Joint FAO/WHO Expert Committee on Food Additives (JECFA)
Eighty fifth Meeting
Geneva, 17-26 October 2017

Experts participating in the meeting
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WHO PANEL EXPERTS

BOOBIS, Alan
Imperial College London
Alan Boobis is currently Professor of Toxicology in the Faculty of Medicine at Imperial College London. He has been a member of Imperial College London for over 40 years. His research interests include mechanistic toxicology, chemical risk assessment and food safety. He has published over 240 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) 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 of ILSI (International Life Sciences Institute) HESI, vice-president of ILSI Europe and chair of ILSI. Awards include fellowship of the Society of Biology, the British Toxicology Society (BTS) and 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 US SOT Arnold J Leeman Award and Officer of the British Empire (OBE).

CERNIGLIA, Carl
US Food and Drug Administration (FDA)
Dr. Carl E. Cerniglia is a Senior Biomedical Research Service (SBRS) Research Microbiologist, Director of the Division of Microbiology at the National Center for Toxicological Research (NCTR), US Food and Drug Administration (FDA) and elected member of the American Academy of Microbiology. He is also an adjunct Professor in the Department of Pharmacology and Toxicology at the University of Arkansas Medical Sciences, Little Rock, AR. Dr. Cerniglia leads a team at the NCTR that has impacted public health in a variety of research areas including food safety, antimicrobial resistance, environmental biotechnology, nanotechnology, women's health and human intestinal microbiome-host interactions. Dr. Cerniglia's research has resulted in over 400 scientific publications and numerous book chapters and review articles. His research has been frequently highlighted in the scientific and popular press. Dr. Cerniglia has made more than 400 invited presentations at national and international conferences and meetings and is also an ASM Foundation of Microbiology lecturer. The research achievements of Dr. Cerniglia has been recognized by national and international awards from the Food and Drug Administration, American Pharmaceutical Association, International Society of Toxicity Testing, American Society for Microbiology, and American Academy of Microbiology and U.S. Department of Health and Human Services. Dr. Cerniglia was recently awarded the Silver Medal by the World Health Organization for outstanding scientific contribution to the Joint Expert Committee on Food Additives (JECFA) in advancing science-based risk assessments on evaluating the effects of veterinary drug residues and other food contaminants on the human intestinal microbiome, the FDA Lifetime Achievement Award, the FDA Commissioner's Award Merit, the DHHS Outstanding Leader Award in providing mentoring, training and career advancement opportunities to employees in a diverse workforce and Distinguished Alumnus Award at North Carolina State University.

DOERGE, Daniel
US Food and Drug Administration (FDA)
Daniel R. Doerge was awarded the B.S. degree from Oregon State University and the Ph.D. degree from University of California, Davis. He was Assistant/Associate Professor of Environmental Biochemistry at the University of Hawaii. Since 1992, he has been a Research Chemist in the Division of Biological
Toxicology at the U.S. Food and Drug Administration's National Center for Toxicological Research in Jefferson, AR. His areas of research specialization have been: chemical and biochemical mechanisms of toxicity; thyroid toxicology; toxicity of soy isoflavones, acrylamide, bisphenol A, and inorganic arsenic; applications of modern mass spectrometry that emphasize high throughput determinations of pharmacokinetics and DNA adducts; and chemical risk assessment. A common strategy in this food safety research is the integration of toxicokinetics and human biomonitoring with PBPK modeling to minimize uncertainty in the extrapolation of human risks from experimental animal toxicity testing. More than 270 peer-reviewed publications have resulted from this work. Dr. Doerge has served on chemical risk assessment advisory committees for the European Food Safety Authority (2008-2016), the World Health Organization (2005, 2010, 2016), and the U.S. Environmental Protection Agency (2008, 2014). He also served as Editor-in-Chief for Archives of Environmental Contamination and Toxicology (2006-2013).

GÓRNIAK, Silvana
University of São Paulo
Silvana Górniak is currently Full Professor of Veterinary Pharmacology and Toxicology in the School of Veterinary Medicine at University of São Paulo. Silvana Górniak holds a DVM degree (1983), MSc (1986) and PhD from the University of São Paulo. 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. She is the head of the research group in Applied Veterinary Pharmacology and Toxicology of the Brazilian Research Council and the 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 110 original scientific publications. Dr. Górniak 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 50 chapters in books related to these areas.

