

Useful information about oral presentations, poster exhibition, awards and Job Day are available at:

<http://www2.bioscienze.unipr.it/nano-day/>



Venue

Centro congressi
Aule delle Scienze (Pad. 25)
Campus delle Scienze e delle Tecnologie
Parco Area delle Scienze, 43124 Parma

Contact: nanoday@unipr.it

@ParmaNanoDay

SCIENTIFIC COMMITTEE

- Prof. Andrea Caneschi* - INSTM Director, UniFL
Prof. Maria Careri - Dept. Chemistry, Life Sciences and Environmental Sustainability, UniPR
Prof. Paolo Cescon - Institute for the Dynamics of Environmental Processes (IDPA-CNR), Venice
Prof. Attilio Corradi - Dept. Veterinary Science, UniPR
Prof. Antonio D'Aloia - Director of the Centre of Bioethics, UniPR
Prof. Roberto De Renzi - Dept. Mathematical, Physical and Computer Sciences, UniPR
Prof. Giorgio Dieci - Dept. Chemistry, Life Sciences and Environmental Sustainability, UniPR
Prof. Giovanni Franceschini - Vice Rector, Dept. Engineering and Architecture, UniPR
Prof. Rinaldo Garziera - Dept. Engineering and Architecture, UniPR
Prof. Alessandro Mangia - Dept. Chemistry, Life Sciences and Environmental Sustainability, UniPR
Prof. Antonio Mutti - Dept. Medicine and Surgery, UniPR
Prof. Luca Di Nella - Dept. Economics and Management, UniPR
Prof. Ludovico Valli - Dept. Biological and Environmental Science and Technology, UniSalento

STEERING COMMITTEE

- Prof. Elena Maestri* - Dept. SCVSA, UniPR
Prof. Stefano Selleri - Dept. Engineering and Architecture, UniPR
Prof. Marina Caldara - Dept. SCVSA, UniPR
Prof. Marta Marmiroli - Dept. SCVSA, UniPR
Prof. Roberta Ruotolo - Dept. SCVSA, UniPR
Dr. Michela Janni - IMEM-CNR
Dr. Alessia Comastri - Dept. SCVSA, UniPR
Dr. Sara Graziano - Dept. SCVSA, UniPR
Dr. Davide Imperiale - Dept. SCVSA, UniPR
Dr. Giacomo Lencioni - Dept. SCVSA, UniPR
Dr. Francesca Mussi - Dept. SCVSA, UniPR
Dr. Laura Paesano - Dept. SCVSA, UniPR
Dr. Luca Pagano - Dept. SCVSA, UniPR
Dr. Graziella Pira - Dept. SCVSA, UniPR

With the kind collaboration of:

- Dr. Guido Giombi* - C.I.R.E.A., UniPR
Dr. Licia Gambarelli - U.O. Ricerca Competitiva, UniPR
Dr. Marina Cassano - U.O. Ricerca Competitiva, UniPR
Dr. Doretta Fava - U.O. Placement e Rapporti con le Imprese, UniPR
Dr. Mimmo Cavalca - Dept. SCVSA, UniPR

Patronage



Ministero delle
politiche agricole
alimentari e forestali



UNIVERSITÀ
DI PARMA



3rd “PARMA” NANO-DAY

THE EVENT THAT BRINGS TOGETHER STUDENTS,
RESEARCHERS, ENTERPRISES

July 12-14, 2017



Centro congressi, Aule delle Scienze
Campus delle Scienze e delle Tecnologie
Università di Parma

ORGANIZERS

- Prof. Nelson Marmiroli* - Dept. SCVSA, UniPR
Dr. Salvatore Iannotta - IMEM-CNR, Parma

