

Fondazione Don Gnocchi “UPDATES IN NANOMEDICINE” series

Nanomedicine: common keywords for a better understanding

Milano, Fondazione Don Gnocchi, October 13th, 2010

The emerging field of nanomedicine, deriving from highly promising applications of micro- and nanotechnologies to solve unmet clinical needs, has reached the media attention threshold without a crystal clear communication of keywords and vision to clinicians. This discipline still seems to be dominated by hard sciences experts, without taking into serious account the medical doctors’ perspective and resembling a technology push more than a pull from actual needs looking for realistic solutions. In other words, there is a risk of failure or delay of effective and powerful improvements, due to a cultural gap, also inducing big industry to keep a cautious position.

The series of events, promoted by Don Gnocchi Foundation, named “Updates in Nanomedicine” is aimed at communicating and discussing the latest achievements of nanotechnologies applied to medicine firstly to physicians, biologists and pharmacists, but also to physicists and engineers working in a clinical environment. Don Gnocchi Foundation – holding a network of hospitals and scientific institutes since 60 years – is active in the nanomedicine research and policy making at European level since 2005 through its Polo Tecnologico, as a co-founder of European Technology Platform of Nanomedicine.

The first workshop, to be held in October 2010, opens the series by giving to attendees an “alignment” overview on nanomedicine, including a description of the effort being done at European level and a tutorial description of some relevant achievements of R&D in this field. In particular, introductory lectures will be given on the main challenges in nanomedicine, like nanodiagnostics, nanopharmaceuticals, micro- and nano-devices (including nanoapplications of biophotonics) and nanocarriers. As well, potential drivers and roadblocks in nanomedicine exploitation will be considered, including some considerations on ethical, legal and socio-economical aspects of nanomedicine.

Agenda

9.00 – 9.30 Registration

9.30 – 9.45 Welcome address

9.45 – 10.15 An introduction to nanomedicine (*Furio Gramatica, Don Gnocchi Foundation*)

10.15 – 10.45 Nanodiagnostics (*Patrick Boisseau, CEA*)

----- *Coffee break* -----

11.15 – 11.45 Nanopharmaceuticals, from research to industry (*Mike Eaton, ETP Nanomedicine*)

11.45 – 12.15 Biohybrid nanoparticles for biomedical applications (*Davide Prosperi, Univ. Milano Bicocca*)

12.15 – 12.45 Micro- and nanodevices for medical applications (*Marzia Bedoni, Don Gnocchi Foundation*)

12.45 – 13.00 Discussion

----- *Lunch* -----

14.00 – 14.30 Ethical, legal and socio-economical aspects of nanomedicine (*Klaus M. Weltring, Bioanalytik-Muenster*)

14.30 – 15.00 Nanomedicine: a systemic approach to understanding health and disease at molecular level (*Alfredo Gorio, Università degli Studi di Milano*)

15.00 – 15.30 Abraxane – The first approved Cancer Nanotherapeutic (*Neil Desai, Abraxis Bioscience LLC*)

15.30 – 16.00 A Lombardy experience: the Nanomedicine European Centre (*Marco Foiani, IFOM*)

16.00 – 16.30 Roundtable: how far is nanomedicine from patients' bed ?

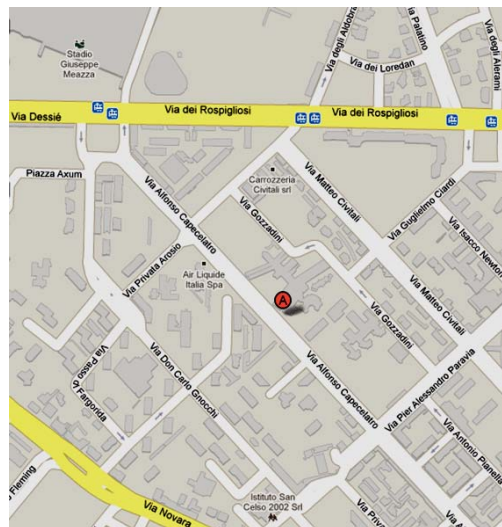
Conclusion and Questionnaire for ECM accreditation of participants

Venue & Organisational details



The workshop will be held on **October 13th** in **Milan (Italy)** at **Don Gnocchi Foundation**

Venue: Fondazione Don Gnocchi, IRCCS. S.M.Nascente – Via Capecelatro, 66 –Milan



For any question regarding organisational aspects, please refer to the local organising secretariat (Ms. Jessica Matera, segreteria.politecnologico@dongnocchi.it, Tel. nr. +39 02 40308305).

Looking forward to meeting you in Milan.

Dr. Furio Gramatica
Don Gnocchi Foundation