Kerstin Skovgaard - DTU Orbit (17/02/2019)
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Research outputs:

**Staphylococcus aureus infected embolic stroke upregulates Orm1 and Cxcl2 in a rat model of septic stroke pathology**
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Animal Models for Influenza A Virus Infection Incorporating the Involvement of Innate Host Defenses: Enhanced Translational Value of the Porcine Model**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Ascaris Suum Infection Downregulates Inflammatory Pathways in the Pig Intestine In Vivo and in Human Dendritic Cells In Vitro.**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Characterization of the enhancer and promoter landscape of inflammatory bowel disease from human colon biopsies**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Expression of selected genes isolated from whole blood, liver and obex in lambs with experimental classical scrapie and healthy controls, showing a systemic innate immune response at the clinical end-stage**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Forensic age determination of human inflicted porcine bruises inflicted within 10h prior to slaughter by application of gene expression signatures**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Histological evaluation of experimental porcine bruises**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**IFN-λ and microRNAs are important modulators of the pulmonary innate immune response against influenza A (H1N2) infection in pigs**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Mucosal barrier and Th2 immune responses are enhanced by dietary inulin in pigs infected with trichuris suis**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Necrotizing enterocolitis is associated with acute brain responses in preterm pigs**
Research output: Research - peer-review › Journal article – Annual report year: 2018
Oral Supplementation with Bovine Colostrum Prevents Septic Shock and Brain Barrier Disruption During Bloodstream Infection in Preterm Newborn Pigs
Research output: Research - peer-review › Journal article – Annual report year: 2018

Pigs are useful for the molecular study of bone inflammation and regeneration in humans
Research output: Research - peer-review › Journal article – Annual report year: 2018

Prenatal Intra-Amniotic Endotoxin Induces Fetal Gut and Lung Immune Responses and Postnatal Systemic Inflammation in Preterm Pigs
Research output: Research - peer-review › Journal article – Annual report year: 2018

Subtyping of Swine Influenza Viruses Using a High-Throughput Real-Time PCR Platform
Research output: Research - peer-review › Journal article – Annual report year: 2018

The intensity of the inflammatory response in experimental porcine bruises depends on time, anatomical location and sampling site
Research output: Research - peer-review › Journal article – Annual report year: 2018

A polyphenol-enriched diet and Ascaris suum infection modulate mucosal immune responses and gut microbiota composition in pigs
Research output: Research - peer-review › Journal article – Annual report year: 2017

Dietary cinnamaldehyde enhances acquisition of specific antibodies following helminth infection in pigs
Research output: Research - peer-review › Journal article – Annual report year: 2017

Forensic aspects of gene expression signatures for age determination in bruises as evaluated in an experimental porcine model
Research output: Research - peer-review › Journal article – Annual report year: 2017

Immunological effects of reduced mucosal integrity in the early life of BALB/c mice
Research output: Research - peer-review › Journal article – Annual report year: 2017

Increased Intestinal Inflammation and Digestive Dysfunction in Preterm Pigs with Severe Necrotizing Enterocolitis
Research output: Research - peer-review › Journal article – Annual report year: 2017

Loss of prion protein induces a primed state of type I interferon-responsive genes
Research output: Research - peer-review › Journal article – Annual report year: 2017

Subtyping of swine influenza viruses using a high-throughput real time PCR platform
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

The impact of a diet with fructan-rich chicory roots on Oesophagostomum dentatum worm population dynamics and host immune responses in pigs
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Transcriptional immune response in mesenteric lymph nodes in pigs with different levels of resistance to Ascaris suum
Research output: Research - peer-review › Journal article – Annual report year: 2017

Activation of innate immune genes in caprine blood leukocytes after systemic endotoxin challenge
Research output: Research - peer-review › Journal article – Annual report year: 2016
Characterization and differentiation of equine experimental local and early systemic inflammation by expression responses of inflammation-related genes in peripheral blood leukocytes
Research output: Research - peer-review › Journal article – Annual report year: 2016

