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: Research - peer-review › Journal article – Annual report year: 2019

- 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: Research - peer-review › Journal article – Annual report year: 2019

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

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

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

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

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

- Diagnostiske undersøgelser af luftvejsinfektioner og antibiotikabehandling af kalve
  Research output: Research › Annual report year: 2018

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

- 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: Research - peer-review › Journal article – Annual report year: 2018

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

  Research output: Communication › Comment/debate – Annual report year: 2018

- Modeling the cost of eradicating livestock-associated methicillin-resistant staphylococcus aureus in countries with a high proportion of positive herds
  Research output: Research - peer-review › Journal article – Annual report year: 2018
Persistence of antimicrobial resistance genes from sows to finisher pigs
Research output: Research - peer-review › Journal article – Annual report year: 2018

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

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

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

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

A cross-sectional study of oral antibacterial treatment patterns in relation to specific diarrhoeal pathogens in weaner pigs
Research output: Research - peer-review › Journal article – Annual report year: 2017

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

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

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

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

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: Research - peer-review › Journal article – Annual report year: 2017

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

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

Determinants for Treatments in Relation to Udder Health in Danish Dairy Cattle Farms
Research output: Research › Poster – Annual report year: 2017

Determinants of antimicrobial treatment for udder health in Danish dairy cattle herds
Research output: Research - peer-review › Journal article – Annual report year: 2017

Epidemiological and economic consequences of purchasing livestock infected with Mycobacterium avium subsp. paratuberculosis
Research output: Research - peer-review › Journal article – Annual report year: 2017
Methods for estimating disease transmission rates: Evaluating the precision of Poisson regression and two novel methods
Research output: Research - peer-review › Journal article – Annual report year: 2017

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

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

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

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

Reporting guidelines for diagnostic accuracy studies that use Bayesian latent class models (STARD-BLCM)
Research output: Research - peer-review › Comment/debate – Annual report year: 2017

Risk factors associated with spatio-temporal clusters of high mortality in Danish swine herds
Research output: Research - peer-review › Poster – Annual report year: 2017

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

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

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

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

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

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

What tools are useful for monitoring endemic diseases? A simulation study based on different time-series components.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Adaptive Test Schemes for Control of Paratuberculosis in Dairy Cows
Research output: Research - peer-review › Journal article – Annual report year: 2016

A herd- and cow-specific decision support tool for control of mastitis
Research output: Research - peer-review › Poster – Annual report year: 2016
A register-based study of the antimicrobial usage in Danish veal calves and young bulls
Research output: Research - peer-review › Journal article – Annual report year: 2016

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

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

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

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

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

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

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: Research - peer-review › Journal article – Annual report year: 2016

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

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

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

Improving productivity in growing pigs by combining specific and non-specific monitoring
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Livestock-associated MRSA in the Danish cattle production
Research output: Research - peer-review › Poster – Annual report year: 2016

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

Microclimatic temperature play a vital role for vector borne disease transmission in the cool Scandinavian climates
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016
Modeling the growth dynamics of multiple Escherichia coli strains in the pig intestine following intramuscular ampicillin treatment
Research output: Research - peer-review › Journal article – Annual report year: 2016

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: Research - peer-review › Journal article – Annual report year: 2016

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

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

Optimised surveillance for paratuberculosis
Research output: Research - peer-review › Poster – Annual report year: 2016

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

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

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

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

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

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

Spatial patterns of Antimicrobial Resistance Genes in Danish Pig Farms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

The impact of microclimatic temperature on vector-borne disease transmission in Denmark
Research output: Research - peer-review › Poster – Annual report year: 2016

The role of cattle movement in determining the incidence risk of Mycoplasma bovis in Danish dairy herds between 2013-2014
Research output: Research - peer-review › Poster – Annual report year: 2016

Towards control of LA-MRSA - Simulation modeling of LA-MRSA spread between pig farms
Research output: Research - peer-review › Poster – Annual report year: 2016
What to look for when monitoring animal diseases?
Research output: Research - peer-review › Poster – Annual report year: 2016

A Bayesian herd-level diagnostic test evaluation - Mycoplasma bovis
Research output: Research - peer-review › Poster – Annual report year: 2015

