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### Education

1994: PhD at The Royal Veterinary and Agricultural University of Denmark  
1990: MSc in Biochemistry. University of Southern Denmark

### Employment

2007-: Senior scientist, Aarhus University, Department of Animal and Veterinary Sciences  
1998-2007: Senior scientist, Danish Institute of Agricultural Sciences, Dept. of Animal Health, Welfare and Nutrition  
1994-1998: Scientist, Danish Institute of Agricultural Sciences, Dept. of Nutrition  
1991-1994: Research fellow, The Danish Research Academy/National Institute of Animal science, Department of Animal Physiology and Biochemistry

### Research

My main research areas are:

- 1) Non-targeted liquid chromatography-mass spectrometry (LC-MS) based metabolomics. The technique is primarily used in nutritional intervention studies both in animal (e.g. pigs, rats, and mink) and in human studies. The matrices studied are: urine, blood, feces (digesta), and tissue.
- 2) Digestive physiology with focus on development of digestive enzymes and intestinal morphology in pigs around weaning.

Key words: Non-targeted metabolomics, Weaning, Digestive physiology, Health, Animal models, Pigs

### Leadership and Administration

Principal investigator/project leader etc. on research grants:

- 2024-2025: Project leader in "Højere foderintag for alle grise inden fravænning" funded by Swine Levy Fund.
- 2023-2024: Project leader in "MAVE-VEL: Mavesår hos grise – et overset velværdsproblem" funded by Gluds legat.
- 2019-2022: Project leader in "FORFRA - Feed the pigs and train the enzymes prior to weaning" funded by GUDP (Green development and demonstration programme) (J.no. 34009-18-1460)
- 2015-2020: Task leader in Horizon 2020 project Feed-a-Gene (H2020 no. 633531)
- 2016-2019: Work package leader in "DISI – Delivery of Intestinal Satiety inducing Ingredients" funded by Innovation Fund Denmark (J. no. 5158-00011B).
- 2015-2019: Work package leader in "MERITS - Metabolic changes by carbohydrate and protein quality in the development and mitigation of metabolic syndrome" funded by Innovation Fund Denmark (J. no. 4105-00002B).
- 2007-2019: Project leader/Work package leader in various projects regarding physiological research in mink funded by Pelsdyrafgiftsfonden and Kopenhagen Forskning.
- Ad hoc referee for international journals (J. Anim. Sci., J. Nutr., Br. J. Nutr., Animal, J. Anim. Physiol. Anim. Nutr., Biol.Trace Elem. Res., Livest. Sci., Eur. J. Nutr., and Histo. Histopath.)

### Innovation, Industry collaboration and Technology Transfer

Collaboration with industrial partners:

IFF/DuPont Nutrition & Biosciences, Hamlet Protein, Arla, Novonesis, DLG, Vestjyllands Andel, SEGES

Collaborations with other research groups:

University of Copenhagen, DK; Wageningen Livestock Research, NL; INRAE, FR; Chalmers University of Technology, SE; Norwegian University of Life Sciences, NO; University of Eastern Finland, FI; University of California Davis, US.

**Publications:**

- 122 peer-reviewed scientific papers (27 first author, 16 last author)
- 8 book chapters
- 21 Danish publications
- >100 abstracts from scientific meetings
- H-index: 38 (Calculated using Google Scholar, May 2025)
- Total number of citations exceed 7500