

**JOINT FAO/WHO MEETING ON PESTICIDES  
RESIDUES (JMPR)– 19 -28 SEPTEMBER 2023**

**Washington D.C.**

***List of experts***

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## WHO PANEL EXPERTS

- **ASANO Satoshi**

Dr Asano received his MSc in pharmaceutical sciences at Toyama Medical & Pharmaceutical University Graduate School of Pharmaceutical Sciences in 1986, and began his career at Teijin Limited (now, Teijin Pharma Limited) with a toxicity assessment of new drug candidate compounds. In addition to conducting general toxicity tests, carcinogenicity tests, and reproductive developmental toxicity tests as the study director. He involved in promotion of pharmacological research of new drugs, utilizing capabilities of toxicologic pathology, clinical chemistry and molecular biology, for over 20 years. In 1995 he acquired his Ph.D. in experimental pathology at Yokohama city University Graduate School of Medicine. From October 1995 to January 1997, Dr. Asano studied the biological properties of Tg.AC, gene-modified mice developed in US as a short-term carcinogenesis model, at National Institute of Environmental Health Sciences (NIEHS). He evaluated the carcinogenic mechanism and the potential for short-term detection of the carcinogenicity of new chemicals in this model. In addition, he was involved in the evaluation in the traditional carcinogenicity test (2-year bioassay) conducted by NTP, participated in the PWG (Pathology Working Group) in the mice carcinogenicity tests. He further improved his risk assessment skills through his experience at NIEHS. Since becoming a university professor, Dr Asano has been involved in pesticide risk assessment as an FSCJ expert committee member for over a decade from 2011 and has contributed to monographs of over 100 pesticides. As a chairman of the expert committee, he summarized the opinions of experts, was involved in the production of monographs, and developed guidelines and guidance for pesticide risk assessment. Since July 2021 he has been a commissioner of the Food Safety Commission of Japan (FSCJ), Cabinet Office.

- **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 ~90). 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) and JMPR. 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/Directors of ILSI and 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 Harmonised 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 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 as a scientific risk assessor human toxicology at the Dutch Board for the Authorisation of Plant protection product and Biocides (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.

- **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**

Dr Cope is a veterinary graduate of the University of Queensland. She completed a PhD in radiation toxicology in 1996 and subsequently held academic positions at the Colleges of Veterinary Medicine at the University of Illinois and Oregon State University. Subsequently Dr Cope worked as a senior toxicologist in drug development programs, the high-volume petrochemical industry and veterinary clinical toxicology. She held a senior government regulatory toxicologist position at the Australian Therapeutic Goods Administration before accepting her current role as the Principal Toxicologist of the Australian Pesticides and Veterinary Medicines Authority. Dr Cope 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 and a registered specialist in veterinary clinical toxicology.

- **CREPET Amelie**

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 in charge of developing advanced methods and tools to improve risk assessment. In particular, she is working on exposure to chemical mixtures, on probabilistic exposure from several 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 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 she has more than 40 publications in the fields of probabilistic risk assessment to chemicals, and food allergens. At ANSES, she is also in charge of expert groups on chemical mixture and exposome.

- **CRETON Stuart**

Dr Stuart Creton is a Senior Toxicologist in the Biotechnology, Toxicology and Nutrition Science section 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 in the Chemical Risk Assessment Unit 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 worked as a senior toxicology advisor at the New Zealand Environmental Protection Authority from 2012 until joining FSANZ in 2016, with a focus on safety assessment of pesticides. Stuart is a Diplomate of the American Board of Toxicology.

- **DEWHURST Ian**

Ian Dewhurst trained as a biochemist and researched into the enzymology and neurochemistry of the inherited disease, homocystinuria. He started work as a regulatory toxicologist with the UK Department of Health in 1983, covering many types of chemicals including food additives, food contact materials, environmental contaminants, novel foods, cosmetics, consumer products and pesticides. He transferred to the UK Pesticides Safety Directorate in 1994 and until September 2017 was the Principal Mammalian Toxicologist with the Chemicals Regulation Division of the UK Health and Safety Executive performing human health risk assessments on pesticides, biocides and industrial chemicals. He has participated in working groups organized by international organizations such as WHO/IPCS, EFSA and OECD and has been a JMPR expert since 1997. He has a particular interest in minimizing animal usage in regulatory toxicology without compromising the overall risk assessment.

