

# CV Nuria Canibe

Senior Researcher

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## Personal information

Born: September 27, 1967, Spain.  
Address: Valmuevej 18, Hobro

## Education

1995 Ph.D. degree, The Royal Veterinary and Agricultural University, Denmark.  
1990 Veterinary degree, Facultad de Veterinaria, Universidad de Zaragoza, Spain.

## Employment

2002-present	Senior Research Scientist, Danish Institute of Agricultural Sciences, Department of Animal Nutrition and Physiology. (Now Aarhus University, Dept. of Animal and Veterinary Sciences, ANIVET)
1993-2002	Research Scientist, Danish Institute of Agricultural Sciences, Department of Animal Nutrition and Physiology.
1992-1993	Guest research scientist, The National Institute of Animal Science, Dept. of Animal Physiology and Biochemistry.

## Maternity leave:

1999, 2004 (ca. 60 weeks)

## Research

My research explores the interactions between feed, gut microbiota, and the host, with a primary focus on microbial ecology in pigs. I investigate how nutritional strategies—including specific feed ingredients, and additives like probiotics, prebiotics, organic acids, and plant-based additives—affect gut health and growth performance. A central goal is to promote animal health and robustness while minimizing the use of antibiotics and avoiding medicinal heavy metals. My work concentrates on the weaning period, aiming to prevent post-weaning diarrhea. I use in vitro models, an *E. coli* infection model and non-challenge in vivo studies to investigate gut microbiota composition and activity, as well as both local and systemic host responses. The ultimate goal of my research is to reduce the risk of antimicrobial resistance while ensuring animal welfare and performance.

*Key words: Nutritional strategies; Feed additives; Gastrointestinal ecology; Gut health; Microbiome; Pigs; Microbial metabolites; Post-weaning diarrhoea.*

## Publications

Author or co-author of 86 international peer-reviewed publications and 2 book chapters.  
Web of Science H-index = 27 (2671 total citations), Scopus H-index = 28; Google Scholar h-index = 33 (4902 citations).  
Other publications: >100.  
For complete publication list see: <https://pure.au.dk/portal/da/persons/nuria.canibe%40anivet.au.dk/publications/>

## Research training abroad

2018 INRA, GABI, Jouy En Josas, France. 1 month  
1996 Unité de Nutrition INRA, Nantes Cedex 03, France. 6 months.  
1994 Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, Alberta, Canada; and Department of Animal Science, University of Manitoba, Winnipeg, Manitoba, Canada. 1 month.

## Teaching/supervision

- Currently supervisor of 7 PhD students.
- Acted as examiner for PhD/master theses.
- Acted as examiner in the bachelor course Microbiology (Aarhus University) and Agrobiology (Aarhus University)
- Teaching in bachelor, master, and PhD courses at Aarhus University.

### **International collaborations**

- Participant in The European Partnership Animal Health & Welfare (EUP AH&W) (2024-2026)
- Participant in The European Partnership Animal Health & Welfare (EUP AH&W) (2026-2029)
- Participant in PIG-PARADIGM, Novo Nordisk Foundation (2022-2026)
- Participant in Innovative Training Networks (ITN) Call: H2020-MSCA-ITN-2020, 'Training and research for sustainable solutions to support and sustain gut health and reduce losses in monogastric livestock' (2021-2024).
- Participant in the COST Action IPEMA - Innovative Approaches for Pork Production with Entire Males (2016-2020).
- Participant in the COST Action PiGutNet- European network on the factors affecting the gastro-intestinal microbial balance and the impact on the health status of pigs (2014-2018).
- Collaboration in projects with national and international participants, both industry and academia.

### **Memberships**

- Member of the Editorial Board of Archives of Animal Nutrition (2019- ).
- Section Editor of the journal Livestock Science (2012-2013)
- Ad-hoc member of the European Food Safety Authority (EFSA) (2012-2013).
- Member of the Editorial Board of Journal of Animal Science (2008-2010).

### **Leadership and Administration**

- Coordinator of the Theme Group 'One Health' in the Department of Animal and Veterinary Sciences, Aarhus University.
- Project leader or workpackage leader of several projects:
  - Feeding strategy based on fermented cereals and probiotics to improve gut health and reduce post-weaning diarrhoea in pigs (2018-2020) (Veterinærforlig III 2018-2021)
  - PIG-PARADIGM (Nutrition Research Theme), Novo Nordisk Foundation (2022-2026)
  - YeastHealth-from side stream to functional ingredient for piglets, GUDP (2023-2025)
  - MethEnzwine- Reducing methane emissions and improving growth performance and health with a novel enzyme applied to swine. Innovation Fund Denmark (2022-2025)
  - Effect of UV light on pathogen load and vitamin D synthesis in pig barns (UVIBA) (GUDP) (2021-2024).
  - Prevention of E. coli-induced post-weaning diarrhea by vaccine-induced secretory IgA (SIgAVAC), GUDP (2020-2024)
  - Ablacto+: Biotechnological fight against post-weaning diarrhea, GUDP (2020-2024)
  - Plant cocktails with antibacterial effect against weaning diarrhea in organic piglets - applied proof of concept. MAFFRA – II (GUDP) 2019-2022
  - Leader of many projects conducted with the industry.

### **Other professional activities**

- Guest Editor of the Special Issue 'Gut Microbial Ecology in Pigs—Impact on the Gut and Beyond' in the journal Microorganisms (2020).
- Ad hoc reviewer for several journal related to (pig) microbiology, nutrition and physiology.

### **Innovation, Industry collaboration and Technology Transfer**

- Collaboration at various levels with different companies (e.g., Dupont, Novozymes, Chr. Hansen, Adisseo, Evonik, Lallemand, SEGES, Kemira, Norsk Hydro).
- Patent: Essential amino acids provided by Bacillus in liquid feed.  
[https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2016030441&\\_cid=P20-KB95PZ-20721-1](https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2016030441&_cid=P20-KB95PZ-20721-1)

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