

BIOGRAPHY

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Title and name

Dr. Helle Katrine Knutsen

Nationality

Norwegian

Panel

Contaminants in the Food Chain

Education

Cand Scient, Cell Biology, 1989, University of Oslo

PhD, Molecular Biology, 1995, University of Oslo

Scientific and risk assessment experience

- Scientific experience: Regulation of gene expression, toxicology, experimental intestinal carcinogenesis, assessments exposure to contaminants
 - Risk assessment experience: Contaminants in food, persistent organic pollutants and heavy metals.
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Main scientific publications

Main areas of publication are regulation of gene expression, experimental carcinogenesis and exposure to persistent organic pollutants.

Birgisdottir BE, Brantsaeter AL, Kvalem HE, Knutsen HK, Haugen M, Alexander J, Hetland RB, Aksnes L and Meltzer HM, 2012. Fish liver and seagull eggs, vitamin D-rich foods with a shadow: results from the Norwegian Fish and Game Study. *Molecular Nutrition and Food Research*, 56, 3, 388-398.

Knutsen HK, Kvalem HE, Haugen M, Meltzer HM, Brantsaeter AL, Alexander J, Pöpke O, Liane VH, Becher G and Thomsen C, 2011. Sex, BMI and age in addition to dietary intakes influence blood concentrations and congener profiles of dioxins and PCBs. *Molecular Nutrition and Food Research*, 5, 772-782.

Svendsen C, Alexander J, Knutsen HK and Husøy T, 2011. The Min Mouse on FVB Background: Susceptibility to Spontaneous and Carcinogen-induced Intestinal Tumourigenesis. *Anticancer Research*, 3, 785-788.

Haug LS, Thomsen C, Brantsaeter AL, Kvalem HE, Haugen M, Becher G, Alexander J, Meltzer HM and Knutsen HK., 2010. Diet and particularly seafood are major sources of perfluorinated compounds in humans. *Environment International*, 7, 772-778.

Kvalem HE, Knutsen HK, Thomsen C, Haugen M, Stigum H, Brantsæter AL, Frøshaug M, Lohmann N, Pöpke O, Becher G, Alexander J and Meltzer HM, 2009. Role of dietary patterns for dioxin and PCB exposure. *Molecular Nutrition and Food Research*, 53, 1–14.

Knutsen HK, Kvalem HE, Thomsen C, Frøshaug M, Haugen M, Becher G, Alexander J and Meltzer HM, 2008. Dietary exposure to brominated flame retardants correlates with male blood levels in a selected group of Norwegians with a wide range of seafood consumption. *Molecular Nutrition and Food Research*, 52, 217-227.

Thomsen C, Knutsen HK, Liane VH, Frøshaug M, Kvalem HE, Haugen M, Meltzer HM, Alexander J and Becher G, 2008. Consumption of fish from a contaminated lake strongly affects the concentrations of polybrominated diphenyl ethers and hexabromocyclododecane in serum. *Molecular Nutrition and Food Research*, 52, 228-237.

Husøy T, Knutsen HK, Løberg EM and Alexander J, 2006. Intestinal adenomas of Min-mice lack enterochromaffin cells, and have increased lysozyme production in non-Paneth cells. *Anticancer Research*, 26, 1797-1802.

Knutsen HK, Ølstørn HB, Paulsen JE, Husøy T, Goverud IL, Løberg EM, Kristiansen K and Alexander J, 2005. Increased levels of PPAR β/δ and cyclin D1 in flat dysplastic ACF and adenomas in ApcMin/+ mice. *Anticancer Research*, 25, 3781-3789.

Grønning LM, D KDale, Taskén KA, Enerback S, Taskén K and Knutsen HK, 1999. Isoform-specific regulation of the CCAAT/enhancer-binding protein family of transcription factors by 3',5'-cyclic adenosine monophosphate in Sertoli cells. *Endocrinology*, 40, 835-843.
