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Publications:

A new method for estimating transmission rates of mastitis-causing pathogens
Publication: Research - peer-review › Poster – Annual report year: 2018

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

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

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

Danske metoder kan hjælpe med at bremse alt fra ebola til fugleinfluenza
Publication: Communication › Journal article – Annual report year: 2017

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

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

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

Forskere designer fleksibel strategi mod kvægsygdom
Publication: Communication › Newspaper article – Annual report year: 2017

Kvægbesætninger er sårbare for indkøb af dyr med paratuberkulose
Publication: Communication › Journal article – Annual report year: 2017

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

Microclimatic temperatures increase the potential for vector-borne disease transmission in the Scandinavian climate
Publication: Research - peer-review › Journal article – Annual report year: 2017
Pas på med indkøb af dyr med paratuberkulose
Publication: Communication › Journal article – Annual report year: 2017

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

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

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

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

Communicating spatial risk of tick-borne infections - Creating a ScandTick Innovation website based on surveillance data
Publication: Research - peer-review › Poster – Annual report year: 2016

Communicating spatial risk of tick-borne infections: Creating a ScandTick Innovation website based on surveillance data
Publication: Research - peer-review › Poster – Annual report year: 2016

Communicating spatial variation in tick-borne pathogen prevalence through a website based on national surveillance data
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Daily Evolution of the Insect Biomass Spectrum in an Agricultural Landscape Accessed with Lidar
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2016

Dairy farmers’ compliance with culling recommendation in paratuberculosis programme
Publication: Research - peer-review › Poster – Annual report year: 2016

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

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

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

Observations of movement dynamics of flying insects using high resolution lidar
Publication: Research - peer-review › Journal article – Annual report year: 2016
Optimised surveillance for paratuberculosis
Publication: Research - peer-review › Poster – Annual report year: 2016

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

Spatial risk of tick borne infections – creating a ScandTick Innovation website for both the public and the health sector based on surveillance data
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

The impact of microclimatic temperature on vector-borne disease transmission in Denmark
Publication: Research - peer-review › Poster – 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

Vectorborne zoonoses
Publication: Commissioned › Report chapter – Annual report year: 2016

Battling Bluetongue and Schmallenberg virus: Local scale behavior of transmitting vectors
Publication: Research › Sound/Visual production (digital) – Annual report year: 2015

Danish holsteins favor bull offspring: Biased Milk Production as a Function of Fetal Sex, and Calving Difficulty
Publication: Research - peer-review › Journal article – Annual report year: 2015

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

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

Ny forskning optimerer overvågning af paratuberkulose
Publication: Communication › Journal article – Annual report year: 2015

Secret mission of microscopic drones revealed
Publication: Communication › Journal article – Annual report year: 2014

Mikroskopiske droners hemmelige mission afsløret
Publication: Communication › Journal article – Annual report year: 2014

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

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

Culicoides (Avaritia) gormostaevae Mirzaeva, 1984 (Diptera: Ceratopogonidae) a possible vector species of the Obsoletus group new to the European fauna
Publication: Research - peer-review › Journal article – Annual report year: 2014
iCull - a herd-specific tool for financial evaluation of the impact of paratuberculosis
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Rapid Spread of Schmallenberg Virus-infected Biting Midges (Culicoides spp.) across Denmark in 2012
Publication: Research - peer-review › Journal article – Annual report year: 2014

Sibirsk mitte opdaget i Småland
Publication: Communication › Journal article – Annual report year: 2014

Occurrence of Schmallenberg virus in Danish biting midges (Culicoides spp.)
Publication: Research - peer-review › Poster – Annual report year: 2013

Quantifying Dispersal of European Culicoides (Diptera: Ceratopogonidae) Vectors between Farms Using a Novel Mark-Release-Recapture Technique
Publication: Research - peer-review › Journal article – Annual report year: 2013

Spatial abundance and clustering of Culicoides (Diptera: Ceratopogonidae) on a local scale
Publication: Research - peer-review › Journal article – Annual report year: 2013

Spatio-temporal abundance and dispersal of Culicoides
Publication: Research › Ph.D. thesis – Annual report year: 2013

Spatio-temporal abundance of Culicoides on a local scale
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Spatio-temporal optimization of sampling for bluetongue vectors (Culicoides) near grazing livestock
Publication: Research - peer-review › Journal article – Annual report year: 2013

The range of attraction for light traps catching Culicoides biting midges
Publication: Research - peer-review › Poster – Annual report year: 2013

The range of attraction for light traps catching Culicoides biting midges
Publication: Research - peer-review › Poster – Annual report year: 2013

The range of attraction for light traps catching Culicoides biting midges (Diptera: Ceratopogonidae)
Publication: Research - peer-review › Journal article – Annual report year: 2013

Culicoids as Vectors of Schmallenberg Virus
Publication: Research - peer-review › Letter – Annual report year: 2012

