Research outputs:

Screening for multiple tick-borne pathogens in Ixodes ricinus ticks from birds in Denmark during spring and autumn migration seasons
Research output: Research - peer-review › Journal article – Annual report year: 2019

Emerging vector borne infections in Europe - prevention, early detection, control and the impact of wildlife
Research output: Research - peer-review › Paper – Annual report year: 2018

Infection of pigs with African swine fever virus via ingestion of stable flies (Stomoxys calcitrans)
Research output: Research - peer-review › Journal article – Annual report year: 2018

Microclimatic temperatures at Danish cattle farms, 2000–2016: quantifying the temporal and spatial variation in the transmission potential of Schmallenberg virus
Research output: Research - peer-review › Journal article – Annual report year: 2018

Migrating birds and carnivores introduce ticks and tick borne pathogens to Denmark – but are they also a public health risk?
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Monthly variation in the probability of presence of adult Culicoides populations in nine European countries and the implications for targeted surveillance
Research output: Research - peer-review › Journal article – Annual report year: 2018

Nye blodsugere krydser grænse
Research output: Communication › Journal article – Annual report year: 2018

Predicting and mapping human risk of exposure to Ixodes ricinus nymphs in northern Europe using climatic and environmental data
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Prevalence of tick-borne viruses in Ixodes ricinus assessed by high-throughput real-time PCR
Research output: Research - peer-review › Journal article – Annual report year: 2018

Relative abundance and geographical variation of Culex pipiens and Culex torrentium (Diptera: Culicidae) in CO2 -baited traps in Denmark
Research output: Research - peer-review › Journal article – Annual report year: 2018

Spatial and temporal variation in the abundance of Culicoides biting midges (Diptera: Ceratopogonidae) in nine European countries
Research output: Research - peer-review › Journal article – Annual report year: 2018

Survival and localization of African swine fever virus in stable flies (Stomoxys calcitrans) after feeding on viremic blood using a membrane feeder
Research output: Research - peer-review › Journal article – Annual report year: 2018

Tag ikke engflåter med hjem fra ferien
Research output: Communication › Journal article – Annual report year: 2018
The annual, temporal and spatial pattern of Setaria tundra outbreaks in Finnish reindeer: a mechanistic transmission model approach
Research output: Research - peer-review › Journal article – Annual report year: 2018

Vectorborne zoonoses
Research output: Commissioned › Report chapter – Annual report year: 2018

Big data - modelling of midges in Europa using machine learning techniques and satellite imagery
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Engflåter fundet i Danmark
Research output: Communication › Journal article – Annual report year: 2017

Identification of Dermacentor reticulatus Ticks Carrying Rickettsia raoultii on Migrating Jackal, Denmark
Research output: Research - peer-review › Journal article – Annual report year: 2017

Infektion med TBE-virus i Danmark 2013-2016
Research output: Communication › Journal article – Annual report year: 2017

Microclimatic temperatures increase the potential for vector-borne disease transmission in the Scandinavian climate
Research output: Research - peer-review › Journal article – Annual report year: 2017

Microclimatic temperatures of Danish cattle farms: a better understanding of the variation in transmission potential of Schmallenberg virus
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Modelling risk of tick exposure in southern Scandinavia using machine learning techniques, satellite imagery, and human population density maps
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Modelling tick abundance using machine learning techniques and satellite imagery
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Predicting tick abundance in Southern Scandinavia using machine learning techniques and satellite imagery – a part of the ScandTick Innovation project
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Risk based surveillance of vector born infections - the daily transmission potential of Schmallenberg in Denmark 2013 to 2016
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Transmission differentials for multiple pathogens as inferred from their prevalence in larva, nymph and sult of Ixodes ricinus (Acari: Ixodidae)
Research output: Research - peer-review › Journal article – Annual report year: 2017

Vectorborne zoonoses
Research output: Commissioned › Report chapter – Annual report year: 2017

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

Communicating spatial risk of tick-borne infections: Creating a ScandTick Innovation website based on surveillance data
Research output: Research - peer-review › Poster – Annual report year: 2016
Communicating spatial variation in tick-borne pathogen prevalence through a website based on national surveillance data
Research output: Research › peer-review › Conference abstract in proceedings – Annual report year: 2016

Comparative Risk Analysis of Two Culicoides-Borne Diseases in Horses: Equine Encephalosis More Likely to Enter France than African Horse Sickness
Research output: Research › peer-review › Journal article – 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

Predicting spatial distribution of pathogens transmitted by ticks in northern Europe
Research output: Research › peer-review › Conference abstract in proceedings – Annual report year: 2016

Predicting spatial distribution of pathogens transmitted by ticks in Northern Europe
Research output: Research › peer-review › Sound/Visual production (digital) – Annual report year: 2016

Predicting spatial prevalence of tick pathogens in Northern Europe using satellite imagery
Research output: Research › peer-review › Poster – Annual report year: 2016

Spatial Distribution and Abundance of Culicoides Imicola and Obsoletus Group in Europe
Research output: Research › peer-review › Conference abstract for conference – Annual report year: 2017

