Second Announcement

INTERNATIONAL CONFERENCE
“Advancing the science of developmental neurotoxicity testing for better safety evaluation”

10-13 May 2011 – Northern Italy
Centro Congressi Ville Ponti, Varese
Third International Conference on Alternatives for Developmental Neurotoxicity Testing (DNT)

Developmental Neurotoxicity is an issue of growing concern in the context of chemical exposure. The developing human nervous system is susceptible to toxicants, and exposure during development may cause lasting neurological deficits.

This conference will bring together diverse stakeholders from around the globe (research scientists, regulators, industry representatives, academics, paediatricians etc).

Call for abstracts is now open, you are invited to submit an abstract on the following topics:

- DNT and neurological deficits
- DNT and regulatory legislation
- Biomarkers and DNT
- Gene/Environment interactions
- Molecular pathways and DNT
- Alternative methods for DNT Testing
- Automation and potential of DNT test methods

For further information, please visit our website:
http://ihcp.jrc.ec.europa.eu/events_workshops/dnt3conference

ABSTRACT SUBMISSION DEADLINE: January 31, 2011
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*Executive Committee
DNT3 Conference Program

"Advancing the science of developmental neurotoxicity testing for better safety evaluation"

Tuesday, 10 May

17:00-17:30 Welcome addresses: Elke Anklam, Joachim Kreysa – European Commission, Joint Research Centre, Institute for Health and Consumer Protection (IHCP), Italy

17:30-18:30 KEYNOTE LECTURE: Global perspectives on the issue of developmental neurotoxicity Nathalie Delrue, OECD, Environment Directorate, France

18:30-19:00 Objectives of the Conference: DNT: a Puzzle or a Mystery Alan Goldberg, Johns Hopkins University (CAAT), USA

19:00-21:00 Welcome Reception

Wednesday, 11 May

Environmental and Clinical Perspective of Developmental Neurotoxicity
Session Chairs: Philippe Grandjean (University of Southern Denmark) and William R. Mundy (Environmental Protection Agency, USA)

09:00-09:45 KEYNOTE LECTURE: Environmental Chemicals and Children’s Brains: what do we know and what do we not know Philippe Grandjean, University of Southern Denmark, Denmark

09:45-10:30 A Clinical point of view on developmental neurotoxicity Linda L. Restifo, University of Arizona, USA

10:30-11:00 Refreshment break
11:00-11:45 Overview of model systems incorporating these neuro-developmental processes
Ellen Fritsche, Institut für Umweltmedizinische Forschung (IUF), Duesseldorf and Universitätshautklinik (RWTH), Aachen, Germany

11:45-12:30 Basics of MOA/Toxicity Pathway
Tom Zoeller, University of Massachusetts, USA

12:30-14:00 Lunch

Overview of Alternative Model Development
Session Chairs: Sandra Coecke (European Commission, Joint Research Centre, IHCP, Italy) and Evelyn Tiffany-Castiglioni (Texas A&M University, USA)

14:00-14:45 How can alternative models for DNT fit into a regulatory context: Now and the Future
Kevin M. Crofton, Environmental Protection Agency, USA

14:45-15:15 Update on the BMBF Joint Project on Development of In Vitro Models for DNT
Andrea Seiler, Federal Institute for Risk Assessment (BfR) and Center for Alternative Methods to Animals Experiments - ZEBET, Germany

15:15-16:00 Update on the US DNT Alternative Methods in the Tox21 Project
William R. Mundy, Environmental Protection Agency, USA

16:00-16:30 Discussion

16:30-19:30 Refreshment break combined with a poster session
Thursday, 12 May

State of the Science for Alternative Methods for DNT Evaluation: Update on Assays in Terms of Criteria from DNT2
Sessions Chairs: Pamela J. Lein (University of California Davis, USA) and Anna Price (European Commission, Joint Research Centre, IHCP, Italy)

09:00-09:45 KEYNOTE LECTURE: Gene/Environment interactions in neuro-developmental diseases
Antonio M. Persico, University "Campus Bio-Medico", Rome, Italy

09:45-10:30 Selection of talks based on the submitted abstracts
- Neurite outgrowth
- Migration
- Differentiation and gene expression
- Proliferation
- Glial and patterning models or Glia and neuroinflammation
- Synaptogenesis

10:30-11:00 Refreshment break

11:00-12:30 Selection of talks based on the submitted abstracts

12:30-14:00 Lunch

DNT Assays and Non-Mammalian Species
Session Chairs: Didima de Groot (TNO Quality of Life, The Netherlands) and Lucio G. Costa (University of Washington, USA)

14:00-14:30 Functional Assays and Alternative Species
Stephanie Padilla, Environmental Protection Agency, USA

14:30-15:00 Selection of talks will be based on submitted abstracts
- MEAs
- Zebrafish
- C. Elegans

15:00-15:30 Refreshment break

15:30-17:30 Potential topic areas will be selected from submitted abstracts

19:30 Dinner
Friday, 13 May

The Use of In Vitro and Non-Mammalian Species for Risk Assessment
Session Chairs: Neil Carmichael (ECETOC, Belgium) and Stephanie Padilla (Environmental Protection Agency, USA)

09:00–09:50
KEYNOTE LECTURE: DNT and Regulatory Requirements:
European and US perspective
US perspective: Kathleen Raffaele EPA, USA
European perspective: Bjorn Hansen, European Commission, DG Environment, Belgium

09:50–10:30
What is data used for right now and how is the regulatory context implemented?
Steffen Schneider, BASF, Germany

10:30–11:00
Refreshment break

11:00–11:30
Systems Biology approaches in Toxicology: Identification of Adverse Effects for Risk Assessment
Kim Boekelheide, Brown University, USA

11:30–12:00
In Vitro approaches and Risk Assessment
Abby A.Li, Exponent, USA

12:00–12:30
Closing remarks

12:30–14:00
Lunch

14:00–16:30
Visit to Joint Research Centre (JRC) in Ispra, Italy
Welcome to the Institute for Health and Consumer Protection (IHCP) and laboratory visits.
For further information please contact:

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**10-13 May 2011**
Ville Ponti, Varèse, Northern Italy

Join us in Varèse, surrounded by lakes in the Italian Alps, for an exciting conference. Diverse program provides an opportunity to learn about the most recent advances in the fundamental science and regulatory context on developmental neurotoxicity testing using alternative methods.

**Visit our website:**
http://ihcp.jrc.ec.europa.eu/events_workshops/dnt3conference