

## GENERAL INFORMATION

*Nanomedicine is the field that, in the near future, is expected to deliver radical changes in the way we diagnose and treat diseases and regenerate tissues and bones. The aim of the “Fondazione Centro Europeo di Nanomedicina” (CEN Foundation) is to network the relevant expertise in Nanomedicine in the Lombardy region, favouring translation towards clinic and industry.*

*In this fourth edition of the CEN International Symposium on Nanomedicine, speakers will present results and perspectives of CEN research and translation.*

## VENUE

The conference will be held at the University of Milano-Bicocca, in Piazza dell'Ateneo Nuovo 1, Milan; Aula Martini (Room U6-04).

## LANGUAGE

The official language will be English.

## PARTICIPATION

Participation is free but online registration is required at [www.nanomedicen.eu](http://www.nanomedicen.eu). Admittance is limited to the room capacity at all times.

Organized by:



**Nanomedicine Symposium  
CEN@UniMiB**

*Towards translation and  
European networking*

**Milan, October 18<sup>th</sup>, 2016**

Università Milano-Bicocca  
Aula Martini

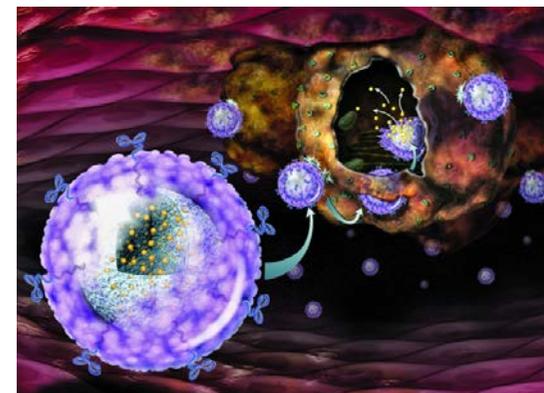


Illustration from [www.nanoparticles.org](http://www.nanoparticles.org).

## CONTACTS

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## SCIENTIFIC PROGRAM

**08:30–09:00** *Registration*

**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 the CEN Foundation

*Opening lecture Nanomedicine in Europe*

*Chair: Francesco Nicotra, CEN Scientific co-Director*

**09:30–10:00** **Patrick Boisseau**, European Technology Platform  
for Nanomedicine, *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*

**10:00–10:20** **Francesca Re**, AmyoPharma, *Nanomedicine-  
based therapy for Alzheimer's disease: mission possible for  
AmyoPharma 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**

*Closing remarks*