Wednesday, 12 July

08:30	Registration (registration area)
09:00	Introduction of the organizers (congress hall) Prof. Nelson Marmiroli (UniPR) and Dr. Salvatore Iannotta (IMEM-CNR) Authorities welcome and remarks
09:30	Round Table. "Technologies and Sustainable development"
	<p>Organizer Prof. Nelson Marmiroli</p> <p>Moderator Vittoriano Zanoli - Direttore, "La Provincia" di Cremona e Crema</p> <p>Speakers Prof. Giovanni Franceschini - Rettore Vicario, UniPR Dr. Simona Caselli - Assessore all'agricoltura, caccia e pesca, Regione E-R Dr. Palma Costi - Assessore alle attività produttive, Regione E-R Dr. Flavia Barone - Istituto Superiore di Sanità, Roma Dr. Alberto Manzo - Ministero delle Politiche Agricole Alimentari e Forestali (MIPAAF) Dr. Andrea Pontremoli - Dallara S.p.A., Parma Prof. Paolo Cescon - IDPA-CNR, Venezia Dr. Lanfranco Masotti - Presidente, Consorzio Italbiotec, Milano Dr. Francesco Paolo Ausiello - Direttore Tecnico, ASTER Prof. Antonio D'Aloia - Direttore Centro Bioetica, UniPR</p>
13:00	Lunch break
14:00	Poster exhibition (poster area)
14:30	Job Day (congress hall and Industry dedicated area, 1st floor) "Industries meet students and young researchers"
	<p>Moderator Prof. Sara Rainieri (UniPR)</p>
16:30	Project Session (congress hall)
	<p>Moderators Prof. Enrico Dalcanale (INSTM) and Dr. Salvatore Iannotta (IMEM-CNR)</p> <p>Projects SUPRANANO – Prof. Enrico Dalcanale (INSTM) INTENSE – Prof. Elena Maestri (UniPR) TERMOREF – Prof. Francesco Basile (CIRI EA, UniPR) Nano²Fun – Prof. Anna Painelli (UniPR) SUPERSITO – Dr. Stefano Zauli Sajani (Center for Environment and Health, ARPAE E-R) Smart-PV – Dr. Massimo Mazzer (IMEM-CNR) Refrigerazione Magnetica – Dr. Simone Fabbrici (MIST E-R) and Dr. Franca Albertini (IMEM-CNR)</p>
18:00	

Thursday, 13 July

08:30	Registration (registration area)
	Session I. Technologies and Applications (congress hall) Chairmen: Prof. Roberto De Renzi (UniPR) and Prof. Rinaldo Garziera (UniPR)
09:00	Plenary lecture - Dr. Ciro Chiappini (King's College London, UK). Engineering high aspect ratio nanostructures to direct cell fate
09:25	Oral Communication - Prof. Daniele Pontiroli (UniPR). Carbon Nanostructures for Energy Applications
09:40	Oral Communication - Dr. Simone Fortunati (UniPR). Amperometric genosensor based on PNA probes implemented on carbon nanotubes-modified screen printed electrodes
09:55	Oral Communication - Dr. Valeria Caponetti (UniBO). Fluorescent nanoaggregates by self-assembly of amphiphilic perylene bisimides for sensing pH and anions in water
10:10	Oral Communication - Prof. Rosaria Rinaldi (IMEM-CNR). Multi-shape hydrogel-nanostructures: microfluidic-assisted approach
10:25	Oral Communication - Dr. Carlo Molardi (UniPR). Design of micro-structured fiber for improved high power laser operation
10:40	Oral Communication - Dr. Carlotta Peruzzi (IMEM-CNR). Full plastic organic electrochemical transistors with graphene-metal nanoparticle composites as gate electrodes: a benchmark towards the intrinsic selectivity
11:00	Coffee break
11:20	Invited speaker - Prof. Luca Vincetti (UniMORE). Microstructured Fibers for label-free DNA detection
11:40	Poster Presentation Session A. Technologies, Chemistry and Physics (congress hall) Chairmen: Prof. Maria Careri (UniPR) and Dr. Andrea Zappettini (IMEM-CNR)
13:00	Lunch break
13:45	Poster vision and evaluation (poster area)
	Session II. Regulation and Economics (congress hall) Chairmen: Prof. Luca Di Nella (UniPR) and Dr. Soren Bowadt (European Commision, DG Research & Innovation)
14:30	Plenary lecture - Dr. Soren Bowadt (European Commision)
15:00	Miniplenary - Prof. Daniele Ruggiu (UniPD). Towards a overall regulation of nanotechnologies: is the devil in the detail?
15:20	Invited speaker - Dr. Dania Esposito (ISPRRA, Roma). Nanomaterials and EU Regulation on Chemicals. Approach to the environmental risk assessment
15:35	Invited speaker - Prof. Cesare Galli (UniPR). IP Protection of Nanotechnology: Patents Vs Open Source - Pros and Cons
15:50	Oral Communication - Dr. Maria Chiara Errigo (UniPR). The Nanotechnologies in the food sector: the European regulation
16:05	Short Communication - Prof. Elena Maestri (UniPR). Nanotechnologies in agri-food: lessons learned from transgenic organisms
16:15	Coffee break
16:40	Poster Presentation Session B. Medicine, Health, Drugs and Veterinary Medicine (congress hall) Chairmen: Prof. Ruggero Bettini (UniPR) and Prof. Giorgio Dieci (UniPR)
18:00	

