

Venue

**Centro Congressi FAST
(Piazzale Morandi 2, 20121 Milano, Italy)**



ORGANIZING SECRETARIAT

IANTRA s.r.l.

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REGISTRATION FEE*

Payment received	before	after
	Oct. 15, 2010	Oct. 15, 2010
Members (ECOPA, IPAM)	€ 150	€ 180
Non Members	€ 200	€ 250
Students**	€ 100	€ 100

The meeting fee includes attendance at the scientific program, abstract book, coffee breaks and working lunch. Please, refer to the registration form for payment details and procedures. For information on Hotel accommodation in Milan, Participants should contact IANTRA s.r.l.

*Enclosed VAT or IVA

**The applications for reduced fees for students have to be accompanied by a formal letter from their academic institution, testifying their status.

Toxicity testing is posing increasing challenges to health care, industry, the research community, as well as the society as a whole. The complexity of issues at stake is matched by the recognition of theoretical, operational, methodological, and economical constraints that may hamper the efficacy of current procedures in toxicity testing. Likewise, the same constraints have been a powerful drive for the development of new methods, technologies, and scientific approaches to tackle difficulties and overcome bottlenecks.

The importance of understanding the possible adverse consequences of animal and environmental exposure to new agents, the recognition that individuals are exposed to complex mixtures of toxic compounds in the real world, the implementation of the REACH Regulation in the EU, are just a few examples of the challenges that demand further developments in toxicity testing at many levels.

Building up on recent advances in bio-medicine and biotechnology, the US National Research Council has issued a report entitled "*Toxicity testing in the 21st century - A vision and a strategy*", describing a transformative paradigm shift in toxicity testing, "...(1) to provide broad coverage of chemicals, chemical mixtures, outcomes, and life stages, (2) to reduce the cost and time of testing, (3) to use fewer animals and cause minimal suffering in the animals used, and (4) to develop a more robust scientific basis for assessing health effects of environmental agents."

This workshop is intended to foster discussions aimed at supporting thinking, research activities and action in the area of toxicity testing, in a perspective of alternative strategies based on the paradigm shift from analysis of apical end-points in animal system towards a clarification of toxicity pathways using cells or cell lines.

Scientific and organizing committee

Isabella De Angelis
Franca Fassio
Adela Lopez de Cerain
Luca Nava
Gian Paolo Rossini
Anna Laura Stamatii

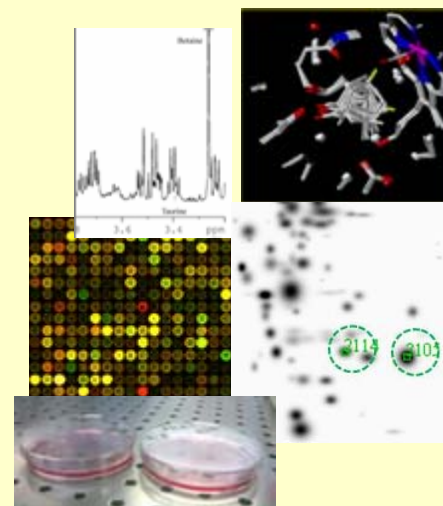
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ecopa

Toxicity Testing in the 21st Century and Alternative Methods



Workshop organized by
**Italian Platform on Alternative Methods
European Consensus-Platform for Alternatives**
and
ECOPA Annual General Assembly

Milan (Italy) - November 26th-27th, 2010

Thermo
SCIENTIFIC

UNIPRO
Associazione Italiana delle Imprese Cosmetiche

Program

Friday, November 26th

Opening Session (9.00-11.00)

9.00-9.20 - President IPAM – opening speech

9.20-9.30 - President ECOPA – opening remarks

9.30-10.00 – John R. Bucher (National Institute of Environmental Health Sciences, Research Triangle Park, NC, USA) - *Toxicology in the 21st Century, Transforming Environmental Health Protection*

10.00-10.30 – Thomas Hartung (Johns Hopkins University, Baltimore, MD, USA) - *Challenges and opportunities for alternative methods in toxicity testing in the 21st Century*

10.30-11.00 – Emanuela Corsini (Università di Milano, Milano Italy), - *The major bottlenecks of toxicity testing within the perspective of alternative methods*

Coffee break 11.00-11.30

Session 1 – Systemic approaches to toxicity testing (11.30-13.30)

11.30-12.00 - Jürgen Borlak (Fraunhofer Institute of Toxicology and Experimental Medicine; Hannover, Germany) – *From Mice to Man? Replacing meaningless animal studies through sophisticated alternative testing methods*

12.00-12.30 – Gian Paolo Rossini (Università di Modena e Reggio Emilia; Modena, Italy) – *Proteomic approaches in toxicity testing: learning about toxicity pathways and their functioning.*

12.30-13.00 - Richard Currie (Syngenta Jealotts Hill International Research Centre, Bracknell, UK) - *Toxicity pathway identification through data fusion of metabolomic with transcriptomic data.*

13.00-13.30 – Emilio Benfenati (Istituto di Ricerche Farmacologiche "Mario Negri", Milano, Italy) - *How reliable are in silico methods for toxicity prediction?*

Lunch break 13.30-14.30

Session 2 – From in vivo tests to highthroughput in vitro tests (14.30-16.10)

14.30-14.50 - Horst Spielmann (Freie Universität Berlin, Germany) - *The transition to a toxicity pathway-based paradigm for chemical safety assessment in a EU dimension.*

14.50-15.10 - Aldert H. Piersma (National Institute for Public Health and the Environment RIVM; Bilthoven, The Netherlands) - *Towards animal-free alternative testing strategies in developmental toxicology*

15.10-15.30 - Hector Keun (Imperial College London; London, UK) – *Metabolomics and alternative models to animal testing*

15.30-15.50 - Maurice P. Whelan (Institute for Health and Consumer Protection, EC-JRC, Ispra, Italy) – *Tox 21 - moving from principles to practice.*

15.50-16.10 - Joachim Coenen (Merck Serono, Darmstadt, Germany) - *In vitro prediction of side effects of newly developed pharmaceuticals.*

Coffee break 16.10-16.30

Round table - Toxicity Testing in the 21st Century: a toxicologist meets the four areas of the platforms for alternatives (16.30-18.00)

Chair: IPAM

Speakers: Corrado Galli (Italian Society of Toxicology), Odile de Silva (L'Oréal, Paris, France), Troy Seidle (Humane Society International, London, UK), Romano Marabelli (Italian Ministry of Health, Roma, Italy) , Jose V. Castell (Universidad La Fe, Valencia, Spain)

Workshop end 18.30

Saturday, November 27th

ECOPA Annual General Assembly
9.00-13.00