Hanne Frøkiær - DTU Orbit (10/02/2018)

Hanne Frøkiær

Publications:

**A Maternal Gluten-Free Diet Reduces Inflammation and Diabetes Incidence in the Offspring of NOD Mice**
Publication: Research - peer-review › Journal article – Annual report year: 2014

**Postnatal amniotic fluid intake reduces gut inflammatory responses and necrotizing enterocolitis in preterm neonates**
Publication: Research - peer-review › Journal article – Annual report year: 2013

**Comparative analysis of a large panel of non-starch polysaccharides reveals structures with selective regulatory properties in dendritic cells**
Publication: Research - peer-review › Journal article – Annual report year: 2010

**The complexity of the murine microbiota influences the important recruitment of immune cells in early life**
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

**Milk Bioactives to Prevent Gut Inflammation**
Publication: Research › Ph.D. thesis – Annual report year: 2010

**Bifidobacterium bifidum Actively Changes the Gene Expression Profile Induced by Lactobacillus acidophilus In Murine Dendritic Cells**
Publication: Research - peer-review › Journal article – Annual report year: 2010

**CD4+ T‐cell activation is differentially modulated by bacteria‐primed dendritic cells, but is generally down‐regulated by n‐3 polyunsaturated fatty acids**
Publication: Research - peer-review › Journal article – Annual report year: 2010

**Dietary fibers as immunoregulatory compounds in health and disease**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

**Lactobacillus acidophilus induces a slow but more sustained chemokine and cytokine response in naive foetal enterocytes compared to commensal Escherichia coli**
Publication: Research - peer-review › Journal article – Annual report year: 2010

**Lactobacillus acidophilus induces virus immune defence genes in murine dendritic cells by a Toll-like receptor-2-dependent mechanism**
Publication: Research - peer-review › Journal article – Annual report year: 2010

**Tarmens Mikrobiota og Immunsystem**
Publication: Research › Book chapter – Annual report year: 2010

**Pseudomonas aeruginosa quorum-sensing signal molecules interfere with dendritic cell-induced T-cell proliferation**
Publication: Research - peer-review › Journal article – Annual report year: 2009

**Reduced ex Vivo Interleukin-6 Production by Dietary Fish Oil Is Not Modified by Linoleic Acid Intake in Healthy Men**
Publication: Research - peer-review › Journal article – Annual report year: 2009

**Whole-blood culture is a valid low-cost method to measure monocytic cytokines - A comparison of cytokine production in cultures of human whole-blood, mononuclear cells and monocytes**
Publication: Research - peer-review › Journal article – Annual report year: 2009
Dendritic Cells from Peyer’s Patches and Mesenteric Lymph Nodes Differ from Spleen Dendritic Cells in their Response to Commensal Gut Bacteria
Publication: Research - peer-review › Journal article – Annual report year: 2008

Dietary soya saponins increase gut permeability and play a key role in the onset of soyabean-induced enteritis in Atlantic salmon (Salmo salar L.)
Publication: Research - peer-review › Journal article – Annual report year: 2008

Effect on dendritic cells of aloe vera and pomme granate products from Forever Living Products
Publication: Research › Report – Annual report year: 2008

Fish oil in combination with high or low intakes of linoleic acid lowers plasma triacylglycerols but does not affect other cardiovascular risk markers in healthy men
Publication: Research - peer-review › Journal article – Annual report year: 2008

Tarmfloras betydning for immunforsvaret kortlægges
Publication: Communication › Journal article – Annual report year: 2008

The effects of fish oil and high or low linoleic acid intake on fatty acid composition of human peripheral blood mononuclear cells
Publication: Research - peer-review › Journal article – Annual report year: 2008

Toll-like receptor 2 and nucleotide-binding oligomerization domain-2 play divergent roles in the recognition of gut-derived lactobacilli and bifidobacteria in dendritic cells
Publication: Research - peer-review › Journal article – Annual report year: 2008

Immunomodulatory properties of probiotic bacteria: Effects on dendritic cells and their interactions with NK cells and T cells
Publication: Research › Ph.D. thesis – Annual report year: 2007