- **CRESSEY Peter**

Peter Cressey is a Science Leader in the Risk Assessment, Food and Social Systems Group of the Institute of Environmental Science and Research in Christchurch, New Zealand. He has over 25 years' experience in food safety and quality research in cereals, meat and the diet. His major expertise is in food chemical exposure and risk assessment, particularly in relation to mycotoxins, natural toxins, veterinary drugs and food additives. He has also been involved in studies to assess the burden and cost of foodborne diseases in New Zealand. This work has mainly been carried out under contract to the Ministry for Primary Industries and its predecessor organisations. Peter is currently included on the FAO/WHO roster of JECFA experts for exposure assessment of chemicals in food and is a Fellow of the New Zealand Institute of Food Science and Technology. Peter has published over 30 papers in peer

reviewed publications and has been lead author on more than 100 client reports.

- **DIRVEN Hubert**

Dr Hubert Dirven is Department Director of the Department of Chemical Toxicology at the Norwegian Institute of Public Health. He is a European Registered Toxicologist, who has worked in the area of Toxicology for almost 40 years. He has worked 20 years in the pharmaceutical industry, and since 2013 he is working at the Norwegian Institute of Public Health. The department is involved in hazard and risk assessment on REACH chemicals for the Norwegian Environment Agency, the competent authority for REACH in Norway. Previously, the Department was involved in advisory working for the Norwegian Food Safety Authority and chemicals in foods and drinking water. He is involved in a number of European projects like PARC, POLYRISK, ONTOX and Eximious in different roles, and is an active contributor to the Norwegian society of Toxicology and Pharmacology, and similar Nordic initiatives. His main research focus is human exposure and effects of mixtures of chemicals, and the use of New Approaches Methodologies in risk assessment, especially in the area of immunotoxicology and Developmental Neurotoxicology.

- **GORNIAK Silvana**

Silvana Górnica is currently Full Professor of Veterinary Pharmacology and Toxicology in the School of Veterinary Medicine at University of São Paulo. Silvana Górnica holds a DVM degree (1983), MSc (1986) and PhD from the University of São Paulo (1988). She is a member of several national advisory committees and is Scientific Advisor of the Federal Council of Veterinary Medicine for matters relating to Veterinary Pharmacology and Toxicology. Head of the research group in Applied Veterinary Pharmacology and Toxicology of the Brazilian Research Council. Coordinator of the Research Center of Veterinary Toxicology, University of São Paulo. Her research interest includes toxicological testing in vivo: development of animal models and clinical evaluation of safety and efficacy of veterinary drugs, which resulted in over 130 original scientific publications. Dr. Górnica is editor of the following books: Pharmacology Applied to Veterinary Medicine; Pharmacology Applied to Aviculture; Drugs in Food Animals; Toxicology Applied to Veterinary Medicine. She has also published more than 100 chapters in books related to these areas. Silvana is also expert roster for the Joint FAO/WHO on the FAO/WHO Expert Committees on Food Additives (JECFA).

- **HALLDORSSON Thorhallur**

Thorhallur I. Halldorsson is a professor at the Faculty of Food Science and Nutrition at the University of Iceland where he teaches courses in biostatistics and nutritional epidemiology. He also holds an external position as senior scientist at the Department of Epidemiology Research, Statens Serum Institut, Copenhagen, Denmark. His main research activities have been within nutritional and environmental epidemiology covering both observational studies and human interventions. Within this area of research he has published over 200 peer-reviewed publications in International Journals. Thorhallur is a member of the committee revising the 2022 Nordic Nutrition recommendations and the Nordic Council of ministers. Since 2015 he has been a member of the European Food Safety Authority Scientific Committee and he has been a member of several EFSA working groups on chemical risk assessment as well as working groups focusing on methodological development in risk assessment. He is also since 2021 a member of the Committee on Toxicity of Chemicals (COT) under the Food Standards Agency.

- **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 International and Dietary Exposure Assessment section and oversees the 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). 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.

