

WHO Core Assessment Group on Pesticide Residues

a preparatory meeting on toxicological risk assessment for the Joint Meeting on Pesticide Residues (JMPR)

16 -25 SEPTEMBER 2025

Bangkok, Thailand

List of experts

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WHO PANEL EXPERTS

- **AGUDO Antonio**

Antonio Agudo is a Physician, specialized in Preventive Medicine and Public Health. He graduated in Medicine (MD) at the University of Barcelona (UB), and he holds a Master of Sciences (MSc) degree in Clinical Epidemiology from the Erasmus University Rotterdam (EUR). He completed his doctoral training at the Autonomous University of Barcelona (UAB), with a PhD in Public Health and Methodology of Biomedical Research. Presently, his main research interests are the role of chemical compounds and related biomarkers in the carcinogenic process; the relationship between environmental carcinogens and genetic susceptibility in gastrointestinal cancers and lung cancer; the role of diet, body composition and physical activity in breast cancer and other hormone-related tumors. The latter is a field of growing interest; in order to investigate the potential role of nutrition and related factors on the prognosis and progression of breast cancer survivors, he has set up and coordinates a multicentric randomized clinical trial (PREDICOP) aimed to assess the effect of a lifestyle intervention combining diet and physical activity on the risk of recurrence among breast cancer patients, as well as the effect of the intervention on survival and quality of life. He has collaborated with the International Agency for Research on Cancer (IARC) in the IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, and the IARC Handbooks of Cancer Prevention. He is also member of the World Health Organization (WHO) Expert Advisory Panel on Food Safety.

- **BOOBIS Alan**

Alan Boobis is Emeritus Professor of Toxicology at Imperial College London. He was Professor of Biochemical Pharmacology and Director of the Toxicology Unit (supported by Public Health England and the Department of Health) at the College until June of 2017, when he retired after over 40 years at Imperial. His main research interests lie in mechanistic toxicology, chemical risk assessment and food safety. He has published over 300 original research papers (h-index of ~95). He is a member of several international advisory committees, the WHO Study Group on Tobacco Product Regulation (TobReg), JECFA (veterinary residues; contaminants) and JMPR. Until recently, he was chair of the UK Committee on Toxicity and he has been a member of the UK Advisory Committee on Pesticides, Committee on Carcinogenicity, Committee on the Medical Effects of Air Pollutants, the EFSA CONTAM Panel and the EFSA PPR Panel. He has served as chair of the Board of Trustees of ILSI and as vice-president of ILSI Europe. He sits on several international scientific advisory boards, in both the public and private sectors. Awards include honorary fellow of the British Toxicology Society, fellow of the British Pharmacological Society, the BTS John Barnes Prize Lectureship, honorary membership and Merit Award of EUROTOX, the Royal Society of Chemistry Toxicology Award, the Arnold J Lehman Award from the SOT, the Toxicology Forum Philippe Shubik Distinguished Scientist Award, and Officer of the British Empire (OBE).

- **BRESCIA Susy**

Susy Brescia has a degree in Biological Sciences and Human Genetics from 1991 and a PhD in Occupational Toxicology and Epidemiology (1997), including post-graduate and post-doc experience in the field of genetics and molecular epidemiology. She started work as a regulatory toxicologist with the UK Health & Safety Executive in 1999, being responsible for performing human health hazard and risk assessment for substances regulated under the Biocidal Product Regulation (BPR), Plant Protection Product Regulation (PPPR) and REACH. Also contributing to the technical aspects of Harmonized Classification and Labelling proposals under the CLP Regulation. She has been involved in drafting technical guidance documents for performing chemical risk assessment in the context of REACH and BPR and preparing WHO/IPCS, OECD, EFSA and ECHA technical reports on specific chemicals and various aspects of chemical hazard and risk assessment. She is a member of several national and international committees and working groups, including the UK NC3Rs (National Centre for the 3Rs) NAM (New Approach Methodologies) Oversight Group, the OECD RCEG (Residue Chemistry Expert Group) for the preparation of the

guidance on the residue definition for risk assessment for pesticides and the HESI (Human and Environmental Safety Institute) TEA (Transformation of the Evaluation of Agrochemicals) committee. She is a registered toxicologist at the British Society of toxicology (BTS), chair of the risk assessment speciality section and member of the BTS Scientific Subcommittee. She is an expert on endocrine disruption, and she has recently published an invited review on NAMs. She is currently the Head of the Toxicology Team with the Chemicals Regulation Division of the UK Health and Safety Executive

