Publications:

Aberrant intestinal microbiota in individuals with prediabetes
Publication: Research - peer-review › Journal article – Annual report year: 2018

Differential bacterial capture and transport preferences facilitate co-growth on dietary xylan in the human gut
Publication: Research - peer-review › Journal article – Annual report year: 2018

Abortion and mortality in farm mink (Neovison vison) associated with feed-born Clostridium limosum
Publication: Research - peer-review › Journal article – Annual report year: 2017

Administration of two probiotic strains during early childhood does not affect the endogenous gut microbiota composition despite probiotic proliferation
Publication: Research - peer-review › Journal article – Annual report year: 2017

Characterisation of lactic acid bacteria in spontaneously fermented camel milk and selection of strains for fermentation of camel milk
Publication: Research - peer-review › Journal article – Annual report year: 2017

Do pesticides affect the intestinal bacterial community and does this have health implications?
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Effects of Gliadin consumption on the Intestinal Microbiota and Metabolic Homeostasis in Mice Fed a High-fat Diet
Publication: Research - peer-review › Journal article – Annual report year: 2017

Environmental spread of microbes impacts the development of metabolic phenotypes in mice transplanted with microbial communities from humans
Publication: Research - peer-review › Journal article – Annual report year: 2016

Faecalibacterium Gut Colonization Is Accelerated by Presence of Older Siblings
Publication: Research - peer-review › Journal article – Annual report year: 2017

First Foods and Gut Microbes
Publication: Research - peer-review › Journal article – Annual report year: 2017

Generic global regression models for growth prediction of Salmonella in ground pork and pork cuts
Publication: Research › Sound/Visual production (digital) – Annual report year: 2017
Generic global regression models for growth prediction of Salmonella in ground pork and pork cuts
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Genomic GC-content affects the accuracy of 16S rRNA gene sequencing based microbial profiling due to PCR bias
Publication: Research - peer-review › Journal article – Annual report year: 2017

Glyphosate has limited short-term effects on commensal bacterial community composition in the gut environment due to sufficient aromatic amino acid levels
Publication: Research - peer-review › Journal article – Annual report year: 2017

Microbiota analysis to reveal temperature abuse of fresh pork
Publication: Research - peer-review › Poster – Annual report year: 2017

Microbiota analysis to reveal temperature abuse of fresh pork
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Microbiota analysis to reveal temperature abuse of fresh pork
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Microbiota composition of simultaneously colonized mice housed under either a gnotobiotic isolator or individually ventilated cage regime
Publication: Research - peer-review › Journal article – Annual report year: 2017

Påvirker pesticider tarmens bakteriesamfund - og hvad kan det betyde for sundheden?
Publication: Research › Journal article – Annual report year: 2017

Pre-treatment microbial Prevotella-to-Bacteroides ratio, determines body fat loss success during a 6-month randomized controlled diet intervention
Publication: Communication › Conference article – Annual report year: 2018

Short-term effect of oral amoxicillin treatment on the gut microbial community composition in farm mink (Neovison vison)
Publication: Research - peer-review › Journal article – Annual report year: 2017

The gastrointestinal tract of farmed mink (Neovison vison) maintains a diverse mucosa-associated microbiota following a 3-day fasting period
Publication: Research - peer-review › Journal article – Annual report year: 2017

Whole grain-rich diet reduces body weight and systemic low-grade inflammation without inducing major changes of the gut microbiome: a randomised cross-over trial
Publication: Research - peer-review › Journal article – Annual report year: 2017

Colonic transit time is related to bacterial metabolism and mucosal turnover in the gut
Publication: Research - peer-review › Journal article – Annual report year: 2016

Colonic transit time is related to bacterial metabolism and mucosal turnover in the human gut
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Colonic transit time relates to bacterial metabolism and mucosal turnover in the human gut
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016
Effect of administration of antibiotics peripartum to wistar rats on bile acid profiles in offspring
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Infant Gut Microbiota Development Is Driven by Transition to Family Foods Independent of Maternal Obesity
Publication: Research - peer-review › Journal article – Annual report year: 2016

