[91] Exploring Protein Conformational Transitions in the Second Timescale through multiscale Molecular Dynamics: the Case of SHP2 Activation	Dr. CALLIGARI, Paolo
12:40	[106] Diffusion and enzymatic reactions in solutions crowded by branched polymers	Dr. MIGLIORINI, Giuliano
12:45	[107] A Single-Cell Microfluidic Device for Studying Leukemia Cell Proliferation	Dr. SCALISE, Simone