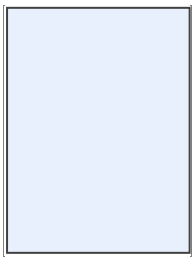
CURRICULUM VITAE

April 2018



Title and name
Prof Ursula Gundert-Remy

Nationality
German

Panel / Scientific Committee
Panel on Food Additives and Flavourings (FAF)

Education

Habilitation in Internal Medicine and Clinical Pharmacology, 1979, Medical Faculty, University of Heidelberg
PhD in Human medicine, 1969, Universität Heidelberg
State Examination (Medizinisches Staatsexamen), 1969, University of Heidelberg, Germany

Work Experience

2008 - present	Retirement	Working as expert for EFSA Research (PBTK modelling; QSAR; TTC) Teaching (medical students)
1996 – 2008	Federal Institute for Risk Assessment (BfR), , Berlin, Germany	Department Head; Health Risk Assessment of Industrial Chemicals, Pesticides, Biocides within the European Framework Research (toxicogenomics; non-hepatic metabolism; PBTK modelling)
1993-1996	University of Goettingen, Germany	Chair and Full Professor, Dept. Clinical Pharmacology Research (kinetic and dynamic of selected drugs, such as morphine, paracetamol; polymorphism in metabolic enzymes Clincial services (drug monitoring)
1984-1992	Federal Health Office, Berlin, Germany	Head, Dept. Clinical and Experimental Pharmacology, Institute for Drugs Assessment of Efficacy and Safety of Drugs; Risk Assessment (Pharmacovigilance) - Research (kinetic and dynamic of selected drugs, such as theophylline, fenoterol; biomonitoring; - Polymorphism in metabolic enzymes

1980-1983	University of Heidelberg, Germany	Department Clinical Pharmacology Senior Clinician, Deputy Head, Dep. Clinical Pharmacology - Patient care (cardiology, infectiology, general internal medicine) - Research (see above) - Teaching (medical students)
1979-1980	Biocenter, Basel, Switzerland	Guest Scientist Research (kinetic, metabolism and dynamic of atropine; kinetics and dynamic modelling)
1975-1979	University of Heidelberg, Germany Department Internal Medicine, University Hospital	Junior Clinician - Patient care (cardiology, infectiology, general internal medicine) - Research (see above) - Teaching (medical students)
1970-1974	University of Heidelberg, Germany Department Clinical Pharmacology,	Junior researcher - Research (drug analytics, kinetics in animals, kinetics and dynamics in humans, modelling, bioavailability) - Teaching (medical students)

Scientific expertise

- Chemical/Toxicological Risk Assessment
- Dose-Response Modelling
- (Mammalian) Toxicology
- Toxicokinetics and Metabolism
- Organ specific metabolism
- Physiologically based toxicokinetics
- Toxicokinetic modelling
- Mode of action (MOA) / Adverse outcome pathway (AOP)
- Modelling of effects/toxicodynamics
- Alternative methods in risk assessment

Most relevant scientific publications within the fields of EFSA

Author of 190 peer-reviewed papers. Main areas of research include kinetic and metabolism; dose-concentration- response analysis; risk assessment; non-animal methods

Degen GH, Ali N, **Gundert-Remy U**, 2018. Preliminary data on citrinin kinetics in humans and their use to estimate citrinin exposure based on biomarkers.Toxicol Lett. 282:43-48. doi: 10.1016/j.toxlet.2017.10.006.

Degen GH, Partosch F, Muñoz K, **Gundert-Remy U**, 2017. Daily uptake of mycotoxins - TDI might not be protective for nursed infants. Toxicol Lett. 277:69-75. doi: 10.1016/j.toxlet.2017.06.002

Testai E; Hartemann P, Rodríguez-Farre E, Rastogi SC, Bustos J, **Gundert-Remy U**, Hensten A, Kopperud HM, Olea N, Piersma A, De Jong W, 2016. The safety of the use of bisphenol A in medical devices. Regul Toxicol Pharmacol. Aug;79:106-7. doi: 10.1016/j.yrtph.2016.01.014

Partosch F, Mielke H, Stahlmann R, Kleuser B, Barlow S, **Gundert-Remy U**, 2015. Internal threshold of toxicological concern values: enabling route-to-route extrapolation. Arch Toxicol. 89(6):941-8. doi: 10.1007/s00204-014-1287-6

Partosch F, Mielke H, Stahlmann R, **Gundert-Remy U**, 2015. Caffeine intake in pregnancy: relationship between internal exposure and effect on birth weight. Food Chem Toxicol. 86:291-7. doi: 10.1016/j.fct.2015.11.005

