

# BIOGRAPHY

7 February 2013



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**Title and name**

Prof. Agneta Oskarsson

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**Nationality**

Sweden

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**Panel**

Panel on Additives and Nutrient Sources added to Food (ANS)

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**Education**

Senior lecturer expertise (docent) in toxicology. 1983. Karolinska Institute, Stockholm, Sweden  
Postdoc. 1979-1981. National Institute of Environmental Health Sciences, North Carolina, USA  
PhD in toxicology. 1979. University of Uppsala, Sweden  
MS in pharmacy. 1972. University of Uppsala, Sweden

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**Scientific and risk assessment experience**

- Research on toxic and essential metals, organic pollutants, pesticides, medicinal drugs; kinetics, developmental toxicity, endocrine disruption; low-dose effects, toxicity pathways, transport proteins.
  - Risk assessment experience as expert in national and international organisations, eg EFSA Panel on Contaminants in the Food Chain (CONTAM), WHO/IPCS, Swedish National Food Agency, Swedish Toxicological Council, with risk assessments on toxic and essential metals, organic persistent pollutants, natural toxins in food, endocrine disruption, reproductive and developmental toxicity, etc.
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**Main scientific publications**

Main areas of publications are on toxic metals and other food contaminants: kinetics and effects in humans, livestock, experimental animals and cell models; endocrine disruption and developmental toxicity.

Olsson I-M, Bensryd I, Lundh A, Skerfving S and Oskarsson A, 2002. Cadmium in blood and urine - impact of sex, age, dietary intake, iron status, and former smoking – association of renal effects. Environ Health Perspect, 110, 1185-1190.

Oskarsson A, Widell, A, Olsson I-M and Petersson Grawé K, 2004. Cadmium in food chain and health effects in sensitive populations groups. Biometals, 17, 531-534.

Bárány E, Bergdahl IA, Bratteby L-E, Lundh T, Samuelson G, Skerfving S and Oskarsson A, 2005. Iron status influences trace element levels in human blood and serum. Environ Res, 98, 215-223.

Oskarsson A, Ullerås E, Plant KA, Hinson JP and Goldfarb PS, 2006. Steroidogenic gene expression in H295R cells and the human adrenal gland: adrenotoxic effects of lindane in vitro. *J Appl Toxicol*, 26, 484-492.

Ullerås E, Ohlsson Å and Oskarsson A, 2008. Secretion of cortisol and aldosterone as a vulnerable target for adrenal endocrine disruption – screening of 30 selected chemicals in the human H295R cell model. *J Appl Toxicol*, 28, 1045-1053.

Ohlsson Å, Cedergreen N, Ullerås E and Oskarsson A, 2010. Mixture effects of dietary flavonoids on steroid hormone synthesis in the human adrenocortical H295R cell line. *Food Chem Toxicol*, 48, 3194-3200.

Öhrvik H, Ullerås E, Oskarsson A and Tallkvist J, 2011. Effects of cadmium on calcium transporter SPCA, calcium homeostasis and  $\beta$ -casein expression in the murine mammary epithelium. *Toxicol Lett*, 201, 80-85.

Carlsson G, Patring J, Ullerås E and Oskarsson A, 2011. Developmental toxicity of albendazole and its three main metabolites in zebrafish embryos. *Reprod Toxicol*, 32, 129-137.

Mattsson A, Ullerås E, Patring J and Oskarsson A, 2012. Albendazole causes stage-dependent developmental toxicity and is deactivated by a mammalian metabolism system in a modified zebrafish embryo toxicity test. *Reprod Toxicol*, 34, 31-42.

Carlsson G, Patring J, Kreuger J, Norrgren L and Oskarsson A, 2013. Toxicity of 15 veterinary pharmaceuticals in zebrafish (*Danio rerio*) embryos. *Aquat Toxicol*, 126, 30-41.

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