

Curriculum Vitae – Klaus Lønne Ingvarsten, PhD

Profile

Senior scientist with more than 35 years of internationally recognised contributions to dairy cattle intake regulation and prediction, physiology, metabolic regulation, transition-cow biology, biomarker development and immunometabolism. His scientific impact is characterised by major first-author and senior-author publications shaping core understanding of feed-intake regulation, energy balance, metabolic imbalance and disease susceptibility in dairy cows, including landmark works from 1994, 2000, 2003, 2005 and 2006. Parallel to his scientific achievements, he has held significant administrative and strategic leadership roles, including 14 years as Head of Department at Aarhus University, with full responsibility for scientific strategy, personnel leadership of more than 200 employees, financial management, research infrastructure and major organizational development.

Education

- Farmer Certificate, 1976
- Diploma Agricultural Technician, 1978
- Cand. Agro. (MSc Animal Science), 1983
- PhD, RVAU: Prediction of voluntary feed intake in growing cattle

Employment History

- Senior Scientist, Animal and Veterinary Sciences, AU (2021–present)
- Head of Department, Animal Science, AU (2011–2021)
- Head of Department, Animal Health & Nutrition (2007–2011)
- Acting Head, Research Facilities (2008)
- Deputy Research Director (2005–2007)
- Head of Research Units (1998–2007)
- Scientist / Senior Scientist (1984–1991; 1992–)
- PhD Student (1987–1989)
- Research Technician (1978–1983)

Selected First-Author Key Contributions

- Ingvarsten (1994). Models of voluntary food intake in cattle.
- Ingvarsten (2006). Feeding and management related diseases in transition cows: Physiological adaptations around calving and strategies to reduce feeding-related diseases
- Ingvarsten & Andersen. (2000). Integration of metabolism and intake regulation: a review focusing on periparturient animals
- Ingvarsten & Boisclair (2001). Leptin and regulation of intake and immunity.
- Ingvarsten & Friggens (2005). Variability in hormones, metabolites and milk yield.
- Ingvarsten, Moyes. (2013). 'Nutrition, immune function and health of dairy cattle
- Ingvarsten, Dewhurst & Friggens. (2003). On the relationship between lactational performance and health: is it yield or metabolic imbalance that cause production diseases in dairy cattle? A position paper

Teaching & Supervision

30+ years of teaching; supervisor/co-supervisor for numerous MSc and PhD students.

Professional and Administrative Experience

Professional and Administrative Experience

Extensive leadership and strategic responsibilities across departmental, unit, and institutional levels, including long-term departmental management, coordination of multidisciplinary research environments, and participation in national and international governance bodies.

Departmental Leadership

- Head of Department, Animal Science (formerly Animal Health & Bioscience), Aarhus University (2011–2021), with full scientific, administrative, financial and personnel responsibility (>200 employees).
- Head of Department, Animal Health, Welfare & Nutrition (2007–2011), overseeing major reorganizations and facility integration.
- Acting Head, Research Facilities (2008), responsible for integrating major animal and laboratory facilities into core departmental structures.

Research Unit Management

Head of Research Units for Production Diseases, Immunology (1998-2004), and Disease Mechanisms, Markers & Prevention (2005–2007), including strategy, daily leadership, budgeting, recruitment and coordination of interdisciplinary teams.

Administrative and Governance Roles

- Deputy Research Director (2005–2007), with cross-departmental coordination, resource allocation, and implementation of management systems.
- Oversight of large animal facilities and >420 ha of experimental farmland following reorganizations (from 2009).
- Service on numerous committees (safety, finance, administration, education) and facility-development steering groups (2000–2021).

Strategic Research Coordination

- Chair/member of the Cattle Research Committee (2003–2021), shaping national research priorities.
- Coordinator and board member of the BIOSENS public–private partnership (2002–2012).
- Contributor to faculty-level strategy and organizational development (2012–2016).

National and International Advisory Work

- Evaluator for major funding agencies including FORMAS (Sweden), NSERC (Canada), DFG (Germany), BARD (US–Israel), and FCT (Portugal).
- Representation on national boards including the Danish Cattle Research Centre, the Knowledge Centre for Pig Production (2005–2021) and ICROFS (2018-2025).

Project and Budget Management

- PI/co-PI on projects exceeding 136 million DKK, including EU FP7 and national strategic programmes and participant in projects exceeding 34 million DKK.
- Responsibility for research-unit budgets of 17–23 million DKK (2005–2007).
- Responsible for Department budget of 150-200 million DKK (2007–2021).

Publications

The publication list covering 1981-2024 includes a total of 398 titles. This includes e.g. 129 papers in peer reviewed journals, 8 book chapters, 118 abstracts at international conferences, 38 abstracts/presentations at National and Nordic conferences, seminars and network, 34 reports from DJF and 64 publications in magazines and newspapers. Please see the publication list or:

<https://pure.au.dk/portal/da/persons/kli%40anivet.au.dk/> or

<https://scholar.google.com.au/citations?user=Q6Efn7UAAAAJ&hl=en/>