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European Commission



Scuola Superiore Sant'Anna



Università di Modena e Reggio Emilia



Consorzio Nazionale Interuniversitario
per le Scienze Fisiche della Materia

The EC DIPNA Project Members
and the EC NMP - cluster on NanoTox-Safety Cluster
and the Scuola Superiore Sant'Anna of Pisa

announce the
WORKSHOP

**"METHODS AND SIMULATION TESTS IN
NANOTOXICOLOGY"**



Joint Meeting of the NanoTox-Safety Cluster and
DIPNA Project members

Aula Magna della Scuola Superiore Sant'Anna
Piazza Martiri della Libertà 33
PISA (ITALY)

October, 8th and 9th 2009

Conference Objectives

The Workshop will present the final results of the FP6-NMP DIPNA Project, the positions and perspectives in the field of Nanotoxicology and the *in-vitro* and *in-vivo*-developed tests to assess the possible toxicity of nanoparticles.

The priorities are set for the development of common and standardized protocols, the limits of the current tests, novel toxicological methods and simulation tests to reproduce repeated and chronic exposures.

The workshop will allow nanotechnologies' stakeholders, scientists and policy makers, to share their views also in view of future calls. The members of the Nanosafety Cluster, organized by Dr. G. Katalagarianakis (*NMP Research Programme Officer*), will attend.

A special session of brokerage for the next joint calls with USA will be held.

Who should attend?

The workshop is addressed to nanotoxicologists, nanotechnologists, policy makers, stakeholders, International, EU and Member State officers and policy makers, consumer associations, industry, risk management specialists, journalists.

Technical content

- *In vitro* tests (citotoxicity, immunology, genetics, etc.)
- *In vivo* (aquatic, soil organisms and animals) tests
- Toxicological biomarkers
- Reference cell cultures, materials and animals
- *In vitro* and *in vivo* simulation tests
- Modelling and simulation
- Validation procedures for tests standardization

Agenda of the 2-day workshop

October, 8th

- 9.00- 9.30 Registration of the participants
9.40 Welcome to the participants
G. Katalagarianakis (*Research Programme Officer*)
A. M. Gatti (*DIPNA Coordinator*)
M. C. Carrozza (*Director of Scuola Sant'Anna*)

Morning session The DIPNA session

- Chair: **M. G. Cacace** (*Stem Cell Research Center , CNR, IT*)
10.00 Introduction to DIPNA Project
10.15 Biological results
A. Duschl, D. Boraschi, I. Nelissen, F. Rossi
11.30 Technological results
Dr. V. Puntès, Dr. E. Di Fabrizio
12.30 Lunch

Afternoon session : The DIPNA session

- Chair: **M. G. Cacace** (*Stem Cell Research Center , CNR, IT*)
14.30 Technological results
H. Thielecke, K. Wittmaack, G. Voirin, A. Gatti
16.15 Coffee break

Afternoon session: The *in vitro* and *in vivo* biological tests session

- Chair: **M. Dusinska** (*Norwegian Institute for Air Research, NO*)
16.30 Round Table on "Biological *in vitro* and *in vivo* tests cells, soil and aquatic organisms"
18.30 Closing remarks
20.00 Social Dinner at "Osteria dei Cavalieri"

October, 9th

Morning session: Modelling and Simulation session

- Chair: **I. Lynch** (*School of Chemistry and Chemical Biology, University College Dublin, IE*)
M. Riediker (*Institute for Work and Health, CH*)
8.30- 10.30 Impact on health and environment: Round Table on research priorities
10.30-10.45 Coffee break

Morning session: The Nanotox-Safety Cluster session

- Chair: **L. Tran** (*Institute of Occupational Medicine, UK*)
10.45- 12.45 G. Katalagarianakis
Brokerage for the joint call with USA on MS Call topic technical content.
Proposal ideas presentation (10 min; 5 slides max); discussion; collaboration; synergies
12.45-14.15 Lunch

Afternoon session : The Nanotox-Safety Cluster session

- Chair: **M. Liley** (*Swiss Center for Electronics and Microtechnology, CH*)
14.15 -16.30 Next steps on strategy and roadmapping for the cluster and future NMP topics; Cluster tasks; leaders and working groups; The platform NANOFUTURES; Research roadmapping; Priorities; next NMP topics
16.30 -16.45 Coffee break

Afternoon session : The " Consensus" session

- Chair: **A. Gatti** (*CNISM*)
16.45- 18.00 Round table on Consensus report
18.15 Closing remarks