Monoclonal antibody-based Surface Plasmon Resonance sensors for pathogen detection
Publication: Research › Ph.D. thesis – Annual report year: 2007

Bakteriefloraen i tarmen afbalancerer immunsystemet: Den rigtige bakterieflora i tarmen kan modvirke allergi og inflammatoriske sygdomme
Publication: Communication › Journal article – Annual report year: 2007

Detection of Fungal Spores Using a Generic Surface Plasmon Resonance Immunoassay
Publication: Research - peer-review › Journal article – Annual report year: 2007

Dietary fibres differentially modulate the bacterially induced maturation of dendritic cells
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2007

Dietary fibres differentially modulate the TLR-induced maturation of dendritic cells
Publication: Research › Sound/Visual production (digital) – Annual report year: 2007

Distinct gut-derived lactic acid bacteria elicit divergent dendritic cell-mediated NK cell responses
Publication: Research › peer-review › Journal article – Annual report year: 2007

Epithelial cells prime the immune response to an array of gut-derived commensals towards a tolerogenic phenotype through distinct actions of thymic stromal lymphopoietin and transforming growth factor-beta
Publication: Research - peer-review › Journal article – Annual report year: 2007
Epithelial cells prime the immune response to an array of gut-derived commensals towards a tolerogenic phenotype through the distinct action of thymic stromal lymphopoietin and transforming growth factor beta
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2007

Fish oil supplementation modulates immune function in healthy infants
Publication: Research - peer-review › Journal article – Annual report year: 2007

Human antigen-presenting cells respond differently to gut-derived probiotic bacteria but mediate similar strain-dependent NK and T cell activation
Publication: Research - peer-review › Journal article – Annual report year: 2007

Influence of gut microbiota on immunological maturation in infancy
Publication: Research - peer-review › Journal article – Annual report year: 2007

Monoclonal antibodies for the detection of Puccinia striiformis urediniospores
Publication: Research - peer-review › Journal article – Annual report year: 2007

Probiotic bacteria interact differently with dendritic cells from gut and spleen
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2007

Production of recombinant peanut allergen Ara h 2 using Lactococcus lactis
Publication: Research - peer-review › Journal article – Annual report year: 2007

Kan kosten påvirke vores risiko for at udvikle allergi?
Publication: Communication › Journal article – Annual report year: 2007

Proteome-analysis of gut bacteria-matured dendritic cells
Publication: Research - peer-review › Poster – Annual report year: 2007
Saponin-containing subfractions of soybean molasses induce enteritis in the distal intestine of Atlantic salmon
Publication: Research - peer-review › Journal article – Annual report year: 2007

The effects of fish oil combined with high and low PUFA intake on tissue fatty acid composition and cardiovascular risk markers in healthy men
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2007

The potential of gut bacteria-matured DCs to activate CD4+ T cells highly depends on the lipid composition of the T cell membrane
Publication: Research › Sound/Visual production (digital) – Annual report year: 2007

The potential of gut bacteria-matured DCs to activate CD4+ T cells highly depends on the lipid composition of the T cell membrane
Publication: Research › Conference abstract in journal – Annual report year: 2007

Assessment of Lupin Allergenicity in the Cholera Toxin Model: Induction of IgE Response Depends on the Intrinsic Properties of the Conglutins and Matrix Effects
Publication: Research - peer-review › Journal article – Annual report year: 2006

A Surface Plasmon Resonance Immunobiosensor for Detection of Phytophthora infestans
Publication: Research - peer-review › Poster – Annual report year: 2006

A Surface Plasmon Resonance Immunosensor for Detection of urediniospores from Puccinia striiformis f. sp. tritici
Publication: Research - peer-review › Poster – Annual report year: 2006

Different kinetic in incorporation and depletion of n-3 fatty acids in erythrocytes and leukocytes of mice
Publication: Research - peer-review › Journal article – Annual report year: 2006

Distinct Gut-Derived Bacteria Differentially Affect Three Types of Antigen-Presenting Cells and Impact on NK- and T-Cell Responses
Publication: Research - peer-review › Poster – Annual report year: 2006