- **INAYAT-HUSSAIN Salmaan**

Dr Salmaan INAYAT-HUSSAIN is the Head, Environment, Social Performance and Product Stewardship, Group Health, Safety and Environment at Petroliam Nasional Berhad. He is an Adjunct Professor at the Department of Environmental Health Sciences, Yale School of Public Health. He has previously held senior governmental positions including Professor of Toxicology & Dean of the Faculty of Health Sciences, Universiti Kebangsaan Malaysia and Director, Melaka Biotechnology Corporation. Salmaan obtained a PhD in Biochemical Toxicology from the University of Leicester, England in 1997. Salmaan is an American Board-Certified Toxicologist, Eurotox Registered Toxicologist and Fellow of the Academy of Sciences, Malaysia. Currently, Salmaan is an editorial board member for several journals including Human and Experimental Toxicology, Journal of Toxicological Sciences, Toxicology Methods and Mechanisms and Genes and Environment. Furthermore, Salmaan was the Director of the International Union of Toxicology Executive Committee from 2016-2022. Salmaan has participated in working groups /meetings organised by international organisations such as WHO, UNEP and APEC Chemical Dialogue and has been a WHO/FAO JMPR expert since 2011.

- **KANUNGO Debabrata**

Dr. Debabrata Kanungo, a medical post graduate(MD), is former Additional Director General, Ministry of Health and Family Welfare Government of India .He is former Expert (Medical Toxicology and Risk Assessment) and also member expert Medical Toxicology with Central Insecticides Board & Registration Committee, the National Pesticide Registration Authority ,Ministry of Agriculture and Farmers' Welfare, Govt. of India, He was the Chairman of the Scientific Panel on Residues of Pesticides,(2009-2019); the Chairman of Scientific Panel on Food Additives, flavourings, Processing aids and materials in contacts with foods(2020-2022);and Member of Scientific Committee under Food Safety and Standards Authority of India (FSSAI)(2009-2022). He has 40 years of work experience in regulatory toxicology dealing with human health risk assessment of chemicals including pesticides at National and International level. Got his training in Advance Toxicology from RIVM, The Netherlands. He also got trained in Japan on assessment of health hazards due to modernization of Agriculture. He is the main architect of "Guidance document on Toxicology for registration of Pesticides in India" (Kanungo Committee Report) harmonized with OECD. He is actively associated with WHO Toxicology Core Assessment Group as an WHO Expert for more than three decades in preparation of various "Environment Health Criteria (EHC) and Concise International Chemical Assessment Documents (CICADs) on pesticides and Chemicals.

Besides, Dr. Kanungo is an expert on the WHO expert panel in JMPR (Joint FAO/WHO Meeting on Pesticide Residue) since 2006 and on the expert roster for the Joint FAO/WHO Expert Committees on Food Additives (JECFA). (Veterinary Drugs & Additives). He was also WHO Expert in FAO/WHO Joint Meeting on Pesticide Specification (JMPS). Dr. Kanungo has led Indian Government Delegations for a number of times in CCPR Meetings in various countries. Recipient of FICCI Award, 2019 for highest contribution in academia in chemical and petrochemical sector. Recipient of Prof.B.N.Ghose Oration from Indian Pharmacological Society(IPS) and Prof.S.H.Zaidi Oration from CSIR-Indian Institute of Toxicology Research, Lucknow, India. He is the Chairman/Member of a number of Past and Present Technical/Advisory Committees of National and International importance viz. Ministry of Health, FSSAI, Tea board of India, etc. Widely travelled throughout the globe in his professional capacity. Dr. Kanungo is a regular invited speaker in several meetings related to toxicology and chemical risk assessment both at National and International Level.

- **LIU Zhaoping**

Dr. Liu Zhaoping is senior scientist and deputy director of China National Centre for Food Safety Risk Assessment (CFSA). He has worked in chemical risk assessment and developed risk assessment guidelines in China since 2009 after 7-year professional experience in toxicological research. Dr. Liu is appointed as secretary-general of Chinese National Expert Committee of Food Safety Risk Assessment and has been involved in preparing for risk assessment reports and scientific advice to food safety decision-makings at national level. Additionally, He is also involved in safety evaluation of novel food and food additives.

- **LOGAN Sheila**

Dr Logan Sheila 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 finalisation 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. Since 2021, 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.

- **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 authorisation and preparation of dossiers for classification and labelling of these substances under the federal Pest Control Products Act. This is her sixth year participating in the Joint Meeting on Pesticide Residues as a technical expert for the World Health Organization.

