Ulrik Boas - DTU Orbit (19/07/2017)
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Innate Immunology

Publications:

Binding of hydrophobic antigens to surfaces
Boas, U. 16 Mar 2017
Publication: Research › Patent – Annual report year: 2017

A multiplexed immunoassay for simultaneous detection of antibodies to PRRSV, Actinobacillus pleuropneumoniae and Salmonella in pigs
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Anthelmintic activity of chicory (Cichorium intybus): in vitro effects on swine nematodes and relationship to sesquiterpene lactone composition
Publication: Research - peer-review › Journal article – Annual report year: 2016

Anthelmintic activity of forage chicory (Cichorium intybus) and field efficacy of ivermectin against gastrointestinal nematodes in Danish cattle
Publication: Research › Ph.D. thesis – Annual report year: 2016

Design, synthesis and characterization of polylysine dendrones for biomedical applications
Publication: Research › Ph.D. thesis – Annual report year: 2016

Preparation and self-assembly of amphiphilic polylysine dendrons
Publication: Research - peer-review › Journal article – Annual report year: 2016

Anthelmintic activity of sesquiterpene lactones from forage chicory against Ascaris suum
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Convergent synthesis of degradable dendrons based on L-malic acid
Publication: Research - peer-review › Journal article – Annual report year: 2015

Coping with anthelmintic resistance in ruminants: the potential use of chicory (Cichorium intybus) as an antiparasitic forage in cattle
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015
Purified extracts from chicory (Cichorium intybus) inhibit Ascaris suum glutathione-S transferase activity and reduce survival of larvae in vitro


Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Sesquiterpene lactone-containing extracts from two chicory cultivars show different anthelmintic activity in vitro against Ostertagia ostertagi


Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Sesquiterpene lactone containing extracts from two cultivars of forage chicory (Cichorium intybus) show distinctive chemical profiles and in vitro activity against Ostertagia ostertagi


Publication: Research - peer-review › Journal article – Annual report year: 2015

Urea and thiourea modified polypropyleneimine dendrimers clear intracellular α-synuclein aggregates in a human cell line


Publication: Research - peer-review › Journal article – Annual report year: 2015
Dendrimers for Vaccine and Immunostimulatory Uses: A Review
Heegaard, P. M. H., Boas, U. & Sørensen, N. S. 2010 In : Bioconjugate Chemistry. 21, 3, p. 405-418

A robust quantitative solid phase immunoassay for the acute phase protein C-reactive protein (CRP) based on cytidine 5'-diphosphocholine coupled dendrimers

Backbone Amide Linker in Solid-Phase Synthesis

Dendrimer based vaccine adjuvants

IMMUNOSTIMULATORY PROPERTIES OF DENDRIMERS MULTIVALENTLY PRESENTING MURAMYLDIPEPTIDE
Sørensen, N. S., Boas, U. & Heegaard, P. M. H. 2009

A new efficient synthesis of isothiocyanates from amines using di-tert-butyl dicarbonate

Dendrimers as scaffolds for immune stimulating motifs, a new approach to molecular adjuvants
Boas, U. 2008

Dendrimers destabilize proteins in a generation-dependent manner involving electrostatic interactions

Dendrimers for multivalent display of immune modulating motifs
Boas, U. 2008

Molecular adjuvants using PAMP motifs: concept and methodology and effects on pig PBMCs
Sørensen, N. S., Boas, U. & Heegaard, P. M. H. 2008

THAL, a Sterically Unhindered Linker for the Solid-Phase Synthesis of acid sensitive protected peptide acids

The dendrimer-PAMP concept as a novel type of adjuvant
Boas, U. 2008
Towards molecular adjuvants and vaccines based on dendrimers
Boas, U. 2008
Publication: Research › Sound/Visual production (digital) – Annual report year: 2008

Towards molecular adjuvants and vaccines based on dendrimers
Boas, U. 2008
Publication: Research › Conference abstract for conference – Annual report year: 2008

Dendrimer effects on peptide and protein fibrillation
Publication: Research - peer-review › Journal article – Annual report year: 2007

Dendrimers as scaffolds for immune-stimulatory motifs: A new class of well-defined molecular adjuvants
Sørensen, N. S., Boas, U., Skovgaard, K., Jungersen, G. & Heegaard, P. M. H. 2007
Publication: Research - peer-review › Journal article – Annual report year: 2007

New guanidino- and urea modified dendrimers as potent solubilizers of misfolded prion protein aggregates at non-cytotoxic concentration. Dependence on dendrimer generation and surface charge
Publication: Research - peer-review › Journal article – Annual report year: 2007

