

CURRICULUM VITAE

April 2018



Title and name

Dr. Rainer Gürtler

Nationality

German

Panel / Scientific Committee

Panel on Food Additives and Flavourings (FAF)

Education

Dr. rer. nat. (Biology), 1993, Freie Universität Berlin, Germany

State Examination in Biology and Chemistry, 1988, Freie Universität Berlin, Germany

Work Experience

2002 – present	Federal Institute for Risk Assessment (BfR), Berlin, Germany	Toxicologist, Deputy Head of unit Food Toxicology, Risk assessment of food additives, flavourings, natural food ingredients and processing aids.
1997 – 2002	Federal Institute for Health Protection of Consumers and Veterinary Medicine, Berlin, Germany	Toxicologist, Risk assessment of food additives, flavourings, natural food ingredients and processing aids.
1996 – 1997	Schering AG, Institute for Experimental Toxicology, Berlin, Germany	Toxicologist, Study Director (preclinical drug development: subchronic toxicity, genetic toxicology)
1994 – 1996	Federal Institute for Health Protection of Consumers and Veterinary Medicine, Berlin, Germany	Toxicologist, Risk assessment of tobacco products, food additives, flavourings, natural food ingredients and processing aids.
1993 – 1994	Federal Health Office, Institute for Drugs, Berlin, Germany	Scientist, Research project: metabolism, hepatocytes
1990 – 1991	Freie Universität Berlin, Institute of Genetics, Berlin, Germany	Scientist, Research project: genetic toxicology

Scientific expertise

Genotoxicity
Carcinogenicity
(Mammalian) Toxicology
Chemical Risk Assessment

Most relevant scientific publications within the fields of EFSA

Publications in scientific journals, as book chapters and on the websites of the German Federal Institute for Risk Assessment, mainly on risk assessments of food additives, flavourings and food ingredients.

Gürtler R, Arcella D, 2018. Food additives. In : Heinemeyer G, Jantunen M, Hakkinen P. (eds): The practice of consumer exposure assessment. Springer Publishers, Berlin, Heidelberg, New York (accepted for publication).

Gürtler R, 2018. Hazard assessment and derivation of health based guidance values. In : Heinemeyer G, Jantunen M, Hakkinen P. (eds): The practice of consumer exposure assessment. Springer Publishers, Berlin, Heidelberg, New York (accepted for publication).

Tralau T, Oelgeschläger M, **Gürtler R**, Heinemeyer G, Herzler M, Höfer T, Itter H, Kuhl T, Lange N, Lorenz N, Müller-Graf C, Pabel U, Pirow R, Ritz V, Schafft H, Schneider H, Schulz T, Schumacher D, Zellmer S, Fleur-Böl G, Greiner M, Lahrssen-Wiederholt M, Lampen A, Luch A, Schönfelder G, Solecki R, Wittkowski R, Hensel A, 2015. Regulatory toxicology in the twenty-first century: challenges, perspectives and possible solutions. Archives of Toxicology, 89 (6), 823-850. DOI: 10.1007/s00204-015-1510-0

Gürtler R, 2014. Risk Assessment of Food Additives. In: **Reichl FX, Schwenk M (Eds.)** Regulatory Toxicology, Springer, Heidelberg, Germany, 803-812.

Truyen U, Klein G, Rösler U, Bandick N, Appel B, **Gürtler R**, 2013. Dekontamination bei Geflügel als Option für sichere Lebensmittel? [Article in German] RFL Rundschau für Fleischhygiene und Lebensmittelüberwachung 65 (3), 97-99.

Theobald A, Arcella D, Carere A, Croera C, Engel KH, Gott D, **Gürtler R**, Meier D, Pratt I, Rietjens IMCM, Simon R, Walker R, 2012. Safety assessment of smoke flavouring primary products by the European Food Safety Authority. Trends in Food Science & Technology 27, 97-108.
<https://doi.org/10.1016/j.tifs.2012.06.002>

Reifferscheid G, Maes H, Allner B, Badurova J, Belkin S, Blum K, Brauer F, Bressling J, Domeneghetti S, Elad T, Flückiger S, Grummt HJ, **Gürtler R**, Heringa M, Hollert H, Huber S, Kramer M, Hecht A, Ratte T, Sauerborn-Klobucar R, Magdeburg A, Sokolowski A, Soldan P, Stalter D, Venier P, Ziemann C, Zipperle J, Buchinger S, 2012. International round-robin study of the Ames fluctuation test. Environmental and Molecular Mutagenesis 53, 185-197. DOI: 10.1002/em.21677

Bakhiya N, Abraham K, **Gürtler R**, Appel KE, Lampen A, 2011. Toxicological assessment of 3-chloropropane-1,2-diol and glycidol fatty acid esters in food. Molecular Nutrition and Food Research 55, 509-521. DOI: 10.1002/mnfr.201000550

Abraham K, **Gürtler R**, Berg K, Heinemeyer G, Lampen A, Appel KE, 2011. Toxicology and risk assessment of 5-hydroxymethylfurfural in food. *Molecular Nutrition and Food Research* 55, 667-678. DOI: 10.1002/mnfr.201000564

Gürtler R, 2010. Safety of food additives from a German and European point of view. [Article in German] *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz*, 53 (6), 554-560. DOI: 10.1007/s00103-010-1073-4

Gürtler R, 2007. Lebensmittelzusatzstoffe: Gesundheitliche Bewertung und allgemeine Aspekte, in: Dunkelberg H, Gebel T, Hartwig A (Hrsg.) *Handbuch der Lebensmitteltoxikologie*, Band 3, Wiley-VCH, Weinheim, 1625-1663.

Müller-Tegethoff K, **Gürtler R**, Kasper P, Hambach P, Schleicher R, Müller L, 1995. Hepatocyte proliferation in vitro. *Journal of Experimental & Clinical Cancer Research* 14 Suppl., 53-54.

Gürtler R, 1993. Enantioselektive Effekte bei der genotoxischen Wirkung chiraler Epoxide in Bakterien und Säugerzellen. MvP-Heft 4 / 1993, Max-von-Pettenkofer Institut des Bundesgesundheitsamtes, Berlin.

von der Hude W, Carstensen S, **Gürtler R**, Obe G, 1991. Structure-activity relationships of epoxides: Induction of sister-chromatid exchanges in V79 cells by enantiomeric epoxides. *Mutation Research / Genetic Toxicology and Environmental Mutagenesis* 278, 289-297.

von der Hude W, Behm C, **Gürtler R**, Basler A, 1988. Evaluation of the SOS chromotest. *Mutation Research / Environmental Mutagenesis and Related Subjects* 203, 81-94.