- **LURMAN Glenn**

Dr Glenn Lurman completed a Master of Science in pharmacology and toxicology in New Zealand before moving to Germany to undertake a doctorate in integrative biology and then working as an academic. In 2015, he started his role at the German Federal Institute for Risk Assessment (BfR) in Berlin. His responsibilities have variously included drafting and review of assessment reports for EU approval and authorization procedures, classification and labelling of active substances and plant protection products, assessment of groundwater and residue metabolites, non-dietary exposure assessments. Dr Lurman has also contributed to the drafting of several guidance documents.

- **MENDEZ Elizabeth**

Dr. Elizabeth Méndez is the Senior Science Advisor in the US EPA's Office of Pesticide Programs Health Effects Division (OPP/HED). She has 20 years of experience in regulatory toxicology overseeing a number of projects intended to advance the state of the science and risk assessments produced by the OPP. She works closely with staff scientists providing guidance on bridging, mode of action data analysis, hazard characterization, endpoint selection, identifying data gaps, and protocol reviews. She co-chaired the Organization for Economic Cooperation

and Development (OECD) Expert Group on Developmental and Reproductive Toxicology that developed the Extended One Generation Reproductive Toxicity Study (EOGRS) Test Guideline. She has also served in several OECD Review Panels on several proposed Adverse Outcome Pathways as well as the Developmental Neurotoxicity and Thyroid Methods Development Expert Groups. She also co-chairs the Interagency Coordinating Committee on the Validation of Alternative Methods (ICCVAM) Developmental and Reproductive Toxicology Workgroup.

- **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 100 papers in peer-review journals.

- **MOSESSO Pasquale**

Pasquale Mosesso (PM) is 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 is also responsible of 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 is also accomplished. Special activity is also devoted to the development of new methods and strategies for genetic toxicity testing.

In its personal capacity, Pasquale Mosesso has been 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 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 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 scientific employee at the Federal Institute for Risk Assessment (BfR) in Berlin, acting



as the deputy unit leader “Toxicology of active substances and their metabolites” 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 and drafted a number of monographs.

- **PINEIRO Silvia**

Silvia Piñeiro received her Ph.D. from the University of Bahia Blanca, Argentina, and has held positions as a postdoctoral research associate, assistant professor, professor and senior scientific associate, at the University of Iowa, University of Buenos Aires, University of Salvador, BioSidus S.A. (Biotech Company), and University of Maryland. From 2009 until 2022, she held a faculty visiting scientist position at the School of Medicine, Johns Hopkins University. Since 2009, she is a senior regulatory review scientist in the area of microbial food safety, Division of Human Food Safety, CVM/FDA. Much of the work in Dr. Piñeiro’s division is on Agency policy development and national/international work on microbial resistance and microbiome issues. Her primary role is reviewing submissions towards the drug approval of new animal drugs from the perspective of the human intestinal microbiome (FDA/GFI#159) and antimicrobial resistance (FDA/GFI#152); also collaborates on research projects addressing regulatory needs and data gaps on antimicrobial resistance and the impact of residues on human intestinal microbiome. Currently, she serves as chair of the FDA Interagency Microbiome Working Group and FDA representative for the FDA-NIH-NIST-USDA Joint Agency Microbiome (JAM) Leadership Committee. Additionally, she is in the ASM Board of Directors MD branch, in the ASM COMS governance and serving in the role of Community Leader for ASM’s Antimicrobial Agents and Resistance (AAR) Community. She served as an expert member, co-chair and chair of the Microbiological Acceptable Daily Intake Expert Working Group (mADI EWG) at the International Cooperation on Harmonization of Technical Requirements for Registration of Veterinary Medicinal Products (VICH), which is a trilateral (EU-Japan-USA) program aimed at harmonizing technical requirements for veterinary product registration. Since 2016, she has been appointed scientific expert member of the FAO/WHO Expert Committee on Food Additives (JECFA).

