INVITROM

Dutch-Belgian Society for In Vitro Methods

INVITROM symposium

"Biomarkers in *in vitro* systems

…and how to apply them in risk evaluations"

Date: 24 March 2011,

Location: SCK-CEN, Club-House, Boeretang 201, B-2400 Mol, Belgium (http://www.sckcen.be/clubhouse/NL/contact.shtml)

Registration: The INVITROM symposium is free for INVITROM members.
Non-members or new members: costs are € 50.00, including INVITROM membership for 2011.
MSc and PhD students can register for a reduced fee of € 25.00

Registration: http://www.invitrom.org/symposium2.html

The INVITROM Working Group "*Mechanisms of Toxicity*" organises this symposium with the focus on the applicability of *in vitro* toxicity data in the risk evaluation of chemicals. An overview will be given of the current research in *in vitro* toxicity, which is in many cases focusing on the mechanisms of toxic action. One issue is why this increasing volume of research is not easily applicable in a risk assessment. Examples will be presented of research in integrating knowledge of toxic mechanisms in the risk evaluation of chemicals.

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Program:

10:00 Registration and coffee

10:30 Opening

10:35 Presentations INVITROM working groups:
- *In vitro* disease models
- The use of animal sera in cell and organ cultures
- Slice methods and tissue preservation
- Human material in research

11:30 INVITROM Annual General Assembly

12:00 Lunch

13:00 – 13:30 Ans Punt (Toxicology, Wageningen UR):
In vitro toxicology: does it have the right focus?

13:30 – 14:00 Nathalie Lambrechts (VITO, Mol):
Towards a mechanism-based in vitro screening assay for chemical-induced skin sensitization

14:00 – 14:30 Jochem Louisse (Toxicology, Wageningen UR and TNO Quality of Life):
The use of in vitro toxicity data and physiologically based kinetic modeling to predict dose-response curves for in vivo developmental toxicity of glycol ethers in rat and man

14:30 – 15:00 Coffee break

15:00 – 15:30 Bas Blaauboer(IRAS-Utrecht University):
How to improve the applicability of in vitro toxicity data in risk assessment

15:30 – 16:00 Prof. Peter Hoet (KUL)
The pulmonary barrier in vitro

Updated information and registration:
http://www.invitrom.org/symposium2.html

The mission of INVITROM is the promotion of the development,
the application and the acceptance of in vitro models in biomedical research.