Research outputs:

Bacterial species associated with interdigital phlegmon outbreaks in Finnish dairy herds
Research output: Research - peer-review › Journal article – Annual report year: 2019

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

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

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

Pathology and bacteria related to digital dermatitis in dairy cattle in all-year-round grazing system in Brazil
Research output: Research - peer-review › 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

Tag ikke engflåter med hjem fra ferien
Research output: Communication › Journal article – Annual report year: 2018

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

Colonization of the bovine uterus by Candida kefyr
Research output: Research - peer-review › Journal article – Annual report year: 2017
Engfåtter funnet 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

Microbiota analysis of environmental slurry and its potential role as a reservoir of bovine digital dermatitis pathogens
Research output: Research - peer-review › Journal article – 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

Presence and localization of bacteria in the bovine endometrium postpartum using fluorescence in situ hybridization
Research output: Research - peer-review › Journal article – 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

An investigation of the microbiota in uterine flush samples and endometrial biopsies from dairy cows during the first 7 weeks postpartum
Research output: Research - peer-review › Journal article – Annual report year: 2016

A novel approach to probe host-pathogen interactions of bovine digital dermatitis, a model of a complex polymicrobial infection
Research output: Research - peer-review › Journal article – 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 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

Identification of common bacterial antigenic markers from bovine digital dermatitis lesions using meta-transcriptomics in combination with high-density peptide-microarrays
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Potential bacterial core species associated with digital dermatitis in cattle herds identified by molecular profiling of interdigital skin samples
Predicing spatial distribution of pathogens transmitted by ticks in northern Europe
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Predicing 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 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

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

112 Presence of bacteria in the endometrium and oviduct of cows with pyometra as detected by florescence in situ hybridization
Research output: Research - peer-review › Journal article – Annual report year: 2015

Concurrent host-pathogen gene expression in the lungs of pigs challenged with Actinobacillus pleuropneumoniae
Research output: Research - peer-review › Journal article – Annual report year: 2015

High-throughput Gene Expression Analysis In Pigs As Model For Respiratory Infections
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Preliminary data on the presence of bacteria in the uterus of pregnant cows
Research output: Research - peer-review › Journal article – Annual report year: 2015

Revisiting bovine pyometra-New insights into the disease using a culture-independent deep sequencing approach
Research output: Research - peer-review › Journal article – Annual report year: 2015

Detection of polytreponemal infection in three cases of porcine ulcerative stomatitis by Fluorescent in situ hybridization
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Discovery of Bovine Digital Dermatitis-Associated Treponema spp. in the Dairy Herd Environment by a Targeted Deep-Sequencing Approach.
Research output: Research - peer-review › Journal article – Annual report year: 2014

Genetic diversity of Treponemes in dairy herds and their surrounding environment
Research output: Research - peer-review › Poster – Annual report year: 2014

High-throughput gene expression analysis in pigs as model for respiratory infections
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2014

High throughput quantitative PCR to measure prevalence and gene expression of the three major groups of treponemes associated with Digital dermatitis in dairy cows.
Research output: Research - peer-review › Poster – Annual report year: 2014
High-throughput screening of tick-borne pathogens in Europe
Research output: Research - peer-review › Journal article – Annual report year: 2014

Identification of Treponema pedis as the predominant Treponema species in porcine skin ulcers by fluorescence in situ hybridization and high-throughput sequencing.
Research output: Research - peer-review › Journal article – Annual report year: 2014

Molecular characterisation of the uterine microbiome of dairy cows suffering from endometritis, metritis, and pyometra
Research output: Research › Ph.D. thesis – Annual report year: 2015

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

The pig as a large animal model for characterization of host-pathogen interactions
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Application of fluorescence in situ hybridization (FISH) for detection of bacteria in endometrial biopsies from postpartum cows
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

Insights into the microbiota of the bovine uterus
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Interdigital dermatitis, heel horn erosion, and digital dermatitis in 14 Norwegian dairy herds
Research output: Research - peer-review › Journal article – Annual report year: 2013

Simultaneous analysis of host and pathogen gene expression changes during bacterial infection
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Targeting the Treponemal Microbiome of Digital Dermatitis Infections by High-Resolution Phylogenetic Analyses and Comparison with Fluorescent In Situ Hybridization
Research output: Research - peer-review › Journal article – Annual report year: 2013

Bovine digital dermatitis: Possible pathogenic consortium consisting of Dichelobacter nodosus and multiple Treponema species
Research output: Research - peer-review › Journal article – Annual report year: 2012