Perturbation of Neonatal Microbial Gut Community by Peripartum Antibiotics in Wistar Rats Lead to Decreased Weight Gain
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Perturbation of Neonatal Microbial Gut Community by Peripartum Antibiotics in Wistar Rats Lead to Decreased Weight Gain
Publication: Research - peer-review › Poster – Annual report year: 2016

Perturbation of Neonatal Microbial Gut Community by Peripartum Antibiotics in Wistar Rats Lead to Decreased Weight Gain
Publication: Research - peer-review › Poster – Annual report year: 2016

Tarmmikrobiota som følsom indikator for biologisk relevante restkoncentrationer af kemiske pesticider i fødevarer eksemplificeret ved glyphosat (Roundup®)
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

16S rRNA gene sequencing as a tool to study microbial populations in foods and process environments: limitations and opportunities
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

16S rRNA gene sequencing as a tool to study microbial populations in foods and process environments – limitations and opportunities
Publication: Research - peer-review › Poster – Annual report year: 2015

Antibiotic treatment affects intestinal permeability and gut microbial composition in Wistar rats dependent on antibiotic class
Publication: Research - peer-review › Journal article – Annual report year: 2015

A single exposure to a sublethal pediocin concentration initiates a resistance-associated temporal cell envelope and general stress response in Listeria monocytogenes
Publication: Research - peer-review › Journal article – Annual report year: 2014

Effect of Antibiotics on Gut Microbiota, Gut Hormones and Glucose Metabolism
Publication: Research - peer-review › Journal article – Annual report year: 2015
Gliadin affects glucose homeostasis and intestinal metagenome in C57BL6 mice fed a high-fat diet
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Gliadin intake alters intestinal microbiota, glucose and lipid metabolism, and adipose tissue and liver immune cells
Publication: Research - peer-review › Journal article – Annual report year: 2015

Having older siblings is associated with gut microbiota development during early childhood
Publication: Research - peer-review › Journal article – Annual report year: 2015

Lipid hydrolysis products affect the composition of infant gut microbial communities in vitro.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Obesity-associated fecal microbiota from human modulates body mass and metabolites in mice
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Older Siblings Affect Gut Microbiota Development in Early Childhood
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

The effect of 2 different housing systems on germ-free mice colonized with a complex gut microbiota
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2016

TL1A regulates TCRγδ+ intraepithelial lymphocytes and gut microbial composition
Publication: Research - peer-review › Journal article – Annual report year: 2015

Antibiotic treatment affects intestinal permeability and gut microbial composition in female Wistar rats dependent on antibiotic class
Publication: Research - peer-review › Poster – Annual report year: 2014

Antibiotic treatment affects intestinal permeability and gut microbial composition in female Wistar rats dependent on antibiotic class
Publication: Research - peer-review › Poster – Annual report year: 2014

Choice of bacterial DNA extraction method from fecal material influences community structure as evaluated by metagenomic analysis
Publication: Research - peer-review › Journal article – Annual report year: 2014

Correlations between intestinal flora and metabolic diseases
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Dietary xylo-oligosaccharide stimulates intestinal bifidobacteria and lactobacilli but has limited effect on intestinal integrity in rats.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Effect of gut microbiota on Intestinal Integrity
Publication: Research › Ph.D. thesis – Annual report year: 2014

Establishment of Intestinal Microbiota during Early Life: a Longitudinal, Exploratory Study of a Large Cohort of Danish Infants
Publication: Research - peer-review › Journal article – Annual report year: 2014
Gliadin affects glucose homeostasis and intestinal metagenome in C57BL/6 mice fed high-fat diet
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Microbial enterotypes, inferred by the prevotella-to-bacteroides ratio, remained stable during a 6-month randomized controlled diet intervention with the new nordic diet
Publication: Research - peer-review › Journal article – Annual report year: 2015