Gundert-Remy U, Damm G, Foth H, Freyberger A, Gebel T, Golka K, Röhl C, Schupp T, Wollin KM, Hengstler JG, 2015. High exposure to inorganic arsenic by food: the need for risk reduction. Arch Toxicol 89(12):2219-27. doi: 10.1007/s00204-015-1627-1

Bessems JG, Loizou G, Krishnan K, Clewell HJ 3rd, Bernasconi C, Bois F, Coecke S, Collnot EM, Diembeck W, Farcal LR, Geraets L, **Gundert-Remy U**, Kramer N, Küsters G, Leite SB, Pelkonen OR, Schröder K, Testai E, Wilk-Zasadna I, Zaldívar-Comenges JM, 2014. PBTK modelling platforms and parameter estimation tools to enable animal-free risk assessment: recommendations from a joint EPAA--EURL ECVAM ADME workshop. Regul Toxicol Pharmacol. 68(1):119-39. doi: 10.1016/j.yrtph.2013.11.008.

Partosch F, Mielke H, **Gundert-Remy U**, 2013. Functional UDP-glucuronyltransferase 2B15 polymorphism and bisphenol A concentrations in blood: results from physiologically based kinetic modelling. Arch Toxicol. 87(7):1257-64. doi: 10.1007/s00204-013-1022-8.

Gundert-Remy U, Mielke H, Bernauer U, 2013. Commentary: dermal penetration of bisphenol A--consequences for risk assessment. Toxicol Lett. 217(2):159-61. doi: 10.1016/j.toxlet.2012.12.009

Schug M, Stöber R, Heise T, Mielke H, **Gundert-Remy U**, Godoy P, Reif R, Blaszkewicz M, Ellinger-Ziegelbauer H, Ahr HJ, Selinski S, Günther G, Marchan R, Blaszkewicz M, Sachinidis A, Nüssler A, Oberemm A, Hengstler JG, 2013 Pharmacokinetics explain in vivo/in vitro discrepancies of carcinogen induced gene expression alterations in rat liver and cultivated hepatocytes. Arch Toxicol.;87(2):337-45. doi: 10.1007/s00204-012-0999-8

Mielke H, **Gundert-Remy U**, 2012. Physiologically based toxicokinetic modelling as a tool to support risk assessment: three case studies. J Toxicol :359471. http://dx.doi.org/10.1155/2012/359471

Kalkhof H, Herzler M, Stahlmann R, **Gundert-Remy U**, 2012. Threshold of toxicological concern values for non-genotoxic effects in industrial chemicals: re-evaluation of the Cramer classification. Arch Toxicol. 86(1):17-25. doi: 10.1007/s00204-011-0732-z

Mielke H, Abraham K, Götz M, Vieth B, Lampen A, Luch A, **Gundert-Remy U**, 2011. Physiologically based toxicokinetic modelling as a tool to assess target organ toxicity in route-to-route extrapolation--the case of coumarin. Toxicol Lett.202(2):100-10. doi: 10.1016/j.toxlet.2011.01.022

Rupp B, Appel KE, **Gundert-Remy U**, 2010. Chronic oral LOAEL prediction by using a commercially available computational QSAR tool. Arch Toxicol.84(9):681-8. doi: 10.1007/s00204-010-0532-x

Oberemm A, Ahr HJ, Bannasch P, Ellinger-Ziegelbauer H, Glückmann M, Hellmann J, Ittrich C, Kopp-Schneider A, Kramer PJ, Krause E, Kröger M, Kiss E, Richter-Reichhelm HB, Scholz G, Seemann K, Weimer M, **Gundert-Remy U**, 2009. Toxicogenomic analysis of N-nitrosomorpholine induced

changes in rat liver: comparison of genomic and proteomic responses and anchoring to histopathological parameters. Toxicol Appl Pharmacol. 241(2):230-45. doi: 10.1016/j.taap.2009.08.020

Mielke H, **Gundert-Remy U**, 2009. Bisphenol A levels in blood depend on age and exposure. Toxicol Lett. 190(1):32-40. doi: 10.1016/j.toxlet.2009.06.861

Settels E, Bernauer U, Palavinskas R, Klaffke HS, **Gundert-Remy U**, Appel KE, 2008. Human CYP2E1 mediates the formation of glycidamide from acrylamide. Arch Toxicol. 82(10):717-27. doi: 10.1007/s00204-008-0296-8.