Comparison of innate and Th1-type host immune responses in Oesophagostomum dentatum and Trichuris suis infections in pigs
Research output: Research - peer-review › Journal article – Annual report year: 2016

Early enteral feeding reduces sepsis response and neuroinflammation in a pig model of neonatal bloodstream infection
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2017

Gut, immunity and brain development is immature in preterm pigs and responsive to different milk diets
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2017

Hepatic expression of inflammatory genes and microRNAs in pigs with high "cholesteryl ester transfer protein" (CETP) activity
Research output: Research - peer-review › Journal article – Annual report year: 2016

Investigating the Role of Surface Materials and Three Dimensional Architecture on In Vitro Differentiation of Porcine Monocyte-Derived Dendritic Cells
Research output: Research - peer-review › Journal article – Annual report year: 2016

Late regulation of immune genes and microRNAs in circulating leukocytes in a pig model of influenza A (H1N2) infection
Research output: Research - peer-review › Journal article – Annual report year: 2016

Limited effects of preterm birth and the first enteral nutrition on cerebellum morphology and gene expression in piglets
Research output: Research - peer-review › Journal article – Annual report year: 2016

Provision of Amniotic Fluid During Parenteral Nutrition Increases Weight Gain With Limited Effects on Gut Structure, Function, Immunity, and Microbiology in Newborn Preterm Pigs
Research output: Research - peer-review › Journal article – Annual report year: 2015

Spray Dried, Pasteurised Bovine Colostrum Protects Against Gut Dysfunction and Inflammation in Preterm Pigs
Research output: Research - peer-review › Journal article – Annual report year: 2016

The preterm pig as a model of premature infant gait ataxia
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Characterization of the bacterial gut microbiota of piglets suffering from new neonatal porcine diarrhoea
Research output: Research - peer-review › Journal article – Annual report year: 2015

Circulating Extracellular microRNA In Systemic Autoimmunity
Research output: Research - peer-review › Book chapter – 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

Dynamic expression of leukocyte innate immune genes in whole blood from horses with lipopolysaccharide-induced acute systemic inflammation
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
Immune and inflammatory responses in pigs infected with Trichuris suis and Oesophagostomum dentatum
Research output: Research - peer-review » Journal article – Annual report year: 2014

Immune gene expression in the spleen of chickens experimentally infected with Ascaridia galli
Research output: Research - peer-review » Journal article – Annual report year: 2015

Increased microbe-receptor contact in early life – approaching immune regulation
Research output: Research - peer-review » Conference abstract for conference – Annual report year: 2016

Intrabronchial Microdialysis: Effects of Probe Localization on Tissue Trauma and Drug Penetration into the Pulmonary Epithelial Lining Fluid
Research output: Research - peer-review » Journal article – Annual report year: 2015

MicroRNA regulation of TLRs in a post-influenza animal model
Research output: Research - peer-review » Conference abstract for conference – Annual report year: 2015

Necrotizing Enterocolitis in Preterm Pigs Is Associated with Increased Density of Intestinal Mucosa-Associated Bacteria Including Clostridium perfringens
Research output: Research - peer-review » Journal article – Annual report year: 2015

Preterm Birth Reduces Nutrient Absorption With Limited Effect on Immune Gene Expression and Gut Colonization in Pigs
Research output: Research - peer-review » Journal article – Annual report year: 2015

The pig as a large animal model for influenza a virus infection
Research output: Research - peer-review » Conference abstract for conference – Annual report year: 2016

Vascular gene expression in diet-induced atherosclerotic göttingen minipigs
Research output: Research - peer-review » Conference abstract for conference – Annual report year: 2015

Bovine colostrum improves intestinal function following formula-induced gut inflammation in preterm pigs
Research output: Research - peer-review » Journal article – Annual report year: 2013

Characterization of the bacterial gut microbiota in new neonatal porcine diarrhoea
Research output: Research » Ph.D. thesis – Annual report year: 2015

Ascaridia galli infection influences the development of both humoral and cell-mediated immunity after Newcastle Disease vaccination in chickens
Research output: Research - peer-review » Journal article – Annual report year: 2014

