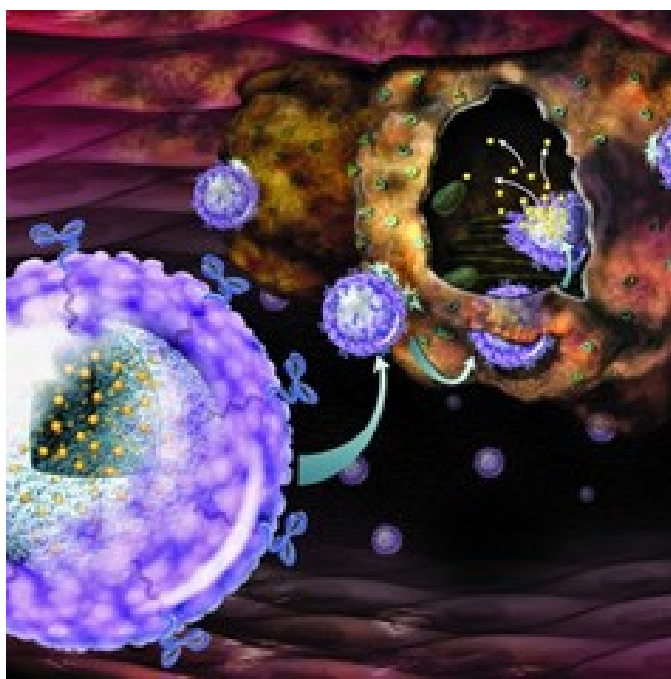


Nanomedicine Symposium CEN@UniMiB

Towards translation and European networking

October 18th, 2016
University Milano-Bicocca,
Aula Martini

Cover illustration, courtesy of Millennium Technology Prize



Organized by:

Fondazione
CEN Centro Europeo
Nanomedicina

UNIVERSITA' DEGLI STUDI
DI MILANO
BICOCCA

Scientific Program

08:30–09:00 Registrations

09:00–09:30 Welcome addresses

Cristina Messa, Rector of the University Milano-Bicocca

Luca Del Gobbo, Minister for University, Research and Open Innovation, Regione Lombardia

Piercesare Secchi, President of CEN Foundation

Opening lecture **Nanomedicine in Europe**

Chair: **Francesco Nicotra**, CEN Scientific co-Director and University Milano-Bicocca

09:30–10:00 **Patrick Boisseau**, ETPN, *A general overview on the state of the art and perspectives of nanomedicine: the ETPN vision.*

SESSION I – Nanomedicine, from lab to market

Chair: **Maurizio Masi**, CEN Scientific co-Director and Politecnico di Milano

10:00–10:20 **Francesca Re**, AmyppoPharma: *Nanomedicine-based therapy for Alzheimer's disease: mission possible for AmyppoPharma S.r.l.?*

10:20–10:40 **Tommaso Bellini**, ProXentia, *Reflective Phantom Interface, a new technology for label-free molecular detection*

10:40–11:20 Coffee break and poster session

SESSION II – Nano-Therapeutics

Chair: **Anna Bernardi**, CEN Foundation and University of Milano

11:20–11:40 **Luigi Lay**, University of Milano, *Engineered glyconanoparticles as vaccines delivery systems*

11:40–12:00 **Maria Gregori**, University Milano-Bicocca, *Design of nanoparticles for the treatment of brain tumors*

12:00–12:20 **Maria Grazia De Simoni**, Mario Negri Institute, *Pseudoglycodendrimers as tools in complement-mediated injury*

12:20–12:40 **Patrizia Sommi**, University of Pavia, *Ce(III)/Ce(IV) Ratio of Ceria Nanoparticles in Human Cells*

12:40–13:00 **Paolo Zunino**, Politecnico di Milano, *Multi-scale and multi-physics approaches for predicting the transport of molecules, nanoconstructs and cells in neoplastic tissues*

13:00–14:30 Lunch and poster session

SESSION III Nano-Diagnostics

Chair: **Furio Gramatica**, CEN Foundation and Don Gnocchi Foundation

14:30–14:50 **Filippo Caracciolo**, University of Pavia, *Dynamic Nuclear Polarization of Organic Molecules for Molecular Imaging Applications*

14:50–15:10 **Renzo Vanna**, Don Gnocchi Foundation, *Toward the development of a nanobiosensor for the PCR-free detection of miRNAs related to the progression of Multiple Sclerosis*

15:10–15:30 **Pierangelo Metrangolo**, Politecnico di Milano, *Fluorinated smart reporters as innovative imaging tools*

15:30–15:50 **Luigi Falciola**, University of Milano, *Photo-renewable nanostructured electroanalytical sensor for neurotransmitters detection in body fluid mimics*

15:50–16:30 Coffee break and poster session

SESSION IV Regenerative Medicine

Chair: **Livia Visai**, CEN Foundation and University of Pavia

16:30–16:50 **Laura Cipolla**, University Milano-Bicocca, *Nanostructured and self-healing materials for tissue regeneration*

16:50–17:10 **Giuseppina Sandri**, University of Pavia, *Nanocomposite based on halloysite and chitosan oligosaccharide for skin reparation*

17:10–17:30 **Filippo Rossi**, Politecnico di Milano, *Selective nanovector mediated treatment of activated microglia as promising tool in spinal cord injury*

17:30–17:50 **Giacomo Dacarro**, University of Pavia, *Antibacterial green-synthesized silver nanoparticles for wound-healing*

17:50–18:00 Concluding remarks

Contacts
Michelle van der Schoot
E-mail: info@nanomedicen.eu
Phone: +39 02 2399 9113