

CURRICULUM VITAE

April 2018



Title and name

Dr. Alicja Mortensen

Nationality

Danish

Panel / Scientific Committee

Panel on Food Contact Materials and Enzymes and Processing Aids (CEP)

Education

Ph.D in Natural sciences, 1996, Roskilde University, Denmark

Authorisation as DVM in Denmark, 1985 (Supplementary study at the Royal Veterinary and Agricultural University of Denmark, Copenhagen, 1984-1985)

DVM (Veterinary medicine), 1979, University of Warmia and Mazury (present name), Olsztyn, Poland

Work Experience

2016 – present	National Research Centre for Working Environment, Denmark	Postdoc (part time). Tasks and responsibilities: microscopical examination of tissues from laboratory animals exposed to different nanomaterials in projects conducted by the Danish NanoSafety Centre II at the National Research Centre for Working Environment. Risk assessment of chemicals (nanomaterials); participation in the EU project PATROLS (started in January 2017)
1988 – 2015	Technical University of Denmark, National Food institute, Denmark	Senior scientist. Advisory tasks: risk assessment (food additives, smoke flavourings, nutrients, nutrient sources, food fortification, novel foods) for the Danish Veterinary and Food Administration and for the Danish EPA. Research: dietary factors in atherosclerosis and cancer, animal models, carcinogenicity tests in transgenic mice, phytoestrogens vs. HRT, nanotoxicology. Participant of national and international research projects.
1987 – 1988	Novo Nordisk A/S, Denmark	Research assistant. Experimental work within neurobiology. Tasks: establishment of primary cultures of neurone and astrocytes and in vitro testing of

		potential anty/agonists of GABA receptor, and behavioural tests in rats and mice.
1986	FSA's Slaughterhouse, Ringsted, Denmark	Veterinary inspection
1979 – 1983	University of Warmia and Mazury, Veterinary Faculty, Poland	Research Assistant. Tasks: lecturing and holding practical courses in veterinary pharmacology and pharmacy, Research: the role of adrenergic receptors in the regulation of blood flow in swine reproductive organs

Scientific expertise

- Chemical Risk Assessment
- Mammalian Toxicology
- Toxicological testing
- Mechanism of Toxicity
- Veterinary and laboratory animal pathology
- Translational toxicology
- Carcinogenicity

Most relevant scientific publications within the fields of EFSA

Co-author of 73 peer-reviewed papers (research areas: nanotoxicity, toxicology, effects of dietary components and food chemicals on atherosclerosis, cancer, or microbiota).

1. Modrzynska J, Berthing T, Ravn-Haren G; Raun Jacobsen N, Konow Weydahl I, Loeschner K, Mortensen A, Thoustrup Saber AT, Vogel U (2018): Primary genotoxicity in the liver following pulmonary exposure to carbon black nanoparticles in mice. Particle and Fibre Toxicology 15:12. DOI 10.1186/s12989-017-0238-9.
2. Xiao L, Sonne SB, Feng Q, Chen N, Hia Z, Li X, Fand Z, Zhang D, Fjære E, Midtbø LK, Derrien M, Hugenholtz F, Tang L, Li J, Zhang J, Liu C, Hao Q, Vogel UB, Mortensen A, Kleerebezem M, Licht TR, Yang H, Wang J, Li Y, Arumugam M, Wang J, Madsen L, Kristiansen K (2017): High fat feeding rather than obesity drives taxonomical and functional changes in the gut microbiota in mice. Microbiome 5: 43 DOI 10.1186/s40168-017-0258-6.
3. Hadrup N, Katrin Löschner K, Skov K, Ravn-Haren G, Larsen EH, Mortensen A, Lam HR, Frandsen HL (2016): Effects of 14-day oral low dose selenium nanoparticles and selenite in rat – as determined by metabolite pattern determination. PeerJ. 2016; 4: e2601; DOI 10.7717/peerj.2601.
4. Myrmet LS, Fjære E, Midtbø LJ, Bernhard A, Petersen RK, Sonne SB, Mortensen A, Hao Q, Brattelid T, Liaset B, Kristiansen K, Madsen L (2016). Macronutrient composition determines accumulation of persistent organic pollutants from dietary exposure in adipose tissue of mice. The Journal of Nutritional Biochemistry 27: 307-316.
5. Poulsen,SS, Saber AT, Mortensen A, Szarek J, Wu D, WilliamsA, AndersenO, Jacobsen NR, Yauk CL, Wallin H, Halappanavar S, Vogel U (2015). Changes in cholesterol homeostasis and acute phase response link pulmonary exposure to multiwalled carbon nanotubes to risk of cardiovascular disease. Toxicology and Applied Pharmacology 283:210-222.
6. Mortensen A, Granby K, Eriksen FD, Cederberg TL, Friss-Wandall S, Simonsen Y, Broesbøl-Jensen B, Bonnichsen R (2014). Levels and risk assessment of chemical contaminants in byproducts for animal feed in Denmark. Journal of Environmental Science and Health, Part B, 49: 797-810.

7. Sharma AK, Mortensen A, Schmidt B, Frandsen H, Hadrup N, Larsen EH, Binderup M-L (2014). In vivo genotoxicity and inflammation study of the organo-modified Montmorillonite Cloisite® 30B. *Mutation Research* 770:66-71.
 8. Saber AT, Jacobsen NR, Mortensen A, Szarek J, Jackson P, Madsen AM, Alstrup Jensen K, Koponen IK, Brunborg G, Bjerve Gützow K, Vogel U and Wallin H (2012). Nanotitanium dioxide toxicity in mouse lungs is reduced in sanding dust from paint. *Particle and Fibre Toxicology* 9:4.
 9. Hadrup N, Loeschner K, Bergström A, Wilcks A, Gao X, Vogel U, Frandsen HL, Larsen EH, Lam, HR, Mortensen A (2012). Subacute oral toxicity investigation of nanoparticulate and ionic silver in rats. *Arch Toxicol.* 86(4):543-51.
 10. Fricke CB, Schrøder M, Poulsen M, von Bergman K, Wester I, Knudsen I, Mortensen A, Lütjonnann D (2007). Plasma and brain tissue phytosterol and phytostanol levels in Watanabe rabbits fed rapeseed oil derived plant sterol and stanols. *The British Journal of Nutrition* 98:503-510.
 11. Mortensen A, Sørensen IK, Aarup V, Bertram M (2002). Assessment of carcinogenicity of di(2-ethylhexyl)phtalate in short-term assay in XPA-/- and XPA-/-/p53+/- mice. *Toxicologic Pathology* 30 (2): 188-99.
 12. Mortensen A, Breinholt V, Dalsgaard T, Frandsen H, Lauridsen ST, Laigaard J, Ottesen B, Larsen J-J (2001): 17 β -estradiol but not the phytoestrogen naringenin attenuates aortic cholesterol accumulation in WHHL rabbits. *Journal of Lipid Research* 42:834-843
 13. Kristiansen E, Mortensen A & Sørensen KI. Effects of long-term feeding with 2-amino-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in mice (1998). *Cancer Letters* 122: 215-220.
 14. Mortensen A & Frandsen H (1996). Reproductive performance and changes in blood lipids in breeding females and in growing Watanabe heritable hyperlipidemic and New Zealand rabbits. *Laboratory Animals* 30: 252-259.
 15. Mortensen A & Ladefoged O (1992). Delayed neurotoxicity of trixylenyl phosphate and a trialkyl/aryl phosphate mixture, and the modulating effect of atropine on tri-o-tolyl phosphate-induced neurotoxicity. *Neurotoxicology*, 13: 347-354.
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