

# BIOGRAPHY

28 June 2012



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**Title and name**

Professor Anne-Katrine Lundebye Haldorsen

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**Nationality**

Norwegian

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**Panel**

Contaminants in the Food Chain

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**Education**

BSc in marine biology, 1990, Heriot-Watt University; MSc in aquaculture, 1991, University of Stirling; PhD in ecotoxicology, 1996, Odense University

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**Scientific and risk assessment experience**

- ecotoxicology, toxicology, fish nutrition and aquaculture
  - risk assessment of feed additives (risk to target animal, consumer, user and the environment)
  - risk assessment of contaminants in wild and farmed fish
  - risk assessment of undesirable substances in fish feed
  - risk-benefit assessment of fish consumption
  - environmental risk assessment
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**Main scientific publications**

Nutritional toxicology in a food chain perspective: examining the effects of exposure to contaminants in fish feed and seafood, and interactions between nutrients and contaminants.

Jayashankar S, Glover CI, Folven KI, Brattelid T, Hogstrand C and Lundebye AK, 2012. Effects of docosahexaenoic acid on developmental MeHg toxicity in mice: impacts on neural gene expression and behaviour. *Environmental Toxicology and Pharmacology*, 33, 26-38.

Haave M, Bernhard A, Folven KI, Brattelid T and Lundebye AK, 2011. Fish consumption reduces transfer of BDE47 from dam to murine offspring. *Chemosphere*, 84, 348-354.

Haave M, Folven KI, Carroll T, Glover C, Heegaard E, Brattelid T, Hogstrand C and Lundebye AK, 2011. Cerebral gene expression and neurobehavioural development after perinatal exposure to Polybrominated Diphenyl Ether (BDE47). *Cell Biology and Toxicology*, 27, 343-361.

Berntssen MHG, Julshamn K and Lundebye AK, 2010. Chemical contaminants in aquafeeds and Atlantic salmon (*Salmo salar*) following the use of traditional- versus alternative feed ingredients. *Chemosphere*, 78, 637-646.

Lundebye AK, Lock EJ, Boyle D, Ruohonen K and Berntssen MH, 2010. Tolerance of Atlantic salmon (*Salmo salar*) to dietborne endosulfan assessed by haematology, biochemistry, histology and growth. *Aquaculture Nutrition*, 16, 549-558.

Folven KI, Glover CN, Malde MK and Lundebye AK, 2009. Does selenium modify neurobehavioural impacts of developmental methylmercury exposure in mice? *Environmental Toxicology and Pharmacology*, 28, 111-119.

Glover CN, Zheng D, Jayashankar S, Sales GD, Hogstrand C and Lundebye AK, 2009. Methylmercury speciation influences brain gene expression and behaviour in gestationally-exposed mice pups. *Toxicological Sciences*, 110, 289-300.

Bethune C, Seierstad SL, Seljeflot I, Johansen O, Arnesen H, Meltzer HM, Rosenlund G, Frøyland L and Lundebye AK, 2006. Dietary intake of differently fed salmon: a preliminary study on contaminants. *European Journal of Clinical Investigations*, 36 (3), 193-201.

Lundebye AK, Berntssen MHG, Lie Ø, Ritchie G, Isosaari P, Kiviranta H and Vartiainen T, 2004. Dietary accumulation of dioxins (PCDD/PCDF) and dioxin-like PCBs in Atlantic salmon (*Salmo salar*). *Aquaculture Nutrition*, 10, 1-9.

Lundebye AK, Berntssen MHG, Wendelaar Bonga SE and Maage A, 1999. Biochemical and physiological responses in Atlantic salmon (*Salmo salar*) following dietary exposure to copper and cadmium. *Marine Pollution Bulletin*, 39, 137-144.

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