

CURRICULUM VITAE

April 2018



Title and name

Dr. Trine Husøy

Nationality

Norwegian

Panel / Scientific Committee

Panel on Food Additives and Flavourings (FAF)

Education

PhD in Biochemistry, 1998, The Norwegian Radium Hospital, Laboratory for Environmental and Occupational Cancer

Master in biochemistry/toxicology, 1991, at the Institute for Pharmacology and Toxicology, The Medical Faculty, University in Trondheim.

Work Experience

1999 – 2016	Norwegian Institute of Public Health, Department of Toxicology and Risk assessment	Senior Scientist, PhD, Responsible for toxicological advice and risk assessment for the Food Authorities in Norway and the Norwegian Scientific Committee for Food Safety (VKM) in the areas additives, flavourings and contaminants. This includes answering any questions from newspaper, radio or television. Presentation of risk assessments to the public. Responsible for leading scientific projects at the Department, and supervise PhD students and Master degree students. The experimental work includes human exposure assessments, experimental work on mice with focus on intestinal cancer risk, genotoxicity and toxicokinetic and mechanism studies in cell cultures. I have chaired several working groups in VKM and EFSA.
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Scientific expertise

Mixture Toxicity

Genotoxicity
Carcinogenicity
Toxicokinetics / Absorption, distribution, metabolism and excretion (ADME)
Chemical Risk Assessment
Dose-Response Modelling
(Mammalian) Toxicology

Most relevant scientific publications within the fields of EFSA

Ågerstrand M, Christiansen S, Hanberg A, Rudén C, Andersson L, Andersen S, Appelgren H, Bjørge C, Clausen IH, Eide DM, Hartmann NB, **Husøy T**, Halldórsson HP, van der Hagen M, Ingre-Khans E, Lillicrap AD, Beltoft VM, Mörk AK, Murtomaa-Hautala M, Nielsen E, Ólafsdóttir K, Palomäki J, Papponen H, Reiler EM, Stockmann-Juvala H, Suutari T, Tyle H, Beronius A, 2018. A call for action: Improve reporting of research studies to increase the scientific basis for regulatory decision-making. *J Appl Toxicol*;38(5):783-785. doi: 10.1002/jat.3578

Von Goetz N, Pirow R, Hart A, Bradley E, Poças F, Arcella D, Lillegard ITL, Simoneau C, van Engelen J, **Husøy T**, Theobald A, Leclercq C, 2017. Including non-dietary sources into an exposure assessment of the European Food Safety Authority: The challenge of multi-sector chemicals such as Bisphenol A. *Regulatory Toxicology and Pharmacology*, 85, 70-78. doi: 10.1016/j.yrtph.2017.02.004

Solecki R, Bergman Å, Boobis A, Chahoud I, Degen G, Dietrich G, Greim H, Håkansson H, Hass U, **Husøy T**, Jacobs M, Jobling S, Mantovani A, Marx-Stoelting P, Piersma A, Slama R, Stahlmann R, van den Berg M, Zoeller RT, Kortenkamp A, 2017. Brief communication: Scientific principles for the identification of endocrine disrupting chemicals – a consensus statement. *Archives of Toxicology*; 91, 1001-1006. <https://doi.org/10.1007/s00204-016-1866-9>

Huffman MP, Høie AH, Svendsen C, Brunborg G, Murkovic M, Glatt H, **Husøy T**, 2016. An in vitro study on the genotoxic effect of substituted furans in cells transfected with human metabolizing enzymes: 2,5-dimethylfuran and furfuryl alcohol. *Mutagenesis*;31,597-602. doi: 10.1093/mutage/gew025

Misiorek JO, Lähdeniemi IAK, Nyström JH, Paramonov V, Gullmets JA, Helena Saarento H, Rivero-Müller A, **Husøy T**, Taimen P and Toivola DT, 2016. Keratin 8-deletion induced colitis predisposes to murine colorectal cancer enforced by the inflammasome and IL-22 pathway. *Carcinogenesis*;37, 777-786. doi: 10.1093/carcin/bgw063

Høie AH, Svendsen C, Rasmussen T, Alexander J, **Husøy T**, 2016. Intestinal Tumor Development in C57BL/6J-ApcMin/+ Mice Expressing Human Sulphotransferases 1A1 and 1A2 After Oral Exposure to 2,5-Dimethylfuran. *Anticancer research*;36,545-53.

Svendsen C, Høie AH, Alexander J, Murkovic M, **Husøy T**, 2016. The food processing contaminant glyoxal promotes tumour growth in the multiple intestinal neoplasia (Min) mouse model. *Food Chem Toxicol*;94:197-202. doi: 10.1016/j.fct.2016.06.006

Høie AH, Svendsen C, Brunborg G, Glatt H, Alexander J, Meinel W, **Husøy T**, 2015. Genotoxicity of three food processing contaminants in transgenic mice expressing human sulfotransferases 1A1 and 1A2 as assessed by the in vivo alkaline single cell gel electrophoresis assay. *Environ Mol Mutagen*;56, 709-714. doi: 10.1002/em.21963

Høie AH, Monien BH, Sakhi AK, Glatt H, Hjertholm H, **Husøy T**, 2015. Formation of DNA adducts in wild-type and transgenic mice expressing human sulfotransferases 1A1 and 1A2 after oral exposure to furfuryl alcohol. *Mutagenesis*; 30, 643-649. doi: 10.1093/mutage/gev023

Svendsen C, Alexander J, Paulsen JE, Knutsen HK, Hjertholm H, Brantsæter AL, **Husøy T**, 2012. The impact of commercial rodent diets on the induction of tumours and flat aberrant crypt foci in the intestine of multiple intestinal neoplasia mice. *Lab Anim* 46(3):207-14. doi: 10.1258/la.2012.011055

Fotland TØ, Paulsen JE, Sanner T, Alexander A, **Husøy T**, 2012. Risk assessment of coumarin using the bench mark dose (BMD) approach: Children in Norway which regularly eat oatmeal porridge with cinnamon are at risk for exceeding TDI for coumarin with more than twenty folds. *Food and Chemical Toxicology*;50, 903 -912.

Svendsen C, Meini W, Glatt H, Alexander J, Knutsen H, Hjertholm H, Rasmussen T, and **Husøy T**, 2012. Intestinal carcinogenesis of two food processing contaminants, 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine and 5-hydroxymethylfurfural, in transgenic FVB Min mice expressing human sulfotransferases. *Molecular Carcinogenesis* 51, 984-992. doi: 10.1002/mc.20869

Svendsen C, Alexander J, Knutsen H, **Husøy T**, 2011. The Min mouse on FVB background; Susceptibility to spontaneous and carcinogen-induced intestinal tumourigenesis. *Anticancer Research* 31, 785-788.

Husøy T, Mangschou B, Fotland TØ, Kolset SO, Nøtvik Jakobsen H, Tømmerberg I, Bergsten C, Alexander J, Frost Andersen L, 2008. Reducing added sugar intake in Norway by replacing sugar sweetened beverages with beverages containing intense sweeteners – a risk benefit assessment. *Food and Chemical Toxicology*, 46, 3099-3105. doi: 10.1016/j.fct.2008.06.01

Husøy T, Haugen M, Murkovic M, Jöbstl D, Stølen LH, Bjellas T, Rønningborg C, Glatt H, Alexander J, 2008. Dietary exposure to 5-hydroxymethylfurfural from Norwegian food and correlations with urine metabolites as biomarkers for short time exposure. *Food and Chemical Toxicology*, 46, 3697-3702. doi: 10.1016/j.fct.2008.09.048.