Older siblings, pets and early life infections: impact on gut microbiota and allergy prevalence during the first three years of life
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Transfer of gut microbiota from lean and obese mice to antibiotic-treated mice
Publication: Research - peer-review › Journal article – Annual report year: 2014

Bifidogenic effect of whole-grain wheat during a 12-week energy-restricted dietary intervention in postmenopausal women
Publication: Research - peer-review › Journal article – Annual report year: 2013

Characterization of the infant gut microbiota in a cohort of 330 Danish children at 9, 18 and 36 months by quantitative PCR array (GULDA) analysis
Publication: Research - peer-review › Poster – Annual report year: 2013

Dietary whole-grain wheat increases intestinal levels of bifidobacteria in humans and bifidobacterial abundance is negatively correlated with the effect of fecal water on trans-epithelial resistance in vitro.
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Effect of diet on the human gut microbiota
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Enterotypes influence temporal changes in gut microbiota
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Enterotypes influence temporal changes in gut microbiota
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Freezing fecal samples prior to DNA extraction affects the Firmicutes to Bacteroidetes ratio determined by downstream quantitative PCR analysis
Publication: Research - peer-review › Journal article – Annual report year: 2012

Freezing fecal samples prior to DNA extraction affects the Firmicutes to Bacteroidetes ratio determined by downstream quantitative PCR analysis
Publication: Research › Conference abstract for conference – Annual report year: 2012

Freezing fecal samples prior to DNA extraction affects the Firmicutes to Bacteroidetes ratio determined by downstream quantitative PCR analysis
Publication: Research › Conference abstract for conference – Annual report year: 2012

Introducing GUt Low-Density Array (GULDA) - a validated approach for qPCR-based intestinal microbial community analysis
Publication: Research - peer-review › Letter – Annual report year: 2012

Nature of bacterial colonization influences transcription of mucin genes in mice during the first week of life
Publication: Research - peer-review › Journal article – Annual report year: 2012
The effect of whole-grain compared to refined wheat on the gut microbial composition and integrity in a colonic epithelial cell model following a 12-week energy-restricted dietary intervention in postmenopausal women
Publication: Research › Conference abstract for conference – Annual report year: 2012

The effect of whole-grain compared to refined wheat on the gut microbial composition and integrity in a colonic epithelial cell model following a 12-week energy-restricted dietary intervention in postmenopausal women
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

Validation of GUt Low Density Array (GULDA), a novel qPCR approach to the study of the intestinal microbial ecosystem
Publication: Research - peer-review › Poster – Annual report year: 2012

Validation of GUt Low Density Array (GULDA), a novel qPCR approach to the study of the intestinal microbial ecosystem
Publication: Research - peer-review › Poster – Annual report year: 2012

High abundance and diversity of Bacillus anthracis plasmid pXO1-like replicons in municipal wastewater
Publication: Research - peer-review › Journal article – Annual report year: 2010

All IncP-1 plasmid subgroups, including the novel ε subgroup, are prevalent in the influent of a Danish wastewater treatment plant
Publication: Research - peer-review › Journal article – Annual report year: 2009

Construction and Use of Flow Cytometry Optimized Plasmid-Sensor Strains
Publication: Research - peer-review › Book chapter – Annual report year: 2009

Persistence Mechanisms of Conjugative Plasmids
Publication: Research - peer-review › Journal article – Annual report year: 2009

Acclimation of subsurface microbial communities to mercury
Publication: Research - peer-review › Journal article – Annual report year: 2008

Germination and conjugation of Bacillus thuringiensis subsp. israelensis in the intestine of gnotobiotic rats
Publication: Research - peer-review › Journal article – Annual report year: 2008

Type 3 fimbriae, encoded by the conjugative plasmid pOLA52, enhance biofilm formation and transfer frequencies in Enterobacteriaceae strains
Publication: Research - peer-review › Journal article – Annual report year: 2008

Conjugative transfer facilitates stable maintenance of IncP-1 plasmid pKJK5 in Escherichia coli cells colonizing the gastrointestinal tract of the germfree rat
Publication: Research - peer-review › Journal article – Annual report year: 2007

