Publications:

**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

**Xylo-oligosaccharides inhibit pathogen adhesion to enterocytes in vitro**
Publication: Research - peer-review › Journal article – Annual report year: 2012

**Effect of the vitamin B12-binding protein haptocorrin present in human milk on a panel of commensal and pathogenic bacteria**
Publication: Research › Journal article – Annual report year: 2011

**Gut Low Density Array (GULDA), a novel qPCR approach to the study of the intestinal microbial ecosystem**
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

**Quantification of specific E. coli in gut mucosa from Crohn's disease patients**
Publication: Research - peer-review › Journal article – Annual report year: 2011

**Thioredoxin 80-Activated-Monocytes (TAMs) Inhibit the Replication of Intracellular Pathogens**
Publication: Research - peer-review › Journal article – Annual report year: 2011

**Analysis of the intestinal microbiota of oligo-saccharide fed mice exhibiting reduced resistance to Salmonella infection**
Publication: Research - peer-review › Journal article – Annual report year: 2010

**Oxygen restriction increases the infection potential of Listeria monocytogenes - a transcriptional analysis.**
Publication: Research › Poster – Annual report year: 2010

**The ubiquitin C-terminal hydrolase UCH-L1 promotes bacterial invasion by altering the dynamics of the actin cytoskeleton**
Publication: Research - peer-review › Journal article – Annual report year: 2010

**Comparison of three Listeria monocytogenes strains in a guinea-pig model simulating food-borne exposure**
Publication: Research - peer-review › Journal article – Annual report year: 2009

**Oxygen restriction and virulence of Listeria monocytogenes: A transcriptome analysis**
Publication: Research › Sound/Visual production (digital) – Annual report year: 2009

**Oxygen restriction and virulence of Listeria monocytogenes: A transcriptome analysis**
Publication: Research › Conference abstract in proceedings – Annual report year: 2009

**Oxygen restriction increases the infection potential of Listeria monocytogenes – verification of microarray chip data by quantitative real-time PCR**
Publication: Research › Poster – Annual report year: 2009
Oxygen restriction increases the infection potential of Listeria monocytogenes – verification of microarray chip data by quantitative real-time PCR
Publication: Research › Conference abstract for conference – Annual report year: 2009

Some putative prebiotics increase the severity of Salmonella enterica serovar Typhimurium infection in mice
Publication: Research - peer-review › Journal article – Annual report year: 2009

Oxygen restriction increases the infective potential of Listeria monocytogenes in vitro in Caco-2 cells and in vivo in guinea pigs
Publication: Research - peer-review › Journal article – Annual report year: 2007

Well-known quorum sensing inhibitors do not affect bacterial quorum sensing-regulated bean sprout spoilage
Publication: Research - peer-review › Journal article – Annual report year: 2007

Construction of a multiple fluorescence labeling system for use in co-invasion studies of Listeria monocytogenes
Publication: Research - peer-review › Journal article – Annual report year: 2006

Internalin A (inlA) plays a key role in the persistence of Listeris monocytogenes in the jejunum of Guinea pigs
Publication: Research › Poster – Annual report year: 2006

Internalin A (inlA) plays a key role in the persistence of Listeris monocytogenes in the jejunum of Guinea pigs
Publication: Research › Conference abstract for conference – Annual report year: 2006

Cell-to-cell communication signals are produced by non-bioluminescent strains of Photobacterium phosphoreum
Publication: Research - peer-review › Journal article – Annual report year: 2005

Heterogeneity of biofilms formed by nonmucoid Pseudomonas aeruginosa isolates from patients with cystic fibrosis.
Publication: Research - peer-review › Journal article – Annual report year: 2005

Identity and effects of quorum sensing inhibitors produced by Penicillium species
Publication: Research - peer-review › Journal article – Annual report year: 2005

Involvement of bacterial quorum-sensing signals in spoilage of bean sprouts
Publication: Research - peer-review › Journal article – Annual report year: 2005

Nonbioluminescent strains of Photobacterium phosphoreum produce the cell-to-cell communication signal N-(3-Hydroxyoctanoyl)homoserine lactone.
Publication: Research - peer-review › Journal article – Annual report year: 2005

Nonmucoid Pseudomonas aeruginosa expresses alginate in the lungs of patients with cystic fibrosis and in a mouse model.
Publication: Research - peer-review › Journal article – Annual report year: 2005

Dynamics and spatial distribution of beta-lactamase expression in Pseudomonas aeruginosa biofilms
Publication: Research - peer-review › Journal article – Annual report year: 2004

Synthetic furanones inhibit quorum-sensing and enhance bacterial clearance in Pseudomonas aeruginosa lung infection in mice
Publication: Research - peer-review › Journal article – Annual report year: 2004

