Research outputs:

Effects of control measures on the spread of LA-MRSA among Danish pig herds between 2006 and 2015 – a simulation study
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Continuing occurrence of vancomycin resistance determinants in Danish pig farms 20 years after removing exposure to avoparcin
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Low accuracy of Bayesian latent class analysis for estimation of herd-level true prevalence under certain disease characteristics—An analysis using simulated data
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Outcomes From Using Mortality, Antimicrobial Consumption, and Vaccine Use Data for Monitoring Endemic Diseases in Danish Swine Herds
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Analysis of the dynamics of Staphylococcus aureus in two Danish dairy cattle herds
Research output: Contribution to conference › Poster – Annual report year: 2018 › Research › peer-review

Building the foundation for veterinary register-based epidemiology: A systematic approach to data quality assessment and validation
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Can we detect outbreaks at herd-level earlier when combining multiple data sources?
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2018 › Research › peer-review

Cost of LA-MRSA Eradication From Danish Pig Herds
Research output: Contribution to conference › Poster – Annual report year: 2018 › Research › peer-review

Diagnostiske undersøgelser af luftvejsinfektioner og antibiotikabehandling af kalve
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research

Drivers for Livestock-Associated Methicillin-Resistant Staphylococcus Aureus Spread Among Danish Pig Herds - A Simulation Study
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Evaluation of a multiplex immunoassay for bovine respiratory syncytial virus and bovine coronavirus antibodies in bulk tank milk against two indirect ELISAs using latent class analysis
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Latent class analysis of real time qPCR and bacteriological culturing for the diagnosis of Streptococcus agalactiae in cow composite milk samples
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Research output: Contribution to journal › Comment/debate – Annual report year: 2018 › Communication
Modeling the cost of eradicating livestock-associated methicillin-resistant staphylococcus aureus in countries with a high proportion of positive herds
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Persistence of antimicrobial resistance genes from sows to finisher pigs
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Risk factors for the occurrence of livestock-associated methicillin-resistant Staphylococcus aureus (LA-MRSA) in Danish pig herds
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Send more data: a systematic review of mathematical models of antimicrobial resistance
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

A Cow- and Herd-specific Bio-Economic Model of Intramammary Infections in Dairy Cows
Research output: Contribution to conference › Poster – Annual report year: 2017 › Research › peer-review

A mechanistic model for spread of livestock-associated methicillin-resistant Staphylococcus aureus (LA-MRSA) within a pig herd
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

A multivariate dynamic linear model for early warnings of diarrhea and pen fouling in slaughter pigs
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

A prospective observational longitudinal study of new-onset seizures and newly diagnosed epilepsy in dogs
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

A Robust Statistical Model to Predict the Future Value of the Milk Production of Dairy Cows Using Herd Recording Data
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

A simulation study to evaluate the performance of five statistical monitoring methods when applied to different time-series components in the context of control programs for endemic diseases
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Association between selected antimicrobial resistance genes and antimicrobial exposure in Danish pig farms
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Computational algorithm for lifetime exposure to antimicrobials in pigs using register data – the LEA algorithm
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Determinants for Treatments in Relation to Udder Health in Danish Dairy Cattle Farms
Research output: Contribution to conference › Poster – Annual report year: 2017 › Research
Determinants of antimicrobial treatment for udder health in Danish dairy cattle herds
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Epidemiological and economic consequences of purchasing livestock infected with Mycobacterium avium subsp. paratuberculosis
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Methods for estimating disease transmission rates: Evaluating the precision of Poisson regression and two novel methods
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Modelling spread of MRSA within a pig herd
Research output: Contribution to conference › Poster – Annual report year: 2017 › Research › peer-review

Mortality in Danish Swine herds: Spatio-temporal clusters and risk factors
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Network analysis of pig movements: Loyalty patterns and contact chains of different holding types in Denmark
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Opportunities and challenges when pooling milk samples using ELISA
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Reporting guidelines for diagnostic accuracy studies that use Bayesian latent class models (STARD-BLCM)
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Risk factors associated with spatio-temporal clusters of high mortality in Danish swine herds
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Risk factors associated with spatio-temporal clusters of high mortality in Danish swine herds
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Sampling pig farms at the abattoir in a cross-sectional study – Evaluation of a sampling method
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Simulating control of paratuberculosis in Danish dairy herds
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Spatial patterns of antimicrobial resistance genes in a cross-sectional sample of pig farms with indoor non-organic production of finishers
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

