

BIOGRAPHY

27/06/2012



Title and name

Dr. Kristen Sejrsen

Nationality

Denmark

Panel

Additives and products or substances used in animal feed (FEEDAP)

Education

Cand. agro., 1973, Royal Agricultural and Veterinary University, Copenhagen, Denmark

Ph, D. in dairy Science, 1981, Michigan State University, East Lansing, Michigan, USA

Scientific and risk assessment experience

The overall focus of my scientific activities has been to elucidate the physiological basis for nutritional variation in growth, development and lactation. In this context I have worked on mammary development in heifers, cows and sows. More recently, I have worked in the area of the effect nutrition on bioactive components (fatty acids, growth factors, CLA and phyto-estrogens) in milk, both in relation to their effects in the offspring, the mammary gland and human health. I have been involved in the discussion on the influence of hormones on animal and human health and been a member of the Danish Board for Feed additives and the Scientific Committee for Animal Nutrition (SCAN)

Main scientific publications

Published in the following main areas: Feeding of heifers and cows; mammary and lactation biology in cattle and pigs; milk composition; milk and human health.

- Mani, O, Körner M, Ontsouka CE, Sorensen MT, Sejrsen K, Bruckmaier, RM and Albrecht, C. 2011. Identification of ABCA1 and ABCG1 in milk fat globules and mammary cells—implications for milk cholesterol secretion. Journal of Dairy Science, 94 1265-1276.
- Thorn, SR, Purup, S, Vestergaard, M, Sejrsen, K, Meyer, MJ, Van Amburgh, ME & Boisclair, YR 2008, 'Regulation of mammary parenchymal growth by the fat pad in prepubertal dairy heifers: Role of inflammation-related proteins', Journal of Endocrinology, vol. 196, nr. 3, s. 539-546.
- Purup, S, Vestergaard, M, Pedersen, LO & Sejrsen, K 2007, 'Biological activity of bovine milk on proliferation of human intestinal cells.', Journal of Dairy Research, vol. 74, nr. 1, s. 58-65.
- Sørensen, MT, Nørgaard, JV, Theil, PK, Vestergaard, M & Sejrsen, K 2006, 'Cell turnover and activity in mammary tissue during lactation and the dry period in dairy cows', Journal of Dairy Science, vol. 89, s. 4632-4639.
- Tholstrup, T, Raff, M, Basu, S, Nonboe, P, Sejrsen, K & Straarup, EM 2006, 'Effect of diet high in conjugated linoleic acid on blood lipids, oxidative stress, C-reactive protein, hemostatic markers

and fasting insulin in healthy, young men.', American Journal of Clinical Nutrition, vol. 83, s. 237-243.

- Nielsen, TS, Straarup, EM, Vestergaard, M & Sejrsen, K 2006, 'Effect of silage type and concentrate level on conjugated linoleic acids, trans-C18:1 isomers and fat content in milk from dairy cows', Reproduction Nutrition Development, vol. 46, s. 699-712.
 - Raff, M, Tholstrup, T, Sejrsen, K, Straarup, EM & Wiinbjerg, N 2006, 'No effect of conjugated linoleic acid (CLA) and vaccenic acid (VA) on blood pressure and isobar arterial elasticity in healthy young men', Journal of Nutrition, vol. 136, s. 992-997.
 - Sejrsen, K., Purup, S. & Vestergaard, M. 2000. High body weight gain and reduced bovine mammary growth: physiological basis and implications for potential milk yields. Domestic Animal Endocrinology, 19, 93-104
 - Sejrsen, K., Foldager, J., Sørensen, M.T., Akers, R.M. & Bauman, D.E. 1986. Effect of exogenous bovine somatotropin on pubertal mammary development in heifers. Journal of Dairy Science 69, 1528-1538.
 - Sejrsen, K., Huber, J.T., Tucker, H.A. & Akers, R.M. 1982. Influence of plane of nutrition on mammary development in pre- and post-pubertal heifers. Journal of Dairy Science 65, 783-800.
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