Investigating the etiology of bovine digital dermatitis by a combination of 16S rRNA gene analysis and fluorescence in situ hybridization
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2012

Investigating the microbiome of the bovine uterus in relation to endometritis, a costly disease for dairy farmers
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2012

Transcriptional Portrait of Actinobacillus pleuropneumoniae during Acute Disease - Potential Strategies for Survival and Persistence in the Host
Research output: Research - peer-review › Journal article – Annual report year: 2012

Actinobacillus pleuropneumoniae transcriptome analysis during early infection - coping with a hostile environment
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011
Comparative profiling of the transcriptional response to iron restriction in six serotypes of Actinobacillus pleuropneumoniae with different virulence potential
Research output: Research - peer-review › Journal article – Annual report year: 2010

The effect of a diet with fructan-rich chicory roots on intestinal helminths and microbiota with special focus on Bifidobacteria and Campylobacter in piglets around weaning.
Research output: Research - peer-review › Journal article – Annual report year: 2010

Comparison of high and low virulence serotypes of Actinobacillus pleuropneumoniae by quantitative real-time PCR
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Expression of coding (mRNA) and non-coding (microRNA) RNA in lung tissue and blood isolated from pigs suffering from bacterial pleuropneumonia
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

Intra-species variation in Actinobacillus pleuropneumoniae – transcriptional response to iron limitation in serotypes with different virulence potential.
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2010

The porcine systemic response to pleuropneumonia studied by transcriptional profiling of liver and tracheobronchial lung lymph nodes using multiplexed mRNA-Seq
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

Bovine digital dermatitis: A spirochetal skin disease of polytreponemal aetiology
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2009

Application of fluorescent in situ hybridisation for demonstration of multiple Treponema phylotypes involved in bovine digital dermatitis
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2008

Comparison of high and low virulence serotypes of Actinobacillus pleuropneumoniae by quantitative real-time PCR
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2008

Evidence of Multiple Treponema Phylotypes Involved in Bovine Digital Dermatitis as Shown by 16S rRNA Gene Analysis and Fluorescence In Situ Hybridization
Research output: Research - peer-review › Journal article – Annual report year: 2008

Prevalence and distribution of new and previously described Treponema phylotypes in digital dermatitis infections
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2008

Etiology of digital dermatitis in Danish cattle. Preliminary results
Research output: Research › Conference abstract for conference – Annual report year: 2007

Measurement of bacterial gene expression in vivo by laser capture microdissection and quantitative real-time RT-PCR
Research output: Research - peer-review › Journal article – Annual report year: 2007

16S rRNA gene identification of a novel invasive not-yet cultivated Treponema sp. in the large intestines of pigs
Research output: Research › Conference abstract for conference – Annual report year: 2006

16S rRNA gene identification of a novel not-yet cultivated Treponema sp. in pigs by laser capture microdissection of bacterial cells targeted by fluorescence in situ hybridization - LCM-FISH
Research output: Research › Conference abstract for conference – Annual report year: 2006
Identification of a novel, invasive, not-yet-cultivated Treponema sp in the large intestine of pigs by PCR amplification of the 16S rRNA gene
Research output: Research - peer-review › Journal article – Annual report year: 2006

Identifikation af bakterier i fikseret væv
Research output: Communication › Journal article – Annual report year: 2006

Microarray analysis of the responses of Actinobacillus pleuropneumoniae virulence genes to iron deficiency
Research output: Research › Conference abstract for conference – Annual report year: 2006

Phylogeny and distribution of an unknown Treponema sp. associated with porcine colitis by using in situ hybridization and laser capture microdissection (LCM)
Research output: Research › Conference abstract for conference – Annual report year: 2006

Laser capture microdissection of bacterial cells targeted by fluorescence in situ hybridization
Research output: Research - peer-review › Journal article – Annual report year: 2005

Laser Capture Microdissection of bacterial cells targeted by fluorescence in situ hybridization – LCM_FISH
Research output: Research › Conference abstract for conference – Annual report year: 2005

Microarray analysis of the responses of Actinobacillus pleuropneumoniae virulence genes to iron deficiency
Research output: Research › Conference abstract for conference – Annual report year: 2005

Projects:

Genome sequencing of important animal pathogenic bacteria
Project: PhD

Molecular Characterization of Endometritis in Dairy Cattle
Project: PhD

The establishment of the microbiota in piglets
Project: PhD

Colostrum for gut protection and recovery
Project: PhD

Bovine abortions revisited
Project: Research