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
M4l, 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 Lehay
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
Giuseppe Pascazio (POLYTECHNIC UNIVERSITY OF BARI)
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Michele Saviano (CNR-IC)
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Web site:
http://www.ba.ic.cnr.it/nanomedicine2017/
October, 11th
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 Biomatiériaux Supramoléculaires
Strasbourg University
Hydrogels: in vitro and in vivo applications
15.45-16.45  Prof. Antonio Mazzocca
Medicine Dep. University of Bari
A Systemic evolutionary approach to cancer: is it time for a paradigm shift?
16:45  Coffee Break
17:15-18:15  Dr. Roberto Pini
Institute of Applied Physics  CNR
Perspectives on the application of light excited nano-gold and graphene for theranostics, drug delivery and sensing
18.15-19:15  Prof. Massimo Fresta
Dep. of Health Sciences  University “Magna Græcia” of Catanzaro
Supramolecular nano-aggregates designed for targeted therapy

October, 12th
Session 2: Materials for Nanomedicine
9.00-10.00  Dr. Teresa Pellegrino
Italian Institute of Technology Genova
Inorganic nanoparticles for magnetic hyperthermia and cytotoxic action: from the synthesis to their in vitro and in vivo characterization
10.00-11.00  Prof. Maurizio Prato
Dep. of Chemical and Pharmaceutical Sciences University of Trieste
Carbon-based materials for nanomedicine: drug delivery, tissue engineering and safety aspects
11.00-11.30  Coffee Break
11.30-12.30  Dr. Antonella Accardo
Dep. of Chemical and Pharmaceutical Sciences Federico II University of Naples
Peptide-based nanostructures for potential application in nanomedicine
12.30-13.30  Prof. Fabiana Quaglia
Dep. of Pharmacy  Federico II University of Naples
Polymeric nanoparticles tailored for overcoming biological barriers in the Body
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
Building human tissue equivalent in vitro for organ-on-chip applications
16.15-17.15  Prof. Luigi Ambrosio
Institute of Polymers, Composites & Biomaterials  CNR
Smart polymer based biomaterials and additive technologies for bone tissue repair/regeneration
17.15-17.45  Coffee Break
17.45-18.45  Prof. Alessandro Sannino
Dep. Innovation Engineering
University of Salento
Biomimetic nanostructured scaffolds for osteocondral regeneration: in vivo studies
18.45-20:00  Poster session

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