A comparison of 2 screening questionnaires for clinical assessment of canine cognitive dysfunction
Research output: Research - peer-review › Journal article – Annual report year: 2015

A multi-dimensional dynamic linear model for monitoring slaughter pig production
Research output: Research - peer-review › Paper – Annual report year: 2016

A space-time analysis of Mycoplasma bovis in Denmark
Research output: Research - peer-review › Poster – Annual report year: 2015

Big Data fra jord til bord
Research output: Communication › Report – Annual report year: 2015

Changing medication method influences total amount of administered antimicrobials
Research output: Research - peer-review › Poster – Annual report year: 2015

Cognitive Function, Progression of Age-related Behavioral Changes, Biomarkers, and Survival in Dogs More Than 8 Years Old
Research output: Research - peer-review › Journal article – Annual report year: 2015

Comparison of individual and pooled samples for quantification of antimicrobial resistance genes in swine feces by high-throughput qPCR
Research output: Research - peer-review › Poster – Annual report year: 2015

Comparison of individual and pooled samples for quantification of antimicrobial resistance genes in swine feces by high-throughput qPCR
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

iCull – A bioeconomic model for herd management and disease control
Research output: Research › Poster – Annual report year: 2015

Improving the Effect and Efficiency of FMD Control by Enlarging Protection or Surveillance Zones
Research output: Research - peer-review › Journal article – Annual report year: 2015

Latent class analysis of bulk tank milk PCR and ELISA testing for herd level diagnosis of Mycoplasma bovis
Research output: Research - peer-review › Journal article – Annual report year: 2015

Mean effective sensitivity for Mycobacterium avium subsp paratuberculosis infection in cattle herds
Research output: Research - peer-review › Journal article – Annual report year: 2015

Monitoring PRRS based on laboratory submissions: a simulation study to evaluate detection algorithms performance
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Monitoring PRRS based on laboratory submissions: A simulation study to evaluate detection algorithms performance.
Research output: Research - peer-review › Poster – Annual report year: 2015
Monitoring PRRS sero-prevalence in Danish breeding herds: Evaluation of algorithms performance
Research output: Research - peer-review » Poster – Annual report year: 2015

Persistent Spatial Clusters of Prescribed Antimicrobials among Danish Pig Farms - A Register-Based Study
Research output: Research - peer-review » Journal article – Annual report year: 2015

Pharmacodynamic modelling of in vitro activity of tetracycline against a representative, naturally occurring population of porcine Escherichia coli
Research output: Research - peer-review » Journal article – Annual report year: 2015

Pharmacokinetic-Pharmacodynamic Model To Evaluate Intramuscular Tetracycline Treatment Protocols To Prevent Antimicrobial Resistance in Pigs
Research output: Research - peer-review » Journal article – Annual report year: 2015

Planning a cross-sectional study of antimicrobial resistance genes in Danish pig farms
Research output: Research - peer-review » Poster – Annual report year: 2015

Planning a cross-sectional study of antimicrobial resistance genes in Danish pig farms
Research output: Research - peer-review » Poster – Annual report year: 2015

Pre-test habituation improves the reliability of a handheld test of mechanical nociceptive threshold in dairy cows
Research output: Research - peer-review » Journal article – Annual report year: 2015

Prevalence, risk factors and spatial analysis of infections with liver flukes in Danish cattle herds
Research output: Research - peer-review » Conference abstract for conference – Annual report year: 2015

Prevalence, risk factors and spatial analysis of liver fluke infections in Danish cattle herds
Research output: Research - peer-review » Journal article – Annual report year: 2015

Preventing foot and mouth disease - how are the costs divided between the public authorities and the pig and cattle industries in Denmark?
Research output: Research - peer-review » Conference abstract in proceedings – Annual report year: 2016

Simulating Spread of Antimicrobial Resistant Bacteria in the Pig Pen: try our online tool
Research output: Research - peer-review » Poster – Annual report year: 2015

Simulating Spread of Antimicrobial Resistant Bacteria in the Pig Pen: try our online tool
Research output: Research - peer-review » Poster – Annual report year: 2015