- **BROEDERS Jessica**

Jessica Broeders is a senior risk assessor mammalian toxicology at the Dutch Board for the authorisation of plant protection products and biocides (Ctgb). She studied Biomedical Sciences with a master's degree in Toxicology at the Radboud University in Nijmegen, the Netherlands. She obtained her PhD in toxicology at the Institute for Risk Assessment Sciences at Utrecht University, The Netherlands. During that time, she also followed the postgraduate education in toxicology program to become a European registered toxicologist. Since 2013 she works for the Ctgb, where she is responsible for human toxicology and risk assessments for operators, workers, bystanders and residents, and participating as an expert in the EFSA expert meetings. She has been participating in the JMPR as a member of the WHO expert group since 2019.

- **BUSSCHERS Marloes**

Marloes Busschers studied Biology at Wageningen University where she graduated in 1994. For 3 years she worked as a Study Director of acute and short-term toxicity studies at Notox in 's Hertogenbosch (now Charles River Laboratories). Thereafter, she worked for 6 years at TNO in Zeist, as a toxicologist and risk assessor human toxicology. In 2005 she joined Ctgb, the Dutch Board for the Authorization of Plant Protection Products and Biocides, as a toxicologist Human Risk Assessment, where she was responsible for human toxicology and risk assessments for operators, workers, bystanders and residents, and was participating as an expert in the EFSA expert meetings. She transferred to Charles River Laboratories in August 2017, and until September 2020 was a Senior Regulatory Toxicologist. She now works as a freelance toxicology consultant. She was advisory member of the Dutch Health Councils temporary committee Residents and Plant Protection Products. She is a registered toxicologist at the Dutch Society for toxicology and EUROTOX. She has been a JMPR expert since 2012.

- **COPE Rhian**

While Dr Cope is a veterinarian by training (1989, University of Queensland) she has spent most of her professional career as a toxicologist. Following obtaining her veterinary qualification Dr Cope pursued further training as a radiation toxicologist/photobiologist (PhD, University of Sydney 1996). She is a Diplomate of the American Board of Toxicology, a Diplomate of the American Board of Veterinary Toxicology, a Fellow of the Australasian College of Toxicology and Risk Assessment. Dr Cope has held academic positions at the University of Illinois and at Oregon State University and is currently an Associate Professor at the University of New England. Dr Cope has been a senior toxicologist at the Therapeutic Goods Administration (Australia) specializing in the non-clinical evaluation of cancer and neuropsychiatric drugs and was the Principal Toxicologist at the APVMA. She is currently a monographer for the WHO Joint Pesticides Meeting on Pesticides Residues in Food and has acted as Australian observer at the OECD Working Group of National Coordinators of the Test Guidelines Program (OECD WNT). Dr Cope has also represented Australia on the OECD Developmental Neurotoxicity New Approaches Working Group, the HESI Working Group on Problem Formulation, and the US NTP/NIEHS/EPA Kinetically Derived Maximum Dose Working Group. In total Dr Cope has over 150 peer reviewed publications and expert reports in various areas of toxicology. She is currently a Technical Director at SLR consulting.

- **CREPET Amélie**

Amélie Crépet has a PhD in applied mathematics obtained in 2007 on risk assessment with a Master of Biostatistics. Since 2007, she has been working in the Risk Assessment Department of the French Agency for Food, Environmental and Occupational Health Safety (ANSES). She is developing advanced methods and tools based on exposome concept to improve risk assessment. In particular, she is working on exposure to chemical mixtures, on probabilistic exposure from multiple sources and routes, and on exposure during lifetime using kinetic models and biomonitoring data. She coordinated several national research projects on chemical exposure and food allergy. She is involved in European projects (Athlete 2020-2025, PARC 2022-2029, IHEN as work package and task leader on mixture risk assessment, biomonitoring data, exposome and food allergy. She is a member of several national and international expert working groups (RIVM, EFSA, WHO, etc.) and has joined the EFSA Scientific committee in 2024. She has more than 50 publications in the fields of probabilistic risk assessment to chemicals, and food allergens. At ANSES, she is in charge of expert groups on chemical mixtures and exposome.

