

BIOGRAPHY

26 June 2012



Title and name

Dr. Ron (Laurentius) Hoogenboom

Nationality

Dutch

Panel

Contaminants in the Food Chain

Education

PhD-thesis (Dr), 1991, at Wageningen University, Department of Toxicology, Wageningen, The Netherlands.

Engineer (Ir) in Human Nutrition, 1985, at Wageningen University, Wageningen, The Netherlands

Scientific and risk assessment experience

- biotransformation and adverse effects of veterinary drugs, hormones, mycotoxins, dioxins and PCBs, pyrrolizidine alkaloids, furanocoumarins, marine toxins
 - development, validation and application of *in vitro* bioassays, including developing criteria for checking performance
 - carry-over studies on dioxins and PCBs, pyrrolizidine alkaloids, aflatoxin, melamine, cadmium in dairy cows, swine and chicken
 - risk assessments on various environmental contaminants, hormones, veterinary drugs
 - risk assessment in relation to food production during environmental incidents
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Main scientific publications

Publications and book chapters in the area of *in vitro* toxicology, biotransformation of veterinary drugs, development and application of bioassays, incidents with dioxins, carry-over studies.

- Hoogenboom LA, Mulder PP, Zeilmaker MJ, van den Top HJ, Remmelink GJ, Brandon EF, Klijnstra M, Meijer GA, Schothorst R and Van Egmond HP, 2011. Carry-over of pyrrolizidine alkaloids from feed to milk in dairy cows. Food Additives and Contaminants Part A, 28, 359-372.
 - Heres L, Hoogenboom R, Herbes R, Traag W and Urlings B, 2010. Tracing and analytical results of the dioxin contamination incident in 2008 originating from the Republic of Ireland. Food Additives and Contaminants Part A, 27, 1733-1744.
 - Hoogenboom R, Zeilmaker M, Eijkeren J, Kan K, Mengelers M, Luykx D and Traag W, 2010. Kaolinic clay derived PCDD/Fs in the feed chain from a sorting process for potatoes. Chemosphere, 78, 99-105.
 - Peijnenburg A, Riethof-Poortman J, Baykus H, Portier L, Bovee T and Hoogenboom R, 2010. AhR-agonistic, anti-androgenic, and anti-estrogenic potencies of 2-isopropylthioxanthone (ITX) as determined by *in vitro* bioassays and gene expression profiling. Toxicology in Vitro, 24, 1619-1628.
 - Hoogenboom LA, Kan CA, Zeilmaker MJ, Van Eijkeren J and Traag WA, 2006. Carry-over of dioxins and PCBs from feed and soil to eggs at low contamination levels-- influence of mycotoxin binders on the carry-over from feed to eggs. Food Additives and Contaminants 23, 518-527.
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- Gizzi G, Hoogenboom LA, Von Holst C, Rose M and Anklaam E, 2005. Determination of dioxins (PCDDs/PCDFs) and PCBs in food and feed using the DR CALUX bioassay: results of an international validation study. *Food Additives and Contaminants*, 22, 472-481.
 - Hoogenboom LA, Tulliez J, Gautier JP, Coker RD, Melcion JP, Nagler MJ, Polman TH and Delort-Laval J, 2001. Absorption, distribution and excretion of aflatoxin-derived ammoniation products in lactating cows. *Food Additives and Contaminants*, 18, 47-58.
 - Bovee TF, Hoogenboom LA, Hamers AR, Traag WA, Zuidema T, Aarts JM, Brouwer A and Kuiper HA, 1998. Validation and use of the CALUX-bioassay for the determination of dioxins and PCBs in bovine milk. *Food Additives and Contaminants*, 15, 863-875.
 - Hoogenboom LAP and Kuiper HA, 1997. The use of in vitro models for assessing the presence and safety of residues of xenobiotics in food. *Trends in Food Science and Technology*, 8, 157-166.
 - Hoogenboom LA, van Kammen M, Berghmans MC, Koeman JH and Kuiper HA, 1991. The use of pig hepatocytes to study the nature of protein-bound metabolites of furazolidone: a new analytical method for their detection. *Food and Chemical Toxicology*, 29, 321-328.
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