Spatial analysis and temporal trends of porcine reproductive and respiratory syndrome in Denmark from 2007 to 2010 based on laboratory submission data
Research output: Research - peer-review » Journal article – Annual report year: 2015

Temperature as a predictor of fouling and diarrhea in Slaughter pigs
Research output: Research - peer-review » Conference abstract in proceedings – Annual report year: 2015

Temperature as a predictor of fouling and diarrhea in Slaughter pigs
Research output: Research - peer-review » Conference abstract in proceedings – Annual report year: 2016

The SimSpay-Student Perceptions of a Low-Cost Build-It-Yourself Model for Novice Training of Surgical Skills in Canine Ovariectomy
Research output: Research - peer-review » Journal article – Annual report year: 2015
Weaner production with low antimicrobial usage: a descriptive study
Research output: Research - peer-review › Journal article – Annual report year: 2015

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

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

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

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

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

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

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

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

ICull - a herd-specific tool for financial evaluation of the impact of paratuberculosis
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Opportunities and challenges of using diagnostic databases for monitoring livestock diseases in Denmark
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Opportunities and challenges of using diagnostic databases for monitoring livestock diseases in Denmark
Research output: Research - peer-review › Poster – Annual report year: 2014

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

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

Regional disturbances in blood flow and metabolism in equine limb wound healing with formation of exuberant granulation tissue
Research output: Research - peer-review › Journal article – Annual report year: 2014
Risk factors and epidemiological characteristics of new neonatal porcine diarrhoea syndrome in four Danish herds
Research output: Research - peer-review › Journal article – Annual report year: 2014

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

Spatiotemporal analysis of the Porcine Reproductive and Respiratory Syndrome epidemic in Denmark using laboratory submission data
Research output: Research › Poster – Annual report year: 2014

Spatiotemporal analysis of the Porcine Reproductive and Respiratory Syndrome (PRRS) epidemic in Denmark using laboratory submission data
Research output: Research › Conference abstract for conference – Annual report year: 2014

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

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

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

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

The effect of New Neonatal Porcine Diarrhoea Syndrome (NNPDS) on average daily gain and mortality in 4 Danish pig herds
Research output: Research - peer-review › Journal article – Annual report year: 2014

The effect of wind shielding and pen position on the average daily weight gain and feed conversion rate of grower/finisher pigs
Research output: Research - peer-review › Journal article – Annual report year: 2014

Årsrapport 2012 - Videnscenter for Dyrevelfærd
Research output: Communication › Book – Annual report year: 2013

An Observational Study with Long-Term Follow-Up of Canine Cognitive Dysfunction: Clinical Characteristics, Survival, and Risk Factors
Research output: Research - peer-review › Journal article – Annual report year: 2013

Bayesian estimation of sensitivity and specificity of Coxiella burnetii antibody ELISA tests in bovine blood and milk
Research output: Research - peer-review › Journal article – Annual report year: 2013

Dynamics of specific anti-Mycobacterium avium subsp. paratuberculosis antibody response through age
Research output: Research - peer-review › Journal article – Annual report year: 2013

Effect of Pre-sampling Procedures on Real-time PCR used for diagnosis of intramammary infections with Staphylococcus aureus in dairy cows at routine milk recordings
Research output: Research - peer-review › Poster – Annual report year: 2013
Effect of pre-sampling procedures on real-time PCR used for diagnosis of intramammary infections with Staphylococcus aureus in dairy cows at routine milk recordings
Research output: Research › Conference abstract for conference – Annual report year: 2013

Effect of presampling procedures on real-time PCR used for diagnosis of intramammary infections with Staphylococcus aureus in dairy cows at routine milk recordings
Research output: Research › peer-review › Journal article – Annual report year: 2013

Estimation of test characteristics of real-time PCR and bacterial culture for diagnosis of subclinical intramammary infections with Streptococcus agalactiae in Danish dairy cattle in 2012 using latent class analysis
Research output: Research › peer-review › Journal article – Annual report year: 2013

Evaluation of tests for porcine endocarditis by latent class analysis
Research output: Research › peer-review › Journal article – Annual report year: 2013

