

Curriculum Vitae

Last name, first name: Bernauer, Ulrike

Gender: Female

Nationality: German

Overall Scientific Expertise:

- > 10 years experience in risk assessment of chemicals (focus human/consumer safety)
- Risk assessment of cosmetic ingredients (SCCS)
- Hazard and risk assessment of chemicals in REACH-relevant processes (evaluation, SVHC identification, classification and labelling)
- Development of toxicological test guidelines and guidance documents (OECD, REACH)
- Participation in national and international programs in the context of consumer safety (e.g. human biomonitoring)
- Contribution to political decision making for certain compounds (e.g. phthalates, perfluorinated compounds).
- Workplace safety
- Regulatory toxicology
- Metabolism and toxicokinetics
- Research related to chemical safety
- Alternative and non-testing strategies
- Nanotoxicology

Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation
01/04 - today	Scientific employee/scientific civil servant	Federal Institute for Risk Assessment (BfR), Berlin, Germany	Risk assessment of new and existing chemicals, implementation of REACH, assessment of chemicals under REACH Metabolism, Toxicokinetics
10/1997 – 12/2003	Scientific employee	Federal Institute for Risk Assessment (BfR) (formerly called BgVV)	Responsibility for research projects related to risk assessment of chemicals (intra- and interspecies variability of metabolising enzymes; <i>in vitro</i> methods (genetically modified cells), extrahepatic metabolism, instrumental analytics)
08/1996 – 09/1997	Scientific employee (Postdoctorate)	University of Wurzburg, Department Toxicology	Interspecies comparison of the biotransformation of fuel additives (MTBE, ETBE and TAME) between rats and humans (metabolism, toxicokinetics, GC- and HPLC analytics)

Year	Degree	Educational Institution – name and location	Areas of educational
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	awarded		specialisation
1996-1996		Postdoctorate, University of Wurzburg, Germany (Department of Toxicology)	Xenobiotic metabolism, analytical toxicology
1993 - 1996	Dr. rer. nat.	Doctorate, University of Wurzburg (Department of Toxicology)	Biochemical and analytical toxicology, biomarkers, protein biochemistry, enzymology
1987-1993	Dipl. Chem.	University of Wurzburg, Department of Chemistry (Diploma thesis performed at the department of toxicology) Chemistry studies	Organic chemistry, physical chemistry, inorganic chemistry, biochemistry, toxicology, physics, mathematics

Memberships in Scientific Advisory Bodies/Committees/Panels:

Scientific Committee for Consumer Safety (SCCS), 2009 - present

UAIII of the AGS (Panel on hazardous chemicals of the German Federal Ministry of Labour and Social Affairs), 2010 – present

German “Expertenkreis Humanbiomonitoring” (Body of experts for human biomonitoring) of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, 2010 – present

Member of past and present expert groups of the OECD testguideline program

Reserve list of Scientific Experts for Scientific Panels and the Contam Panel of the European Food Safety Authority, since 2015

Member of the working group on the report on alternative (non-animal) methods for cosmetics testing: current status and future prospects – 2010.

Expert database of ECHA (European Chemicals Agency)

Memberships in Learned Societies:

Member of the German DGPT (German society for clinical and experimental pharmacology and toxicology) and GT (Society of toxicology) and member of two working groups within this society: 1) Working group on xenobiotic metabolism and 2) working group on regulatory toxicology

Member of the EUROTOX Risk Assessment Specialty Group

Memberships in Editorial Boards (*if any*):

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List of Publications:

- 26 Scientific Publications in peer-reviewed journals (first-author in 10 publications)
- 2 Research reports concerning xenobiotic metabolism
- 2 book chapters
- 3 publications in non-peer-reviewed journals
- Co-author of an OECD publication
- Co-author of an EFSA Publication
- 38 Poster / Conference Abstracts
- Several SCCS opinions

Scientific Committee on Consumer Safety (SCCS), **Bernauer, U.** (2015): Opinion of the scientific committee on consumer safety (SCCS) - 2nd Revision of the safety of the use of poly(hexamethylene) biguanide hydrochloride or polyaminopropyl biguanide (PHMB) in cosmetic products. *Reg. Tox. Pharmacol.* 73, 885–886.

Adler, S., Basketter, D., Creton, S., Pelkonen, O., van Benthem, J., Zuang, V., Andersen, K.E., Angers-Loustan, A., Aptula, A., Bal-Price, A., Benfanti, E., **Bernauer, U.** et al (2011): Alternative (non-Animal) methods for cosmetics testing: current status and future prospects – 2010. *Arch. Toxicol.* 85, 367-485.

Coecke, S., Pelkonen, O., Leite, S.B., **Bernauer, U.**, Bessems, J., Bois, F.Y., Ursula Gundert-Remy, U., Loizou, G., Testai, E., Zaldívar, J.M. (2013): Toxicokinetics as a key to the integrated toxicity risk assessment based primarily on non-animal approaches. *Toxicology in Vitro* 27, 1570 – 1577.

Gundert-Remy, U., **Bernauer, U.**, Blömeke, B., Döring, B., Fabian, E., Goebel, C., Hessel, S., Jäckh, C., Lampen, A., Oesch, F., Petzinger, E., Völkel, W. and Roos, P.H. (2014): Extrahepatic metabolism at the body's internal-external interfaces. *Drug. Metab. Rev.* 46, 291 – 324.

Jacobs, M.N., Janssens, W., **Bernauer, U.**, Brandon, E., Coecke, S., Combes, R., Edwards, P., Freidig, A., Freyberger, A., Kolanczyk, R., McArdle, C., Mekenyan, O., Schmieder, P., Schrader, T., Tekeyoshi, M., and van der Burg, B. (2008): The use of metabolising systems for in vitro testing of endocrine disruptors, *Current Drug Metabolism* 9, 796 - 826.

Bernauer, U., Heinemeyer, G., Heinrich-Hirsch, B., Ulbrich, B. and Gundert-Remy, U. (2008): Exposure-triggered reproductive toxicity testing under the REACH legislation: A proposal to define significant/relevant exposure. *Toxicol. Lett.* 176, 68 – 76.

Bernauer, U., Heinrich-Hirsch, B., Tönnies, M., Wolski, P.-M., and Gundert-Remy, U. (2006): Characterisation of the xenobiotic-metabolizing Cytochrome P450 expression pattern in human lung tissue by immunochemical and activity determination. *Toxicol. Lett.* 164, 278-288.