Research outputs:

Effects of control measures on the spread of LA-MRSA among Danish pig herds between 2006 and 2015 – a simulation study
Schulz, J., Boklund, A., Toft, N. & Halasa, T., 1 Dec 2019, In : Scientific Reports. 9, 1, 9 p., 691.
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 Dansih 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
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
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

Livestock-associated MRSA in the Danish cattle production
Research output: Contribution to conference › Poster – 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

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 diagnostic data: 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

Optimised 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
Hisham Beshara Halasa, T., Bøtner, A., Mortensen, S., Christiansen, H., Toft, N. & Boklund, A., 2016, In : Veterinary Microbiology. 193, p. 7-16
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

The impact of microclimatic temperature on vector-borne disease transmission in Denmark
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review
The role of cattle movement in determining the incidence risk of Mycoplasma bovis in Danish dairy herds between 2013-2014
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

Towards control of LA-MRSA - Simulation modeling of LA-MRSA spread between pig farms
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

What to look for when monitoring animal diseases?
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

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

A comparison of 2 screening questionnaires for clinical assessment of canine cognitive dysfunction
Schütt, T., Toft, N. & Berendt, M., 2015, In : Journal of Veterinary Behavior. 10, 6, p. 452-458
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

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

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

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

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

Cognitive Function, Progression of Age-related Behavioral Changes, Biomarkers, and Survival In Dogs More Than 8 Years Old
Schütt, T., Berendt, M. & Toft, N., 2015, In : Journal of Veterinary Internal Medicine. 29, 6, p. 1569-1577
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

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

Comparison of individual and pooled samples for quantification of antimicrobial resistance genes in swine feces by high-throughput qPCR
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review
iCull – A bioeconomic model for herd management and disease control
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research

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

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

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

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

Monitoring PRRS based on laboratory submissions: A simulation study to evaluate detection algorithms performance.
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review

Monitoring PRRS sero-prevalence in Danish breeding herds: Evaluation of algorithms performance
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review

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

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

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

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

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

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

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

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

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

Simulating Spread of Antimicrobial Resistant Bacteria in the Pig Pen: try our online tool
Research output: Contribution to conference › Poster – Annual report year: 2015 › 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: 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

Within- and between-herd prevalence variation of Mycobacterium avium subsp. paratuberculosis infection among control programme herds in Denmark (2011-2013)

Activities preceding a decline in the paratuberculosis test prevalence

Association of MAP specific ELISA-responses and productive parameters in 314 Danish dairy farms

Association of map specific ELISA-responses and productive parameters in 367 danish dairy farms

Bulk tank milk ELISA for detection of antibodies to Mycobacterium avium subsp paratuberculosis: Correlation between repeated tests and within-herd antibody-prevalence

Dynamic monitoring of weight data at the pen vs at the individual level

Erratum: Apparent prevalence of beef carcasses contaminated with mycobacterium avium subsp. paratuberculosis sampled from danish slaughter cattle (Veterinary Medicine International)

Handheld mechanical nociceptive threshold testing in dairy cows - intra-individual variation, inter-observer agreement and variation over time

iCull - a herd-specific tool for financial evaluation of the impact of paratuberculosis
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

Opportunities and challenges of using diagnostic databases for monitoring livestock diseases in Denmark
Research output: Contribution to conference › Poster – 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 › Poster – Annual report year: 2014 › Research

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
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 (NNPDS) 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

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

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

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

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

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

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: Contribution to conference › Poster – Annual report year: 2013 › Research › peer-review

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: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research

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: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

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

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

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

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

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

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

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

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

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

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

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

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
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
Otten, N. D., Thomsen, P. T., Sørensen, J. T., Toft, N. & Houe, H., 2011.
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
Otten, N. D., Thomsen, P. T., Sørensen, J. T., Toft, N. & Houe, H., 20 Apr 2010, Databases in Veterinary Medicine - Validation, harmonisation and application. p. 46 1 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2010 › Research › peer-review

Fald i forekomsten af paratuberkulose
Nielsen, S. S. & Toft, N., 14 Jan 2010
Research output: Other contribution › Net publication - Internet publication – Annual report year: 2010 › Communication

Lavere forekomst af paratuberkulose i ikke-mælkeleverende besætninger
Nielsen, S. S., Okura, H. & Toft, N., 11 Jan 2010
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
Kristensen, A. R., Jørgensen, E. & Toft, N., 2010, Department of Large Animal Sciences, University of Copenhagen. 146 p.
Research output: Book/Report › Compendium/lecture notes – Annual report year: 2010 › Education

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

Langt færre køer med paratuberkulose
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Communication
Herd management science I: basic concepts
Research output: Book/Report › Book – Annual report year: 2009 › Education

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

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

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
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Serum C-reactive protein concentration as an indicator of remission status in dogs with multicentric lymphoma

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

Age-specific characteristics of ELISA and fecal culture for purpose-specific testing for paratuberculosis

Evaluation of three 3ABC ELISAs for foot-and-mouth disease non-structural antibodies using latent class analysis

Guidelines for improved disease recording and recommendations for use of data

The Danish Veterinary Cancer Registry: an update

The effect of correlation structures on the properties of diagnostic tests for paratuberculosis
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

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

Data management
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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
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Projects:

Disease databases
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01/01/2017 → 31/12/2019
Project: Research
Veterinary epidemiology with emphasis on the association between spatial proximity, contact structures, antibiotic consumption and antibiotic resistance

Birkegård, A. C., Toft, N., Hisham Beshara Halasa, T., Boklund, A., Dewulf, J. & Nielsen, S. S.
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01/12/2013 → 20/12/2017
Project: PhD

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

Technical University of Denmark
15/12/2011 → 17/11/2016
Project: PhD

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

Samfinansieret - Andet
01/07/2015 → 30/09/2018
Project: PhD

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

Schulz, J., Hisham Beshara Halasa, T., Boklund, A., Toft, N., Jensen, V. F., Baekbo, P. & Selhorst, T.
Offentlig finansiering
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Project: PhD

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

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01/04/2015 → 20/06/2018
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Novel methods for applied spatio-temporal risk assessment models of endemic and emerging vector borne diseases

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Technical University of Denmark
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Project: PhD

Veterinary Epidemiology - biological models of vector borne diseases

Offentlig finansiering
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Veterinary Epidemiology with focus on monitoring livestock disease using diagnostic databases

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