- **CRETON Stuart**

Dr Stuart Creton is a Senior Toxicologist at Food Standards Australia New Zealand (FSANZ), where he is responsible for the risk assessment of food additives, processing aids, contaminants and novel foods. Stuart gained a PhD in molecular toxicology from Imperial College London in 2004, following which he spent over 3 years as a toxicologist at the Food Standards Agency in London. He then worked at the UK National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs), leading a programme of work collaborating with the chemicals industry, regulators and academia to improve the scientific basis and efficiency of chemical risk assessment while reducing reliance on animals. Stuart moved to New Zealand in 2012 as a senior toxicologist at the Environmental Protection Authority, with a focus on safety assessment of pesticides, until joining FSANZ in 2016. Stuart is a Diplomate of the American Board of Toxicology and has participated in the JMPR as a WHO expert since 2023.

- **HAMBRIDGE Tracy**

Tracy holds a Bachelor of Applied Science in Nutrition from the University of Canberra and a Masters in Nutrition and Dietetics from Deakin University. Tracy has worked at Food Standards Australia New Zealand (FSANZ) for over 20 years. She is the manager of the Dietary Exposure and Surveillance Section and oversees the Maximum Residue Limit (MRL) team. As the principal specialist in dietary exposure assessments, she provides oversight of the dietary exposure work of the agency. Her work includes assessing a range of food chemicals (e.g. food additives, contaminants, agricultural and veterinary chemicals, nutrients), for a range of purposes including food standards development and total diet studies. Tracy has a detailed knowledge of national dietary surveys and undertook a secondment to the Australian Bureau of Statistics to the work on the 2011-12 Australian nutrition survey. Tracy has participated as an invited expert on exposure assessment for the Joint FAO/WHO Expert Committee on Food Additives (JECFA) since 2002 working on food additives and contaminants. She has attended JMPR since 2023. In the area of dietary exposure assessments, she has published papers and book chapters, sat on national expert panels for evaluating food chemicals, presented at international and national conferences, and conducted many international risk assessment training courses.

- **LOGAN Sheila**

Dr Sheila Logan has worked in chemical regulation for more than 20 years. During this time, she worked as a risk manager in both pesticides and veterinary medicines in Australia, prior to moving to toxicology assessment. Initially working in the chemical review of pesticides, she later moved to assessment of new chemicals and industrial chemicals, prior to taking a technical position with the United Nations Environment Programme. In UNEP, she

worked on health assessments as part of the Rotterdam Convention, and work on mercury, as well as cooperative work on endocrine disruptors in cooperation with WHO and OECD. In 2018, she rejoined the Australian Pesticides and Veterinary Medicines Authority as the Director of Health Assessment Team. In this role, she had overall responsibility for the finalization of assessments of the toxicology and exposure assessments, in cooperation with the Principal Toxicologist of the APVMA, who maintains responsibility for the establishment of ADI and ARfD. From 2021 to 2025, she has been the Executive Director of Risk Assessment Capability, with overall responsibility for the technical assessments of pesticides, including chemistry, efficacy and safety, environment, health, and residues and trade, as well as overall responsibility for the chemical review program of the APVMA. She participated in the JMPR in 2002 and from 2020.

- **LOW Kimberley**

Kimberley Low is a senior evaluation officer at the Pest Management Regulatory Agency (PMRA), Health Canada. She is a biologist by training and holds a BSc in zoology. 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 2006. This work includes assessment of the effects on human health of herbicides, fungicides and plant growth regulators in the context of national and international joint authorization and preparation of dossiers for classification and labelling of these substances under the federal Pest Control Products Act. She has participated in the Joint Meeting on Pesticide Residues as a technical expert for the World Health Organization since 2013.

- **MORETTO Angelo**

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. From 2006 to 2018, he was Associate Professor and from 2018-2020 full Professor of Occupational Medicine in the Department of Biomedical and Clinical Sciences at the University of Milan in Italy. From 2006 to 2020 he was also Director of the International Centre for Pesticides and Health Risks Prevention at “Luigi Sacco” Hospital of the ASST Fatebenefratelli Sacco, in Milan, Italy. From 2020 he is moved to the university of Padova in the department of Cardio-thoraco-vascular and Public Health Sciences and he is director of the Occupational Health Unit of the University Hospital in Padua, 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 or was 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 including JMPR, the Italian Advisory Committee on Pesticides and on Chemical within REACH Regulation, the EU SCOEL, the EFSA PPR Panel. He was a member of the Board of Trustees of HESI and is chair of the SAB of SCAHT. He is Referee of research projects for several governments and institutions. He has been an invited speaker to several meetings related to toxicology and chemical risk assessment. He has received several research grants from National and International public and private bodies, related to toxicology, risk assessment and toxicology training. He published over 150 papers in peer-review journals.