Attenuation of Pseudomonas aeruginosa virulence by quorum sensing inhibitors
Publication: Research - peer-review › Journal article – Annual report year: 2003
Surface motility in Pseudomonas sp DSS73 is required for efficient biological containment of the root-pathogenic microfungi Rhizoctonia solani and Pythium ultimum
Publication: Research - peer-review › Journal article – Annual report year: 2003

Antibiotic and biosurfactant properties of cyclic lipopeptides produced by fluorescent Pseudomonas spp. from the sugar beet rhizosphere
Publication: Research - peer-review › Journal article – Annual report year: 2002

Halogenated furanones inhibit quorum sensing through accelerated LuxR turnover
Publication: Research - peer-review › Journal article – Annual report year: 2002

Inhibition of quorum sensing in Pseudomonas aeruginosa biofilm bacteria by a halogenated furanone compound
Publication: Research - peer-review › Journal article – Annual report year: 2002

Lipopeptide production in Pseudomonas sp strain DSS73 is regulated by components of sugar beet seed exudate via the gac two-component regulatory system
Publication: Research - peer-review › Journal article – Annual report year: 2002

Genetic and chemical tools for investigating signaling processes in biofilms
Publication: Research - peer-review › Journal article – Annual report year: 2001

gfp-based N-acyl homoserine-lactone sensor systems for detection of bacterial communication
Publication: Research - peer-review › Journal article – Annual report year: 2001

Detection of N-acylhomoserine lactones in lung tissues of mice infected with Pseudomonas aeruginosa
Publication: Research - peer-review › Journal article – Annual report year: 2000

Development and dynamics of Pseudomonas sp biofilms
Publication: Research - peer-review › Journal article – Annual report year: 2000

How Delisea pulchra furanones affect quorum sensing and swarming motility in Serratia liquefaciens MG1
Publication: Research - peer-review › Journal article – Annual report year: 2000

Molecular Ecology of Biofilms
Publication: Research › Book chapter – Annual report year: 2000

Monitoring of cellular activities in multispecies bacterial surface communities
Publication: Research › Article in proceedings – Annual report year: 2000

Bacterial activity in microbial communities analyzed in situ by unstable variants of Green Fluorescent Protein fused to ribosomal promoters
Publication: Research - peer-review › Journal article – Annual report year: 1999

Distribution of bacterial growth activity in flow-chamber biofilms
Publication: Research - peer-review › Journal article – Annual report year: 1999

Molecular tools for study of biofilm physiology
Publication: Research - peer-review › Article in proceedings – Annual report year: 1999

Quorum sensing and eukaryote-prokaryote interactions
Publication: Research - peer-review › Journal article – Annual report year: 1999
Use of molecular tools in physiological studies of microbial biofilms
Publication: Research - peer-review › Journal article – Annual report year: 1999

Establishment of new genetic traits in a microbial biofilm community
Publication: Research - peer-review › Journal article – Annual report year: 1998

In situ detection of gene transfer in a model biofilm engaged in degradation of benzyl alcohol
Publication: Research - peer-review › Journal article – Annual report year: 1998

In situ gene expression in mixed-culture biofilms: Evidence of metabolic interactions between community members
Publication: Research - peer-review › Journal article – Annual report year: 1998

New unstable variants of green fluorescent protein for studies of transient gene expression in bacteria
Publication: Research - peer-review › Journal article – Annual report year: 1998

Serratia liquefaciens swarm cells exhibit enhanced resistance to predation by Tetrahymena sp.
Publication: Research - peer-review › Journal article – Annual report year: 1998

Identification of a Bacillus subtilis secretion mutant using a ß-galactosidase screening procedure
Publication: Research - peer-review › Journal article – Annual report year: 1995

Bacillus subtilis PrsA is required in vivo as an extracytoplasmic chaperone for secretion of active enzymes synthesized either with or without pro-sequences
Publication: Research - peer-review › Journal article – Annual report year: 1993

Further evidence of long distance airborne transmission of Aujeszky's disease (pseudorabies) virus
Publication: Research - peer-review › Journal article – Annual report year: 1993

Projects:

Effect of bovine milk oligosaccharides on infant microbiota
Project

Nutritional Immunology
Project

Nutritional Immunology
Project

Prebiotics for Prevention of Gastrointestinal Infections
Project

Influence of Food Environment on the infective potential of Listeria
Project

Influence of food environment on the infective potential of Listeria monocytogenes
Project

Activity and environmental properties of microbial pesticides for control of root pathogenic microfungi in sugar beet
Project
Impact of small molecule mediated cell-cell communication on the efficacy of inoculant bacteria in the rhizosphere

Project

Bacterial physiology in biofilms

Project

Activities:

An epizootic of pseudorabies in Denmark: epizootiological investigations providing further evidence of long distance airborne transmission of virus

Activity: Talks and presentations › Conference presentations