- **POULIQUIN Pierre**

Dr Pierre Pouliquin is a senior toxicologist at the Australian Pesticides and Veterinary Medicines Authority that he joined in 2016. He has worked in regulatory science since 2009 when he joined Food Standards Australia New Zealand where he conducted dietary exposure risk assessments, worked on food composition, and participated in the Australian Health Survey 2011-2013. Previously, Pierre conducted 17 years of research on membrane transport systems with a focus on structure-function relationship and protein-protein interactions. He started this work on plants (NO<sub>3</sub><sup>-</sup> and H<sup>+</sup> transport, CNRS/INRA/ENSAM Montpellier, France) and pursued in heart and skeletal muscle function in health and disease (Ca<sup>2+</sup>, RyRs) in various animal models and humans (Ulm University Hospital, Germany; Università Degli Studi Di Ferrara, Italy and John Curtin School of Medical Research, Australia). Pierre studied biochemistry, biology, plant production and in 1996 obtained a PhD in physiology at Université Montpellier II (France).

- **RUDZOK Susanne**

Dr. Susanne Rudzok has worked 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.

- **STIER Agnes**

Agnes Stier is a regulatory toxicologist working for the National Food Chain Safety Office (NÉBIH) in Budapest, Hungary. Her job includes evaluation of mammalian toxicity studies of pesticide active substances and plant protection products, and risk assessment for operators, workers, bystanders and residents of plant protection products. Prior to moving to food safety, Agnes worked with biocide evaluations at the Hungarian National Chemical Safety Authority. She studied Molecular Biology at the University of Vienna, and then obtained a BSc degree in Biomedical Science from Anglia Ruskin University. Her initial undergraduate studies were followed by an MSc in Toxicology from the University of Birmingham, a BSc in Geography and Environment from the London School of Economics and Political Sciences and an MSc in Public Health (Environmental and Health) from the London School of Hygiene and Tropical Medicine.

- **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 works 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 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.

- **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. In 1988 he acquired his PhD, based on research into the role of ACTH-neuropeptides in brain plasticity. Following his PhD 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). Since 2015 he is a member of the EFSA PPR-Panel.

- **YOKOYAMA Yoko**

Dr Yoko Yokoyama started her working carrier as a risk manager in charge of toxicological inspection of pesticides in 1992. She has experience as a regulatory expert in the area of pesticide registration. She has worked as a secretariat of pesticide committee at Food Safety Commission of Japan (FSCJ) since 2011. In this position, she has been involved in preparing draft review reports of pesticide residues.

- **YOSHIDA Midori**

Dr. Midori Yoshida was a commissioner of Food Safety Commission of Japan (FSCJ), Cabinet Office during 2015 to 2021 and retired there June 2021. FSCJ is the responsible organization for risk assessment of chemicals and microorganisms in foods in Japan. Her major work at FSCJ was progression of dietary risk assessment of chemicals, especially toxicology of pesticides and veterinary medicinal drugs. She previously worked for National Institute of Health Science, the Ministry of Health Labor and Welfare as a section chief of Division of Pathology, Biological Safety Research Center. She has over 40-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 started risk assessment of pesticide residues at FSCJ in 2003 when it was established. She has also 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.

## FAO PANEL EXPERTS

- **ANAGNOSTOPOULOS Christos**

Dr Chris Anagnostopoulos is a senior researcher and Head of the Laboratory/Unit of Pesticide Residues of Benaki Phytopathological Institute (Greece). He has more than 15 years of experience in chemical analysis, dietary risk assessment and regulatory affairs in the field of pesticide residues and contaminants in foods and feed. He is involved as a regulatory expert in the risk assessment of pesticides and biocides in the frames of the EU and national legislation. He has also participated as a project leader or part of a research team(s) in National and EU funded scientific projects in the field of pesticides, food safety, risk assessment and analytical chemistry. He has published over 50 scientific papers and presented numerous lectures at National or International meetings in the field of analytical chemistry, pesticide residues and dietary risk assessment. Dr Anagnostopoulos has a degree in Agricultural Science and Engineering (Specialization in Crop Science) and a M.Sc. in Agricultural Economics & Rural Development from the Agricultural University of Athens (Greece). He holds a PhD in Agricultural Science from the same University, specializing in the development of analytical methods for the determination of contaminants in food and feed.

