Publications:

**Semiquantitative Decision Tools for FMD Emergency Vaccination Informed by Field Observations and Simulated Outbreak Data**  
Publication: Research - peer-review › Journal article – Annual report year: 2017

**A Comparison of Dynamics in Two Models for the Spread of a Vector-Borne Disease**  
Publication: Research - peer-review › Journal article – Annual report year: 2016

**Vector-borne disease surveillance in livestock populations: a critical review of literature recommendations and implemented surveillance (BTV-8) in five European countries**  
Publication: Research - peer-review › Journal article – Annual report year: 2016

**Challenges for bovine viral diarrhea virus antibody detection in bulk milk by antibody enzyme-linked immunosorbent assays due to changes in milk production levels**  
Publication: Research - peer-review › Journal article – Annual report year: 2015

**Weaner production with low antimicrobial usage: a descriptive study**  
Publication: Research - peer-review › Journal article – Annual report year: 2015

**A Comparison between Two Simulation Models for Spread of Foot-and-Mouth Disease**  
Publication: Research - peer-review › Journal article – Annual report year: 2014

**Optimal vaccination strategies against vector-borne diseases**  
Publication: Research - peer-review › Journal article – Annual report year: 2014

**Quantitative assessment of the risk of introduction of bovine viral diarrhea virus in Danish dairy herds**  
Publication: Research - peer-review › Journal article – Annual report year: 2014

**Stochastic simulation modeling to determine time to detect Bovine Viral Diarrhea antibodies in bulk tank milk**  
Publication: Research - peer-review › Journal article – Annual report year: 2014

**Comparing control strategies against foot-and-mouth disease: Will vaccination be cost-effective in Denmark?**  
Publication: Research - peer-review › Journal article – Annual report year: 2013

**Concentrating antibodies towards BVDV from milk**  
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

**Decisions on control of foot-and-mouth disease informed using model predictions**  
Publication: Research - peer-review › Journal article – Annual report year: 2013

**Decisions on foot-and-mouth disease control informed by model prediction**  
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

**Experimental Airborne Transmission of Porcine Postweaning Multisystemic Wasting Syndrome**  
Publication: Research - peer-review › Journal article – Annual report year: 2013
Hvad mælken gemmer
Publication: Research › Journal article – Annual report year: 2013

Optimal vaccination scenarios against vector-borne diseases
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

PMWS Development in Pigs from Affected Farms in Spain and Denmark
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Simulated effects of changes in herd sizes and densities with regard to fmd outbreaks in Denmark
Publication: Research - peer-review › Poster – Annual report year: 2013

Comparison of different control strategies on FMD in Denmark
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Consequence of changes in herd size and densities for the contingency planning
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Infectious risk factors for individual postweaning multisystemic wasting syndrome (PMWS) development in pigs from affected farms in Spain and Denmark
Publication: Research - peer-review › Journal article – Annual report year: 2012

Influence of livestock markets on the spread of FMD
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Ingen vil betale for forsikringen
Publication: Communication › Newspaper article – Annual report year: 2012

Input parameters in the models
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2012

Meta-analysis on the efficacy of foot-and-mouth disease emergency vaccination
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Modelling spread of Bluetongue and other vector borne diseases in Denmark and evaluation of intervention strategies
Publication: Research › Ph.D. thesis – Annual report year: 2013

Model's comparison
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Optimizing the control of foot-and-mouth disease in Denmark by simulation: Meta-analysis on the efficacy of foot-and-mouth disease emergency vaccination
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2012

Optimizing the control of foot-and-mouth disease in Denmark by simulation: Comparison of foot-and-mouth disease simulation models
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2012

Optimizing the control of foot-and-mouth disease in Denmark by simulation: Comparison of different control strategies on FMD in Denmark
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2012
Optimizing the control of foot-and-mouth disease in Denmark by simulation: Influence of livestock markets on spread of FMD
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2012

Optimizing the control of foot-and-mouth disease in Denmark by simulation: Consequences of changes in herd sizes and densities for the contingency planning
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2012

