

Mogens Larsen - Curriculum vitae

Personal data

Mogens Larsen, born April 14th, 1971, married, 3 children

Present position (01.06.2015 -)

Senior researcher, Department of Animal and Veterinary Sciences, Research Center Foulum, Aarhus University

Profile

My research areas are nutrition and feeding focussing on nutrient utilization and digestive and metabolic physiology in cattle. A main area is nutrient requirement of dairy cows during adaptive periods. Methodologies applied are digestibility trials, nutrient flux measurements across tissues, stable isotope techniques as well as production trials.

Education

2011 University teaching ("assistant professor course"), Aarhus University

2009 Industrial Ph.D., Faculty of Life Sciences, University of Copenhagen

2003 Project leader education, module 1. DIEU

1998 M.Sc. The Royal Veterinary and Agricultural University, Copenhagen

Previous relevant positions

2009-2015 Assistant professor/postdoc, Department of Animal Science, Foulum, Aarhus University

2003-2005 Advisor, Danish Cattle Federation, Danish Agricultural Advisory Service, Aarhus

1999-2003 Nutritionist, Danish Cooperative Farm Supply (DLG), Axelborg, Copenhagen

Projects

2024-27 Quantifying emissions from dairy cows on pasture and the associated land areas, GHG-Græs (~15 mio dkk. Principal investigator). Funded by Ministry of Food, Agriculture and Fisheries of Denmark (BUP-LBST)

2024-27 Quantifying and reduction of nitrogen loss and emission of greenhouse gasses from dairy cattle and cattle slurry, N-LIFE (~15.8 mio dkk. Principal investigator). Funded by Ministry of Food, Agriculture and Fisheries of Denmark (BUP-LBST) and Aarhus University

2022-24 Barn feeding with fresh grass (~5.2 mio dkk. Principal investigator). Funded by Danish Milk Levy Fund and Aarhus University

2021-24 Beet silage for future sustainable dairy production. UNBEETABLE (~9.4 mio dkk. Principal investigator). Funded by Ministry of Food, Agriculture and Fisheries of Denmark (GUDP), KWS, and Aarhus University

2010-14 Effect of periparturient protein deficiency on liver protein synthesis, epithelial proliferation and immunity in cows (~4.5 mio dkk.. Principal investigator). Funded by DFF|FTP (postdoc grant)

International collaboration

2021-2025 Collaboration with Dr. Mark Hanigan, Virginia Tech, Virginia, USA

2017-2020 Collaboration with Dr. Rupert Bruckmaier, Veterinary Physiology, University of Bern, Switzerland

2013-2015: project collaboration with Dr. Björn Kuhla, Leibniz Institute for Farm Animal Biology,

Nutritional Physiology Unit "Oskar Kellner", Dummerstorf, Germany

2011-2012: Stays with research scientist Hélène Lapierre, Agriculture and Agri-Food Canada, Lennoxville, Quebec, Canada. FTP postdoc project.

Selection of peer-reviewed publications (total of 57; Citations = 980; H-factor = 17)

de Evan, T., Johansen, M., Weisbjerg, M.R., **Larsen, M.**, 2024. Effect of grinding or rolling fava beans on feed intake and milk production in Holstein cows. *Livest. Sci.* 285, 105493.

Hernández-Castellano, L.E., Sørensen, M.T., Foldager, L., Herskin, M.S., Gross, J.J., Bruckmaier, R.M., **Larsen, M.**, 2023. Effects of feeding level, milking frequency, and single injection of cabergoline on blood metabolites, hormones, and minerals around dry-off in dairy cows. *J. Dairy Sci.* 106, 2919-2932.

Wang, W., Lund, P., **Larsen, M.**, Weisbjerg, M.R., 2023. Effect of nitrate supplementation, dietary protein supply, and genetic yield index on performance, methane emission, and nitrogen efficiency in dairy cows. *J. Dairy Sci.* 106, 5433-5451

Larsen, M., Røntved, C.M., Theil, P.K., Khatun, M., Lauridsen, C., Kristensen, N.B., 2017. Effect of experimentally increased protein supply to postpartum dairy cows on plasma protein synthesis, rumen tissue proliferation, and immune homeostasis. *J. Anim. Sci.* 95, 2097-2110.