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

## Thursday 12 June 2025

### Session 5 - Sala Caracciolo (09:00-12:50)

time	[id] title	presenter
09:00	[76] Predicting the structure of enzymes with metal cofactors: The example of [FeFe] hydrogenases	Prof. MINICOZZI, Velia
09:30	[77] All-atom Simulations unveil Physiological and Pharmacological Role of Protein Folding Intermediates	Prof. FACCIOLI, Pietro
10:00	[78] Reconceiving microRNAs as post-transcriptional frequency decoders	Prof. BOSIA, Carla
10:30	Coffee Break	
11:00	[79] Reinforcement Learning and animal behavior	Prof. CELANI, Antonio
11:30	[80] Microbial billiards	Prof. DI LEONARDO, Roberto
12:00	[96] Calorimetric cooperativity revisited and generalized: the role of intermediate states	Dr. TROVATO, Antonio
12:20	[97] Cross-feeding dynamics in microbial communities under different environmental	Dr. MICALI, Gabriele
12:40	[115] Inference of Chromatin Architecture in Sleep-Deprived Neurons	DI PIERNO, FLORINDA
12:45	[116] Boosted continuous Wang-Landau Algorithm: A Novel Approach for Soft Matter Sampling	Dr. SPRETI, Camilla