GENERAL INFORMATION

VENUE
The conference will be held at the Politecnico di Milano-Aula Rogers, Via Ampère 2, 20133, Milan, Campus Leonardo

LANGUAGE
The official language will be English.

PARTICIPATION
Participation is free but registration is required at info@nanomedicen.eu. Admittance is limited to the room capacity at all times.

HOTEL ACCOMODATION
Selected list of hotels close to the venue:
Hotel Gamma (3 stars, www.hotelgammamilano.it)
Hotel Lombardia (3 stars, www.hotellombardia.com)
Hotel Lugano (3 stars, http://luganohotel.net)
Hotel San Francisco (3 stars, www.hotel-sanfrancisco.it)
Hotel Vienna (3 stars, www.hotelviennamilano.com)
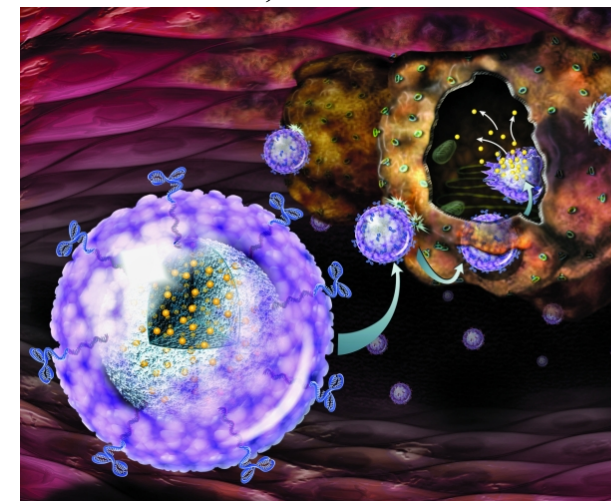
Organized by:

Supported by:

CONTACTS
Michelle van der Schoot
E-mail: info@nanomedicen.eu
Conference website: http://nanomedicen.eu
Phone: +39 02 2399 9113

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Nanomedicine Symposium CEN@Politecnico
Synthesis of nanomaterials, biological applications and modelling

November 14, 2014

Nanomedicine is the field that is expected, in the near future, to deliver radical changes in the way we diagnose and treat diseases. The aim of the "Fondazione Centro Europeo Nanomedicina" (CEN Foundation) is to develop innovative solutions for the prevention, diagnosis and treatment of diseases, establishing in the Lombardy region an internationally recognised centre of excellence in nanomedical research and building a truly interdisciplinary and synergic network among its partners; its focus in the first phase of activity is on cancer, cardiovascular and neurological diseases.

With this event the CEN Foundation and Politecnico di Milano invited international and national experts in the field and establish themselves at the forefront of the discipline.

SCIENTIFIC PROGRAM

9:00 - 9:30 *Welcome addresses*
Giovanni Azzone
Chancellor of the Politecnico di Milano
Adriano De Maio
President of the CEN Foundation
Maurizio Masi
Scientific Director of the CEN Foundation
Carlo Corti
DG Industry, Research and Innovation, Regione Lombardia

SESSION I
Chair: **Pierangelo Metrangolo**, Politecnico di Milano

9:30 – 10:00 Luisa De Cola, University of Strasbourg "*Dynamic and hybrid materials for biomedical applications*"

10:00 - 10:30 Wolfgang Parak, University of Marburg, "*Physico-chemical properties of colloidal nanoparticles and their interaction with cells*"

10.30-11.00 Debora Berti, University of Florence, "*Non-specific Interactions of Engineered Nanostructures with Model Cell Membranes: a physico-chemical perspective*"

11:00 - 11:20 *Coffee break*

SESSION II
Chair: **Francesca Baldelli Bombelli**, CEN Foundation and Politecnico di Milano

11:20-11.50 Paolo Netti, Italian Institute of Technology IIT, "*Nanoengineered cell instructive materials*"

11:50-12:20 Victor Puntes, Catalan Institute of Nanoscience and Nanotechnology, "*Medical Nanochemistry, the use of reactive inorganic nanoparticles in medicine*"

12:20–12.50 Michela Matteoli, CNR Institute of Neuroscience and University of Milan, *Functionalized nanoparticles for glioblastoma targeting*

12:50 - 14:15 *Lunch*

SESSION III
Chair: **Francesco Cellesi**, CEN Foundation and Fondazione IRCSS Ca' Granda Ospedale Maggiore Policlinico

14:15 - 14:45 Pier Giuseppe Pelicci, European Istitute of Oncology and University of Milan,, "*Biological and Genomic Heterogeneity of Cancer*"

14:45 – 15:15 Francesco Stellacci, École Polytechnique Fédérale de Lausanne, "*Nanomaterials and Transmissible Diseases*"

15:15 – 15:45 Silke Krol, Neurological Institute "Carlo Besta", "*Nanoparticle biodistribution-the BBB and secondary organ accumulation.*"

15:45-16:00 *Coffee break*

SESSION IV
Chair: **Pasquale Ciarletta,** CEN Foundation and Politecnico di Milano

16:00 - 16:30 Triantafyllos Stylianopoulos, University of Cyprus, "*Normalizing solid tumors to enhance nanotherapy*"

16:30 - 17:00 Giuseppe Chirico, University of Milan-Bicocca, *"Cross-correlation image microscopy for flow mapping in biomedical studies"*

17:00 -17.30 Davide Ambrosi, Politecnico di Milano, *Mechanobiology at a cell scale*

17:30 *Concluding remarks*