

DESCRIPTION

Translation of nanotechnology into medical practice, specifically in the field of oncology, has been widely investigated in the recent years. The physical and chemical properties of some new nanoparticles are promising tools to serve as the basis for superior imaging probes of cancerous lesions and as vehicles to deliver therapeutics preferentially to those lesions. Moreover, these new multimodal nanoplatforms are highly versatile components of the emerging trend toward personalized medicine. Therefore, imaging diagnosis and therapy could be combined employing these sophisticated nano-theranostic agents in Nuclear Medicine, US, CT and MRI. This workshop deals with these multidisciplinary new horizon potentially able to transform the traditional diagnostic imaging disciplines toward a new strong therapeutic commitment of Imaging Professionals.

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LIFE FROM INSIDE

March 22, 2013

IMAGING & THERAPY

New routes toward
Imaging, Theranostics
and Cell Therapy

CDI Centro Diagnostico Italiano
via Saint Bon 20, Milano

SCIENTIFIC PROGRAM

- 8,30 Introduction - *S. Papa*
- Workshop Chairman: S. Aime*
- 9,00 New frontiers in Molecular Imaging
S. Aime
- 9,30 New Horizons in Nanomedicine
Technology - *N. Tsapis*
- 10.00 Cell Imaging for cell therapy - *J.W.M. Bulte*
- 10.30 Passive vs.active targeting
using image-guided nanomedicines
T. Lammers
- 11.00 Coffee Break
- 11,30 Imaging of cell distribution, viability
and differentiation by reporter genes
L. Ottobri
- 12,00 Microbubbles Imaging
and Therapeutic Perspectives - *L. Solbiati*
- 12,30 Drugs and Genes delivery using
Microbubbles - *F. Tranquart*
- 13.00 Lunch
- 14,00 IMsAT Nanoporation Project Perspectives
in MRgFUS in drug delivery - *A. Melzer*
- 14,30 US activated vascular permeability
monitored with MRI - *C.Moonen*
- 15,00 Discussion
- 15,30 Coffee Break
- 16,00 Round Table: Translational issues
Chairman : G. Cornalba
- 16,00 Consiglio Nazionale Ricerche - *G. Mancini*
- 16,30 Italian Institute of Technology - *A.Bifone*
- 17,00 Pharmacological Research - *A.Maiocchi*
- 17,30 Discussion

ADVISORY BOARD

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REGISTRATION/ACCREDITATION

IMAGING & THERAPY
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When: 22th march 2013
Venue: Congress Room
of CDI Centro Diagnostico Italiano
Via Saint Bon 20, Milano
Official Language: English

Free online Registration: to register, please
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