Emerging Schmallenberg and Bluetongue virus in Europe – what should we expect next?
Publication: Research - peer-review › Paper – Annual report year: 2012

Evidence for Culicoides obsoletus group as vector for Schmallenberg virus in Denmark
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

Schmallenberg virus fundet i mitter i Danmark
Publication: Research - peer-review › Journal article – Annual report year: 2012

The impact of climate environment and control on Culicoides borne Schmallenberg virus
Publication: Research - peer-review › Paper – Annual report year: 2012
R0-modeling as a tool for early warning and surveillance of exotic vector borne diseases in Denmark
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

Spatial models for the distribution of Culicoides on a local scale
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

An atlas of climatic and environmental determinants of present and future veterinary and zoonotic diseases in the Nordic area
Publication: Research - peer-review › Poster – Annual report year: 2010

Mitternes gådefulde liv
Publication: Communication › Journal article – Annual report year: 2010

Modeling the density of bluetongue vectors in a field
Publication: Research - peer-review › Poster – Annual report year: 2010

Modelling the seasonal variation in the basic reproduction ratio for bluetongue – a model incorporating Culicoides biology to quantify the vaccination cover needed to prevent outbreaks in the Nordic countries
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Simple spatial distribution models for vector density in a field: Bloodsucking creatures from dusk to dawn
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

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

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

Hvor kommer mitterne fra?
Publication: Research - peer-review › Journal article – Annual report year: 2009

Kvægisygdom kontrolleres ved studier af insektadfærd
Publication: Communication › Journal article – Annual report year: 2009

Mitternes hemmeligheder
Publication: Research - peer-review › Journal article – Annual report year: 2009

Projects:

Effective Monitoring and Control of Mastitis
Project

iCull
Project

Vector-borne threats in northern Europe
Project
Short range modelling of Culicoides dispersal
Project: PhD

Activities:

Simulating control of paratuberculosis in Danish dairy herds
Activity: Talks and presentations › Conference presentations

Dynamics of intra-mammary infections causing pathogens: A herd-, cow- and strain-specific model.
Activity: Talks and presentations › Conference presentations

ETALEE 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

EVALUATION OF ADAPTIVE TEST STRATEGIES FOR CONTROL AND ERADICATION OF PARATUBERCULOSIS WITHIN DAIRY CATTLE HERDS
Activity: Talks and presentations › Conference presentations

SVEPM
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

14th international symposium on veterinary epidemiology and economics
Activity: Talks and presentations › Conference presentations

Simulation modelling of paratuberculosis within herds
Activity: Talks and presentations › Conference presentations

NEAT
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Laser Radar Conference
Activity: Attending an event › Participating in or organising a conference

Course in technical biomedicine
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

SVEPM Annual Meeting 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Introduction to experimental biomedicine
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

8th Annual Meeting of Epizone
Activity: Attending an event › Participating in or organising a conference

One Health Summer School 2014
Activity: Talks and presentations › Conference presentations

iCULL – A herd-specific tool for financial evaluation of the impact of paratuberculosis
Activity: Talks and presentations › Conference presentations
PhD Cup 2014  
Activity: Talks and presentations › Conference presentations

*Vectorborne Threats in northern Europe*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

*PLoS One (Journal)*  
Activity: Research › Peer review of manuscripts

*Informations Medieskole*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

*Bayesian spatial modelling of disease vector data on Danish farmland*  
Activity: Talks and presentations › Conference presentations

*EDENext Annual Meeting*  
Activity: Talks and presentations › Conference presentations

*Parasites & Vectors (Journal)*  
Activity: Research › Peer review of manuscripts

*Epizone Satellite Symposium: Schmallenberg virus*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

*Mitternes verden - epidemiologiske studier*  
Activity: Talks and presentations › Conference presentations

*Mathematical Models for Infectious Disease Dynamics*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

*Geostatistics course for PhD students*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

*NOSOVE Course: Economics of animal health and surveillance*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

*4th Annual Meeting EPIZONE*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

*MedReoNet 3rd Annual Meeting Lisbon*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

*MedReoNet Taxonomy Meeting Strasbourg 2009*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

*MedReoNet 2nd Annual Meeting Giulianova*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

*EU-BTNET Workshop 2008*  
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Press clippings:

Computermodel skal overvåge kvægsygdom
Press / Media

Dansk laser-radar skal redder bier og andre små truede dyr
Press / Media

Harddisken 2014: Om laserradar og malariamyg
Press / Media

Irriterende insekter er fascinerende: Insekter, sygdomsudbrud, forskning og teknologi
Press / Media

Press / Media

Researcher discovered Siberian midge on Sweden trip
Press / Media

Hjernekassen på P1
Press / Media

PhD Cup 2014
Press / Media

Feltarbejde med mitter 2011: Spatielle adfærdsmønstre hos mitter, Stevns 2011
Press / Media

Har Klippinge fået besøg fra rummet?
Press / Media