



## **WHO CORE ASSESSMENT GROUP ON PESTICIDES**

### **EXPERT TASKFORCE ON CARCINOGENICITY OF DIAZINON, GLYPHOSATE AND MALATHION**

#### *List of experts*

- **ADCOCK Catherine**

Ms. Catherine Adcock is a manager at the Pest Management Regulatory Agency (PMRA), Health Canada. She received a M.Sc. in Toxicology/Pharmacology from the Department of Biomedical Sciences of the Ontario Veterinary College in 1991. Her research focussed on the role of apoptosis in tumour promotion.

She has been involved in the evaluation of data and information on the human health hazards of pesticide active ingredients including the derivation of toxicological reference doses since 1993. She has been the Head of the Toxicological Evaluation Section 2 of the since 1999, and is responsible for assessing the human health effects of herbicides, fungicides and plant growth regulators under the federal Pest Control Products Act. Additionally, she participated in the Joint Meeting on Pesticide Residues as a technical expert for the World Health Organization for five years.

- **BOOBIS Alan**

Pr. Alan Boobis is currently Professor of Biochemical Pharmacology and Director of the Public Health England Toxicology Unit at Imperial College London. He has been a member of Imperial College London for almost 40 years. His research interests include mechanistic toxicology, chemical risk assessment and food safety. He has published around 230 original research papers. He is a member of several national and international advisory committees, the Committee on Toxicity (chair), the WHO Study Group on Tobacco Product Regulation (TobReg), JECFA (veterinary residues – co-chair) and JMPR (alternating co-chair). He has been a member of the UK Advisory Committee on Pesticides, Committee on Carcinogenicity, the EFSA CONTAM Panel and the EFSA PPR Panel. He is a member and a past chairman of the Board of Trustees of ILSI (International Life Sciences Institute) HESI, vice-president of ILSI Europe and chair of ILSI. Awards include fellowship of the Society of Biology and the British Toxicology Society (BTS), the BTS John Barnes Prize Lectureship, honorary membership and Merit Award of EUROTOX, the Royal Society of Chemistry Toxicology Award and Officer of the British Empire (OBE).

- **DELLARCO Vicki**

Dr. Vicki Dellarco is an independent consultant. She received her PhD in genetics from Iowa State University in 1980 and then joined the U.S. Environmental Protection Agency (EPA) until 2013. While at the EPA, she served as a senior science advisor in several programs including the Office of Pesticide Programs, the Office of Water, and the National Center for Environmental Assessment. She has considerable experience in evaluating health-related data on environmental chemicals, including pesticides. She has led the development of major science policies and risk assessments under various environmental statutes including the Safe Drinking Water Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Federal Food, Drug, and Cosmetic Act and the Food Quality Protection Act. She has served on international expert advisory committees including the International Life Sciences Institute, Organisation for Economic Cooperation and Development (OECD), and the World Health Organization (WHO) International Programme of Chemical Safety. She was a WHO member of the Joint Meeting of Pesticide Residues from 2002-2012. In 2008, Dr. Dellarco received the Arnold J. Lehman award from the Society of Toxicology for her contribution to risk assessment and the regulation of chemical agents. In 2009, Dr. Dellarco was recognized by the EPA with an individual Gold Medal for her scientific leadership in advancing mode of action analysis as a standard for risk assessments.

- **EASTMOND David**

Dr. David A. Eastmond is a professor and chair of the Department of Cell Biology & Neuroscience at the University of California, Riverside. He received his B.S. and M.S. degrees from Brigham Young University in Provo, Utah and his Ph.D. from the University of California, Berkeley. After serving as a Hollaender Distinguished Postdoctoral Fellow, he joined the faculty at UC Riverside where he is actively involved in research and teaching. His research focuses on the mechanisms involved in the toxicity and carcinogenesis of environmental chemicals and he has published more than 120 scientific articles in this area.

Dr. Eastmond served as the president of the Environmental Mutagen Society and as a Jefferson Science Fellow in the US State Department. He has also participated on a variety of advisory panels related to chemical mutagenesis, carcinogenesis and risk assessment including panels for the US Environmental Protection Agency (EPA), the US Food and Drug Administration, the National Toxicology Program, the International Programme for Chemical Safety, the International Agency for Research on Cancer, the Organisation for Economic Cooperation and Development, and Health Canada. He currently serves as a member of the Carcinogen Identification Committee for the California EPA and the Chemical Assessment Advisory Committee for the US EPA.

- **MORETTO Angelo**

Pr. Angelo MORETTO was medical and research scientist from 1997 to 2006 in the Department of Environmental Medicine & Public Health at the University of Padua in Italy. From 2002 to 2006, he was Head of the Laboratory of Industrial Toxicology in the Department of Environmental Medicine & Public Health at the University of Padua in Italy. Since 2006, he is Associate Professor of Occupational Medicine in the Department of Biomedical and Clinical Sciences at the University of Milan in Italy. Since 2006 he is also Director of the International Centre for Pesticides and Health Risks Prevention at "Luigi Sacco" Hospital in Milan, Italy.