Expression studies of six human obesity-related genes in seven tissues from divergent pig breeds
Research output: Research - peer-review » Journal article – Annual report year: 2014

Extensive changes in innate immune gene expression in obese Göttingen minipigs do not lead to changes in concentrations of circulating cytokines and acute phase proteins
Research output: Research - peer-review » Journal article – 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

Profiling gene expression in mesenteric lymph nodes in pigs with different levels of resistance to Ascaris suum
Research output: Research - peer-review » Conference abstract in proceedings – 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

Wet-lab tested microRNA assays for qPCR studies with SYBR®Green and DNA primers in pig tissues
Research output: Research - peer-review › Journal article – Annual report year: 2014

Ampicillin-Improved Glucose Tolerance in Diet-Induced Obese C57BL/6NTac Mice Is Age Dependent
Research output: Research - peer-review › Journal article – Annual report year: 2014

A novel multi-stage subunit vaccine against paratuberculosis induces significant immunity and reduces bacterial burden in tissues (P4304)
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

Characterization of the gene expression response in a preterm pig model of necrotizing enterocolitis
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Characterization of the small intestinal gene expression response in a preterm pig model of necrotizing enterocolitis
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Cloning Changes the Response to Obesity of Innate Immune Factors in Blood, Liver, and Adipose Tissues in Domestic Pigs
Research output: Research - peer-review › Journal article – Annual report year: 2013

Disseminated Intravascular Coagulation in a Novel Porcine Model of Severe Staphylococcus aureus Sepsis Fulfills Human Clinical Criteria
Research output: Research - peer-review › Journal article – Annual report year: 2013

Expression of innate immune genes, proteins and microRNAs in lung tissue and leukocytes of pigs infected with influenza virus
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Expression of innate immune genes, proteins and microRNAs in lung tissue of pigs infected experimentally with influenza virus (H1N2)
Research output: Research - peer-review › Journal article – Annual report year: 2013

Gene Expression Analysis of the IPEC-J2 Cell Line: A Simple Model for the Inflammation-Sensitive Preterm Intestine
Research output: Research - peer-review › Journal article – Annual report year: 2013

Gene expression in lymph nodes in pigs with two different genotypes associated with resistance or susceptibility to Ascaris suum
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Gene expression in mesenteric lymph nodes of pigs with two different genotypes associated with resistance or susceptibility to Ascaris suum
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

Gene expression patterns in multiple organs in experimentally induced Staphylococcus aureus sepsis in pigs
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013
High-throughput Leukocyte expression analysis of innate immune mediators in equine systemic inflammation
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Induction of tolerance in the gut by low-dose DSS treatment
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Mild heat treatment does not reduce the colitis-protective effects of bovine colostrum in preterm pigs
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Organization and Biology of the Porcine Serum Amyloid A (SAA) Gene Cluster: Isoform Specific Responses to Bacterial Infection.
Research output: Research - peer-review › Journal article – Annual report year: 2013

Pig α1-Acid Glycoprotein: Characterization and First Description in Any Species as a Negative Acute Phase Protein.
Research output: Research - peer-review › Journal article – Annual report year: 2013

Postnatal amniotic fluid intake reduces gut inflammatory responses and necrotizing enterocolitis in preterm neonates
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

The Gut Microbiot assay: a high-throughput qPCR approach combinable with next generation sequencing to study gut microbial diversity
Research output: Research - peer-review › Journal article – Annual report year: 2013

The need for transparency and good practices in the qPCR literature.
Research output: Research - peer-review › Journal article – Annual report year: 2013

Expression of Innate Immune Response Genes in Liver and Three Types of Adipose Tissue in Cloned Pigs
Research output: Research - peer-review › Journal article – Annual report year: 2012

Expression of microRNAs and innate immune factor genes in lung tissue of pigs infected with influenza virus (H1N2)
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Incubation of human blood fractions leads to changes in apparent miRNA abundance
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Innate immune responses to obesity in cloned and normal outbred domestic pig
Research output: Research - peer-review › Poster – Annual report year: 2012