- **MOSESSO Pasquale**

Pasquale Mosesso (PM) is a retired Associate Professor of Genetics, holder of the chairs of Genetics and Environmental Mutagenesis in the Department of Ecological and Biological Sciences, University of Tuscia, Viterbo, Italy. PM was also responsible for a scientific research team involved in the field of genetic toxicology and molecular

cytogenetics using mammalian cells coming from “normal” individuals and from individuals with known genetic syndromes which affect the efficiency and reliability of DNA repair systems.

The evaluation of genetic effects of environmental, food-borne chemicals, and complex mixtures by biomarkers of exposure and susceptibility in human populations was also accomplished. Special activity was also devoted to the development of new methods and strategies for genetic toxicity testing.

In his personal capacity, Pasquale Mosesso has been a Member of the scientific panel on Food Additives and Nutrient Sources Added to Food (ANS) of EFSA for two mandates (2011-2014, 2014-2017) and a Member of several EFSA Working Groups involved in the assessment genotoxicity studies and interpretation of results in terms of mode of action (MoA) for the different food additives. In this respect, PM has combined his extensive experience on both regulatory aspects gained in an international contract research organization (CRO) and his involvement as an academic scientist in basic research.

- **NIEMANN Lars**

Lars Niemann studied veterinary medicine at the Humboldt-University of Berlin where he received his PhD in 1992, based on research in the field of veterinary virology. In the same year, he started to work for the German health authorities and is currently a senior scientific employee at the Federal Institute for Risk Assessment (BfR) in Berlin in the department “Safety of pesticides”. His main task is the health evaluation of pesticides, both for national authorization purposes as well as on EU level. He gained practical experimental experience as study veterinarian, principal investigator and study director in avian reproduction studies in Japanese quail and in feeding experiments on rats to investigate mixture toxicity, resulting in a number of publications. More recently, he became also active in the field of human biomonitoring. Since 2017, Dr. Niemann has been contributing to JMPR activities as member of the WHO expert group.

- **RUDZOK Susanne**

Dr Susanne Rudzok works as senior scientific officer in the unit “Toxicology of Pesticides and their Metabolites” of the department “Safety of pesticides” at the German Federal Institute for Risk Assessment (BfR) since 2018. Within this unit, she is team leader for the toxicological assessment of biocidal active substances both on the EU level and within the framework of national authorization procedures. This work includes assessment of human health hazards of active substances as well as the derivation of human health based guidance values. Susanne’s background is in biochemistry and toxicology. She completed her PhD thesis in 2019 studying the cellular toxicity of single substances and binary mixtures at the Helmholtz Center for Environmental Research. Thereafter, she worked in a project focusing on the arylhydrocarbon receptor signal transduction pathway. In 2013, she started working in the field of human health risk assessment in the Unit Environmental Medicine, Toxicology and Epidemiology at the North Rhine - Westphalian State Agency for Nature, Environment and Consumer Protection (Germany).

- **SHAH Prakashchandra**

Dr P. V. Shah retired from Office of Pesticide Programs, US Environmental Protection Agency (US EPA) at the end of October 2018. At EPA, Dr. P. V Shah was a Branch Chief of Chemistry, Inerts and Toxicology Assessment Branch (CITAB) in Registration Division of Office of Pesticide Programs (OPP). PV received his Master of Science (MS) and Doctor of Philosophy (Ph.D) degrees from North Carolina State University. PV joined Office of Pesticide Programs (OPP) in 1997 as a toxicologist in the Health Effects Division (HED). In HED he held various positions such as senior toxicologist, acting team leader, branch senior scientist and Acting Branch Chief of a Registration Action Branch. He also served on various HED scientific committees such as Hazard Identification and Assessment Review Committee (end points selection committee; HIARC, Metabolism and Residue of Concern Committee (MARC), Risk Assessment review Committee (RARC), the Developmental Neurotoxicity (DNT) Work Group and Cancer Assessment Review Committee (CARC). Prior to joining OPP, PV served as a Senior Industrial Toxicologist at Hoffmann-La Roche Inc. He