S-((5-Formyl-3,4-ethylenedioxy)thiophene-2-yl)-3-propionic acid: Relationship between low formyl group reactivity and crystal structure
Publication: Research - peer-review › Journal article – Annual report year: 2007

A robust, species cross-reactive, dendrimer based immunoassay for C-reactive protein with high sensitivity
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

Carbocations in action. Design, synthesis and evaluation of a highly acid sensitive naphthalene based backbone amide linker for solid phase synthesis
Pittelkow, M., Boas, U. & Christensen, J. B. 2006 In : Organic Letters. 8, p. 5817-5820
Publication: Research - peer-review › Journal article – Annual report year: 2006
Dendrimer based anti-infective and anti-inflammatory drugs
Publication: Research › Journal article – Annual report year: 2006

Dendrimers: design, synthesis and chemical properties
Boas, U., Christensen, J. B. & Heegaard, P. M. H. 2006 In : Journal of Materials Chemistry. 16, 38, p. 3785-3798
Publication: Research - peer-review › Journal article – Annual report year: 2006

Dendrimers in medicine and biotechnology. New molecular tools
Publication: Research - peer-review › Book – Annual report year: 2006

Thiophene backbone amide linkers, a new class of easily prepared and highly acid-labile linkers for solid-phase synthesis
Publication: Research - peer-review › Journal article – Annual report year: 2006

The role of the peri-effect in synthesis and reactivity of highly substituted naphthaldehydes: Novel backbone amide linkers for solid-phase synthesis
Publication: Research - peer-review › Journal article – Annual report year: 2005

Alkoxy substituted naphthalene carboxaldehydes (NAL), novel backbone amide handles for solid-phase synthesis
Boas, U., Christensen, J. B. & Jensen, K. 2004 In : Journal of Combinatorial Chemistry. 6, p. 497-503
Publication: Research - peer-review › Journal article – Annual report year: 2004

Amyloid aggregates of the prion peptide PrP106-126 are destabilised by oxidation and by the action of dendrimers
Publication: Research - peer-review › Journal article – Annual report year: 2004

DENDRIMER CONJUGATES FOR SELECTIVE OF PROTEIN AGGREGATES
Heegaard, P. M. H. & Boas, U. 2004
Publication: Research › Patent – Annual report year: 2004

Dendrimers in drug research
Boas, U. & Heegaard, P. M. H. 2004 In : Chemical Society Reviews. 33, 1, p. 43-63
Publication: Research - peer-review › Journal article – Annual report year: 2004

Facile synthesis of aliphatic isothiocyanates and thioureas on solid phase using peptide coupling reagents
Publication: Research - peer-review › Journal article – Annual report year: 2004

PREPARATION OF CHEMICALLY WELL-DEFINED CARBOHYDRATE DENDRIMER CONJUGATES
Heegaard, P. M. H. & Boas, U. 2004
Publication: Research › Patent – Annual report year: 2004

TFFH as an excellent reagent for acylation of alcohols, thiols and dithiocarbamates
Publication: Research - peer-review › Journal article – Annual report year: 2004

A highly acid-labile thiophene backbone amide linker: T-BAL
Photochemical immobilization of anthraquinone conjugated oligonucleotides and PCR amplicons on solid surfaces
Publication: Research - peer-review › Journal article – Annual report year: 2000

Serological detection of antibodies against Salmonella polysaccharides in ELISA employing a new method for coupling of polysaccharides
Publication: Research - peer-review › Article in proceedings – Annual report year: 1999

Serological detection of antibodies against Salmonella polysaccharides in ELISA employing a new method for coupling polysaccharides
Publication: Research › Poster – Annual report year: 1999

Tetramethyl fluoroformamidinium hexafluorophosphate- an improved synthesis and some new uses
Publication: Research - peer-review › Journal article – Annual report year: 1998

New technology for covalent coupling of polysaccharide antigens in ELISA for serological surveillance
Publication: Research › Poster – Annual report year: 1997

Solid phase coupling of unprotected reducing carbohydrates to the N-terminus of peptides
Publication: Research - peer-review › Article in proceedings – Annual report year: 1996

A new synthesis of aliphatic isothiocyanates from primary amines, convenient for in situ use
Publication: Research - peer-review › Journal article – Annual report year: 1995

Projects:

New dendrimer-based immunomodulators
Mirsharghi, S., Boas, U., Heegaard, P. M. H., Aimald, K., Christensen, J. B. & Malkoch, M. 15/08/2013 → 01/12/2016
Project: PhD

Anthelmintic resistance in parasitic nematodes of Danish cattle: Detection and control with special focus on Bioactive Plants
Project: PhD

Chemoselective coupling of bacterial lipopolysaccharides for multiplex flow cytometry
Project