



International Symposium on Nanomedicine

Wednesday, May 31, 2017

Politecnico di Milano – Aula Rogers – Via Ampere 2, Milano

09:00-09:15 Pierangelo Metrangolo (Politecnico di Milano, Italy)
Inauguration of the Interdepartmental Laboratory on Nanomedicine (*NanoMedLab*)

SESSION 1 - Chair: Pierangelo Metrangolo (Politecnico di Milano, Italy)

09:15-09:50 Luis-Liz Marzan (CIC biomaGUNE, Spain)
SERS-Encoded nanoparticles for multiplex bioimaging

09:50-10:25 Maurizio Prato (University of Trieste, Italy)
Carbon nanostructures for nanomedicine: Opportunities and challenges

10:25-10:45 **Coffee Break**

SESSION 2 - Chair: Francesco Cellesi (Politecnico di Milano, Italy)

10:45-11:20 Wolfgang Parak (University of Marburg, Germany)
Interaction of colloids with cell from a fundamental point of view

11:20-11:55 Teresa Pellegrino (IIT – Genova, Italy)
Functionalized ferrite nanocubes to combine magnetic hyperthermia with therapeutic treatments: In vitro and in vivo studies

11:55-12:30 Francesca Baldelli Bombelli (Politecnico di Milano, Italy)
Hydrophobin-stabilized supraparticles for drug delivery

12:25-14:00 **Lunch Break**

SESSION 3 - Chair: Giancarlo Terraneo (Politecnico di Milano, Italy)

14:00-14:15 Alberto Santoliquido (Alfatest Srl, Italy)
High resolution separation and characterization of nanoparticles in biological media

14:15-14:30 Laura Graziano (Antoon Paar Italia Srl, Italy)
Micro-RNA nanoparticles for gene silencing: Measuring size and zeta potential with light scattering technology

SESSION 4 - Chair: Pasquale Ciarletta (Politecnico di Milano, Italy)

14:30-15:05 Luisa De Cola (University of Strasbourg, France)
Hybrid hydrogels for non-invasive surgery

15:05-15:40 Paolo Netti (University of Naples, Italy)
Nanoengineered materials to control and guide cell fate

15:40-16:00 **Coffee Break**

SESSION 5 - Chair: Monica Soncini (Politecnico di Milano, Italy)

16:00-16:35 Anna Salvati (University of Groningen, The Netherlands)
Cell recognition and endocytosis of nano-sized materials for drug delivery

16:35-17:10 Marek Grzelczak (CIC biomaGUNE, Spain)
Plasmon-based colorimetric biosensors for discrimination of single-nucleotide polymorphism

Organized by:
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