

Curriculum Vitae: Britt Bang Jensen (Born 1978)

E-mail: abrij@aqu.aqua.dtu.dk, Phone: +45 93518948

Orcid ID: 0000-0001-9536-9078

H-index: 23 (Scopus)

1136 citations in Scopus citations



Professional Profile

I am a veterinary epidemiologist, specialized in aquatic animal health. A running focus throughout my professional career is to develop better methods for monitoring and controlling diseases in the aquaculture industry, thus improving the health and welfare of farmed fish. I assist competent authorities and industry with research-based knowledge support on epidemiological aspects of diseases and health problems in aquaculture. This includes risk assessments, design of surveillance programs, evaluation of mitigation measures and inputs on optimal production structure and biosecurity. I teach veterinarians, fish health specialists and students within these fields, the principles and applications of aquatic epidemiology. I have experience within diagnostics, surveillance, research, dissemination, teaching and public sector consultancy, all with regards to aquatic animal health.

Employment

- 2024-present: Professor in Aquatic Animal Epidemiology, Technical University of Denmark
- 2022-present: Head of section for Section for Fish- and Shellfish diseases, DTU AQUA, Denmark
- 2013-2022: Senior scientist at Section for Epidemiology, Norwegian Veterinary Institute, Norway
- 2009-2013: Scientist at Section for Epidemiology, Norwegian Veterinary Institute, Norway
- 2009: Researcher, Section for fish diseases, Technical University of Denmark
- 2005-2009: PhD-student, Section for fish diseases, National Veterinary Institute & Faculty of Life sciences, Copenhagen University
- 2007: Coordinator for the EU Reference Laboratory for fish diseases, National Veterinary Institute
- 2004-2005: Veterinarian at Section for fish diseases, Danish Food and Veterinary Research Institute

Education

- 2009: PhD in fish diseases and epidemiology from Copenhagen University, Denmark
- 2004: Doctor of Veterinary Medicine (DVM), The Royal Veterinary and Agricultural University, Denmark

Other Commissions

- 2022-present: WOAHA expert on Viral Haemorrhagic Septicaemia Virus
- 2019-present: Member of editorial board for Journal of Fish Diseases
- 2012-2021: Secretary for the PD TriNation initiative
- 2012-2015: President for the International Society of Aquatic Animal Epidemiology
- 2008-2009: Member of EPIZONE (Network of Excellence for Epizootic Disease Diagnosis and Control)
- 2006-2011: Secretary for the Steering Committee of the International Society of Aquatic Animal Epidemiology
- 2006-2007: Invited expert for PANDA (Permanent Advisory Network for Diseases in Aquaculture)
- 2004-2009: Employer representative of the cooperation committee at DFVF, later DTU-VET

Project Managements

- 2024-present: Task leader in the action 'Assess the economic and societal burden of selected priority diseases' in the European Partnership on Animal Health and Welfare (HE 101136346)
- 2024-present: WP-leader of the project 'Improved ISA and PD virus biosecurity in the aquaculture industry based on new knowledge about disease spread and surveillance strategies' (FHF 901796)
- 2021-2024: Project leader of the project: 'Intelligent farming and health control in landbased recirculating aquaculture systems -IntelliRAS' (NordForsk 104876)
- 2021-2023: Case study leader of the project: 'Data-driven control and prioritisation of non-EU-regulated contagious animal diseases -DECIDE' (EU 101000494)
- 2019-2022: Project leader of the project: 'Understanding and monitoring mortality in farmed fish towards sustainable growth in aquaculture – MortMonitor' (NFR 294647)
- 2016-2020: Project leader of the project: 'Host density and pathogen transmission in salmon aquaculture: effects of increased production and changes in spatial allocations' (NFR 254830)
- 2015-2018: Project leader of: 'An epidemiological study of Cardiomyopathy Syndrome....' (FHF 901118)
- 2014-2016: Workpackage leader of workpackage 1 in the project 'Strategies to reduce spread of pancreas disease between marine salmonid production sites' (FHF 901005)
- 2014-2015: Project leader of the project: 'PD-review –Collation of knowledge on pancreas disease....' (FHF 901034)
- 2011-2015: Project coordinator of the project 'Molecular tracing of viral Pathogens in Aquaculture (MOLTRAQ)'. Under the EMIDA-ERA network (NRC number: 218985)
- 2011-2015: Workpackage leader in the project 'Multifactorial diseases in Norwegian Atlantic Salmon farming' (FHF 900658)
- 2012-2013: Task-responsible for task 2 of the EFSA-project 'Risk categorization for aquatic animal health surveillance'(CFP/EFSA/AHAW/2011/03)
- 2009-2011: Project leader of the project "Heart and skeletal muscle inflammation (HSMI) in Atlantic salmon: diagnosis, pathogenesis and epidemiology" (NFR-number 178950)
- 2009-2011: Workpackage leader of workpackages 1+2 of "Cardiomyopathy syndrome: A multi-task approach to reduce losses and improve knowledge" (NFR-number 187301)
- 2006-2009: Workpackage leader under the EU-project: "Risk Assessment of New and Emerging Systemic Iridoviruses in European Aquaculture and Environment" (SSPE-CT-2005-006459)

Five Selected Publications

Walde, C.S., Bang Jensen, B., Stormoen, M., Asche, F., Misund, B & Pettersen, J.M (2023) The economic impact of decreased mortality and increased growth ... farmed Atlantic salmon in Norway. Preventive Veterinary Medicine, Vol. 221, 106062, Doi: [10.1016/j.prevetmed.2023.106062](https://doi.org/10.1016/j.prevetmed.2023.106062)

Oliveira, V.H.S., Dean, K.R., Qviller, L., Kirkeby, C. & Bang Jensen, B. (2021) Factors associated with baseline mortality in Norwegian Atlantic salmon farming. Scientific Reports 11, 14702. Doi:[10.1038/s41598-021-93874-6](https://doi.org/10.1038/s41598-021-93874-6)

Bang Jensen, B., Dean, K.R., Huseby, R.B., Aldrin, M. & Qviller, L. (2021) Realtime case-study simulations of transmission of Pancreas Disease (PD) in Norwegian salmonid farming for disease control purposes. Epidemics, Vol.37, 100502, Doi: [10.1016/j.epidem.2021.100502](https://doi.org/10.1016/j.epidem.2021.100502)

Bang Jensen, B & Kristoffersen, A.B. (2015) Risk factors for outbreaks of infectious pancreatic necrosis (IPN) and associated mortality in Norwegian salmonid farming. Diseases of Aquatic Organisms, Vol. 114, pp. 177-188. Doi: [10.3354/dao02867](https://doi.org/10.3354/dao02867)

Oidtmann, B.C., Peeler, E.J., Lyngstad, T.M., Brun, E., Bang Jensen, B. & Stärk, K.D.C. (2013) Risk-based methods for fish and terrestrial animal disease surveillance. Preventive Veterinary Medicine, Vol. 112, pp.13-26. Doi: [10.1016/j.prevetmed.2013.07.008](https://doi.org/10.1016/j.prevetmed.2013.07.008)