BIOGRAPHY

01/06/011

Title and name
Dr Alicja Mortensen

Nationality
Danish

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

Education
DVM, 1979 University of Agriculture and Technology (present name: University of Warmia and Mazury), Olsztyn, Poland
Supplementary course for authorisation as a veterinarian in Denmark October 1984 – December 1985 Royal Veterinary and Agricultural University of Denmark, Copenhagen, DK
PhD 1996, University of Roskilde, Denmark

Scientific and risk assessment experience
Research experience in the area of diet and health (effects of dietary factors on atherosclerosis and/or cancer in animal models of human diseases), in evaluation of animal models in biomedical research and of transgenic animals for short-term carcinogenicity testing. Strong background in veterinary pathology and laboratory animal science, in planning, conducting, analysing and reporting of animal studies, and in extrapolation from results in laboratory animal studies to human situation. As a toxicologist performing risk assessments of chemicals, thorough knowledge of principles of toxicological testing, and experience with interpretation of experimental and toxicology data and with critical analysis of the presented result. Other area of experience: veterinary pharmacology and neuropharmacology.

Main scientific publications
More than 55 peer-reviewed papers, several proceeding papers, and 10 popular articles in Danish mainly dealing with effects of dietary components (fats e.g. olive oil, fish oil, trans-fatty acids, isoflavones, lignans, phytoestrogens versus hormone replacement therapy, plant sterols and stanols) on atherosclerosis and/or cancer, use of laboratory animals in biomedical research.

1. Schmidt B, Loeschner K, Hadrup N, Mortensen A, Sloth JJ, Koch BK, Larsen EH (2011): Quantitative characterization of gold nanoparticles by Field-Flow Fractionation Coupled On-line with Light Scattering Detection and Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry 83(7): 2461-2468.

2. Mortensen A, Kulling SE, Schwartz H , Rowland I, Ruefer C , Rimbach G , Cassidy A, Magee P, Millar J, Hall WL , Birkved FK , Sorensen IK, Sontag G (2009). Analytical and compositional aspects of isoflavones in food and their biological effects. Molecular Nutrition & Food Research, 53, S266-S309.

3. Mortensen A, Sørensen IK, Wilde C, Dragoni S, Mulerova D, Toussaint O, Zloch Z, Sgaragli G, Ovesna J (2008). Biological models for phytochemical research: from cell to human organism. British Journal of Nutrition. 99 E-Suppl. 1, ES118-ES126.

4. Mortensen A. (2006). Sweeteners permitted in the European Union. Safety aspects. Scandinavian Journal of Food and Nutrition 50 (3): 104-116.

5. Mortensen A, Lukanidin E, Ambartsumian NS, Sørensen IK (2004): 26-week exposure to 2 amino-3 methylimidazo[4,5-f]quinoline (IQ) does not significantly increase the incidence of tumors in aging HMG-mts1 transgenic and C57BL/6ByA mice. Scandinavian Journal of Laboratory Animal Science 31: 131-141

6. Mortensen A, Sørensen IK, Aarup V, Bertram M (2002): Assesment of carcinogenicity of di(2-ethylhexyl)phtalate in short-term assay in XPA-/- and XPA-/-/p53+/- mice. Toxicologic Pathology 30 (2): 188-99

7. Mortensen A, Breinholt V, Dalsgaard T, Frandesn H, Lauridsen ST, Laigaard J, Ottesen B, Larsen J-J (2001): 17β-estradiol but not the phytoestrogen naringenin attenuates aortic cholesterol accumulation in WHHL rabbits. Journal of Lipid Research 42:834-84

8. Mortensen A, Hansen FB, Hansen FJ, Frandsen H, Bartnikowska E, Andersen SP, Bertelsen SL (1998): Comparison of fish oil and olive oil effect on blood lipids and aortic atherosclerosis in Watanabe heritable hyperlipidemic rabbits. British Journal of Nutrition 80: 565-573

9. Mortensen A, Espensen PL, Fischer Hansen B, Ibsen P (1992): The influence of dietary olive oil and margarine on aortic cholesterol accumulation in cholesterol-fed rabbits maintained at similar plasma cholesterol level. Atherosclerosis 96: 159-170

10. 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, (3): 347-354