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COMPETENCES

- Programming
- Statistical methods
- Quantitative genetics
- Machine learning
- Animal management

PERSONAL PROFILE

- Analytical mindset
- Structured approach
- Calm and stable
- Motivated by challenges
- Adapting and openminded
- Independent

Kresten Johansen

Cand.scient.agro, PhD in Genetics

Work experience

2025-(2027)
Postdoc, Department of Animal and Veterinary Sciences, Aarhus University
Research in feed additives for methane reduction in ruminants.

2024-2025
Post doc, Center for Quantitative Genetics and Genomics, Aarhus University
Involves tasks in developing a methane database and teaching responsibilities

2021-2024
PhD - Feed efficiency, methane emission and meat quality: New phenotypes and genetic influences in crossbred youngstock, Center for Quantitative Genetics and Genomics, Aarhus University

The PhD study at Aarhus University involved studies in novel traits in crossbred cattle. During the period various tasks was completed in teaching, dissemination of research, courses in genetics, genomics, data analysis and machine learning. Articles:

- **Growth and feed efficiency of Nordic Red Dairy Cattle, Holstein, and their F1 crossbreeds when limiting feed energy concentration in prepubertal heifers** – Journal of Dairy Science: <https://doi.org/10.3168/jds.2024-24904>
- **Beef-on-Dairy: Current and Potential Meat Quality of Dairy-Based Beef Production with Culled Holstein Cows and Danish Blue × Holstein Crossbred Calves** – ACTA: DOI: <https://doi.org/10.1080/09064702.2024.2403656>
- **Repeatability and genetic parameters for phenotypes of methane emission in crossbred Beef × dairy slaughter calves** – Animal: <https://doi.org/10.1016/j.animal.2025.101478>

2020-2021
Research assistant, Center for Quantitative Genetics and Genomics, Aarhus University
Employed as part of the project: “Fastholdelse af dansk position på malkekvægskrydsning”, my job has been to work on the analysis and publication of results from the project. Main areas has been to validate feed intake in a controlled study, analyze population data from the Danish Cattle database and to review possible methods for modelling and calculating heterosis.

2017-2020
Student associate, Husdyrinnovation SEGES, Aarhus
Major tasks involved economic calculations on BeefxDairy calves and programming of a tracing program for pedigrees..

Education

2018-2020
MSc in Agrobiology: Animals Science, Aarhus University
Focused on the main production animals, with quantitative genetics, animal diseases and pathology and feed evaluation. The master thesis was a genetic analysis of meat quality in BeefxDairy crossbred calves. The thesis involved a thorough review of meat quality and a genetic parameter analysis of traits related to meat quality.

2015-2018
BSc in Agrobiology. Aarhus University
The focus of the education was a broad perspective in Animal Science along with basic biology courses. The bachelor project was titled “Correlation between reproduction and dry matter intake in start lactation.”