Inter-observer agreement, diagnostic sensitivity and specificity of animal-based indicators of young lamb welfare
Research output: Research › peer-review › Journal article – Annual report year: 2013

Latent class analysis of histology and bacteriology in spontaneous porcine endocarditis.
Research output: Communication › Conference abstract for conference – Annual report year: 2013

Modeling the effect of direct and indirect contamination of on-farm bulk tank milk with Mycobacterium avium subsp. paratuberculosis
Research output: Research › peer-review › Journal article – Annual report year: 2013

Risk factors for subclinical intramammary infection in dairy goats in two longitudinal field studies evaluated by Bayesian logistic regression
Research output: Research › peer-review › Journal article – Annual report year: 2013

Serological diagnosis of avian influenza in poultry: is the haemagglutination inhibition test really the ‘gold standard’?
Research output: Research › peer-review › Journal article – Annual report year: 2013

Survival and clinical outcome of dogs with ischaemic stroke
Research output: Research › peer-review › Journal article – Annual report year: 2013

SvSXP: a Strongylus vulgaris antigen with potential for prepatent diagnosis
Research output: Research › peer-review › Journal article – Annual report year: 2013

Temporal changes and risk factors for foot-pad dermatitis in Danish broilers
Research output: Research › peer-review › Journal article – Annual report year: 2013

Research output: Research › peer-review › Journal article – Annual report year: 2013

Databaser - Potentialer for dyrevelfærdsvurdering
Research output: Research › Poster – Annual report year: 2012

A Longitudinal Study of Survival in Belgian Shepherds with Genetic Epilepsy
Research output: Research › peer-review › Journal article – Annual report year: 2012
Annual incidence, prevalence and transmission characteristics of Streptococcus agalactiae in Danish dairy herds
Research output: Research - peer-review › Journal article – Annual report year: 2012

Anxiety in veterinary surgical students: a quantitative study
Research output: Research - peer-review › Journal article – Annual report year: 2012

Databases in Denmark: opportunities and constraints for welfare assessments
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2012

Ecological determinants of highly pathogenic avian influenza (H5N1) outbreaks in Bangladesh
Research output: Research - peer-review › Journal article – Annual report year: 2012

Effect of days in milk and milk yield on testing positive in milk antibody ELISA to Mycobacterium avium subsp. paratuberculosis in dairy cattle
Research output: Research - peer-review › Journal article – Annual report year: 2012

Estimation the diagnostic performance of PathProof Mastitis PCR and bacterial culturing for the detection of Streptococcus agalactiae in milk of Danish dairy cows using latent class analysis
Research output: Research › Conference abstract in proceedings – Annual report year: 2012

Evaluation of lameness prevalence in grazing and non-grazing herds Danish dairy herds - apparent vs. true prevalence
Research output: Research - peer-review › Poster – Annual report year: 2012

Evaluation of the antibacterial residue surveillance programme in Danish pigs using Bayesian methods
Research output: Research - peer-review › Journal article – Annual report year: 2012

Evaluation of two herd-level diagnostic tests for Streptococcus agalactiae using a latent class approach
Research output: Research › Poster – Annual report year: 2012

Evaluation of two herd-level diagnostic tests for Streptococcus agalactiae using a latent class approach
Research output: Research › Journal article – Annual report year: 2012

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

Kalibrering af kontrollanternes vurdering af dyrevelfærd
Research output: Communication › Report chapter – Annual report year: 2012

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: Research - peer-review › Journal article – Annual report year: 2012

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

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

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

Perspectives on epidemiology: higher standards in epidemiologic research on Mycobacterium avium subsp. paratuberculosis
Research output: Research › Article in proceedings – Annual report year: 2012

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

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

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

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

Spatial differences in occurrence of paratuberculosis in Danish dairy herds and in control programme participation
Research output: Research - peer-review › Journal article – Annual report year: 2012

Temporal development of antibodies in Mycobacterium avium subsp. paratuberculosis infected cattle
Research output: Research › Article in proceedings – Annual report year: 2012

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

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

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

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: Research - peer-review › Journal article – Annual report year: 2011

