



International School of Nanomedicine 2nd Course



New trends in Nanomedicine

8-13 April 2017

School Directors: M. Ferrari and M. Masserini

Venue: Ettore Majorana Foundation And Centre For Scientific Culture
Via Guarnotta, 26 - 91016 Erice (Sicily) - Italy

DAY 1 - SATURDAY APRIL 8TH, 2017

Arrivals All Day

DAY 2 - SUNDAY APRIL 9TH, 2017

8.45 – 9.30	Welcome: M.C. Messa (UNIMIB Rector); M. Ferrari (School Director); M. Masserini (School Director)
9.30–10.30	Opening Lecture: M. Ferrari (HMRI) “Nano and post-nano strategies”

SESSION 1: NANOPARTICLES

Design strategy

10.30-10.45	Speaker selected from abstracts
10.45-11.30	Coffee Break and Poster Session
11.30-12.20	G. Storm (UU) “Stealth & furtivity”
12.20-13.00	Speakers selected from abstracts

13.00 -15.30 **Lunch**

Crossing barriers

15.30-16.20	M. Masserini (UNIMIB) “Nanomedicine for the therapy of brain diseases”
16.20-17.00	Speakers selected from abstracts
17.00-17.45	Coffee Break and Poster Session
17.45-18.00	Speaker selected from abstracts
18.00-18.30	Technical session
18.30-19.20	J.C. Leroux (ETH) “Oral delivery of macromolecular drugs: 100 years of attempts”

DAY 3 - MONDAY APRIL 10TH, 2017

SESSION 2: NANOTECHNOLOGY FOR THERAPY OF HUMAN DISEASES

09.00-09.50	P. Couvreur (UPS) "Design of innovative nanomedicines for cancer and neurological disorders"
09.50-10.45	Speakers selected from abstracts
10.45-11.30	Coffee Break and Poster Session
11.30-12.20	F. Stellacci (EPFL) "Nano against Virus"
12.20-13.00	Speakers selected from abstracts
13.00-15.30	Lunch
15.30-16.20	A. Villaverde (UAB) "Protein-only nanoparticles for systemic therapies"
16.20-17.00	Speakers selected from abstracts
17.00-17.50	Coffee Break and Poster Session
17.50-18.10	Speaker selected from abstracts
18.10-18.40	Technical session
18.40-19.30	G. Cavaletti (UNIMIB) "Animal models for nanomedicine"

DAY 4 – TUESDAY APRIL 11TH, 2017

SESSION 3: NANOTECHNOLOGY FOR DIAGNOSIS OF HUMAN DISEASES

09.00-09.50	R. Moresco (UNIMIB) "Nano-structured probes for PET"
09.50 -10.45	Speakers selected from abstracts
10.45-11.30	Coffee Break and Poster Session
11.30-12.20	C. Alexiou (FAU) "Medical applications of magnetic nanoparticles"
12.20-13.00	Speakers selected from abstracts
13.00-15.30	Lunch

SESSION 4: REGENERATIVE NANOMEDICINE

15.30-16.20	A. Pandit (NUI Galway) "Biological-basis for Designing Biomaterials for the Injured and Degenerated Host"
16.20-17.00	Speakers selected from abstracts
17.00-17.45	Coffee Break and Poster Session
17.45-18.00	Speaker selected from abstracts
18.00-18.30	Technical session
18.30-19.30	N. Benkirane-Jessel (INSERM) "Living Implant Fortified with active therapeutics and Stem cells for Regenerative NanoMedicine"

20.00	BANQUET
--------------	----------------

DAY 5 – WEDNESDAY APRIL 12TH, 2017

SESSION 5: IMMUNOGENICITY, TOXICITY AND SAFETY OF NANOPARTICLES

09.00-9.50	P. Boisseau (ETPN) “Ups and downs of translating nanomedicines to the market; The EU Nanomedicine Translation Hub“
09.50-11.30	Speakers selected from abstracts
10.45-11.30	Coffee Break and Poster Session
11.30-12.20	W. Wenzel (KIT) “Simulation in Nanomedicine: from Physiochemical Properties to Toxicity”
12.20-13.00	Speakers selected from abstract
13.00-14.00	Lunch
14.00	EXCURSION nearby Erice

DAY 6 – THURSDAY APRIL 13TH, 2017

Departure from Erice