MUELLER, Utz
Australian Pesticides and Veterinary Medicines Authority (APVMA)
Dr Utz Mueller is currently the Principal Toxicologist at the Australian Pesticide and Veterinary Medicines Authority (APVMA). Prior to joining APVMA in 2016 he was the Principal Toxicologist and Manager of the Risk Assessment – Chemical Safety and Nutrition Section in Food Standards Australia New Zealand. Dr Mueller holds a Bachelor of Science (Hons) and PhD in Pharmacology from the University of Western Australia, Perth, WA. Dr Mueller was a Senior Research Fellow at Flinders University in South Australia prior to joining the Therapeutic Goods Administration in 1996 where his primary task was the safety evaluation of pre-market therapeutic drugs. He subsequently joined the Office of Chemical Safety in 1997 to undertake and lead teams involved in pre-market safety assessments and review the safety of existing agricultural and veterinary chemicals. He has also been a scientific advisor for the FAO/WHO Joint Meeting on Pesticide Residues (JMPR) and Joint Expert Committee of Food Additives (JECFA) for several years. He is currently a JECFA panel member.

RITTER, Leonard
The University of Guelph
Leonard Ritter holds a BSc (1973) and MSc (1974) from Sir George Williams University (Montreal, Canada). Dr Ritter completed his PhD studies in biochemistry at Queen's University (Kingston, Ontario, Canada) in 1977. Following a post-doctoral fellowship in the Toxicology Research Laboratory at Health Canada, Dr Ritter took up various positions of progressive responsibility at Health Canada, including Chief of the Pesticides Division, Chief of Tobacco Control, Chief of the Product Safety Division and Director of the Bureau of Veterinary Drugs. In 1993 Dr Ritter was appointed Professor of Toxicology in the Dept. of Environmental Biology at the University of Guelph (Guelph, Canada) and Executive Director of the Canadian Network of Toxicology Centres; positions he held until 2011. In 2011, Dr Ritter was appointed Professor Emeritus (toxicology) at the University of Guelph. Dr Ritter is a Fellow of the Academy of Toxicological Sciences and a recipient of the Government of Canada Excellence in Science Award and Achievement Award.
SCHEFFERLIE, Johan
The agency of the Dutch Medicines Evaluation Board
Johan Schefferlie has worked as a toxicological risk assessor since 1993. He started at the Dutch National Institute for Public Health and the Environment (RIVM) and is currently employed at the agency of the Dutch Medicines Evaluation Board. He was a member of the Safety of Residues Working Party of the Committee for Medicinal products for Veterinary Use (CVMP) at the European Medicines Agency (EMA), and responsible for the toxicological evaluation of pharmacologically active substances in the context of the establishment of Maximum Residue Limits (MRLs) in food of animal origin. He became the Dutch member of the CVMP in 2007 and served terms as vice-chair of the CVMP and chair of the Safety Working Party of the CVMP. Since 2016, he is a co-opted member of the CVMP in the area of Residue metabolism and pharmacokinetics.


BOISON, Joe
Canadian Food Inspection Agency (CFIA)
Dr Boison holds a Ph.D. in Analytical Chemistry from McMaster University, Canada. In 1986, he accepted a Research Scientist’s position with the Canadian Food Inspection Agency (CFIA) where he has since been developing and validating sensitive methods for the detection and confirmation of veterinary drug residues and contaminants in fresh slaughter meats and processed foods. He was appointed Adjunct Professor of Chemistry in 1986, Adjunct Professor of Veterinary Biomedical Sciences in 2000, Consulting Fellow of the World Innovation Foundation in 2003 and Fellow of the Association of Official Analytical Communities (AOAC) in 2012. He has been a subject matter expert for the Canadian delegation to the Codex Alimentarius Committee on Residues of Veterinary Drugs in Foods (CCRVDF) since 2002, a member of the Joint FAO/WHO Expert Committee on Food Additives (JECFA) since 2007, an Expert Reviewer for veterinary drugs for the AOAC Research Institute (AOACRI) since 1990, Editor for the Journal of AOAC International and a member of the AOACRI Board of Directors since 2007. In 2011, he received the CFIA President’s Award for Scientific Innovation and Leadership Excellence and was awarded AOAC International’s most prestigious award for lifetime scientific excellence, the H.W. Harvey Award in 2015.