STARD-BLCM: Standards for the Reporting of Diagnostic accuracy studies that use Bayesian Latent Class Models
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Treatment Patterns for Mastitis in Danish Dairy Cattle Farms
Research output: Contribution to conference › Poster – Annual report year: 2017 › Research › peer-review

What tools are useful for monitoring endemic diseases? A simulation study based on different time-series components.
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review
Adaptive Test Schemes for Control of Paratuberculosis in Dairy Cows
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

A herd- and cow-specific decision support tool for control of mastitis
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

A register-based study of the antimicrobial usage in Danish veal calves and young bulls
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

A simulation model for the spread of LA-MRSA within a pig herd
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

A single-blinded phenobarbital-controlled trial of levetiracetam as mono-therapy in dogs with newly diagnosed epilepsy
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

A space-time analysis of Mycoplasma bovis: bulk tank milk antibody screening results from all Danish dairy herds in 2013-2014
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Changes in group treatment procedures of Danish finishers and its influence on the amount of administered antimicrobials
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Comparing algorithms performance for monitoring endemic disease: a simulation study based on the Danish PRRSV monitoring program
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review

Comparing algorithms performance for monitoring endemic disease: a simulation study based on the Danish PRRSV monitoring program
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

Control of African swine fever epidemics in industrialized swine populations
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Determining the optimal number of individual samples to pool for quantification of average herd levels of antimicrobial resistance genes in Danish pig herds using high-throughput qPCR
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Dynamic generalized linear models for monitoring endemic diseases: moving beyond univariate process monitoring control algorithms
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research

Early warning of diarrhea and pen fouling in growing pigs using sensor-based monitoring
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review

Improving productivity in growing pigs by combining specific and non-specific monitoring
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

Improving productivity in growing pigs by combining specific and non-specific monitoring
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review
Livestock-associated MRSA in the Danish cattle production
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

Microclimate temperature play a vital role for vector borne disease transmission in the cool scandinavian climate
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review

Microclimatic temperature play a vital role for vector borne disease transmission in the cool Scandinavian climates
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review

Modeling the growth dynamics of multiple Escherichia coli strains in the pig Intestine following intramuscular ampicillin treatment
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Models to Estimate Lactation Curves of Milk Yield and Somatic Cell Count in Dairy Cows at the Herd Level for the Use in Simulations and Predictive Models
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Monitoring endemic livestock diseases using laboratory diagnosticdata: A simulation study to evaluate the performance of univariate process monitoring control algorithms
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Multistrain models predict sequential multidrug treatment strategies to result in less antimicrobial resistance than combination treatment
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Optimized surveillance for paratuberculosis
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

Prevalence of paratuberculosis in the dairy goat and dairy sheep industries in Ontario, Canada
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Reporting the national antimicrobial consumption in Danish pigs: influence of assigned daily dosage values and population measurement
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Risk factors for antimicrobial use in Danish rosé veal calves. A register-based study
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

Simulating the epidemiological and economic effects of an African swine fever epidemic in Industrialized swine populations
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Simulating the Epidemiological and Economic Impact of Paratuberculosis Control Actions in Dairy Cattle
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Simulation of Spread of African Swine Fever, Including the Effects of Residues from Dead Animals
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Spatial patterns of Antimicrobial Resistance Genes in Danish Pig Farms
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review
Spatial analysis and temporal trends of porcine reproductive and respiratory syndrome in Denmark from 2007 to 2010 based on laboratory submission data
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Temperature as a predictor of fouling and diarrhea in Slaughter pigs
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review