Early nutrition and immunity - progress and perspectives
Publication: Research - peer-review › Journal article – Annual report year: 2006

Effects of dietary fatty acids on T-cell responses induced by dendritic cells
Publication: Research - peer-review › Poster – Annual report year: 2006

Fish oil affects immune function in 9 to 12 month old infants
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2006

Immunogenicity of κ-Casein and Glycomacropeptide
Publication: Research - peer-review › Journal article – Annual report year: 2006

Immunomodulating potential of supplementation with probiotics: a dose-response study in healthy young adults
Publication: Research - peer-review › Journal article – Annual report year: 2006

Lactic Acid Bacteria Inducing a Weak Interleukin-12 and Tumor Necrosis Alpha Response in Human Dendritic Cells Inhibit Strongly Stimulating Lactic Acid Bacteria but Act Synergistically with Gram-Negative Bacteria
Publication: Research - peer-review › Journal article – Annual report year: 2006

Nutrigenomics - Ernæringsforskningens nye redskab
Publication: Communication › Journal article – Annual report year: 2006
Soyasaponins resist extrusion cooking and are not degraded during gut passage in Atlantic salmon (Salmo salar L.)
Publication: Research - peer-review › Journal article – Annual report year: 2006

A Generic Method for Fungal Spore Detection: The use of a monoclonal antibody and surface plasmon resonance
Publication: Research › Poster – Annual report year: 2005

Characterization of a large panel of lactic acid bacteria derived from the human gut for their capacity to polarize dendritic cells
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2005

Combinatorial effects of dietary fatty acids and probiotics on T-cell responses induced by dendritic cells
Publication: Research - peer-review › Poster – Annual report year: 2005

Dietary lectins and the immune response.
Publication: Research - peer-review › Book chapter – Annual report year: 2006

Dietary oil emulsions enhance the absorption of antive food allergens without effecting oral tolerance induction unless lipopolysaccharide is present
Publication: Research › Sound/Visual production (digital) – Annual report year: 2005

Effect of maternal dietary cow’s milk on the immune response to beta-lactoglobulin in the offspring: A four generation study in mice
Publication: Research - peer-review › Journal article – Annual report year: 2005

Effect of prior dietary exposure to cow’s milk protein on antigen-specific and nonspecific cellular proliferation in mice
Publication: Research - peer-review › Journal article – Annual report year: 2005

Effects of lactic acid bacteria
Publication: Research - peer-review › Book chapter – Annual report year: 2005

Fish oil supplementation of lactating mothers affects cytokine production in 2½-year-old children
Publication: Research - peer-review › Journal article – Annual report year: 2005

Lupin allergenicity explored in the cholera toxin model of food allergy
Publication: Research › Article in proceedings – Annual report year: 2005

Maternal transfer of oral tolerance to ingested soy proteins
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2005

Milk-derived GM3 and GD3 differentially inhibit dendritic cell maturation and effector functionalities
Publication: Research - peer-review › Journal article – Annual report year: 2005

Natural Killer Cells are Activated by Lactic Acid Bacteria-Matured Dendritic Cells
Publication: Research - peer-review › Poster – Annual report year: 2005

Post-weaning maintenance of oral tolerance to β-lactoglobulin: the importance of antigen presence in the diet
Publication: Research - peer-review › Poster – Annual report year: 2005

Sialic acid-containing milk proteins show differential Immunomodulatory activities Independently of sialic acid
Publication: Research - peer-review › Journal article – Annual report year: 2005
The degree and nature of glycomacropeptide association is dependent on whether the peptide is free or restricted in -
casein
Publication: Research - peer-review › Journal article – Annual report year: 2005

What about the possible allergenicity of lupin?
Publication: Research - peer-review › Journal article – Annual report year: 2005

Det vi spiser påvirker vores immunforsvar – men hvordan?
Publication: Research › Journal article – Annual report year: 2004

