

October, 13th

Session 4: Optical and Imaging Tools, Computing

9.00-10.00 **Dr. Dritan Siliqi**
Institute of Crystallography CNR
Combining X-ray scattering, crystallography and modelling to study complex structures

10.00-11.00 **Prof. Raimond Ravelli**
M4I, Nanoscopy Division
Maastricht University
Cryo-electron microscopy: visualising macromolecular structures in isolation as well as in action within cells

11.00-11.30 **Coffee Break**

11.30-12.30 **Prof. Martin Leahy**
School of Physics Galway University
Functional imaging for regenerative medicine

12.30-13.30 **Prof. Saverio Pascazio**
Physics Dep. University of Bari
Quantum imaging: challenges and opportunities

13.30-15.00 **Lunch**

Scientific Committee

Cinzia Giannini (CNR-IC)
Tatiana Da Ros (UNIVERSITY OF TRIESTE)
Claudio Sangregorio (CNR-ICCOM)

Organizing Committee

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Bari, 11st - 13th October 2017

SCHOOL OF NANOMEDICINE

Location: POLYTECHNIC UNIVERSITY OF BARI

V. Giovanni Amendola, 126/b Bari

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School of Nanomedicine, 11st - 13th October, 2017

October, 11st

Session 1: Nanomedicine

13.00-14.30	REGISTRAZIONE
14.30-14.45	WELCOME SPEECH
14.45-15.45	Prof. Luisa De Cola Laboratoire de Chimie et des Biomoléculaires Supramoléculaires Strasbourg University <i>Hydrogels: in vitro and in vivo applications</i>
15.45-16.45	Prof. Antonio Mazzocca Medicine Dep. University of Bari <i>A Systemic evolutionary approach to cancer: is it time for a paradigm shift?</i>
16:45-17.15	Coffee Break
17.15-18.15	Dr. Roberto Pini Institute of Applied Physics CNR <i>Perspectives on the application of light excited nano-gold and graphene for theranostics, drug delivery and sensing</i>
18.15-19:15	Prof. Massimo Fresta Dep. of Health Sciences University "Magna Græcia" of Catanzaro <i>Supramolecular nano-aggregates designed for targeted therapy</i>

October, 12nd

Session 2: Materials for Nanomedicine

9.00-10.00	Dr. Teresa Pellegrino Italian Institute of Technology Genova <i>Inorganic nanoparticles for magnetic hyperthermia and cytotoxic action: from the synthesis to their in vitro and in vivo characterization</i>
10.00-11.00	Prof. Maurizio Prato Dep. of Chemical and Pharmaceutical Sciences University of Trieste <i>Carbon-based materials for nanomedicine: drug delivery, tissue engineering and safety aspects</i>
11.00-11.30	Coffee Break
11.30-12.30	Dr. Antonella Accardo Dep. of Chemical and Pharmaceutical Sciences Federico II University of Naples <i>Peptide-based nanostructures for potential application in nanomedicine</i>
12.30-13.30	Prof. Fabiana Quaglia Dep. of Pharmacy Federico II University of Naples <i>Polymeric nanoparticles tailored for overcoming biological barriers in the Body</i>
13.30-15.00	Lunch

Session 3: Tissue Engineering

15.15-16.15	Prof. Paolo Netti Dep. of Chemical Engineering, Materials and Industrial Production Federico II University of Naples <i>Building human tissue equivalent in vitro for organ-on-chip applications</i>
16.15-17.15	Prof. Luigi Ambrosio Institute of Polymers, Composites & Biomaterials CNR <i>Smart polymer based biomaterials and additive technologies for bone tissue repair/regeneration</i>
17.15-17.45	Coffee Break
17.45-18.45	Prof. Alessandro Sannino Dep. Innovation Engineering University of Salento <i>Biomimetic nanostructured scaffolds for osteochondral regeneration: in vivo studies</i>
18.45-20:00	Poster session

DEADLINES

Early registration:	1 st September
Late registration:	20 th September
Abstract submission:	20 th September