

XIX Edizione
SCUOLA NAZIONALE DI SCIENZA E TECNOLOGIA DEI MATERIALI INSTM
"Materials science and technologies approaches to biomedical challenges"

Domenica 09-lug-17			Lunedì 10-lug-17			Martedì 11-lug-17			Mercoledì 12-lug-17		
			TOPIC 1 Nanomaterials and nanotechnology for medicine mattina	08:30-09:30	New magnetic nanomaterials with multifunctional ability in nanomedicine (part I) Anna Tampieri ISTEC-CNR	TOPIC 2 Multiscale materials fabrication mattina	08:30-09:30	3D/Bioprinting Giovanni Vozzi Centro Piaggio	TOPIC 4 Advanced testing mattina	08:30-09:30	Dynamic in vitro tests and innovation in bioreactors applied to tissue regeneration Anna Marsano University of Basel, CH
		09:30-10:30		Nanostructured materials for brain pathologies and peripheral nervous system regeneration Marco Cecchini CNR@NEST	09:30-10:30		Smart Nanostructures for drug-delivery systems Maria Letizia Focarete Università di Bologna	09:30-10:30		Characterization of nanobiomaterials surfaces Gianmario Martra Università di Torino	
		10:30-11:00		Coffee Break	10:30-11:00		Coffee Break	10:30-11:00		Coffee Break	
		11:00-13:00		Drug delivery in cancer therapy Paolo Netti Università di Napoli	11:00-12:00		Biopolymeric porous structures for tissue regeneration Luigi Botta Università di Palermo	11:00-13:00		Extra cellular matrix analogues for organoid assembly Matteo Santin University of Brighton, UK	
	dalle 16:00 alle 16:45	REGISTRAZIONE E APERTURA della SCUOLA		13:00-16:00	Pausa Pranzo		13:00-16:00	Pausa Pranzo		13:00-16:00	Pausa Pranzo
pomeriggio	16:45	Opening	pomeriggio	16:00-16:45	Bio(nano)materials for biomedical applications: from molecular design to material properties Giada Lo Re KTH Royal Institute of Technology	TOPIC 3 Modeling pomeriggio	16:00-16:45	Bioactive materials Chiara Vitale Brovarone Politecnico di Torino	plenary congiunte con CONVEGNO INSTM/AIMAT		
	17:00-19:00	2020 Medical Challenges from the materials world Luigi Ambrosio IMCB-CNR e Maria Cristina Tanzi Politecnico di Milano		16:45-17:30	Biogenic materials and biomorphic transformations Simone Sprio ISTEC-CNR		16:45-17:30	Molecular modelling of bioactive materials Maria Cristina Menziani Università di Modena e Reggio Emilia	16:00-16:45	Luminescent silicon nanocrystals and their applications in bioimaging Paola Ceroni Università di Bologna	
				17:30-18:00	Coffee Break		17:30-18:00	Coffee Break	16:45-17:15	Eumelanins: a bioinspired material for organic electronics and bioelectronics Alessandro Pezzella Università di Napoli	
				18:00-19:30	Biodegradable hollow silica nanocapsules containing ultrasmall metal nanoparticle matrix for drug delivery and photoacoustic imaging Valerio Voliani IIT@NEST		18:00-18:45	Quantistic methods applied to the chemical behavior of biomaterials Michele Pavone Università di Napoli Federico II	17:15-17:45	Coffee Break	
				18:45-19:30	Computational approaches for the modelling of nanobiomaterials Piero Ugliengo Università di Torino		18:45-19:30	Computational approaches for the modelling of nanobiomaterials Piero Ugliengo Università di Torino	TOPIC 4 Advanced testing pomeriggio	17:45-18:15	Materials and devices for neurodegenerative disorders Carmen Giordano Politecnico di Milano
						18:15-19:00	Antibacterial treatments and materials for biomedical applications Susanna Sartori Politecnico di Torino	19:00-19:45		New perspectives on the use of essential oils: development of polymeric systems for the control of bacterial growth and biofilm Antonia Nostro Università di Messina	