His main interests are in the pathogenesis and mechanisms of organophosphate induced-delayed polyneuropathy, in the cholinergic toxicity and the metabolism of organophosphates, in other toxic neuropathies, in the neurotoxic profile of some pesticides, in developmental toxicity, and in combined exposures. He also studies occupational, accidental and non-occupational exposure to pesticides and other chemicals.

He is a member of many international committees for the risk assessment of exposure to chemicals, in particular pesticides, and for the improvement, harmonization and innovation of risk assessment methods.

He is Referee of research projects for several governments and institutions. He has been an invited speaker to several meeting related to toxicology and chemical risk assessment. He has received several research grants from National and International bodies, related to toxicology, risk assessment and toxicology training. He published about 80 papers in peer-review journals.

- **O'MULLANE Matthew**

Dr. Matthew O'Mullane is currently the Director of the Chemical Review Program at the Australian Pesticides and Veterinary Medicines Authority. He has held senior positions in regulatory toxicology within the Australian government for over 15 years and has extensive experience in the risk assessment of pesticides and veterinary medicines, food additives, contaminants, processing aids and novel foods (including food derived from GM crops). Matthew has been an expert adviser to the JMPR since 2011. Prior to these roles, Matthew spent four years as a research scientist in the fields of protein biochemistry, cell biology and preclinical drug development. He has a PhD from the University of Wollongong, Australia, specialising in the role of proteases in programmed cell death.

- **RUSYN Ivan**

Pr. Ivan Rusyn obtained his Medical doctorate at the Bogomolets National Medical University in Kiev, Ukraine in 1994. He received his PhD in Toxicology at the University of North Carolina at Chapel Hill, USA in 2000.

He served as Postdoctoral Fellow at the University of North Carolina from 1996 to 2001 and at the Massachusetts Institute of Technology from 2001 to 2002. He was on the faculty in the Department of Environmental Sciences & Engineering at the University of North Carolina at Chapel Hill (USA) from 2002 to 2014, first as Assistant (2002-2007) and Associate (2007-2010) and then as Professor (2010-2014). From 2002 to 2014, he has been Member and Associate Director (2007-2011) of the Curriculum in Toxicology at the University of North Carolina, and from 2008 to 2014 he has been

Director of the Carolina Centre for Computational Toxicology Gillings School of Global Public Health at the University of North Carolina. He has also been a Faculty Fellow at the National Center for Environmental Assessment (US EPA) from 2011 to 2013. Since 2014, he is Professor in the Department of Veterinary Integrative Biosciences at Texas A&M University in College Station.

Since 1997 Pr. Rusyn is a member of the Society of Toxicology where he served in various appointed and elected roles, most recently as a Councillor (2012-2015). Since 2012 he is also a member of the European Association for the Study of the Liver (EASL).

Pr. Rusyn has won several honors and special awards, such as the Paper of the Year by the Society of Toxicology Occupational and Public Health Specialty Section in 2013 and the Outstanding Published paper Award for Advancing the Science of Risk Assessment by the Society of Toxicology Risk Assessment Specialty Section in 2009. Pr. Rusyn also was recognized with the Achievement Award by the Society of Toxicology.

Pr. Rusyn is a well-recognized expert in mechanistic toxicology and he served on numerous committees at the US National Academies of Science/National Research Council and WHO IARC monographs working groups. With funding from the National Institutes of Health and US Environmental Protection Agency, his laboratory is conducting research in the areas of genetic determinants of the susceptibility to toxicant-induced injury and mechanistic underpinnings of environmental factor-associated human disease.

- **SOLECKI Roland**

Dr. Roland Solecki is head of the Pesticides Safety Department at the Federal Institute for Risk Assessment. His department performs health risk assessments of pesticidal active substances, Plant Protection Products and Biocidal Products. This assessment involves determining their inherent toxic properties for the purposes of classification and labelling, the establishment of limit values and the identification of exposure as elements of risk assessment. Existing toxicological test methods, including 'alternative' methods, and hazard/risk assessment strategies are developed further and new ones conceived. The Department is involved in conceptual work to contribute to the implementation of technical and scientific progress into regulatory frameworks used on the national, European and global levels. Various research projects are carried out to strengthen the departments risk assessment capacity and to support translation of recent developments in toxicological science into regulatory risk assessment practice.

Dr. Roland Solecki is a biologist by training and a specialist in neuroendocrinology, toxicopathology and reproductive toxicity. He is author of many peer reviewed papers in highly ranked international journals and served for more than 15 years as a member of the FAO/WHO Joint Meeting on Pesticide Residues. He participated in special working groups of the EC for regulatory toxicology in the health assessment of pesticides as well as in IPCS expert groups for more than 20 years. He was a member of the following expert groups: the "OECD Pesticide Forum", later the „OECD Working Group on Pesticides“, the "Registration Steering Group" as well as the "OECD test guideline programme".

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