CHICOINE, Alan
Veterinary Drugs Directorate, Health Canada
Dr Chicoine graduated from the Western College of Veterinary Medicine (WCVM) in 2003. He worked in a mixed animal practice for two years, and then in 2005 started graduate studies and a residency in clinical pharmacology focusing on drug residues in food animals. In 2007, he completed his MSc and passed his American College of Veterinary Clinical Pharmacology board exams. Dr Chicoine currently has a half-time assistant professor position in the Department of Veterinary Biomedical Sciences at the WCVM, where he primarily teaches physiology and pharmacology. He is also a drug evaluator for the Clinical Evaluation and Human Safety Divisions of Health Canada’s Veterinary Drugs Directorate. His areas of interest include drug residues, pharmacokinetics and bioequivalence, and antimicrobial resistance issues.

CRESSEY, Peter
Institute of Environmental Science and Research Limited (ESR)
Peter Cressey is a Senior Scientist in the Risk and Response Group of the Institute of Environmental Science and Research in Christchurch, New Zealand. He has over 25 years of 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, allergens, natural toxins 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 approximate 30 papers in peer-reviewed publications and has been lead author on more than 100 client reports.
ERDELY, Holly
U.S. Food and Drug Administration’s Center for Veterinary Medicine
Holly Erdely received her Ph.D. from the department of Pharmacology and Experimental Therapeutics at the University of Maryland School of Medicine in Baltimore (Maryland, USA) in 2006. She also has a M.S. degree in pharmacology from the same department and a B.S. in chemistry from the University of Maryland, College Park (College Park, Maryland, USA). Since 2006, Dr Erdely has served as a Pharmacologist in the Division of Human Food Safety at the U.S. Food and Drug Administration’s Center for Veterinary Medicine, evaluating residue chemistry studies and information in support of the human food safety evaluation of compounds for use in food producing animals. She has served as a technical expert for the Joint WHO/FAO Expert Committee on Food Additives (JECFA) on Veterinary Drugs in Food since 2013.

FINNAH, Anke
German Federal Office of Consumer Protection and Food Safety
Position: Scientific officer, German Federal Office of Consumer Protection and Food Safety, Berlin
Expertise: Residues of veterinary drugs, Withdrawal periods, MRL Procedures, (Veterinary) Epidemiology
Education: Veterinary Medicine, Free University Berlin, Germany (2000); Dr. med. vet., Institute of Veterinary Physiology, Free University Berlin, Germany (2003); M. Sc. Epidemiology, Johannes-Gutenberg University Mainz, Germany (2012)
Experience: Present position since 2010; 2004-2010: Scientific officer, German Federal Office of Consumer Protection and Food Safety, Berlin, Post-marketing / Pharmacovigilance; 2003-2004: Postdoctoral research fellow, Institute of Veterinary Physiology, Free University Berlin, Germany; Since 2010: Member of the German Society of Pharmacology; 2013: Veterinary Specialist for Epidemiology; 2008-2010: Member of the EMA Joint Implementation Group; Since 2013: Co-leadership in a research project in cooperation with Free University Berlin.

FLETCHER, Samuel
UK Veterinary Medicines Directorate
Samuel Fletcher was awarded a BSc (Hons) in Chemistry, Drug Design and Toxicology from the University of Hull in 1998 and an MSc in Applied Toxicology from the University of Surrey in 2014. He has worked as a Safety Assessor for the UK National Competent Authority for the regulation of veterinary medicines, the Veterinary Medicines Directorate, since 2001. He has had extensive experience of assessing data for the authorisation of new veterinary medicinal products (including user and consumer safety), and for the approval of Maximum Residues Limits (MRLs) for veterinary drug substances in the European Union. He is a member of the British Toxicological Society and the Safety Working Party (vet) at the European Medicines Agency (EMA).

