INTernational conference on food contaminants and neurodevelopmental disorders

Valencia, Spain. December 3-5, 2006

Sunday 3

09.00-09.25 OPENING

Introductory lecture.
Chair: S. Ceccatelli, L. Costa, V. Felipo, L. Manzo

09.25-10:00 Herman B.W.M. Koëter. European Food Safety Authority; Parma, Italy. Dealing with food contaminants: the role of EFSA.

1. Food contaminants and their effects on brain development.
Chair: Luigi Manzo

10:00-10.35 Philippe Grandjean. Institute of Public Health, University of Southern Denmark. Toxicologic evidence of developmental neurotoxicity of methylmercury.

10.35-11.05 COFFEE

11.05-11.40 Gerhard Winneke. Heinrich-Heine-University Düsseldorf; Germany. PCB-Induced neurodevelopmental toxicity in human infants and its potential mediation by endocrine dysfunction.
Chair: Jan-Åke Gustafsson

11.40-12.15 Adriana Maggi. Center of Excellence on Neurodegenerative Diseases; Milan, Italy. The ERE-luc reporter mouse.

12.15-12.50 Frederic Flamant. Ecole Normale Supérieure de Lyon; France. Thyroid hormone receptors and developmental neurotoxicity.

12:50-14:30 LUNCH

14:30-15.05 Jan-Åke Gustafsson. Karolinska Institute NOVUM; Huddinge, Sweden. The role of ER alpha and beta in endocrine disruptors toxicity.

15.05-15:40 Kevin Crofton. U.S. Environmental Protection Agency, Research Triangle Park; North Carolina, USA. Thyroid disrupting chemicals: challenges in assessing neurotoxic risk from environmental mixtures.

15:40-16.00 GianCarlo Panzica. University of Torino; Italy. Xenoestrogens’ action on brain and behavior differentiation: avian models.

16:00-16:30 COFFEE

Chair: Sandra Ceccatelli

16:30-17.05 Enrico Alleva. Istituto Superiore di Sanità; Rome, Italy. Using animal models in developmental neurotoxicity.

17.05-17:40 Per Eriksson. Uppsala University; Sweden. Developmental neurotoxicity of environmental agents in the neonate.
Monday 4

Chair: Sandra Ceccatelli

09.00-09.35  Antonio Mutti. University Hospital of Parma; Italy.  
Role of biomarkers in monitoring exposures to chemicals: present position, future prospects.

09.35-10.10  Sandra Ceccatelli. Institute of Environmental Medicine, Karolinska Institute; Stockholm, Sweden.  
Identification of different cell death pathways activated by neurotoxic food contaminants.

10.10-10.30  Anna Price. ECVAM - Institute of Health and Consumer Protection; Ispra, Italy.  
Incorporating In Vitro Alternative Methods for Developmental Neurotoxicity Testing (DNT) into International Hazard and Risk Assessment Strategies.

10.30-11.00  COFFEE

Chair: Lucio Costa

11.00-11.35  Lucio G. Costa. University of Parma; Italy and University of Washington; USA.  
Mechanisms of developmental neurotoxicity.

11.35-12.10  Vicente Felipo. Fundación Centro de Investigación Príncipe Felipe; Valencia, Spain.  
Role of alterations in signal transduction associated to glutamate receptors in developmental neurotoxicity: molecular and behavioral correlates.

12.10-12.45  María Cristina Suñol. Instituto de Investigaciones Biomédicas CSIC; Barcelona, Spain.  
Mercury compounds disrupt neuronal glutamate transport and cellular proteome in cultured mouse cerebellar granule cells.
12.45-13.20 Richard F. Seegal. Wadsworth Center, New York State Department of Health; USA. Alterations in dopaminergic neurotransmission by PCBs.

13.20-15.00 LUNCH

5. Risk assessment strategies.
Chair: Helen Hakansson


16.10-16.40 COFFEE


Tuesday 5

6. Health issues associated with exposure to food contaminants.
Chair: Gerhard Winneke

09.00-09.35 Luigi Manzo. National Toxicology Information Centre, IRCCS Maugeri Foundation and University of Pavia; Italy. Food contaminants and human neurotoxic disease.

09.35-10.10 Keith Godfrey. Southampton Women’s Survey; UK. Evolution, lifestyle and patterns of developmental disease.
10.10-10.40  COFFEE

10.40-11.15  Nicolás Olea. Hospital Clínico Universitario, Universidad de Granada; Spain.  
Food contaminants and women’s reproductive health.

11.15-11.50  Fabio Virgili. National Institute for Research on Food and Nutrition; Rome, Italy.  
Health effects of phytoestrogens.

European Commission-sponsored research in food contaminants and neurodevelopmental disorders: past and future.