

Computer Simulations of Biological Systems

29th of April- 1st of May 2014

School of Physics, IPM, Tehran

Program

	10:00-11:00	11:00-12:00	12:00-14:00	14:00-15:00	15:00-16:00	16:00-16:30	16:30-17:30	17:30-18:30
Tue, April 29	Registration			M. Telo Da Gama	M.R. Ejtehad	Break	P. Carloni	B. Davoudi
Wed, April 30	U. Rothlisberger	M. Telo Da Gama	Lunch Break	M. Parrinello	P. Carloni	Break	M. Dal Peraro	M. J. Ramos
Thurs, May 1	M. Parrinello	U. Rothlisberger	Lunch Break	M. J. Ramos	M. Dal Peraro	Break	M.R. Ejtehad	

Title of talks

● Paolo Carloni	Cancer (resistance and propagation)
● Bahman Davoudi	Simulation of disease spread on a random network
● Matteo Dal Peraro	Membranes and pore forming, coarse grained models
● Mohammad Reza Ejtehad	DNA elasticity
● Michele Parrinello	Enhanced sampling methods
● Maria J. Ramos	1. Computational Enzymatic Reactivity 2. Computational Strategies in Drug Discovery
● Ursula Rothlisberger	QM/MM
● Margarida Telo Da Gama	Self-assembly and self-organization of patchy colloids