

CURRICULUM VITAE – Karl Pedersen

Position: Professor
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Education:

- DVM, Royal Veterinary and Agricultural University (RVAU), Copenhagen, January 1985
- PhD in Veterinary Microbiology, RVAU, February 1991
- DVSc., RVAU, September 2000

Most recent employments:

- 1/10 2024 – present: Professor in Veterinary Microbiology and Food Safety, Aarhus University, Department of Animal and Veterinary Science, Blichers Allé 20, 8830 Tjele, Denmark
- 1/8 2022 – 30/9 2023: Manager, SEGES Innovation, Axelborg, Axeltorv 3, 1609 Copenhagen V
- 1/9 2018 – 31/7 2022: Head of Section, Section for Antimicrobial Resistance, and Depute Head of Department, Department of Animal Health and Antimicrobial Strategies, National Veterinary Institute, Uppsala, Sweden
- 1/10 2013 – 31/8 2018 – Professor in Veterinary Bacteriology, Technical University of Denmark, Kemitorvet, Build. 202, 2800 Lyngby and Bülowvej 27, DK-1870 Frederiksberg C.
- 1/10 2011 – 30/9 2013 – Head of Research Group, Diagnostic Engineering, DTU National Food Institute, Mørkhøj Bygade 19, DK-2860 Søborg.
- 1/11 2008 – 30/9 2011 Head of Laboratory, National Zoonosis Lab, DTU National Food Institute, Bülowvej 27, DK-1790 Copenhagen V.

Scientific interests:

- Antimicrobial resistance, bacterial zoonoses, veterinary clinical microbiology, food safety, foodborne zoonoses, infectious diseases in domestic animals, wildlife and aquaculture animals
- Teaching, undergraduate and graduate students
- Laboratory management, quality assurance, consultancy of authorities and organisations
- Project management, research management, administration, supervision of master, bachelor and PhD students

Publications:

- 174 publications in international peer reviewed journals
- >200 other publications (conference abstracts, papers in Danish language, book chapters, a PhD thesis, and a dissertation).
- H-index 59 (Google Scholar), Citations >12,000

Most recent publications:

Hurri, E., K. Alvåsen, S. Widgren, A. Ohlson, A. Aspán, K. Pedersen, M. Tråvén. A longitudinal study of the dynamics of *Mycoplasma bovis* antibody status in primiparous cows and bulk tank milk in Swedish dairy herds. J. Dairy Sci. 2025,108,845-855. <https://doi.org/10.3168/jds.2024-25304>.

Myrenås, M., C. Fasth, K. Persson Waller, K. Pedersen. Genomic analyses of *Streptococcus uberis* reveals high diversity but few antibiotic resistance genes. Vet. Microbiol. 2025,300,110319, <https://doi.org/10.1016/j.vetmic.2024.110319>.

Myrenås, M., K. Pedersen, U. Windahl. Genomic analyses of methicillin-resistant *Staphylococcus pseudintermedius* from companion animals reveal changing clonal populations, multidrug resistance and virulence. Antibiotics 2024, 13, 962. <https://doi.org/10.3390/antibiotics13100962>

Pedersen, K., M.W. Nielsen, M.E. Fertner, C. Espinosa-Gongora, P. Bækbo. Development of livestock-associated methicillin-resistant *Staphylococcus aureus* (LA-MRSA) loads in pigs and pig stables during the fattening period. Vet. Sci. 2024, 11, 558. <https://doi.org/10.3390/vetsci11110558>

Tams, K.W., A.R. Larsen, K. Pedersen, A.C. Ingham, A. Folkesson, I. Larsen, Ø. Angen, M.L. Strube. Resistomes from oxytetracycline-treated pigs are readily transferred to untreated pen mates. Animal Microbiome 2024,6,70 <https://doi.org/10.1186/s42523-024-00356-x>.