Dietary oil emulsions enhance the absorption of native food allergens without affecting oral tolerance induction unless
lipopolysaccharide is present
Publication: Research - peer-review › Poster – Annual report year: 2004

Health promoting compounds in vegetables and fruits: A systematic approach for identifying plant components with impact
on human health
Publication: Research - peer-review › Journal article – Annual report year: 2004

Immune response in mice to ingested soya protein: antibody production, oral tolerance and maternal transfer
Publication: Research - peer-review › Journal article – Annual report year: 2004

Lactic Acid Bacteria Differentially Activate Natural Killer Cells
Publication: Research - peer-review › Poster – Annual report year: 2004

Lactobacilli Differentially Activate Natural Killer Cells
Publication: Research - peer-review › Poster – Annual report year: 2004

Lactobacilli Modulate Natural Killer Cell Responses In Vitro
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2004

Lipopolysaccharide contamination of beta-lactoglobulin affects the immune response against intraperitoneally and orally
administered antigen
Publication: Research - peer-review › Journal article – Annual report year: 2004

Natural Killer Cells Are Activated by Lactic Acid Bacteria-Matured Dendritic Cells
Publication: Research - peer-review › Poster – Annual report year: 2004

Antigenic specificity of serum antibodies in mice fed soy protein
Publication: Research - peer-review › Journal article – Annual report year: 2003

Experimental parameters differentially affect the humoral response of the cholera-toxin-based murine model of food
allergy
Publication: Research - peer-review › Journal article – Annual report year: 2003

Immunomodulatory effects induced by endotoxin present in some commercial β-lactoglobulin preparations
Publication: Research - peer-review › Poster – Annual report year: 2003

Immunostimulatory Potential of β-Lactoglobulin Preparations: Effects Caused by Endotoxin Contamination
Publication: Research - peer-review › Journal article – Annual report year: 2003
Low-dose oral tolerance due to antigen in the diet suppresses differentially the cholera toxin-adjuvantized IgE, IgA and IgG response
Publication: Research - peer-review › Journal article – Annual report year: 2003

Reduction of immunoreactivity of bovine beta-lactoglobulin upon combined physical and proteolytic treatment
Publication: Research - peer-review › Journal article – Annual report year: 2003

The oral immunogenicity of BioProtein, a bacterial single-cell protein, is affected by its particulate nature
Publication: Research - peer-review › Journal article – Annual report year: 2003

Induction of oral tolerance with micro-doses of ovomucoid depends on the length of the feeding period
Publication: Research - peer-review › Journal article – Annual report year: 2002

Lactobacilli differentially modulate expression of cytokines and maturation surface markers in murine dendritic cells
Publication: Research - peer-review › Journal article – Annual report year: 2002

Modulation of ovomucoid-specific oral tolerance in mice fed plant extracts containing lectins
Publication: Research - peer-review › Journal article – Annual report year: 2002

Proteolysis of bovine beta-lactoglobulin during thermal treatment in subdenaturing conditions highlights some structural features of the temperature-modified protein and yields fragments with low immunoreactivity
Publication: Research - peer-review › Journal article – Annual report year: 2002

Sialinsyreholdige mælkeproteiner – Har strukturen betydning for den biologiske aktivitet?
Publication: Research › Journal article – Annual report year: 2002

Abolishment of maternally induced oral tolerance to β-lactoglobulin in adult mice by feeding a milk-free diet from weaning
Publication: Research › Sound/Visual production (digital) – Annual report year: 2001

Influence of the diet on the specific immune response against soy proteins in mice
Publication: Research - peer-review › Poster – Annual report year: 2001

Processing: impacts on seed nutrition value: scientific, technological, and economical aspects
Publication: Research › Article in proceedings – Annual report year: 2001

Transfer of tolerance to β-lactoglobulin from mothers to offspring: A four generation study in mice
Publication: Research - peer-review › Poster – Annual report year: 2001

Analysis of immuno-modulating capacity of peptides from bovine β-casein
Publication: Research › Sound/Visual production (digital) – Annual report year: 2000

Kvantitering af proteiner
Publication: Research - peer-review › Book chapter – Annual report year: 2000

