

CELL MODEL SYSTEMS SUMMER SCHOOL

8-12 June 2015

MONDAY, 8			
08.30-09.00	A. Mastino	President of CNR Research Establishment-Tor Vergata	Opening
	A. Ramundo-Orlando	Founder CMS3 Summer School	Introduction to the School
Chair Session 09.00-10.00	<i>V. Mussi</i> F. Bussolino	School of Medicine University of Torino, Italy	3D Cell Models to understanding host-cancer circuits
Coffee break 10.20-11.20	T. Pellegrino	Italian Institute of Technology, Genova, Italy	Biomedical applications of engineered nanostructures
11.30-12.30	T. Gutschmann	Research Centre Borstel, Germany	Membrane reconstitution systems for the investigation of peptide-lipid interaction: Impact for drug design
12.30-13.00	Attendees		Self-presentations
Lunch 14.00-17.00		SOCIAL EVENT	Guided tour of the works of Caravaggio (Santa Maria del Popolo, Sant'Agostino, San Luigi dei Francesi)
TUESDAY, 9			
Chair Session 09.00-10.00	<i>R. Marcelli</i> D. Brüggemann	Max Plank Institute for Intelligent Systems, Germany	Synthetic cell systems: integrin-liposomes and protein composite nanofiber
Coffee break 10.20-11.30	Attendees		Self-presentations
Break 11.40-12.30	A. Lucibello, A. Ramundo-Orlando	Institute of Microelectronic and Microsystems, CNR-Rome	Laboratory: Giant vesicles preparation
Lunch 13.30-14.30	K. Landfester	Max-Plank, Mainz, Germany	Functionalized nanocapsules as markers and nanocarriers in biomedical applications

WEDNESDAY, 10

Chair Session 09.00-10.00	<i>F. Di Pietrantonio</i> F. Mavelli	Chemistry Department, University Bari, Italy	Stochastic simulations of minimal cell model systems
Coffee break 10.20-11.20	P. Walde	ETH-Zurigo, Switzerland	Lipid vesicles as Biomimetic Systems
Break 11.30-12.30	A. Ramundo-Orlando	Institute of Translational Pharmacology, CNR-Rome	Lipid vesicles preparation
Lunch 14:00-15:00	P. Stano	Biology Department Roma3 University, Rome, Italy	Compartmentalized reactions as models for biological cells
15.00-16.00	A. Ramundo-Orlando, P. Carrara, F. Mattia	Institute of Translational Pharmacology, CNR-Rome HORIBA-Italy	Laboratory: Lipid vesicles preparation Light scattering

THURSDAY, 11

Chair Session 09.00-10.00	<i>F. Farrelly</i> C. Xinaris	Pharmacology Institute Mario Negri, Italy	Developmental approaches to create new organs
Coffee break 10.20-11.20	S. Vassanelli	Biomedical Science Dep. Uni. Padoa, Italy	Neuron-chip interface and its modelling
Break 11.30-12.30	F. Di Pietrantonio	IDASC-CNR, Rome, Italy	Micromachined Devices for Biosensing
Lunch 14.00-17.00	M. Benetti, D. Cannatà, L. Maiolo, A. Minotti	IMM & IDASC, CNR-Rome	Laboratory: Nanobiotech /Microelectronics

FRIDAY, 12

Chair Session 09.00-10.00	<i>A. Ramundo-Orlando</i> I.T. Arkin	Alexander Silberman Institute, Jerusalem, Israel	Triggering molecular dynamics simulations
Coffee Break 10.20-11.20	I.T. Arkin	Alexander Silberman Institute, Jerusalem, Israel	Isotope edited infra-red spectroscopy
Break Chair session 11.30-12.30	<i>CMS3 Scientific Organizer</i> Attendees		CMS3 Awards
Lunch 14.00-16.00	I.T. Arkin, F. Farrelly, V. Mussi	Institute of Complex Systems, CNR-Rome	Laboratory: Molecular Dynamic Simulations

