Gene-Environment Interactions in Neurotoxicology

12th Biennial Meeting of the International Neurotoxicology Association

Jerusalem
Gene-Environment Interactions in Neurotoxicology

Guest Editors

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Shaare Zedek Medical Center & The Hebrew University of Jerusalem

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Vanderbilt University Medical Center

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US Environmental Protection Agency

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University of Houston

Papers in this special section are based on presentations at the 12th International Neurotoxicology Association meeting held June 7-12, 2009 in Jerusalem, Israel. All papers have been peer-reviewed
ANNOUNCEMENT OF MEETING

The International Neurotoxicology Association (INA) and International Commission of Occupational Health (ICOH) will hold a joint International Neurotoxicology Conference in Xian, China June 5-10, 2011. The following topics will be covered in the twenty symposia presented at the meeting. Four will be Joint INA-ICOH and 16 will be at parallel INA and ICOH sessions. Please see the web site for more information: http://www.chntox.org/ina13-icoh12/cn/

Theme-I. Genetics, Molecular and Cellular Mechanisms of Neurotoxicity
- Epigenetics of neurotoxicity and neurodegeneration
- DNA, mRNA and protein targets for increased susceptibility
- Fetal and neonatal origin of adult neurotoxicity
- Blood brain barrier transport of toxicants

Theme-II. Exposure, Regulation and Risk Assessment of Neurotoxicity
- Environmental monitoring of neurotoxic chemicals
- Biomarkers for environmental and occupational exposures
- Use of worm and fish models for behavioral testing
- New approaches to risk assessment: Computational models for integrating exposure and dose-response

Theme-III. Advances in Diagnosis, Treatment and Prevention of Neurotoxicity
- Animal models of neurodegeneration
- New methods for diagnosis and imaging of neuronal functions: humans and animals
- Chelation therapy for Mn-induced Parkinsonism
- Remission and removal of environmental neurotoxicants

Theme-IV. Behavioral Neurotoxicity Testing in the 21st Century
- New methods for screening and diagnosis of neurobehavioral alterations
- Neurobehavioral testing for pesticide, metals, and solvents
- Behavioral testing in humans and animals: Searching for homologous endpoints
- Studies on emerging Chemicals and Nanotechnology

Theme-V. Epidemiology meets Neurotoxicology and Exposure Sciences
- Follow-up longitudinal studies for better evaluation of long-term neurotoxicity
- Neuroepidemiology with different populations (children, indigenous people, immigrants, elderly)
- Transfer of epidemiology into risk assessment – how to summarize neurobehavioral studies
- Estimate and comparison of occupational neurotoxic diseases in developed and developing countries

A Call for Abstracts will be issued shortly by the Chairs of the INA Scientific Committee (Donald A. Fox: dafox@uh.edu) and ICOH Scientific Committee on Neurotoxicology and Psychophysiology (Roberto Lucchini: lucchini@med.unibs.it).
First Announcement / Save the Dates!

TWENTY-SEVENTH INTERNATIONAL NEUROTOXICOLOGY CONFERENCE

Theme:

Environmentally Triggered Neurological Disorders

October 30 - November 2, 2011  Little Rock, Arkansas

Important Deadline Dates for NEUROTOX 27

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