FRIEDLANDER, Lynn
U.S. Food and Drug Administration’s Center for Veterinary Medicine
Dr Lynn G. Friedlander received her BS in Biology from the George Mason University in Fairfax, Virginia. She received her Ph.D. degree in Veterinary Physiology and Pharmacology from Texas A&M University, College Station, Texas. Following a brief postdoctoral appointment at the Louisiana State University College of Veterinary Medicine, in Equine Physiology, she joined the USFDA Center for Veterinary Medicine, Office of New Animal Drug Evaluation (ONADE), Division of Human Food Safety (DHFS) as a residue chemistry reviewer. Since 2000, she has been the leader for the Residue Chemistry Team in ONADE/DHFS. The Residue Chemistry Team is responsible for reviewing the residue chemistry dossiers for drugs for use in food-producing animals seeking approval in the USA or for drugs seeking import tolerance assignments. In that regard, the team is responsible for identifying the marker residue, the target tissue, and the target tissue tolerance (similar to an MRL), establishing the withdrawal period (and, where appropriate, the milk discard time), and for identifying an appropriate analytical method for monitoring for drug residues in tissues, eggs, milk and honey. Dr Friedlander currently supervises a staff of 7 senior review scientists.

HALL, Amy-Lynn
U.S. Food and Drug Administration’s Center for Veterinary Medicine
Dr Hall received her Bachelor of Science degree in Animal Science from Cornell University (Ithaca, New York, United States) in 2004. In 2005, Dr Hall began her graduate education at Rutgers University (New
Brunswick, New Jersey, United States), receiving her Ph.D. in Endocrinology and Animal Biosciences in January 2011. Dr. Hall’s research focused on the reproductive physiology of neonatal swine. After graduate school, Dr. Hall began working at the United States Food and Drug Administration (FDA), Center for Veterinary Medicine (CVM) as a biologist on the Residue Chemistry Team with the Division of Human Food Safety. She has held her position since January 2011. Her areas of interest include drugs used in swine, as well as, the conduct of milk residue depletion studies. She provides guidance on the conduct of residue chemistry studies to ensure human food safety standards are understood and consistently applied with CVM and FDA and the regulated industry. In addition to her duties as a reviewer, Dr. Hall has been a speaker at multiple courses providing talks to FDA inspectors regarding the establishment of tolerances, health implications of drug residues, labels on veterinary drugs and the conduct of tissue and milk residue depletion studies.

PINEIRO, Silvia
U.S. Food and Drug Administration’s Center for Veterinary Medicine
Dr. Piñeiro completed her M.S. in 1987 and her Ph.D. in Biology in 1992 from the Department of Biology, Universidad Nacional del Sur, Argentina. She worked at the School of Medicine (University of Buenos Aires), School of Chemical Engineering and School of Environmental Sciences (University of Salvador, Argentina) as a professor, teaching and performing molecular and epidemiological studies of antimicrobial resistance genes. At a private biotechnology company, BioSidus S.A., she performed molecular studies on promoter sequences for gene expression. Beginning in 2003, Dr. Piñeiro was a professor and principal investigator at the School of Medicine, University of Maryland Baltimore (UMB), Baltimore, Maryland teaching and directing laboratory research molecular microbiology projects. In 2009, Dr. Piñeiro joined the Microbial Food Safety Team, Division of Human Food Safety, at FDA’s Center for Veterinary Medicine as a microbiology review scientist performing reviews in qualitative microbial food safety risk assessments and assessments to determine the safety of residues of veterinary antimicrobial drugs in human food with respect to their impact on the human intestinal flora. Since 2009, she’s been an Adjunct Professor at the School of Medicine, UMB, and a Faculty Scientist at the Biophysics and Biophysical Chemistry Department, School of Medicine, Johns Hopkins University.

RAMOS, Fernando
Faculty of Pharmacy, Coimbra University
Associate Professor of the Pharmacy Faculty of Coimbra University – Portugal since 2003. Senior Research of Center for Neuroscience and Cell Biology (CNC - http://www.cnbc.pt/). Member of the research team of 15 different research projects. Acting as Reviewer of several scientific journals. More than 250 presentations at national and international conferences, among lectures, poster and oral presentations. Author and co-author of more than 100 scientific publications, among books, book chapters and national and international papers. Member of the EFSA FEEDAP Panel since 2013, April, 1st till the present date. Member of the assessment group of the DGAV (Portuguese National Authority for Animal Health) related to the safety of drug residues in foods, since 2010, March, 18th till the present date. Member of the Scientific Committee of the ASAE (Portuguese Authority for Food and Economic Safety) and chair of the Panel “Additives and products or substances used in animal feed” since 2008, December, 15th till 2014, February, 2nd). Vice-chair of the Scientific Committee of the ASAE since 2014, February, 3rd till the present date Roster of JECFA (Joint FAO/WHO Expert Committee on Food Additives) related to the safety of drug residues in foods since 2004 till the present date.

