

Schedule

Location: Bari CNR, v. Amendola 122/O

December, 2nd – 2015

Theranostics

14.30-15.15 Prof. Alessandro Lascialfari (alessandro.lascialfari@unimi.it) Physics Department – Milan University **Magnetic nanoparticles for imaging in biomedicine**

15.15-16.00 Dr. Teresa Pellegrino (Teresa.Pellegrino@iit.it) Italian Institute of Nanotechnology **Inorganic nanoparticles for targeting, drug delivery and theranostic applications**

16.00-16.30 Coffee Break

16.30-17.15 Dr. Fabio Arnesano (fabio.arnesano@uniba.it) – Pharmacy Department – Bari University **Studies of protein-nanoparticles interaction by means of nuclear magnetic resonance**

17.15-18.00 Dr. Tatiana da Ros (daros@units.it) Department of Chemical and Pharmaceutical Sciences Trieste University **Carbon nanostructures for novel biomedical approaches**

18.00-20.00 Poster Session

December, 3rd – 2015

Targeting and Drug Delivery

9.00-9.45 Prof.sa Fabiana Quaglia (quaglia@unina.it) Pharmacy Department – Federico II Naples University **Overcoming biological barriers through tailored nanocarriers**

9.45-10.30 Dr. Michele Saviano (michele.saviano@ic.cnr.it) Institute of Crystallography IC - CNR **Targeting Labelled Peptide Ligands To Tumour Receptors**

10.30-11.00 Coffee Break

11.00-11.45 Dr. Stefania Sabella (Stefania.Sabella@iit.it) Italian Institute of Nanotechnology **Nanoparticles for biomedical applications and nanoregulatory issues**

11.45-12.30 Dr. Fulvio Ratto (f.ratto@ifac.cnr.it) Institute of Applied Physics Nello Carrara IFAC – CNR **Different strategies to deliver nanoparticles to tumors through bloodstream: the case of gold nanorod**

12.30-14.30 Lunch

Tissue Engineering and Regenerative Medicine

14.30-15.15 Prof. Alessandro Sannino (alessandro.sannino@unisalento.it) – Salento University **Patterned scaffolds for nerve regeneration**

15.15-16.00 Dr. Roberto De Santis (rosantis@unina.it) Institute for Polymers, Composites and Biomaterials IPCB - CNR- **Rapid prototyping of magnetic nanostructured scaffolds for guided regeneration of bone tissues**

16.00-16.30 Coffee Break

16.30-17.15 Prof. Paolo Netti (paolo.netti@iit.it)– Federico II Naples University **Cell Instructive Materials**

17.15-18.00 Prof. Norberto Roveri (roveri.norberto@gmail.com) Chemistry Department - Bologna University ***Inorganic bio and geomimetic nanoparticles for the delivery of biologically active molecules***

18.00-20.00 Poster Session

20.30 Cena Sociale

December, 4th - 2015

Analytic and Imaging tools

9.00-9.45 Prof. Enzo M. Di Fabrizio (Enzo.DiFabrizio@kaust.edu.sa) Kaust University – Saudi Arabia ***TERS: Tip enhanced Raman scattering***

9.45-10.30 Prof. A. Falqui (andrea.falqui@kaust.edu.sa) Kaust University – Saudi Arabia ***Novel SEM / TEM methods to study biomaterials***

10.30-11.00 Coffee Break

11.00-11.45 Dr. Liberato De Caro (liberato.decaro@ic.cnr.it) Institute of Crystallography IC - CNR ***Coherent and Incoherent Scanning SAXS microscopy***

11.45-12.30 Dr. Marco Sommariva (marco.sommariva@panalytical.com) PANalytical BV Almelo ***X-ray multi-analysis of nanomaterial and biomaterials with SAXS, PDF and CT***