Spatial distribution and abundance of culicoides imicola and obsoles group in Europe
Research output: Research › peer-review › Conference abstract in proceedings – 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
Research output: Research › peer-review › Conference abstract for conference – Annual report year: 2016

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

The potential for vector borne infections in the Nordic area now and in the future
Research output: Research › Sound/Visual production (digital) – Annual report year: 2016

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

Veterinærinstituttet går i byen
Research output: Research › Journal article – Annual report year: 2016

West Nile fever: En virussygdom, der spreder sig i Europa
Research output: Research › Journal article – Annual report year: 2016

Battling Bluetongue and Schmallenberg virus: Local scale behavior of transmitting vectors
Research output: Research › Sound/Visual production (digital) – 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

Risk of entry and transmission for two Culicoides - borne diseases in horse: comparison of African horse sickness and Equine encephalitis for France
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

The impact of a decade of research on vector borne diseases
Research output: Research - peer-review › Book – Annual report year: 2015

The joint risk score for vector-borne diseases used for early detection
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Establishment of the West Nile virus vector, Culex modestus, in a residential area in Denmark
Research output: Research - peer-review › Journal article – Annual report year: 2014

High-throughput screening of tick-borne pathogens in Europe
Research output: Research - peer-review › Journal article – Annual report year: 2014

Multiple detection of pathogens in ticks: development of a high throughput real time PCR chip used as a new epidemiologic investigative tool
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2014

Nye aktive redskaber til passiv overvågning
Research output: Research - peer-review › Journal article – Annual report year: 2014

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

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

Dynamic changes in antibody levels as an early warning of Salmonella Dublin in bovine dairy herds
Research output: Research - peer-review › Journal article – Annual report year: 2013

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

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

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

Spatial abundance and clustering of Culicoides (Diptera: Ceratopogonidae) on a local scale
Research output: Research - peer-review › Journal article – Annual report year: 2013
The impact of climate environment and control on Culicoides borne Schmallenberg virus
Research output: Research - peer-review › Paper – Annual report year: 2012

Vektorers betydning for smitsomme sygdomme - kan vi vente andre sygdomme end bluetongue og schmallenberg i nær fremtid?
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2012

A mathematical model for optimising prophylactic deworming strategies of companion pets moving from Echinococcus multilocularis endemic areas to countries free of infection
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2011

Årsrapport for Center for vildtsundhed 2011
Research output: Research - peer-review › Report – Annual report year: 2011

Disease-modeling as a tool for surveillance, foresight and control of exotic vector borne diseases in the Nordic countries
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2011

Dynvect's overview of the Culicoides surveillance systems in the EU and distribution maps of key species
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2011

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

Nordic climate change: data for modeling vector borne diseases
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2011

R0-modeling as a tool for early warning and surveillance of exotic vector borne diseases in Denmark
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

R0-modeling as a tool for early warning and surveillance of exotic vector borne diseases in Denmark
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

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

TBE - ny differentialdiagnose i smådyrsklinikken?
Research output: Research › Journal article – Annual report year: 2012

Wildlife as reservoirs for vector borne diseases in a warmer Scandinavian climate
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2011

A mathematical model for optimising prophylactic treatment strategies of companion pets moving from Echinococcus multilocularis endemic areas to countries free of infection
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2010

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

Et nyt flavivirus er dukket op i baghaven
Research output: Research - peer-review › Journal article – Annual report year: 2010
Geo-locating cattle using EU databases
Research output: Research - peer-review › Poster – Annual report year: 2010

Increasing the resolution of Bluetongue spatial modelling - from cattle farms to cattle in fields
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Modeling the density of bluetongue vectors in a field
Research output: 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
Research output: 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
Research output: 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
Research output: 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
Research output: Research - peer-review › Journal article – Annual report year: 2009

First identification of tick-borne encephalitis in Denmark outside of Bornholm, August 2009
Research output: Research - peer-review › Journal article – Annual report year: 2009

Future animal health in Denmark
Research output: Research › Sound/Visual production (digital) – Annual report year: 2009

Geographical cluster analyses of human salmonella cases in 25 European countries over a 6 year period using two complementary spatial methods
Research output: Research - peer-review › Poster – Annual report year: 2009

Geographical pattern of Q fever in Danish dairy cattle farms
Research output: Research › Poster – Annual report year: 2009

Klimaændringer, zoonoser og dyresundhed: Hvad er på vej til Danmark, hvad gør vi ved det og hvor er dyrlægerne?
Research output: Research › Sound/Visual production (digital) – Annual report year: 2009

Spatial patterns and trends in the Salmonella atlas
Research output: Research › Sound/Visual production (digital) – Annual report year: 2009

Spatial scan statistics to assess sampling strategy of antimicrobial resistance monitoring programme
Research output: Research - peer-review › Journal article – Annual report year: 2009

Status and ongoing research on vector borne diseases in Denmark: Developing a pragmatic adaptive strategy to climate change
Research output: Communication › Sound/Visual production (digital) – Annual report year: 2009