Friday, 14 July

08:30	Registration (registration area)
	Session III. Agri-food, Environment and Biotechnologies (congress hall) Chairmen: Prof. Marta Marmiroli (UniPR) and Dr. Jason C. White (The Connecticut Agricultural Experiment Station, CAES; New Haven, CT, USA)
09:00	Plenary lecture - Dr. Jason C. White (CAES, USA). Nanomaterials and the Food Supply: Assessing the Balance Between Applications and Implications
09:30	Miniplenary - Dr. Giovanna Zappa (ENEA)
09:50	Oral Communication - Dr. Michela Janni (IMEM-CNR). Bioristor: an <i>in vivo</i> biosensing, biomimetic electrochemical transistor with applications in plant science and precision farming
10:05	Oral Communication - Dr. Alessia Favero (UniPR). Tetraphosphonate Cavitands recognition in water: from amino acids to histone camouflage
10:20	Oral Communication - Dr. Manon Auguste (UniGE). PANDORA: probing safety of nano-objects by defining immune responses of environmental organisms
10:35	Oral Communication - Dr. Chiara Lico (ENEA). A biodistribution study of two differently shaped plant virus nanoparticles reveals new peculiar traits
10:50	Short communication - Dr. Luca Pagano (UniPR). Physiological and molecular response <i>Cucurbita pepo</i> exposed to ENM binary combinations
11:00	Coffee break
11:20	Invited speaker - Prof. Luca Marchiol (UniUD). Phytonanotechnology: a new horizon to food security
11:40	Poster Presentation Session C. Agri-food, Environment and Biotechnologies (congress hall) Chairmen: Dr. Rita Baraldi (IBIMET-CNR) and Prof. Elena Maestri (UniPR)
13:00	Lunch break
13:45	Poster vision and evaluation (poster area)
	Session IV. Medicine and Health (congress hall) Chairmen: Prof. Rosaria Rinaldi (IMEM-CNR) and Prof. Antonio Mutti (UniPR)
14:30	Plenary lecture - Dr. Isabella De Angelis (Istituto Superiore di Sanità)
15:00	Miniplenary - Prof. Michele Miragoli (UniPR). Recovery of cardiac impulse propagation in ischemic rat heart via silicon carbide conductive nanowires (SiC-NW)
15:20	Oral Communication - Dr. Gregorio Marchiori (Rizzoli Orthopedic Institute). 3D printing of novel PCL/bioactive glass scaffolds for bone tissue regeneration: nanoindentation and finite element analyses
15:35	Oral Communication - Dr. Alessandra Procopio (UniBO). Quantitative determination of dye doped silica nanoparticles in cancer cells
15:50	Oral Communication - Dr. Nicolò Riboni (UniPR). Odorant binding protein-functionalized superparamagnetic nanoparticles for biomedical applications
16:05	Oral Communication - Dr. Gloria Zaccariello (UniVE). Growth of Bismuth Titanate into mesoporous silica nanoparticles: a new safe self-sealing UV filter for cosmetic formulations
16:20	Short Communication - Dr. Laura Paesano (UniPR). microRNAs transcriptional regulation in human cells exposed to CdS QDs
16:30	Poster awards (congress hall) Chairmen: Prof. Giorgio Pagliari (Senatore) and Dr. Andrea Zanlari (Presidente, Camera di Commercio Parma)
17:00	Conference closure by organizers
18:00	Scientific Happy Hour