

Training School COST Action NAMABIO MP1005

1st Course

From nano- to macro- biomaterials (design, processing, characterization, modelling) and applications to stem cells regenerative orthopaedic and dental medicine”

20 – 22 March 2012, Hotel Internazionale – Portonovo, Ancona (Italy)



Program

	19/03/12	20/03/12	21/03/12	22/03/12	23/03/12
9h-10h	Arrival	Prof. Sasa Novak Processing of innovative biomaterials 1. Classification of biomaterials	Dr. Alessandra Giuliani Use of innovative techniques based on X-Ray Synchrotron Radiation in advanced regenerative orthopedics and orthodontics	Prof. Ranieri Cancedda	Departure
10h-11h		2. Processing of bulk implants and coatings	Prof. Christian Hellmich	Stem cell biology in bone and dental tissue regeneration Orthopedic applications	
11h-12h		3. Processing of scaffolds	Mathematical modeling in orthopaedics and dentistry:		
12h-13h		Dr. Alessandra Giuliani High resolution x-ray tomography: basic principles and applications to Biological Systems and Advanced Materials of Technological Interest.	mechanics - physics - chemistry - biology	Prof. Thimios Mitsiadis Abracadabra: "the magical mystery tooth tool-box I	
13h		Lunch	Lunch	Lunch	
16h-18h		Prof. Paolo Mengucci Structural characterisation of materials by electron microscopy techniques	Free	Abracadabra: "the magical mystery tooth tool-box" II	
20h		Dinner	Dinner	Dinner	