Innate immune responses to obesity in cloned and wild-type domestic pig
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Intestinal colonization, gut function and inflammatory responses are moderately influenced by gestational age at birth
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2012

Profiling microRNAs in lung tissue from pigs infected with Actinobacillus pleuropneumoniae
Research output: Research - peer-review › Journal article – Annual report year: 2012
The gut microbiota assay – a high-throughput real-time PCR chip combined with next generation sequencing.
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

The Impact of *Staphylococcus Aureus* Concentration on the Development of Pulmonary Lesions and Cytokine Expression After Intravenous Inoculation of Pigs
Research output: Research - peer-review › Journal article – Annual report year: 2012

Fetal lipopolysaccharide exposure modulates diet-dependent gut maturation and sensitivity to necrotising enterocolitis in pre-term pigs
Research output: Research - peer-review › Journal article – Annual report year: 2011

MicroRNA expression in lung tissue and blood isolated from pigs suffering from bacterial pneumonia
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2011

Porcine blood mononuclear cell cytokine responses to PAMP molecules: comparison of mRNA and protein production
Research output: Research - peer-review › Journal article – Annual report year: 2011

Transcriptional profiling at different sites in lungs of pigs during acute bacterial respiratory infection
Research output: Research - peer-review › Journal article – Annual report year: 2011

Transition from parenteral to enteral nutrition induces immediate diet-dependent gut histological and immunological responses in preterm neonates
Research output: Research - peer-review › Journal article – Annual report year: 2011

Cytokine and acute phase protein mRNA expression in liver tissue from pigs with severe sepsis caused by intravenous inoculation of *Staphylococcus aureus*
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

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

Extraction of mRNA from coagulated horse blood and analysis of inflammation-related cytokine responses to coagulation
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

Hepatic gene expression changes in pigs experimentally infected with the lung pathogen *Actinobacillus pleuropneumoniae* as analysed with an innate immunity focused microarray
Research output: Research - peer-review › Journal article – Annual report year: 2010

Local and disseminated acute phase response during bacterial respiratory infection in pigs
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

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

A two-locus DNA sequence database for typing plant and human pathogens within the *Fusarium oxysporum* species complex.
Research output: Research - peer-review › Journal article – Annual report year: 2009

PORCINE CYTOKINE RESPONSES TO PAMP-STRUCTURES IN VITRO.: KINETICS COMPARING EXPRESSION ON mRNA AND PROTEIN LEVEL
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2009
Rapid and widely disseminated acute phase protein response after experimental bacterial infection of pigs
Research output: Research - peer-review > Journal article – Annual report year: 2009

Stability of microRNA in partly degraded RNA extracted from porcine lung tissue
Research output: Research > Poster – Annual report year: 2009

Enteral formula feeding causes acute intestinal dysfunction and inflammation in preterm pigs during development of necrotizing enterocolitis
Research output: Research > Conference abstract for conference – Annual report year: 2008

Extrahepatic Acute Phase Protein Response in Pigs with Pleuropneumonia Caused by Experimental Actinobacillus pleuropneumoniae Infection
Research output: Research > Poster – Annual report year: 2008

Extrahepatic Expression of Acute Phase Proteins in Pigs undergoing Actinobacillus pleuropneumoniae Infection
Research output: Research > Conference abstract for conference – Annual report year: 2008

Gene expression profiling of the early response in lungs of pigs experimentally infected with Actinobacillus pleuropneumoniae
Research output: Research - peer-review > Poster – Annual report year: 2008

Oral administration of amniotic fluid reduces necrotizing enterocolitis in preterm pigs
Research output: Research > Conference abstract for conference – Annual report year: 2008

The disseminated acute phase protein response to experimental bacterial lung infection in pigs
Research output: Research > Poster – Annual report year: 2008

Time-dependent functional and immunological changes in the intestine of the preterm pig susceptible to necrotizing enterocolitis
Research output: Research > Conference abstract for conference – Annual report year: 2008