Impact of conjugal transfer on the stability of IncP-1 plasmid pKJK5 in bacterial populations
Publication: Research - peer-review › Journal article – Annual report year: 2007

The multiple antibiotic resistance IncP-1 plasmid pKJK5 isolated from a soil environment is phylogenetically divergent from members of the previously established alpha, beta and delta sub-groups
Publication: Research - peer-review › Journal article – Annual report year: 2007

Projects:
Alleviation of ulcerative colitis by application of new oral delivery systems for bacteria
Project: PhD

Application of advanced delivery systems for live bacteria to the gut environment
Project: PhD

A search for novel antibiotic producing bacteria based on human gut microbiome data
Project: PhD

Microbiota and cow's milk tolerance
Project

Microbiota and cow's milk tolerance
Project: PhD

The gut microbiota as a sensitive indicator for biologically relevant residues of chemical pesticides in food produce exemplified by glyphosate (Roundup®)
Project

Undersøgelse af tarm mikrobiota hos mink med henblik på identifikation af probiotika egnet til forebyggelse og behandling af sygdomsproblemer hos mink
Project

Genomic antimicrobial resistance, prediction of functionality, resistance gene mobility and zoonotic relevance
Project: PhD

Microbiota and Metabolic Diseases - Dietary Intervention studies in humans
Project: PhD

ProbiComp: Effekt af probiotika på forebyggelse af infektioner og allergi hos vuggestuebørn
Project

PrimeGerm : Effects and consequences of neonatal gut community perturbation by antibiotics
Project

Development of the Human Gut Microbiota during Early Life
Project: PhD

Effects and consequences of neonatal gut community perturbation by antibiotics
Project: PhD

Microbiota Analyses for Disclosing Potential Pathogen Growth in Food
Project: PhD

ProbiComp: Probiotics in childhood
Project

Meat-Cross-Con: Meat safety - An innovative modelling approach to evaluate microbial pathogen transfer and cross contamination from farm to fork
Project
Microbiota and Metabolic Diseases - Dietary intervention studies in animal models
Project: PhD

3G Center: Center for Gut Microbiota, Metabolic disorders, and Grain/Fibre-based Diets (Guts, Grains and Greens)
Project

Risk-Benefit assessment of function foods - Focus on intestinal integrity
Project: PhD

Bioactive bacterial biofilm surfaces in aquaculture - Disease prevention without antibiotics
Project: PhD

Bacterial Impact on the Gut Metabolome
Project: PhD

Activities:

Do pesticides affect the intestinal bacterial community and does this have health implications?
Activity: Talks and presentations › Conference presentations

Påvirker pesticider tarmens bakteriesamfund – og hvad kan det betyde for sundheden?
Activity: Talks and presentations › Conference presentations

Tidlig kolonisering af mikrobiota og betydningen af overgangskost hos småbørn
Activity: Talks and presentations › Conference presentations

Undersøgelser af tarmmikrobiota hos "nyremink"
Activity: Talks and presentations › Conference presentations

Risikovurdering af ferske animalske råvarer ved hjælp af PCR
Activity: Talks and presentations › Conference presentations

Identification of the bacterial composition of the gut microbiota in Danish farmed mink
Activity: Talks and presentations › Conference presentations

Use of animal models to understand the role of the gut microbiota in humans
Activity: Talks and presentations › Conference presentations

Sammenhænge mellem tarmflora og metaboliske sygdomme
Activity: Talks and presentations › Conference presentations

Correlations between intestinal flora and metabolic diseases
Activity: Talks and presentations › Conference presentations

Censor for kandidatprojekt
Activity: Examinations and supervision › External examination

Opponent ved ph.d. forsvar
Activity: Examinations and supervision › External examination
Censor for Bachelorprojekt
Activity: Examinations and supervision › External examination

Press clippings:

Tarmbakterier/probiotika
Press / Media

Generel tarm mikrobiologi
Press / Media