Karen Boutrup Stephansen - DTU Orbit (18/11/2018)

Boutrup Stephansen, Karen

Research outputs:

**Preparation and Characterization of an Oral Vaccine Formulation Using Electrosprayed Chitosan Microparticles**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Development of electrosprayed mucoadhesive chitosan microparticles**
Moreno, J. A. S., Mendes, A. C., Stephansen, K., Engwer, C., Goycoolea, F. M., Boisen, A., Nielsen, L. H. & Chronakis, I. S. 2018 In : Carbohydrate Polymers. 190, p. 240-247
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Development of carbohydrate-based nano-microstructures loaded with fish oil by using electrohydrodynamic processing**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Electrospinning of food proteins and polysaccharides**
Mendes, A. C. L., Boutrup Stephansen, K. & Chronakis, I. S. 2017 In : Food Hydrocolloids. 68, p. 53-68
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Innovative Methods and Applications in Mucoadhesion Research**
Research output: Research - peer-review › Review – Annual report year: 2017

**Electrospraying Chitosan Particles for Oral Vaccine Delivery**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

**Electrospraying particles for loading into microcontainers for drug delivery**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

**Encapsulation of fish oil in nanofibers by emulsion electrospinning: Physical characterization and oxidative stability**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Interactions between Surfactants in Solution and Electrospun Protein Fibers: Effects on Release Behavior and Fiber Properties**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Oxidative Stability of Nano-Microstructures containing fish oil**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016
Solution-blown nanofiber mats from fish sarcoplasmic protein
Sett, S., Boutrup Stephansen, K. & Yarin, A. L. 2016 In : Polymer. 93, p. 78-87
Research output: Research - peer-review › Journal article – Annual report year: 2016

Bioactive protein-based nanofibers interact with intestinal biological components resulting in transepithelial permeation of a therapeutic protein
Research output: Research - peer-review › Journal article – Annual report year: 2015

Design and characterization of self-assembled fish sarcoplasmic protein-alginate nanocomplexes
Research output: Research - peer-review › Journal article – Annual report year: 2015

Bioactive electrospun fish sarcoplasmic proteins as a drug delivery system
Research output: Research - peer-review › Journal article – Annual report year: 2014

Electrospun fish protein fibers as a biopolymer-based carrier – implications for oral protein delivery
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Oxidative stability of electrospun nanofibers loaded with fish oil
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Preparation of poly (caprolactone) micro-particles through solvent-induced phase separation
Research output: Research - peer-review › Journal article – Annual report year: 2012

Projects:
Development and characterization of nano-microstructures as carrier for bioactive compounds
Boutrup Stephansen, K., Jessen, F., Chronakis, I. S., Sloth, J. J., Fojan, P. & Sarmento, B.
Forskningsrådfinansiering
01/10/2011 → 02/09/2015
Project: PhD
FENAMI: Functional Electrospun Nanostructures and Microstructures for Food and Bioengineering Applications
Chronakis, I. S., Meyer, A. S., Qvortrup, K., Ye, L., Goycoolea, F., Nielsen, K. A., Jessen, F., Boutrup Stephansen, K., Jørgensen, L. & Mendes, A. C. L.
Danish Research Council/Programme Commission for "Sundhed, Fødevarer og Velfærd"
01/05/2011 → 31/10/2015
Project: Research
Activities:

Mucoadhesion: Principles, Testing Methods and Applications
Boutrup Stephansen, K. (Invited speaker)
2 Sep 2015 → 3 Sep 2015
Activity: Talks and presentations › Conference presentations

International Conference of the European Chitin Society
Boutrup Stephansen, K. (Participant)
30 Aug 2015 → 2 Sep 2015
Activity: Attending an event › Participating in or organising a conference

2015 Controlled Release Society Annual Meeting
Boutrup Stephansen, K. (Participant)
26 Jul 2015 → 29 Jul 2015
Activity: Attending an event › Participating in or organising a conference

Annual Meeting of the Controlled Release Society - Nordic
Boutrup Stephansen, K. (Speaker)
25 Jul 2015
Activity: Talks and presentations › Conference presentations

Composite, nanofabrication, food and pharma related application and packaging, controlled release
Boutrup Stephansen, K. (Speaker)
25 Mar 2015 → 27 Mar 2015
Activity: Talks and presentations › Conference presentations

2014 AAPS Annual Meeting and Exposition
Boutrup Stephansen, K. (Participant)
1 Nov 2014 → 6 Nov 2014
Activity: Attending an event › Participating in or organising a conference

Electrospinning: Exploiting Electrohydrodynamics and Rheology for the Control of Nanofiber Structural and Physical Properties
Boutrup Stephansen, K. (Participant)
1 Sep 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

3rd International Conference on Electrospinning
Boutrup Stephansen, K. (Participant)
4 Aug 2014 → 7 Aug 2014
Activity: Attending an event › Participating in or organising a conference
5th International Conference on Advanced Nano Materials
Boutrup Stephansen, K. (Speaker)
2 Jul 2014 → 4 Jul 2014
Activity: Talks and presentations › Conference presentations

Electrospinning, Principles, Possibilities and Practice 2013
Boutrup Stephansen, K. (Speaker)
5 Dec 2013 → 6 Dec 2013
Activity: Talks and presentations › Conference presentations