

Time	Monday 12.04.2010	Tuesday 13.04.2010	Wednesday 14.04.2010	Thursday 15.04.2010
8:30 – 9:00	Rubinsztein-Dunlop The Role of Optical angular momentum in optical tweezers/optical micromanipulation	Glückstad Orthogonal trapping and sensing with long working distance optics	Dholakia Optical micromanipulation: spatial and temporal shaping	Helmerson Optical trapping for manipulating single molecules and nanoparticles
9:00 – 9:30	Losert Optical Micromanipulation of Cells	di Leonardo Hydrodynamic interactions: from Brownian motion to swimming bacteria	Bockelmann Double optical trap for single molecule studies of RNA-protein interactions	Denz Creating organization by light - optical control of microporous particles and molecular nanomotors by holographic optical tweezers
9:30 – 10:00	McGloin Building blocks for studying ice nucleation with optical tweezers	Van Blaaderen Manipulating Colloidal Crystallization with Electric Fields: From Tweezers to Bottles and Pattern Formation	Greulich Optical Micromanipulation in Ageing Research	Krolikowski Photophoretic Trapping and Manipulation of Absorbing Particles
10:00 – 10:30	Coffee & Tea	Coffee & Tea	Coffee & Tea	Coffee & Tea
10:30 – 11:00	Bernet Optical trapping of big things	Emiliani Shining light into the brain	Padgett High-speed holographic tweezers and imaging	Ou-Yang Optical Bottles: A Quantitative Analysis of Optically Confined Nanoparticle Ensembles in Suspension
11:00 – 11:30	Curtis Mechanics of the Cell Coat: Biology Meets Physics	Ormos Microscopic rheometer generated and operated by light	Wuite See me, Feel me: Investigating the physics of DNA molecules and its associated proteins	König Nanoprocessing with picojoule extreme ultrafast 12 femtosecond laser pulses
11:30 – 12:00	Segev Symbiotic Nonlinear Opto-Fluidity	Käs Feeling for Cells with Light: Illuminating the Role of Biomechanics for Tumor Progress		Osten Spatial light modulators and their properties for optical micromanipulation
12:00 – 12:30	Pavone Multiphoton Nanosurgery in Live Brain	Fournier Comparative study of various types of multiple optical tweezers		Pesce Thermodynamics of small scale systems: an optically driven Brownian particle
12:30 – 16:30	Lunch Break	Lunch Break	Lunch Break	Lunch Break
16:30 – 17:00	Coffee & Tea	Coffee & Tea	Coffee & Tea	Coffee & Tea
17:00 – 17:30	Zheludev Controlling Light on the Nanoscale	Zemanek Particle dynamics in interfering light fields	Goksör Single Cell Analyses using Optical Manipulation	
17:30 – 18:00	Martin-Badosa Optical trapping Lab at the University of Barcelona (BiOPT): recent advances and future work	Rohrbach Control of Momentum Transfer to Small Particles and Biological Material	Swartzlander Optical Lift	
19:00	Dinner	Dinner	Conference Dinner	Dinner
20:00 – 21:30	Poster Session I	Poster Session II		