The SimSpay-Student Perceptions of a Low-Cost Build-It-Yourself Model for Novice Training of Surgical Skills in Canine Ovariohysterectomy
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Weaner production with low antimicrobial usage: a descriptive study
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Within- and between-herd prevalence variation of Mycobacterium avium subsp. paratuberculosis infection among control programme herds in Denmark (2011-2013)
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Activities preceding a decline in the paratuberculosis test prevalence
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Association of MAP specific ELISA-responses and productive parameters in 314 Danish dairy farms
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Association of map specific ELISA-responses and productive parameters in 367 danish dairy farms
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Bulk tank milk ELISA for detection of antibodies to Mycobacterium avium subsp paratuberculosis: Correlation between repeated tests and within-herd antibody-prevalence
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Dynamic monitoring of weight data at the pen vs at the individual level
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Erratum: Apparent prevalence of beef carcasses contaminated with mycobacterium avium subsp. paratuberculosis sampled from danish slaughter cattle (Veterinary Medicine International)
Research output: Contribution to journal › Comment/debate – Annual report year: 2014 › Research › peer-review

Handheld mechanical nociceptive threshold testing in dairy cows - intra-individual variation, inter-observer agreement and variation over time
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

iCull - a herd-specific tool for financial evaluation of the impact of paratuberculosis
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review
Opportunities and challenges of using diagnostic databases for monitoring livestock diseases in Denmark
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Persistent spatial clusters of prescribed porcine antimicrobials
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Rapportering af danske svins antibiotikaforbrug - hvor stor betydning har beregningsmetoden?
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Regional disturbances in blood flow and metabolism in equine limb wound healing with formation of exuberant granulation tissue
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Risk factors and epidemiological characteristics of new neonatal porcine diarrhoea syndrome in four Danish herds
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Risk Factors for Survival in a University Hospital Population of Dogs with Epilepsy
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Spatiotemporal analysis of the Porcine Reproductive and Respiratory Syndrome epidemic in Denmark using laboratory submission data
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Spatiotemporal analysis of the Porcine Reproductive and Respiratory Syndrome (PRRS) epidemic in Denmark using laboratory submission data
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Spatiotemporal patterns, annual baseline and movement-related incidence of Streptococcus agalactiae infection in Danish dairy herds: 2000–2009
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Success factors in weaner production - with limited antimicrobials, high health and productivity. Case studies from Denmark
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Success factors in weaner production - with limited antimicrobials, high health and productivity. Case studies from Denmark
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Success factors in weaner production - with limited antimicrobials, high health and productivity. Case studies from Denmark
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

The effect of New Neonatal Porcine Diarrhoea Syndrome (NPPDS) on average daily gain and mortality in 4 Danish pig herds
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review
Evaluation of two herd-level diagnostic tests for Streptococcus agalactiae using a latent class approach
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Herd and sow-related risk factors for mortality in sows in group-housed systems
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Kalibrering af kontrollanternes vurdering af dyrevelfærd
Research output: Chapter in Book/Report/Conference proceeding › Report chapter – Annual report year: 2012 › Communication

Latent class analysis of the diagnostic characteristics of PCR and conventional bacteriological culture in diagnosing intramammary infections caused by Staphylococcus aureus in dairy cows at dry off
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Modeling of Mycobacterium avium subsp. paratuberculosis in farm bulk tank milk
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research

Molecular epidemiology of circulating highly pathogenic avian influenza (H5N1) virus in chickens, in Bangladesh, 2007-2010
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Occurrence of Mycobacterium avium subsp. Paratuberculosis in milk at dairy cattle farms: a systematic review and meta-analysis
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research

Occurrence of Mycobacterium avium subsp. paratuberculosis in milk at dairy cattle farms: a systematic review and meta-analysis
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Perspectives on epidemiology: higher standards in epidemiologic research on Mycobacterium avium subsp. Paratuberculosis
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research

Prevalence of respiratory signs and identification of risk factors for respiratory morbidity in Swedish Yorkshire terriers
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Quantifying the impact of lameness on welfare and profitability of finisher pigs using expert opinions
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Size of the iceberg: proportion of Mycobacterium avium subsp. paratuberculosis infected cattle with and without specific antibodies
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research