- **CUDMORE Julian**

Dr Julian Cudmore has a degree and PhD in analytical chemistry. He is currently the Head of the MRL Team within the Chemicals Regulation Division (CRD) of the UK Health and Safety Executive. He has worked in CRD since 2006 where his role involves the evaluation of pesticide and biocide residues data as part of the registration and MRL setting processes. While working at CRD Julian has delivered training to international audiences on consumer exposure assessments for pesticides. He is the head of the UK delegation for the CCPR and has represented the UK on several codex working groups. Prior to joining CRD Julian worked in the food industry where his role included analytical method development and analysis of food for environmental contaminants and pesticide residues. Julian has served as an expert on the FAO/WHO Joint Meeting on Pesticide Residues (JMPR) since 2017.

- **DOHERTY Michael**

Dr. Michael Doherty is currently a senior scientist in the Health Effects Division of the U.S. Environmental Protection Agency's Office of Pesticide Programs. Prior to joining the EPA in 1998, Dr. Doherty worked for the U.S. Department of Agriculture's Agricultural Research Service, investigating the fate of pesticides in the environment under different agronomic practices. He received his MS and Ph.D. degrees from the University of Maryland, where his research focused on the environmental toxicology of agricultural contaminants and on the biochemical effects of pesticide mixtures. Dr Doherty has authored six papers in peer-reviewed journals. In his work at EPA, Dr. Doherty has authored numerous residue chemistry evaluation and human health risk assessments and provided technical training to groups within the U.S. Government and to international audiences. He is a member of the OECD's Residue Chemistry Expert Group dealing with pesticides and has served as an expert of the FAO panel for the Joint Meeting on Pesticide Residues since 2013.

- **GIORDANO Jack**

Mr Jack Giordano joined the Health Effects Division of the U.S. Environmental Protection Agency's Office of Pesticide Programs in 2018. At the EPA he evaluates pesticides for residue chemistry and dietary risk assessment. Jack has served as the co-chair for EPA's residue chemistry and dietary exposure science advisory councils. Prior to the EPA, Jack worked as an analytical chemist quantifying contamination in soil and groundwater. Jack attended the University of Central Florida where he studied biomedical sciences with a focus on biochemistry. While at university, he volunteered in a biochemistry lab where his role was expressing and isolating a protein that plays a role in both

HIV infection and breast cancer metastasis.

- **HEIDLER Jochen**

Dr. Jochen Heidler is a scientific officer at the German Federal Institute for Risk Assessment since 2008 and works since 2012 in the department of pesticide safety. He is responsible for the evaluation of analytical studies in the context of national and EU authorization procedures. On the national level he is a member in the Expert Group for Pesticide Residue Analytical Methods (EPRA). Additionally, he has participated in EFSA's Pesticides Peer Review Expert Meetings for residues and physical & chemical properties and is a member in OECD's Residue Chemistry Expert Group for analytical methods. He holds a Master of Science in Biochemistry from the Eberhard- Karls-Universität Tübingen, Germany and received his PhD in Environmental Health Sciences from the Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, USA. Jochen Heidler joined the JMPR for the FAO panel in 2017.

- **KOBAYASHI Hidetaka**

Dr Hidetaka Kobayashi is Coordinator in charge of crisis management on food safety in the Ministry of Agriculture, Forestry and Fisheries of Japan (MAFF). He received a Ph.D. degree from Hokkaido University by the research on the lipid oxidation. He has worked for pesticide management and food safety in MAFF, including Director of Agricultural Chemicals Office in charge of pesticide registration, Senior Researcher on analytical chemistry and a risk manager of contaminants in foods and soils. During the period, he participated in Codex Alimentarius Commission and various Codex committees, including CCPR, as the head of the Japanese delegation, and served as Vice-Chair of the Working Party on Pesticides in OECD (2021-2023). He has also worked as a member of the Codex Secretariat in FAO. He has participated in the Joint FAO/WHO Meeting on Pesticide Residues since 2019.

- **LE Monica**

Ms Monica Le is senior scientist within the Health Evaluation Directorate of the Pest Management Regulatory Agency of Health Canada. She is responsible for the evaluation of residue chemistry related studies and assessing dietary exposure/conducting risk assessments of pesticides. She is involved with the International Crop Grouping Consulting Committee (ICGCC) to revise and update residue chemistry crop groups and the CODEX Alimentarius working group on the Revisions to the Classification. Ms Le has participated in the FAO/WHO Joint Meeting on Pesticide Residues since 2019.

