Department of ANIMAL SCIENCE

Contributes to a sustainable livestock production, human nutrition and health
Department of Animal Science

The research in the Department of Animal Science focuses on developing health, reproduction, welfare and quality promoting strategies for livestock production while at the same time ensuring a high level of efficiency and low impact on the climate and the surrounding environment.

The overall aim of the Department of Animal Science is to carry out basic, strategic and applied research within nutrition, health and welfare.

The aim of the research is to strengthen the competitiveness and ensure a sustainable livestock production with high animal welfare and health, high nutritional food quality, high food safety and low impact on the climate and the surrounding environment.

The research activities form the basis of the department’s research-based public sector consultancy, the research-based education and our cooperation with the livestock sector and industry.
Who are we?
The Department of Animal Science employs 200 people who are organized in the following sections:

• Nutrition
• Health
• Welfare

Furthermore, the department has several theme groups dealing with different interdisciplinary research areas.

The department conducts both basic and applied research - often in close collaboration with e.g. the livestock sector and industry.

Leading competence areas

The Department of Animal Science has leading competences within:

• Feedstuffs and biomass
• Digestion and gastrointestinal microbiology
• Nutrition and physiology
• Livestock production and environment/climate
• Cell biology and reproduction
• Animal models
• Disease mechanisms and disease resistance
• Immunology and health
• Behaviour and welfare
• Management and production economy
• Biomarkers, automatic registration and production management
• Sustainable livestock production

Unique research facilities

The department has at its disposal unique research facilities, including advanced laboratories, operation theatres, intensive barns, infection barns and experimental abattoir. Further, there are flexible research facilities for cattle, pigs, poultry, rats and mice.

The research facilities also include an organic livestock platform for research in management, technique, nutrition, health and behaviour. The organic livestock platform is primarily intended for poultry, pigs and horses, but can also be used for other species.
**Dissemination and education**

The Department of Animal Science regards it as an important task to disseminate research results both to the international research community and the surrounding society and has great focus on technology transfer.

The scientists of the department are responsible for the livestock line of the agrobiology program at the bachelor and master levels. Further, the department provides the master program “Assessment of animal welfare in the primary production”.

At PhD level the department offers an exciting research education program (Animal Health, Welfare and Nutrition) and strives to achieve an attractive PhD student environment with students both from Denmark and abroad.

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**More information**

You can find more information on our website: www.anis.au.dk. Here you can subscribe to our newsletters and thus get information about our current research activities and results directly into your mailbox.

You can also follow the Department of Animal Science on LinkedIn and on Twitter: https://twitter.com/Husdyrforskning.

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