Size of the iceberg: proportion of Mycobacterium avium subsp. paratuberculosis infected cattle with and without specific antibodies
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research

Spatial differences in occurrence of paratuberculosis in Danish dairy herds and in control programme participation
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review
Temporal development of antibodies in Mycobacterium avium subsp. paratuberculosis infected cattle
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research

True prevalence estimation in an on-farm welfare assessment scheme - How to deal with misclassification
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research

Visual outcome after corneal transplantation for corneal perforation and iris prolapse in 37 horses: 1998-2010
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Milk recordings and meat inspection data as a diagnostic tool for identifying dairy herds with welfare problems
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2011 › Research › peer-review

A meta-analysis comparing the effect of PCV2 vaccines on average daily weight gain and mortality rate in pigs from weaning to slaughter
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Apparent Prevalence of Beef Carcasses Contaminated with Mycobacterium avium subsp. paratuberculosis Sampled from Danish Slaughter Cattle
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Associations between the time of conception and the shape of the lactation curve in early lactation in Norwegian dairy cattle
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Bayesian estimation of true between-herd and within-herd prevalence of Salmonella in Danish veal calves
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Effect of management practices on paratuberculosis prevalence in Danish dairy herds
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Epilepsy in the Petit Basset Griffon Vendeen: Prevalence, Semiology, and Clinical Phenotype
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Estimating test characteristics of somatic cell count to detect Staphylococcus aureus-infected dairy goats using latent class analysis
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Evaluation of sensitivity and specificity of RBT, c-ELISA and fluorescence polarisation assay for diagnosis of brucellosis in cattle using latent class analysis
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Intra- and inter-observer agreement when using a descriptive classification scale for clinical assessment of faecal consistency in growing pigs
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Latent class evaluation of a milk test, a urine test, and the fat-to-protein percentage ratio in milk to diagnose ketosis in dairy cows
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review
Prevalence of paratuberculosis infection in dairy cattle in Northern Italy
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Register data as an identification tool for dairy herds with potential welfare problems
Research output: Contribution to conference › Poster – Annual report year: 2010 › Research

Spatio-temporal magnitude and direction of highly pathogenic avian influenza (H5N1) outbreaks in Bangladesh
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Stochastic models to simulate paratuberculosis in dairy herds
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Structured approach to design of diagnostic test evaluation studies for chronic progressive infections in animals
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

The welfare and economic consequences of lameness in finisher pigs: a pilot study using expert opinions
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research

Using latent class analysis to estimate the test characteristics of the γ-interferon test, the single intradermal comparative tuberculin test and a multiplex immunoassay under Irish conditions
Research output: Contribution to journal › Conference article – Annual report year: 2011 › Research › peer-review

Validering samt kvalitets- og fremtidssikring af velfærdsregistreringer i svinebesætninger
Research output: Contribution to conference › Poster – Annual report year: 2011 › Research

Register data as an identification tool for dairy herds with potential welfare problems
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2010 › Research › peer-review

Fald i forekomsten af paratuberkulose
Research output: Other contribution › Net publication - Internet publication – Annual report year: 2010 › Communication

Lavere forekomst af paratuberkulose i ikke-mælkeleverende besætninger
Research output: Other contribution › Net publication - Internet publication – Annual report year: 2010 › Communication

Association between bulk-tank milk Salmonella antibody level and high calf mortality in Danish dairy herds
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Data from the Danish veterinary cancer registry on the occurrence and distribution of neoplasms in dogs in Denmark
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Evaluation of histopathology, real-time PCR and virus isolation for diagnosis of infectious salmon anaemia in Norwegian salmon using latent class analysis
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Evaluation of sensitivity and specificity of routine meat inspection of Danish slaughter pigs using Latent Class Analysis
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Herd management science: I. basic concepts
Research output: Book/Report › Compendium/lecture notes – Annual report year: 2010 › Education
Preventing involuntary culling of sows by optimal use of clinical information: the weak sow index
Research output: Chapter in Book/Report/Conference proceeding  Article in proceedings – Annual report year: 2009  Research  peer-review