- **LEE Mi-Gyung**

Mi-Gyung Lee is currently a professor at the Dept. of Food Science and Biotechnology at Andong National University of the Republic of Korea. She is a food chemist and has been a faculty member of the University since 1999. Her research has focused on residue analysis and dietary risk assessment for pesticide residues, publishing over 50 scientific papers in peer-reviewed journals. She has played a key role in developing the Korean pesticide regulatory system. Since 2005, Professor Lee has participated in the Codex Committee on Pesticide Residues as a Korean delegation and joined the FAO/WHO Joint Meeting on Pesticide Residue for the FAO panel in 2012.

- **LEAHIGH Arion**

Dr. Arion Leahigh joined the Health Effects Division of the U.S. Environmental Protection Agency's Office of Pesticide Programs in 2020. She holds a degree in chemistry from the University of Pittsburgh and a Ph.D. from George Mason University, where her research focused on surface water processes influencing alterations in pharmaceutical chemical compositions following wastewater discharge into freshwater estuaries. Dr. Leahigh has co-authored two

papers in peer-reviewed journals. In her work at EPA, Dr. Leahigh has served as the co-chair for EPA's residue chemistry and dietary exposure science advisory councils, authored numerous residue chemistry evaluation, dietary exposure, and human health risk assessments, and coordinates training efforts within the division. She has served as an expert of the FAO panel for the Joint Meeting on Pesticide Residues since 2020 and is a member of the OECD's Residue Chemistry Expert Group Subgroup on Analytical Methods as of 2023.

- **LESTER Sara**

Ms Sarah Lester has worked in the area of pesticide regulation in New Zealand since 2001, including pesticide residue assessment. Trained in horticultural science, she holds an M.Sc. from the University of Guelph in postharvest plant physiology. Currently the Specialist Advisor (Agricultural Chemicals) in the Agricultural Compounds and Veterinary Medicines team at the NZ Ministry for Primary Industries, she is involved in the technical aspects of the pesticide registration process, including residue evaluations and risk management, and the MRL setting process.

- **LUNN Dave**

Mr Dave Lunn has worked in the area of pesticide regulation, particularly the pre-clearance safety evaluation of pesticides in New Zealand since 1972, moving into the more technical aspects of pesticide residue assessment and MRL-setting in 1995 as Chief Scientist (Pesticides) in the Ministry of Agriculture and Fisheries and Registrar of the NZ Pesticides Board. In later years, as a Senior Programme Manager in the NZ Food Safety Authority, he concentrated on providing technical advice to New Zealand exporters and producer groups on NZ's trading partner pesticide residue requirements. Before retiring in late 2022, in his position as Principal Adviser (Residues) with the Plant Exports Group of the NZ Ministry for Primary Industries, his main areas of work included the evaluation of pesticide residue dossiers as part of the NZ pesticide registration process and the provision of technical advice on national and international pesticide residue standards (MRLs), residue testing and compliance policies. He was also a member of the New Zealand delegation to the Codex Committee on Pesticide Residues (CCPR) and the Rapporteur for that Committee for close to 20 years. He also participated in FAO, OECD and APEC technical workshops on pesticide residue assessment and management and has served as an expert on the FAO/WHO Joint Meeting on Pesticide Residues (JMPR) since 2002.

- **MACLACHLAN Dugald**

Dr Dugald MacLachlan is director of residues and microbiology policy in the Exports Division of the Australian Federal Department of Agriculture and Water Resources. He has worked in this area since 2001 and it is a role that involves risk assessment relating to pesticides, veterinary drugs and contaminants. He is involved in the work of Codex, leading Australian delegations to Codex Committee on Residues of Veterinary Drugs in Food as well as to Codex task forces on antimicrobial resistance and animal feeding. A particular interest has been in models for predicting pesticide residues in crops and the potential for their transfer from feed to animal commodities. Dr MacLachlan is a chemist by training and is the author of 39 peer reviewed papers and has served since 2000 as a member of the FAO/WHO Joint Meeting on Pesticide Residues. He has contributed to the drafting of various OECD test guidelines and guidance documents.