RATH, Susanne
University of Campinas
Dr. Rath is Professor in Analytical Chemistry at the Chemistry Institute of the University of Campinas, Brazil. She works for more than 20 years in the areas of pharmacy, chemistry and food safety. Her main research has focused on: toxic compounds in food, residue depletion studies of veterinary drugs, development and validation of analytical methods, application of mass spectrometry, toxic compounds in cosmetics, quality control of pharmaceuticals and environmental impact assessment of antimicrobials and antiparasitic drugs. Dr. Rath graduated from the University of Brasilia, Brazil with a Bachelor degree in Chemistry and a Master degree in Analytical Chemistry. She obtained her Ph.D. in Pharmacy (1990) at the Johann Wolfgang Universität, Frankfurt, Germany. Susanne has served on working groups for the FAO/WHO Joint Expert Committee on Food Additives (since 2009), the Brazilian National Health Surveillance Agency (since 2011) and collaborated with the Laboratory Involvement in Plant and Animal Health of the Brazilian Ministry of Agriculture, Livestock and Food Supply.
REUSS, Rainer
Food Standards Australia New Zealand
Following his degree in Applied Science and his PhD studies at the University of Canberra, Dr Reuss’ career began as a Post-Doctoral Fellow and research scientist with CSIRO between 2001-2005 where his responsibilities included research planning and management of a variety of projects in food science and analytical chemistry, work on the National Residue Survey and a number of projects in the wine and grain industries. As a Senior Scientist working for Food Standards Australia New Zealand (2005-current), he has been involved in projects on food labelling and a wide variety of dietary exposure assessments including hydrocyanic acid in cassava chips, phytosterols in a number of foods, fluoride in bottled water, pesticide residues, melamine in dairy products, iodine in soy milk and seaweed, food additives, BPA and phthalates and, most recently, perfluorinated chemicals. He also has experience in data science and statistics. He has participated in the joint FAO/WHO Expert meeting to review toxicological and health aspects of Bisphenol A in November 2010 and the 78th and 81st meetings of the FAO/WHO in 2013 and 2015. He is currently the Co-chair of the Working Group on harmonizing/combining exposure from veterinary drug and pesticide use.

SANDERS, Pascal
French Agency for Food, Environmental & Occupational Health & Safety (ANSES)
Pascal Sanders graduated from Toulouse as a doctor in veterinary medicine (1985) and Doctor in pharmacology (PhD 1992). He obtained his HDR (final French University degree authorizing the leadership of Research Projects) in 1997. He started his career in 1985 at the laboratory of research for veterinary drugs of Fougères as Research scientist. He was appointed as head of unit of pharmacokinetics of veterinary drugs and head of department of veterinary drugs. He is currently the Head and research director of the laboratory of Fougères of the French Agency for food, environmental and occupational safety. The laboratory is the European Union Reference laboratory for residue of antimicrobials and dyes, the national reference laboratory for residue of veterinary drugs and for antimicrobial resistance. His main research area is linked to the pharmacology of antimicrobials used as veterinary drugs and the risk assessment for human health of the use of these compounds. He is expert for the European Medicines Agency, the European Food Safety authority and the Joint Expert committee of Food Additives. He published more than 100 scientific papers on his main topics of research.

SCHEID, Stefan
German Federal Office of Consumer Protection and Food Safety
Stefan Scheid, PhD (Dr. rer. nat.), German citizen, Study of chemistry and food chemistry in Berlin, Working since 1989 in public service in the area of consumer protection and food safety, previous employments incl. research in nutritional science/(bio)analytical chemistry. Currently employed at German “Federal Office of Consumer Protection and Food Safety”, tasks include risk assessment / management of veterinary medicinal and biocidal products, mainly issues related to food safety of residues, maximum residue limits, user safety, marketing authorizations, assessment of analytical methods. Topic leader and coordinator of international guidance documents in the area of safety assessment of residues. Member and/or chairman of EU and international working groups/committees at the EU Medicines Agency, VICH in the above area.
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