

WORKSHOP ON ADVANCES IN THE USE OF BIOMARKERS IN CHILDREN

HOTEL PANAMERICANO (CROWNE PLAZA) & RESORTS
CONFERENCE ROOM: BUENOS AIRES SALON (GROUND FLOOR)
17-18 NOVEMBER 2005 - BUENOS AIRES, ARGENTINA

THURSDAY, 17 NOVEMBER – MORNING SESSION

GENERAL INTRODUCTION

- Overall Co-chairs:** Dr Terri Damstra - *World Health Organization, International Programme on Chemical Safety, Research Triangle Park, North Carolina, USA*
Dr Bob Sonawane - *US Environmental Protection Agency, National Center for Environmental Assessment, Washington, DC, USA*
- 8:30-8:45am **Welcoming Remarks and Introduction to Prof Dr Her Royal Highness Princess Chulabhorn Mahidol of Thailand**
Dr Terri Damstra - *World Health Organization, International Programme on Chemical Safety, Research Triangle Park, North Carolina, USA*
- 8:45-9:15am **Keynote Lecture: “The Importance Of Biomarker Research In Children”**
Professor Dr. Her Royal Highness Princess Chulabhorn Mahidol, *Chulabhorn Research Institute, Bangkok, Thailand*
- 9:15-9:30am **Introduction to Workshop – Biomarkers of Exposure, Effects and Susceptibility in Children’s Environmental Health**
Dr Bob Sonawane - *US Environmental Protection Agency*

BIOMARKERS OF EXPOSURE (AT VARIOUS STAGES OF DEVELOPMENT)

- Co-Chairs:** Dr Lizbeth López-Carrillo - *Instituto Nacional de Salud Publica, Mexico*
Dr Robert Kavlock - *US Environmental Protection Agency, Research Triangle Park, North Carolina*
- 9:30-10:00am **Meconium Analysis for the Detection of Fetal Exposure to Environmental Pesticides**
Dr Enrique Ostrea - *Wayne State University, USA, and University of Philippines, The Philippines*
- 10:00-10:30am **Biomarker of Fetal Exposure to Multiple Chemicals in Human Umbilical Cords**
Dr Chisato Mori - *Chiba University, Japan*
- 10:30-11:00am BREAK
- 11:00-11:30am **Human Milk as a Pathway of Exposure to Chemicals**
Dr Fernando Diaz-Barriga - *Universidad Autonoma de San Luis Potosí, Mexico*

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THURSDAY, 17 NOVEMBER – MORNING SESSION (CONTINUED)

BIOMARKERS OF EXPOSURE (CLASSES OF CHEMICALS)

- 11:30-12:00pm **Biomarkers of Exposure to Air Pollutants**
Dr Radim Sram - *Institute of Experimental Medicine, Czech Republic*
- 12:00-12:30pm **Pesticide Exposure Among Children in Nicaragua: A Pilot Biological Monitoring Study** (*Spanish Presentation*)
Dr Teresa Rodríguez Altamirano - *Universidad Nacional Autónoma de Nicaragua, Nicaragua*
- 12:30-2:00pm LUNCH

THURSDAY, 17 NOVEMBER – AFTERNOON SESSION

BIOMARKERS OF EXPOSURE (CLASSES OF CHEMICALS AND SUSCEPTIBILITY)

- Co-chairs:** Dr Margaret Karagas - *Dartmouth Medical School, USA*
Dr Fernando Diaz-Barriga – *Universidad Autónoma de San Luis Potosí, Mexico*
- 2:00-2:30pm **Exposure of Children and Adolescents to Hazardous Residues in Brazil – A Case Study**
Dr Carmen Fróes - *Universidade Federal do Rio de Janeiro, Brazil*
- 2:30-3:00pm **Biomarkers of Exposure to Metals. The Link Between Markers of Exposure and Susceptibility to Metals**
Dr Mariano Cebrian - *Centro de Investigación y de Estudios, Mexico*
- 3:00-3:30pm BREAK
- 3:30-4:00pm **Variability in Arsenic Methylation: Polymorphisms Associated with Arsenic Metabolism**
Dr Mercedes Meza - *Instituto Tecnológico de Sonora, Mexico* (*Spanish Presentation*)
- 4:00-4:30pm **Paraoxonase Polymorphisms-Biomarkers of Susceptibility to Pesticides**
Dr Antonio Hernández-Jerez - *University of Granada, Facultad de Medicina, Spain* (*Spanish Presentation*)
- 4:30-5:00pm **Biomarkers of Pesticide Exposure and their Relation to Health in Children**
Dr Brenda Eskenazi - *University of California, Berkeley, USA*

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6:00pm-8:00pm POSTER SESSION (W/ REFRESHMENTS)

FRIDAY, 18 NOVEMBER – MORNING SESSION

BIOMARKERS OF EFFECT AND USE IN HAZARD IDENTIFICATION

- Co-chairs:** Dr Radim Sram – *Institute of Experimental Medicine, Czech Republic*
Dr Jenny Pronczuk - *World Health Organization, Switzerland*
- 8:30-9:00am **Biomarkers of Cancer in Children**
Dr Martyn Smith - *University of California, Berkeley, USA*
- 9:00-9:30am **Biomarkers of Effect and Use in Hazard Identification: Lung Function/Asthma**
Dr Peter Sly - *Institute of Child Health Research, Australia*
- 9:30-10:00am **Biomarkers of Neurobehavioural Effects**
Dr David Carpenter - *University of Albany, USA*
- 10:00-10:30am BREAK
- 10:30-11:00am **Framework to Use Biomonitoring Data to Inform Exposure Assessment in Children**
Dr Elaine Hubal - *US Environmental Protection Agency, North Carolina, USA*
- 11:00-11:30pm **Incorporation of Biomarker Data Into Risk Assessment/ Risk Management and Public Health Practices**
Dr William Suk - *National Institute of Environmental Health Sciences, USA*
- 11:30-1:30pm **PANEL DISCUSSION - PROMOTION OF COLLABORATIVE RESEARCH NETWORKS**
Moderators: **Dr Terri. Damstra – *World Health Organization (USA)***
Dr Jenny Pronczuk – *World Health Organization (Switzerland)*
Dr Mariano Cebrian (Mexico)
Dr Fernando Diaz-Barriga (Mexico)
Dr Mathuros Ruchirawat (Thailand)
Dr P. Mendola (USA)
Dr Peter Sly (Australia)
Dr Radim Sram (Czech Republic)
- 1:30pm **CLOSING OF MEETING**
Dr Terri Damstra - *World Health Organization, USA*