- **MAHIEU Karin**

Ms Karin Mahieu is a European Registered Toxicologist (ERT) and studied medical biology at the University of Amsterdam, where she graduated in 1995 (BSc). For several years she worked as a toxicological risk assessor at TNO in Zeist on new and existing chemicals (now REACH) and on pesticides. Since 2009 she holds a position as toxicological risk assessor at RIVM (Dutch National Institute for Public Health and the Environment) in the field of pesticides and biocides, making a slight shift from human toxicology to residue evaluations. In this position she has been involved

in preparing pesticide residue evaluations for Draft Assessment Reports for the EU and supporting with preparing residue evaluations for the JMPR since 2014.

- **POFLOTSKI Daniel**

Mr Daniel Poflotski is a Senior Residues Evaluator/Assistant Director of Residues and Trade at the Australian Pesticides and Veterinary Medicines Authority. He is a BSc graduate of the University of New England Australia majoring in Chemistry. With previous experience at the Department of Primary Industries New South Wales and as a Laboratory Manager for a NATA accredited laboratory focused on soil, plant and water analysis and reporting he has a combined experience of 10 years working in regulation within Australia and 15 years focusing on study design, analysis, quality assurance, interpretation and reporting related to optimising agricultural systems. Daniel Poflotski joined the JMPR for the FAO panel in 2020.

- **SIEKE Christian**

Mr Christian Sieke is a scientific employee at a German regulatory agency. He is a food chemist by training and has extensive experience in the consumer risk assessment of pesticides. Since 2003, he has been involved in the evaluation of pesticide residues. This includes the preparation of assessment reports on the residue behaviour of pesticide active ingredients in the context of national and EU-wide authorisation (Regulation (EC) No 1107/2009). On national level he is also a member of the expert advisory panel for the German food monitoring program and responsible for developing consumer exposure models based on German consumption data. Additionally, he participated in EFSA's Pesticide Peer Review Panel and is an expert at the residue chemist expert group (RCEG) of OECD. Christian Sieke joined JMPR at 2006 for the FAO group.

- **THOMAS Monique**

Ms Monique Thomas is a residue chemist and the section head of the Antimicrobials and Insecticides exposure section within the Health Evaluation Directorate of the Pest Management Regulatory Agency of Health Canada. In this capacity, she is responsible for overseeing dietary and occupational/residential exposure and risk assessments relating to these classes of pesticides. She continues to be involved in international projects under CUSMA and OECD, contributing to the drafting of various food residue chemistry policies and guidelines/guidance documents. Most recently, Ms Thomas was appointed as Head of the Canadian Delegation at CCPR (Codex Committee on Pesticide Residues) meetings. Ms Thomas has served since 2014 as a member of the FAO/WHO Joint Meeting on Pesticide Residues.

- **VAN DER VELDE-KOERTS Trijntje**

Ms Trijntje van der Velde-Koerts is trained as chemist (BSc) and since 2000 she holds a position as food safety advisor at RIVM (Dutch National Institute for Public Health and the Environment) in the field of pesticides, biocides and veterinary medicines. In this position she has prepared many pesticide residue evaluations for Draft Assessment Reports for the EU. Trijntje is a Member of the Residue Chemistry Expert Group of the OECD since 2007 and a Member of the FAO panel of the Joint FAO/WHO Meeting on Pesticide Residues (JMPR) since 2008. Trijntje is also involved in the preparation of the Dutch and JMPR models for estimation of pesticide residue dietary exposure.

- **YAMADA Yukiko**

Dr Yukiko Yamada is international food safety consultant. She used to teach in a university in Japan. She served in the Codex Secretariat responsible for many Codex Committees including the Codex Committee on Pesticide Residues. After that, she worked in the Ministry of Agriculture, Forestry and Fisheries (MAFF), Japan, mostly in the areas of food and feed safety. After her retirement from MAFF as Director-General for Technological Affairs/Chief Scientific Officer in 2013, she led a significant overhaul of the Agricultural Chemical Control Act in MAFF as senior

adviser, and also helped MHLW revise the general principles for setting maximum residue limits for pesticides in 2019. She is now providing guidance and advice to MHLW on risk management of contaminants and residues of pesticide and veterinary drugs. She has participated in the Joint FAO/WHO Meeting on Pesticide Residues since 2001. She is a member of the OECD Residue Chemistry Expert Group.