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

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

Bayesian estimation of true between-herd and within-herd prevalence of Salmonella in Danish veal calves
Research output: Research - peer-review › Journal article – Annual report year: 2011
Effect of management practices on paratuberculosis prevalence in Danish dairy herds
Research output: Research - peer-review › Journal article – Annual report year: 2011

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

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

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: Research - peer-review › Journal article – Annual report year: 2011

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

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: Research - peer-review › Journal article – Annual report year: 2011

Prevalence of paratuberculosis infection in dairy cattle in Northern Italy
Research output: Research - peer-review › Journal article – Annual report year: 2011

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

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

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

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

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

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: Research - peer-review › Conference article – Annual report year: 2011

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

Register data as an identification tool for dairy herds with potential welfare problems
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2010
Fald i forekomsten af paratuberkulose
Research output: Communication › Net publication - Internet publication – Annual report year: 2010

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

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

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

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

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

Herd management science: I. basic concepts
Research output: Education › Compendium/lecture notes – Annual report year: 2010

Herd management science: II. advanced topics
Research output: Education › Compendium/lecture notes – Annual report year: 2010

Langt færre køer med paratuberkulose
Research output: Communication › Journal article – Annual report year: 2010

Management practices reducing the test-prevalence of paratuberculosis in Danish dairy herds
Research output: Research › Article in proceedings – Annual report year: 2010

Prevalence of Mycobacterium avium subsp. paratuberculosis infection in adult Danish non-dairy cattle sampled at slaughter
Research output: Research - peer-review › Journal article – Annual report year: 2010

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

The interrelationships between clinical signs and their effect on involuntary culling among pregnant sows in group-housing systems
Research output: Research - peer-review › Journal article – Annual report year: 2010

An object-oriented Bayesian network modeling the causes of leg disorders in finisher herds
Research output: Research - peer-review › Journal article – Annual report year: 2009

A review of prevalences of paratuberculosis in farmed animals in Europe
Research output: Research - peer-review › Journal article – Annual report year: 2009

Association between Salmonella and high calf mortality in Danish dairy herds
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009
Association between *Salmonella* Dublin antibodies in bulk tank milk and calf mortality in Danish dairy herds
Research output: Research › Poster – Annual report year: 2009

**Causes of and predisposing risk factors for leg disorders in growing-finishing pigs**
Research output: Research - peer-review › Journal article – Annual report year: 2009

Comparing the epidemiological and economic effects of control strategies against classical swine fever in Denmark
Research output: Research - peer-review › Journal article – Annual report year: 2009

Guidelines for establishing the prevalence of Paratuberculosis
Research output: Research › Poster – Annual report year: 2009

**Herd management science I: basic concepts**
Research output: Education › Book – Annual report year: 2009

**Herd management science II: advanced topics**
Research output: Education › Book – Annual report year: 2009

Pododermatitis in Danish broiler farms 2002 - 2008
Research output: Research › Conference abstract for conference – Annual report year: 2009

Preventing involuntary culling of sows by optimal use of clinical information: the weak sow index
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

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

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

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

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

**Assessing the prevalence of paratuberculosis in Europe**
Research output: Communication › Journal article – Annual report year: 2008

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

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

Evaluation of test-strategies for estimating probability of low prevalence of paratuberculosis in Danish dairy herds
Research output: Research - peer-review › Journal article – Annual report year: 2008
Herd management science: II. advanced topics
Research output: Education › Compendium/lecture notes – Annual report year: 2008

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

Paratuberkulose i Europa
Research output: Communication › Journal article – Annual report year: 2008

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

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

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

A review of diagnostic accuracies of ELISA and faecal culture in cattle
Research output: Research › Conference abstract in proceedings – Annual report year: 2007

Assessing the convergence of Markov Chain Monte Carlo methods: An example from evaluation of diagnostic tests in absence of a gold standard
Research output: Research - peer-review › Journal article – Annual report year: 2007

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

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

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

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

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

Modeling the causes of leg disorders in finisher herds
Research output: Research › Article in proceedings – Annual report year: 2007

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

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

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

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

Guidelines for improved disease recording and recommendations for use of data
Research output: Research › Article in proceedings – Annual report year: 2006