Summary receiver operating characteristics (SROC) and hierarchical SROC models for analysis of diagnostic test evaluations of antibody ELISAs for paratuberculosis
Research output: Contribution to journal  Journal article – Annual report year: 2009  Research  peer-review

The Weak Sow Index: A new method for optimal use of clinical information in sow herds
Research output: Contribution to conference  Poster – Annual report year: 2009  Research

Validation of data collected in the Danish Veterinary Cancer Registry
Research output: Contribution to journal  Journal article – Annual report year: 2009  Research  peer-review

Ante mortem diagnosis of paratuberculosis: A review of accuracies of ELISA, interferon-γ assay and faecal culture techniques
Research output: Contribution to journal  Journal article – Annual report year: 2008  Research  peer-review

Assessing the prevalence of paratuberculosis in Europe
Research output: Contribution to journal  Journal article – Annual report year: 2008  Communication

Association between the presence of antibodies to Mycobacterium avium subspecies paratuberculosis and somatic cell count
Research output: Contribution to journal  Journal article – Annual report year: 2008  Research  peer-review

 Colostrum and milk as risk factors for infection with Mycobacterium avium subspecies paratuberculosis in dairy cattle
Research output: Contribution to journal  Journal article – Annual report year: 2008  Research  peer-review

Evaluation of test-strategies for estimating probability of low prevalence of paratuberculosis in Danish dairy herds
Research output: Contribution to journal  Journal article – Annual report year: 2008  Research  peer-review

Herd management science: II. advanced topics
Research output: Book/Report  Compendium/lecture notes – Annual report year: 2008  Education

Herd management science: I. basic concepts
Research output: Book/Report  Compendium/lecture notes – Annual report year: 2008  Education

Paratuberkulose i Europa
Research output: Contribution to journal  Journal article – Annual report year: 2008  Communication

The association between disease and profitability in individual finishing boars at a test station
Research output: Contribution to journal  Journal article – Annual report year: 2008  Research  peer-review

The distribution of the pathogenic nematode Nematodirus battus in lambs is zero-inflated
Research output: Contribution to journal  Journal article – Annual report year: 2008  Research  peer-review

The use of critical reviews and meta-analysis of diagnostic test evaluations - illustrated by diagnostic tests for paratuberculosis
Research output: Chapter in Book/Report/Conference proceeding  Article in proceedings – Annual report year: 2008  Research

A review of diagnostic accuracies of ELISA and faecal culture in cattle
Research output: Chapter in Book/Report/Conference proceeding  Conference abstract in proceedings – Annual report year: 2007  Research
Assessing the convergence of Markov Chain Monte Carlo methods: An example from evaluation of diagnostic tests in absence of a gold standard
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Assessment of management-related risk factors for paratuberculosis in Danish dairy herds using Bayesian mixture models
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Bayesian mixture models for within-herd prevalence estimates of bovine paratuberculosis based on a continuous ELISA response
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Evaluation of three serological tests for brucellosis in naturally infected cattle using latent class analysis
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Evaluation of three serological tests for diagnosis of Maedi-Visna virus infection using latent class analysis
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Geographic risk factors for inter-river dispersal of Gyrodactylus salaris in fjord systems in Norway
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Modeling the causes of leg disorders in finisher herds
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research

Review of prevalences of paratuberculosis in farmed animals in Europe
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2007 › Research

Serum C-reactive protein concentration as an indicator of remission status in dogs with multicentric lymphoma
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

The effect of lameness treatments and treatments for other health disorders on the weight gain and feed conversion in boars at a Danish test station
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Age-specific characteristics of ELISA and fecal culture for purpose-specific testing for paratuberculosis
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Evaluation of three 3ABC ELISAs for foot-and-mouth disease non-structural antibodies using latent class analysis
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Guidelines for improved disease recording and recommendations for use of data
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research

The Danish Veterinary Cancer Registry: an update
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research

The effect of correlation structures on the properties of diagnostic tests for paratuberculosis
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research
The Gamma-Poisson model as a statistical method to determine if micro-organisms are randomly distributed in a food matrix
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