Comparison of influence from soybean and pea prtoenase inhibitors on the in vivo and in vitro digestibility of a casein based diet
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

Influence of industrial processing of peas on the content of antinutritional factors and the in vitro digestibility
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998
Protein modification by fermentation: Effect of fermentation on the potential allergenicity of pea
Publication: Research - peer-review › Conference article – Annual report year: 1998

The influence of plant lectins on immune response
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

Development of a monoclonal antibody to urinary degradation products from the C-terminal telopeptide alpha 1 chain of type I collagen. Application in an enzyme Immunoassay and comparison to CrossLaps(TM) ELISA.
Publication: Research - peer-review › Journal article – Annual report year: 1997

Controversial aspects in the pathophysiology of duodenal ulcer. Response. (Correspondence)
Publication: Research - peer-review › Journal article – Annual report year: 1996

Gastric bicarbonate secretion and release of prostaglandin E2 are increased in duodenal ulcer patients, but not in Helicobacter pylori positive healthy subjects.
Publication: Research - peer-review › Journal article – Annual report year: 1996

Heat inactivation kinetics of the two Trypsin inhibitors during high-temperature-short-time processing of soymilk
Publication: Research › Journal article – Annual report year: 1996

Identification of IgE-binding egg white proteins: Comparisons of results obtained by different methods
Publication: Research - peer-review › Journal article – Annual report year: 1996

Modelling affinity maturation in germinal centers.
Publication: Research - peer-review › Journal article – Annual report year: 1996

Projects:

Regulation of Host Metabolism by the Gut Microbiota
Project: PhD

Colostrum for gut protection and recovery
Project: PhD

Impact of Colonization on Immune System Development
Project: PhD

The Influence of the Physical Properties of Lipid-Formulations on the Developing Immune System in Early Life
Project: PhD

Impact of Colonization on Immune System Development
Project: PhD

Milk Bioactives to Prevent Gut Inflammation
Project: PhD

Nutritional Immunology
Project

Effects of bacterial colonization on immune maturation
Project
Prebiotics for Prevention of Gastrointestinal Infections

System Biological Studies of the Immune Modulation Effects of Probiotics

Creation of a database of dangerous organisms

Structure Based Antigen Prediction

Utilization of Soy Products as a Protein Source for Rainbow Trout and Atlantic Salmon

Anvendelse af Mælkeseyrebakterier til Vaccinefremstilling

Allergy and infant nutrition

Immunomodulating Properties of Probiotic Bacteria

Udvikling af biosensor til detektion af svampesporer

Prediction of technological and sensory quality of trout

Anti-nutritional factors in soy products and their effect on atlantic salmon performance

Probiotiske bakterier : belysning af interaktioner med det cellulære immunsystem, stimulering af tarmepitelets forsvarsmechanismer og gavnlig indvirkning på spædbørns immunstatus, tarmslimhinde og dermed sundhed

Probio Tec BCV cap

Optimised processes for preparing healthy and added value food ingredients from Lupin kernels, the European protein-rich grain legume

Bakterial Adhæsion og Biofilmformulering: Global Gen Ekspression

Marint fedt i Vestgrønland - Human ernæring og trofiske relationer
The Role of T Regulatory Cells 1 in Specific Immunotherapy
Project: PhD

Sialinsyreholdige melkeproteiner - relationer mellem struktur og funktion
Project: PhD

In vivo studier af kødproteiners og -lipiders indvirken på intestinal jernabsorption
Project: PhD

New downstream processing of antibodies
Project: PhD

Biologisk aktive kostkomponenters betydning for Immunforsvarets celler - naturlige komponenter i unaturlige sammensætninger
Project: PhD

Karakterisering af immun-modulerende komponenter i mælk
Project: PhD

Characterization of immune stimulating components in milk
Project

Immune analyses
Project

Udvikling af en cellebaseret. Skal have 4 klip i oktober 2000.
Project: PhD

NUTRIPEA
Project

Characterisation of hypoallergenic milk formulas
Project

Allergenicity of food
Project