The Danish Veterinary Cancer Registry: an update
Research output: Research › Article in proceedings – Annual report year: 2006

The effect of correlation structures on the properties of diagnostic tests for paratuberculosis
Research output: Research › Conference abstract for conference – Annual report year: 2006

The Gamma-Poisson model as a statistical method to determine if micro-organisms are randomly distributed in a food matrix
Research output: Research - peer-review › Journal article – Annual report year: 2006

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

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

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

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

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

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

Data analysis
Research output: Education › Book chapter – Annual report year: 2004

Data management
Research output: Education › Book chapter – Annual report year: 2004

Endemic infectious diseases in the cattle population: eradication, vaccination, control, or do nothing?
Research output: Research › Paper – Annual report year: 2004
Evaluating diagnostic tests
Research output: Education › Book chapter – Annual report year: 2004

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: Research › peer-review › Journal article – Annual report year: 2004

Experimental studies
Research output: Education › Book chapter – Annual report year: 2004

Introduction
Research output: Education › Book chapter – Annual report year: 2004

Introduction to veterinary epidemiology
Research output: Education › Book – Annual report year: 2004

Measures of association and effect
Research output: Education › Book chapter – Annual report year: 2004

Measures of disease frequency
Research output: Education › Book chapter – Annual report year: 2004

Observational studies
Research output: Education › Book chapter – Annual report year: 2004

Sample size and sampling methods
Research output: Education › Book chapter – Annual report year: 2004

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

Appendix A: Biostatistics
Research output: Communication › Book chapter – Annual report year: 2003

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

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

Evaluating diagnostics tests
Research output: Communication › Book chapter – Annual report year: 2003

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

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

Data analysis: chapter 13
Research output: Education › Book chapter – Annual report year: 2002
Data management
Research output: Education › Book chapter – Annual report year: 2002

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

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

Estimation of farm specific parameters in a longitudinal model for litter size with variance components and random dropout
Research output: Research - peer-review › Journal article – Annual report year: 2002

Evaluating tests used in veterinary medicine
Research output: Education › Book chapter – Annual report year: 2002

Experimental studies
Research output: Education › Book chapter – Annual report year: 2002

Introduction to veterinary epidemiology: chapter 1
Research output: Education › Book chapter – Annual report year: 2002

Measures of association and effect: chapter 7
Research output: Education › Book chapter – Annual report year: 2002

Measures of disease frequency: chapter 6
Research output: Education › Book chapter – Annual report year: 2002

Observational studies: chapter 4
Research output: Communication › Book chapter – Annual report year: 2002

Optimisation of the validity of ELISA and faecal culture tests for paratuberculosis: selection of population or correction by population characteristics?
Research output: Research › Paper – Annual report year: 2002

Sample size and sampling methods: chapter 8
Research output: Education › Book chapter – Annual report year: 2002

Stikprøverstørrelser og indsamlingsmetoder
Research output: Research › Paper – Annual report year: 2002

Veterinary epidemiology: from hypothesis to conclusion
Research output: Education › Book – Annual report year: 2002

Tradeoff's in modeling epidemic disease in slaughter pig production
Research output: Research › Article in proceedings – Annual report year: 2001

A framework for decision support related to an infectious disease in slaughter pig production
Research output: Research › Paper – Annual report year: 2000
Elements of decision support systems in pig production
Research output: Research › Ph.D. thesis – Annual report year: 2000

Estimation of farm specific parameters in a longitudinal model for litter size with variance components and random dropout
Research output: Research › Article in proceedings – Annual report year: 2000

Evaluation of SIR epidemic models in slaughter pig units using Monte Carlo simulation
Research output: Research › Article in proceedings – Annual report year: 2000

Linking decisions on multiple time scales
Research output: Research › Paper – Annual report year: 1999

Modeling eating patterns of growing pigs using dynamic linear models
Research output: Research › Book – Annual report year: 1998

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

Beslutningsstøttesystemer til håndtering af beslutninger med forskellige tidshorisonter
Research output: Research › Article in proceedings – Annual report year: 1997

Illustration af sekventielt beslutningsproblem i soholdet
Research output: Research › Article in proceedings – Annual report year: 1997

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

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

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