Optimizing the control of foot-and-mouth disease in Denmark by simulation – introduction
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Optimizing the control of foot-and-mouth disease in Denmark by simulation – the project outline
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Predicting the structural development in Danish livestock and how it affects control strategies against FMD
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Simple decision tools to help optimize the control strategy 2 weeks into a Danish FMD epidemic
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Simulated Effects of Introducing Emergency Vaccination or Depopulation During FMD Outbreaks in Denmark
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

Simulating spread of Bluetongue Virus by flying vectors between hosts on pasture
Publication: Research - peer-review › Journal article – Annual report year: 2012

Simulation of the influence of Danish cattle markets on a Foot-and-Mouth epidemic
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

Simuleringsstudier af konsekvenser af mund- og klovesyge i Danmark
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

How does increasing immunity change spread kernel parameters in subsequent outbreaks? – A simulation study on Bluetongue Virus
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

Meta-analysis on the efficacy of foot-and-mouth disease emergency vaccination
Publication: Research - peer-review › Journal article – Annual report year: 2011

Temperatur som en faktor i sundhedsovervågningen
Publication: Communication › Journal article – Annual report year: 2011

Antimicrobial use in Danish pig herds with and without postweaning multisystemic wasting syndrome
Publication: Research - peer-review › Journal article – Annual report year: 2010

A study on the applicability of implantable microchip transponders for body temperature measurements in pigs
Publication: Research - peer-review › Journal article – Annual report year: 2010

Geo-locating cattle using EU databases
Publication: Research - peer-review › Poster – Annual report year: 2010
Increasing the resolution of Bluetongue spatial modelling - from cattle farms to cattle in fields
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Infectious risk factors for postweaning multisystemic wasting syndrome (PMWS) development
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

Simulating the spread of Bluetongue virus – Focused on the effects of spatial distribution of cattle
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Svinepestovervågningen i Danmark - kan vi gøre det bedre?
Publication: Communication › Journal article – Annual report year: 2010

Tidlig varsling af sygdom med microchip transponder
Publication: Communication › Journal article – Annual report year: 2010

Association between land cover and Culicoides (Diptera: Ceratopogonidae) breeding sites on four Danish cattle farms
Publication: Research - peer-review › Journal article – Annual report year: 2009

Implantable microchip transponders for body temperature measurements in pigs
Publication: Research › Conference abstract for conference – Annual report year: 2009

Induction of porcine post-weaning multisystemic wasting syndrome (PMWS) in pigs from PMWS unaffected herds following mingling with pigs from PMWS-affected herds
Publication: Research - peer-review › Journal article – Annual report year: 2009

Infection, excretion and seroconversion dynamics of porcine circovirus type 2 (PCV2) in pigs from post-weaning multisystemic wasting syndrome (PMWS) affected farms in Spain and Denmark
Publication: Research - peer-review › Journal article – Annual report year: 2009

Inter-laboratory and inter-assay comparison on two real-time PCR techniques for quantification of PCV2 nucleic acid extracted from field samples
Publication: Research - peer-review › Journal article – Annual report year: 2009

Comparison of two quantitative PCR techniques for porcine circovirus Type 2 (PCV2) nucleic acid in field samples
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2008

Computermodeller bremser mund- og klovesyge
Publication: Communication › Journal article – Annual report year: 2008

Dynamics of porcine circovirus type 2 infection and excretion in pigs from postweaning multisystemic wasting syndrome affected farms from Spain and Denmark
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2008

Hepatitis E. virus is prevalent in the Danish pig population
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2008

PMWS smitter via luften
Publication: Communication › Journal article – Annual report year: 2008
Postweaning multisystematic wasting syndrome in Danish pig herds: productivity, clinical signs and pathology
Publication: Research - peer-review › Journal article – Annual report year: 2008

Post-weaning multisystemic wasting syndrome (PMWS) in Danish pig herds: productivity, clinical symptoms, and pathology
Publication: Research - peer-review › Journal article – Annual report year: 2008

Airborne transmission of PMWS between pig units located at close range
Publication: Research › Conference abstract for conference – Annual report year: 2007

Dynamics in PMWS positive herds
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Pathology and diagnosis of PMWS in a Danish case – control study
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Pathology and Diagnosis of PMWS in a Danish Case-Control Study
Publication: Research › Poster – Annual report year: 2007