A framework for decision support related to infectious diseases in slaughter pig fattening units
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

A stochastical model of chick and grower survival in smallholder poultry production
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2005 › Research › peer-review

Continuous-data diagnostic tests for paratuberculosis as a multistage disease
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Diagnosing diagnostic tests: evaluating the assumptions underlying the estimation of sensitivity and specificity in the absence of a gold standard
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Spatial distribution of Escherichia coli O157-positive farms in Scotland
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

The establishment of a Danish veterinary cancer registry: a feasibility study
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2005 › Research

Data analysis
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2004 › Education

Data management
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2004 › Education

Endemic infectious diseases in the cattle population: eradication, vaccination, control, or do nothing?
Research output: Contribution to conference › Paper – Annual report year: 2004 › Research

Evaluating diagnostic tests
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2004 › Education

Evaluation of an indirect serum ELISA and a bacteriological faecal culture test for diagnosis of Salmonella serotype Dublin in cattle using latent class models
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

Experimental studies
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2004 › Education

Introduction
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2004 › Education

Introduction to veterinary epidemiology
Research output: Book/Report › Book – Annual report year: 2004 › Education
Measures of association and effect  
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2004 › Education

Measures of disease frequency  
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2004 › Education

Observational studies  
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2004 › Education

Sample size and sampling methods  
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2004 › Education

Spatial statistical methods for estimating regions with increased risk of BVDV infection in Denmark  
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2004 › Research

Appendix A: Biostatistics  
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2003 › Communication

Comparison of results from a classic and a latent class method for test validation of a Salmonella Dublin ELISA  
Research output: Contribution to conference › Paper – Annual report year: 2003 › Research

Estimation of sero-prevalence of paratuberculosis with mixture models including covariates  
Research output: Contribution to conference › Paper – Annual report year: 2003 › Research

Evaluating diagnostics tests  
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2003 › Communication

Exploring disease definitions of Salmonella Dublin in latent class analysis  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2003 › Research

Prøveudtagning - hvilke dyregrupper og hvor mange?  
Research output: Contribution to conference › Paper – Annual report year: 2003 › Research

Data analysis: chapter 13  
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2002 › Education

Data management  
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2002 › Education

Diagnosing diagnostic test: evaluating the precision of different approaches for estimation of sensitivity and specificity  
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research

Diagnostic testing with multiple classifications  
Research output: Contribution to conference › Paper – Annual report year: 2002 › Research

Estimation of farm specific parameters in a longitudinal model for litter size with variance components and random dropout  
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review
Modeling eating patterns of growing pigs using dynamic linear models
Research output: Book/Report › Book – Annual report year: 1998 › Research

The dynamic aspect of the reproductive performance in the sow herd
Research output: Book/Report › Book – Annual report year: 1998 › Education

Beslutningsstøttesystemer til håndtering af beslutninger med forskellige tidshorisonter
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research

Illustration af sekventielt beslutningsproblem i soholdet
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research

Model based decision support in sow herds with emphasis on linking decisions with different time horizons
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research

The parameter input file for the multi-level hierarchic Markov Process
Research output: Book/Report › Book – Annual report year: 1997 › Education

Projects:

Disease databases
Project: Research

Veterinary epidemiology with emphasis on the association between spatial proximity, contact structures, antibiotic consumption and antibiotic resistance
Project: PhD

Undersøgelse af sammenhænge mellem sundhed, velfærd og antibiotikaforbrug hos danske husdyr
Project: PhD

Development of a herd- and cow-specific decision support tool for control of mastitis
Project: PhD

Simulation modeling of LA-MRSA dispersal and control between swine herds
Project: PhD

The spread and control of LA-MRSA within Danish pig herds
Project: PhD

Novel methods for applied spatio-temporal risk assessment models of endemic and emerging vector borne diseases
Project: PhD

Veterinary Epidemiology - biological models of vector borne diseases
Project: PhD

Veterinary Epidemiology with focus on monitoring livestock disease using diagnostic databases
Project: PhD
Dynamics and mechanisms of antimicrobial resistance in animal husbandry
Project: PhD

iCull
Project: Research