

BIOGRAPHY

17 July 2012



Title and name

Professor Dr. Peter Fürst

Nationality

German

Panel

Contaminants in the Food Chain

Education

1979: State examination in food chemistry - University of Münster

1982: Ph.D. in food chemistry

1988: Six months scientific stay at the Centers for Disease Control, Atlanta/USA
and the Food Research Division of Health and Welfare, Ottawa/Canada

2009: Honorary Professor - appointed at Chemical Faculty of University Münster

Scientific and risk assessment experience

1. Food Chemistry
 2. Trace analysis of contaminants and pesticides
 3. Official feed and food control
 4. Estimation of human exposure
 5. Risk assessment of contaminants
 6. Uncertainty analysis
-

Main scientific publications

More than 160 scientific papers and book chapters, mainly dealing with organic contaminants, such as dioxins, PCBs, PFCs and brominated flame retardants, residues and veterinary drugs in feed, food and human samples. Some more relevant papers are as follows:

1. Pöpke O, Fürst P, Schrenk D, 2012. Biomarkers of exposure: Polychlorinated Dibenzo-p-dioxins and polychlorinated dibenzofurans. In: Biomarkers and Human Biomonitoring. Eds Knudsen LE and Merlo DF. RSC Publishing, 1, 261-287.

2. Fürst P, 2011. Dioxins in feed and food again - real or perceived risk? European Journal of Lipid Science and Technology, 113, 401-402.

3. Wilhelm M, Wittsiepe J, Lemm F, Ranft U, Krämer U, Fürst P, Röseler SC, Greshake M, Imöhl M, Eberwein G, Rauchfuss K, Kraft M and Winneke G, 2008. The Duisburg birth cohort study: Influence of the prenatal exposure of PCDD/Fs and dioxin-like PCBs on thyroid hormone status in newborns and neurodevelopment of infants until the age of 24 months. Mutation Research, 659, 83-92.

4. Wittsiepe J, Fürst P and Wilhelm M, 2007. The 2005 World Health Organization re-evaluation of TEFs for dioxins and dioxin-like compounds--what are the consequences for German human background levels? *International Journal of Hygiene and Environmental Health*, 210, 335-339.
 5. Fürst P, 2006. Dioxins, polychlorinated biphenyls and other organohalogen compounds in human milk – Levels, correlations, trends and exposure through breastfeeding. *Molecular Nutrition and Food Research*, 50, 922-933.
 6. Muntean N, Jermini M, Small I, Falzon D, Fürst P, Migliorati G, Scortichini G, Forti AF, Anklam E, von Holst C, Niyazmatow B, Bahkridinov S, Aertgeerts R, Bertollini R, Tirado C and Kolb A, 2003. Assessment of dietary exposure to some persistent organic pollutants in the Republic of Karakalpakstan of Uzbekistan. *Environmental Health Perspectives*, 111, 1306 – 1311.
 7. Bajanowski T, Fürst P, Wilmers K, Beike J, Köhler H and Brinkmann B, 2002. Dioxin in Infants – An Environmental Hazard? *International Journal of Legal Medicine*, 116, 27-32.
 8. Liem AKD, Fürst P and Rappe C, 2000. Exposure of Populations to Dioxins and Related Compounds. *Food Additives and Contaminants*, 17, 241-259.
 9. Fürst P, Fürst C and Wilmers K, 1994. Human milk as a bioindicator for body burden of PCDDs, PCDFs, organochlorine pesticides and PCBs. *Environmental Health Perspectives*, 102, 187-193.
 10. Fürst P, Beck H and Theelen R, 1992. Assessment of human intake of PCDDs and PCDFs from different environmental sources. *Toxic Substances Journal*, 12, 133-150.
-