TBE påvist i Nordsjælland
Research output: Research › Journal article – Annual report year: 2009
Vectors of importance to animal health in the Nordic Baltic region: Present situation and possible future trends
Research output: Research › Article in proceedings – Annual report year: 2009

Danske aktiviteter vedr. mitteovervågning og forskning
Research output: Research › Poster – Annual report year: 2008

Screening for spatial and temporal trends across Europe among registered cases of human salmonellosis, 1994-2006
Research output: Research › peer-review › Conference abstract for conference – Annual report year: 2008

Små myg overvåges fra rummet
Research output: Communication › Journal article – Annual report year: 2008

Udbredelse af den bakterielle zoonose Q-feber i danske kvægbesætninger: En epidemiologisk analyse af laboratoriedata fra 2007
Research output: Research › Report – Annual report year: 2008

Udbredelse af den bakterielle zoonose i danske kvægbesætninger: - En epidemiologisk analyse af laboratoriedata fra 2007
Research output: Research › peer-review › Journal article – Annual report year: 2008

Vektorbårne sygdomme: Nye teknologier til overvågning og kontrol
Research output: Research › Paper – Annual report year: 2008

Growth inhibitory factors in bovine faeces impairs detection of Salmonella Dublin by conventional culture procedure
Research output: Research › peer-review › Journal article – Annual report year: 2007

Evaluation of the risk of spread of Echinococcus multilocularis from Denmark to Sweden: DFVF Risk Assessment Report
Research output: Research › Report – Annual report year: 2006

Relationship between the intensity of exposure to malaria parasites and infection in the Usambara Mountains, Tanzania
Research output: Research › peer-review › Journal article – Annual report year: 2006

Riskovurdering gennemført af Danmarks Fødevareforskning vedr. effekten af at fjerne loftet på 500 dyreenheder pr. landbrugsejendom
Research output: Research › Report – Annual report year: 2006

Effect of topography on the risk of malaria infection in the Usambara Mountains, Tanzania
Research output: Research › peer-review › Journal article – Annual report year: 2004

Addition of novobiocin in pre-enrichment step can improve Salmonella culture protocol of modified semisolid Rappaport-Vassiliadis
Research output: Research › peer-review › Journal article – Annual report year: 2003

Relationship between altitude and intensity of malaria transmission in the Usambara Mountains, Tanzania
Research output: Research › peer-review › Journal article – Annual report year: 2003

Sammenhæng mellem blodantistoffer og fækal udskillelse af S. Dublin hos slægtekalve: Technical Report, DVI 55034
Research output: Research › Report – Annual report year: 2003

Diversity of Plasmodium falciparum populations and complexity of infections in relation to transmission intensity and host age: a study from the Usambara Mountains, Tanzania
Research output: Research › peer-review › Journal article – Annual report year: 2001
Effect of 1997-98 El Nino on highland malaria in Tanzania
Research output: Research - peer-review › Journal article – Annual report year: 2000

Resurgence of malaria in the Usambara mountains, Tanzania, an epidemic of drug-resistant parasites
Research output: Research - peer-review › Journal article – Annual report year: 2000

Variation in malaria risk in the Usambara Mountains, Tanzania
Research output: Research › Ph.D. thesis – Annual report year: 2000

Aminopropeptide of human procollagen type I: a marker for the identification of blood from children in the mosquito blood meal
Research output: Research - peer-review › Journal article – Annual report year: 1995

Projects:

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

Short range modelling of Culicoides dispersal
Project: PhD

Vector-borne infections: risk based and cost effective surveillance systems
Project: Research

Multiple detections of epizootic and zoonotic pathogens in ticks. Development of low density DNA microarrays used as new epidemiologic investigative tools
Project: Research

Biology and control of vector-borne infections in Europe
Project: Research

Opbygning af et Dansk veterinært beredskab for Bluetongue
Project: Research

Bluetongue distribution and the impact of climate change in the Nordic countries
Project: Research

Climate change, globalisation and vector borne diseases in the Nordic countries. The future distribution of vector borne diseases.
Project: Research

Nordic Climate Change Atlas. An atlas of climatic and environmental determinants of present and future veterinary and zoonotic diseases in the Nordic area
Project: Research

Opbygning af et Dansk veterinært beredskab for Bluetongue
Project: Research
Activities:

**Vektorbårne infektioner**  
Activity: Talks and presentations › Conference presentations

**The need to measure and predict vector abundance and biting rate**  
Activity: Talks and presentations › Conference presentations

**Risk based surveillance for vector borne diseases**  
Activity: Talks and presentations › Conference presentations

**Dyrlægernes dag (DDD): Vektorbårne sygdomme - hvilken vej blæser vinden**  
Activity: Talks and presentations › Conference presentations

**Early detection of Salmonella Dublin herds at risk for changing test status in the Danish surveillance program**  
Activity: Talks and presentations › Conference presentations

**Aftagerkonference: FoodDTU - konference 27. maj 2008**  
Activity: Talks and presentations › Conference presentations

**Evaluation of factors affecting the analytical sensitivity of bacteriological methods for investigation of S. Dublin in bovine faecal samples**  
Activity: Talks and presentations › Conference presentations