Dendrimers as scaffolds for immune-stimulatory motifs: A new class of well-defined molecular adjuvants
Research output: Research - peer-review > Poster – Annual report year: 2007
Molecular and functional characterization of the lung surfactant protein C (SP-C) gene in pig
Research output: Research › Conference abstract for conference – Annual report year: 2006

Molecular characterization of the porcine surfactant, pulmonary-associated protein C gene
Research output: Research - peer-review › Journal article – Annual report year: 2006

Using pig cDNA microarrays to study the immune response and inherited differences in expression
Research output: Research - peer-review › Poster – Annual report year: 2006

Validation of housekeeping genes for normalisation of quantitative real-time RT-PCR data for IL-6 expression in four different tissues in pigs infected with Actinobacillus pleuropneumoniae
Research output: Research - peer-review › Poster – Annual report year: 2006

Validation of housekeeping genes for normalisation of quantitative real-time RT-PCR data for IL-6 expression in four different tissues in pigs infected with Actinobacillus pleuropneumoniae
Research output: Research - peer-review › Poster – Annual report year: 2006

Differential expression of genes encoding CD30L and P-selectin in cattle with Johne's disease: Progress toward a diagnostic gene expression signature
Research output: Research - peer-review › Poster – Annual report year: 2005

In vitro screening of probiotic properties of Saccharomyces cerevisiae var. boulardii and food-borne Saccharomyces cerevisiae strains
Research output: Research - peer-review › Journal article – Annual report year: 2005

Johne's disease in cattle is associated with enhanced expression of genes encoding IL-5, GATA-3, tissue inhibitors of matrix metalloproteinases 1 and 2, and factors promoting apoptosis in peripheral blood mononuclear cells
Research output: Research - peer-review › Journal article – Annual report year: 2005

Molecular characterization of the early pig response to experimental infection with Actinobacillus pleuropneumoniae using cDNA microarrays
Research output: Research - peer-review › Poster – Annual report year: 2005

What has functional genomics taught us about Johne's disease in cattle?
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2005

What has functional genomics taught us about Johne's disease in cattle?
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2005

Fusarium commune is a new species within the Gibberella clade identified by morphological and molecular phylogenetic data
Research output: Research - peer-review › Journal article – Annual report year: 2003

Fusarium commune is a new species within the Gibberella clade identified by morphological and molecular phylogenetic data
Research output: Research - peer-review › Poster – Annual report year: 2002

Population structure and pathogenicity of Fusarium oxysporum isolated from soil and root necrosis of pea
Research output: Research - peer-review › Poster – Annual report year: 2002
Population structure and pathogenicity of members of the Fusarium oxysporum complex isolated from soil and root necrosis of pea (Pisum sativum L.)
Research output: Research - peer-review › Journal article – Annual report year: 2002

Evolution of Fusarium oxysporum f. sp. vasinfectum races inferred from multigene genealogies
Research output: Research - peer-review › Journal article – Annual report year: 2001

Comparison of variation in intra- and extracellular isoymes of Fusarium oxysporum.
Research output: Research - peer-review › Journal article – Annual report year: 1998

Projects:

Human disease modeling in the Ossabaw and Göttingen minipigs
Project: PhD

Optimeret sygdomsforebyggelse i slagtesvinebesætninger
Project: Research

Impact of low-grade inflammation on influenza
Project: PhD

Diagnostic methods for veterinary pathogens
Project: PhD

The establishment of the microbiota in piglets
Project: PhD

Expression of rhabdovirus-induced fish-specific micoribonucleic acids in rainbow trout (Oncorhynchus mykiss)
Project: PhD

Non-coding RNA mediated gene regulation during influenza infection
Project: PhD

Non-invasive screening of embryo culture miRNA for predicting embryo developmental success
Project: Research

Nutriomics - functional foods for cloned, lean/obese pigs
Project: Research

Genetic response to lung infection: on the quest for distinctive expression signatures
Project: Research

Activities:

CBioVikings Virus Symposium
Activity: Talks and presentations › Conference presentations

Sharing Advances on Large Animal Models
Activity: Talks and presentations › Conference presentations