PCV2 dynamics in PMWS positive Herds
Publication: Research - peer-review › Paper – Annual report year: 2007

Seological testing for Porcine circovirus type 2 in Danish pig herds with and without PMWS
Publication: Research › Conference abstract for conference – Annual report year: 2007

A Danish case-control study on risk factors for PMWS – bio security in the herd
Publication: Research › Article in proceedings – Annual report year: 2006

A Danish case-control study on risk factors for PMWS-biosecurity in the herd
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2006

Antimicrobial use in pig herds with and without Post-weaning Multisystemic Wasting Syndrome
Publication: Research › Conference abstract for conference – Annual report year: 2006

Association between PMWS and PRRSV
Publication: Research › Article in proceedings – Annual report year: 2006

New swine influenza A H1N2 re-assortment found in Danish swine
Publication: Research › Conference abstract for conference – Annual report year: 2006

PMWS in Denmark: Epidemiology, diagnosis and control
Publication: Research › Book chapter – Annual report year: 2006

PMWS - Laboratory Diagnosis on Herd and Pig Level In a Danish Case-Control Study
Publication: Research › Article in proceedings – Annual report year: 2006
PMWS-laboratory diagnosis on herd and pig level in a Danish case-study
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2006

Sammenhæng mellem besætningsforhold og PMWS sygdomsudbrud – foreløbige resultater
Publication: Research › Journal article – Annual report year: 2006

The effects of PMWS on productivity and clinical expression on Danish herds from a case-control study
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2006

Transmission of PMWS between pen mates
Publication: Research › Conference abstract for conference – Annual report year: 2006

Revideret PMWS diagnostik
Publication: Research › Journal article – Annual report year: 2005

Sammenhæng mellem besætningsforhold og PMWS sygdomsudbrud – foreløbige resultater
Publication: Research › Journal article – Annual report year: 2005

Use of a novel serum ELISA method and the tonsil-carrier state for evaluation of Mycoplasma hyosynoviae distributions in pig herds with or without clinical arthritis
Publication: Research - peer-review › Journal article – Annual report year: 2005

Infectious and rearing-system related risk factors for chronic pleuritis in slaughter pigs
Publication: Research - peer-review › Journal article – Annual report year: 2002

Estimation of sensitivity, specificity and predictive values of two serologic tests for the detection of antibodies against Actinobacillus pleuropneumoniae serotype 2 in the absence of a reference test (gold standard)
Publication: Research - peer-review › Journal article – Annual report year: 2001

Maximum likelihood and Gibbs sampling estimation of sensitivity and specificity of a blocking ELISA and two immune peroxidase assays for measuring antibodies against PRRS-virus
Publication: Research › Conference abstract for conference – Annual report year: 2000

Estimation of the sensitivity and specificity of two diagnostic test for the detection of antibodies against Actinobacillus pleuropneumoniae serotype 2 in pigs by maximum-likelihood-estimation and Gibbs-sampling
Publication: Research - peer-review › Article in proceedings – Annual report year: 1997

Evaluation of a polyclonal blocking ELISA and a complement fixation test detecting antibodies to Actinobacillus pleuropneumoniae serotype 2 in pig serum
Publication: Research - peer-review › Article in proceedings – Annual report year: 1997

Projects:

Evaluation of current and future strategies for risk-based early warning and detection of known and unknown vector-borne threats
Project

Modelling spread of Bluetongue and other vector borne diseases in Denmark and evakuation of intervention strategies
Project: PhD
Optimering af sygdomsovervågning i kvægbruget
Project

Development, enhancement and complementation of animal-sparing, foot-an-mouth disease vaccine-based control strategies for free and endemic regions
Project

Dyrevelfærd i husdyrbesætninger: Et samspil mellem husdyrbruger og myndigheder
Project

Styrkelse af det videnmæssige beredskab overfor svinepest
Project

Optimizing the control of foot-and-mouth disease in Denmark by simulation
Project

Activities:

Antimicrobial use in pig herds with and without Post-weaning Multisystemic Wasting Syndrome
Activity: Talks and presentations › Conference presentations