



# Nanoscience and Nanotechnology

## Tuesday, 18 December 2018

### **Biomedicine - Aula Touschek (14:30 - 16:35)**

-Conveners: Fiorella Guadagni

time	[id] title	presenter
14:30	[13] Gelucire® 50/13-solid lipid nanoparticles: a colloidal carrier for hydrophilic active substances	TRAPANI, Adriana
15:00	[15] Bone reconstruction adopting innovative customized biomaterial	PERTICI, Gianni
15:30	[16] Nanotechnology in biomedicine: opportunities and challenging issues for involved workers	Dr LESO, Veruscka
16:00	[17] EGOT-based biosensing: achieving ultra high sensitivity through ion gating	BORTOLOTTI, Carlo Augusto

# Wednesday, 19 December 2018

## **Biomedicine - Aula Touschek (10:45 - 13:15)**

time	[id] title	presenter
10:45	[23] NANOFORMULATIONS FOR POLYPHENOLS. How far from bedside?	Dr MOSCA, Luciana
11:10	[24] LASiS-generated nanoantimicrobials with exceptional stability at the colloidal state	Prof. CIOFFI, Nicola
11:35	[25] Optical Nanospectroscopy for Tissue Imaging and Early Cancer Diagnostics	Dr CRICENTI, antonio
12:00	[26] Technologies for biomedical applications at Politecnico of Torino	PIRRI, Fabrizio
12:25	[27] Nanotechnological-based applications for analyses of high social interest	D'AURIA, Sabato
12:50	[28] Plasmonics and Nanomedical Challenges	Dr D'ACUNTO, Mario

# Thursday, 20 December 2018

## **Biomedicine - Aula Touschek (16:45 - 18:50)**

time	[id] title	presenter
16:45	[57] Ultrasonic High-Resolution methods for non-invasive monitoring in regenerative medicine	PETRONYUK, Yulia
17:10	[58] Composite functional nanomaterials for multimodal imaging and photo-dynamic therapy of sick tissues	CAMPIONE, Marcello
17:35	[59] Temperature-dependent aggregation of PNIPAM microgels for controlled release of macromolecules	SENNATO, Simona
18:00	[60] Scanning Microwave Microscopy in Biology	PAVONI, Eleonora
18:25	[83] Near Field Microwave Microscopy: micro and nanoscale surface and subsurface characterization of dielectric and magnetic materials	Dr SARDI, Giovanni Maria