was responsible for the development of the occupational toxicology program. He developed Workplace Exposure Limits for Roche Compounds that were applicable to Roche Holding Groups worldwide. He was also responsible for toxicological testing and assessment of Roche Compounds. He also held a position in the Office of Toxic Substances (OTS) of the Environmental Protection Agency (EPA), where he was a member of the Structure Activity Team (SAT). PV has been a Temporary Advisor to the FAO/WHO Joint Meeting of Pesticides Residue (JMPR) for more than 15 years. At the JMPR, he represents as a toxicologist on WHO side and prepares Pesticide Monographs on assigned chemicals. PV has authored approximately 25 scientific publications in peer reviewed journals, several book chapters and review articles in the area of dermal absorption.

- **TOSTI Luca**

Dr Luca Tosti following the academic degree in Biological Sciences, he obtained a Ph.D. in Biology and marine ecology with a curriculum in reproductive and developmental biology, and toxicology from the Polytechnic University of Marche. From 2008 to 2011, he covered a scientific project officer position in research and validation of alternative methods to animal testing in the area of sensitization, by European Commission – Joint Research Centre (JRC)-EU Reference Laboratory for alternatives to animal testing (EURL-ECVAM). He was involved in the validation of in vitro methods aimed at assessing the potential skin sensitizing ability of compounds. Since 2012 to present he has worked as toxicologist and operator/user exposure assessor by the International Centre for Pesticides and Health Risk Prevention (ICPS), where, he is performing toxicological evaluations of pesticide active ingredients, their metabolites/degradation products, plant protection products and biocides, both in the perspective of their national and European registration. To this respect he participates as Italian delegate at EFSA Pesticides Peer Review Expert Meetings on Mammalian Toxicology and Biocides Technical Meeting (TM). He serves as a researcher in occupational medicine at the University of Milan, specializing in occupational toxicology and chemical risk assessment, with a focus on the development and updating of mathematical models to estimate operator, bystander, resident, and worker exposure to pesticides since 2023. He is a WHO expert member as monographer for the Joint FAO/WHO Meeting on Pesticides Residues (JMPR) since 2016. He is member of the toxicology working group for additives and products or substances used in animal feed (FEEDAP) of the European Food Safety Authority (EFSA) since 2018. He is regular member of the Italian Society of Toxicology (SITOX) since 2018 and member of the elected council since 2023.

- **WOLTERINK Gerrit**

WOLTERINK Gerrit (1959) received his MSc in Biology at Utrecht University in the Netherlands in 1983, with the main subject Pharmacology and secondary subjects Toxicology and Immunology. Following his PhD in 1988 he worked 2 years in the field of neuropharmacology as a research associate at Cambridge University (1989-1990) and subsequently as a post-doctoral researcher and assistant professor at Utrecht University (1991-2000). Since 2000, he works at the Dutch National Institute for Public Health and the Environment (RIVM) and has been involved in the toxicological evaluation and human health risk assessment of pesticides and biocides, contaminants, veterinary drugs and food additives. Gerrit has prepared advisory reports on human health risks of pesticide, biocides and contaminants, both on the national level for Dutch policy makers and on the international level as, for instance, Temporary Advisor/Expert for the WHO Panel of JMPR (from 2002 onward) and JECFA (from 2010-2013). From 2015-2024 he was a member of the EFSA PPR-Panel.

- **YOSHIDA Midori**

Dr. Midori Yoshida started a career of risk assessment of pesticide residues at Food Safety Commission of Japan (FSC) since 2003 when it was established. She was a commissioner of FSC from 2015 to 2021, FSC is the responsible organization for risk assessment of chemicals and microorganisms in foods in Japan. Since April 2023 she back to FSC as a technical advisor to support of toxicological evaluation of pesticide residues. She previously worked for National Institute of Health Science, the Ministry of Health Labor and Welfare as a section chief of Division of

Pathology. She has over 45-year carrier as a toxicologic pathologist after the graduation of Tottori University. She received DVM PhD degree from Hokkaido University and has certifications of Japanese Society of Toxicologic Pathologist (JSTP) and Japanese College of Veterinary Medicine (JVCP). She has attended JMPR as a WHO expert since 2008. Her main research targets are mechanisms of toxicity/carcinogenicity in reproductive systems including effects of perinatal exposure to chemicals using rodents, and human relevance of rodent carcinogenicity induced by chemicals. She has over 170 publications in peer-reviewed scientific journals or in books.