Programa de Pós-Graduação *stricto sensu* em Ciências Aplicadas a Produtos para Saúde

Data: 5 de outubro de 2017
Horário: 14h -16h30
Local: Auditório da Reitoria – Prédio da Reitoria bloco I

Palestras: Current Trends in Drug Delivery and Nanomedicine Engineering

- Nanomedicine – principles, EPR effect, applications and biodegradable polymers for drug delivery – Adam Bohr
- Amorphous solid dispersions with small molecules – Korbinian Lobmann
- Oral delivery of peptide/protein drugs – Jorrit Jeroen Water

Adam Bohr 	**Assistant professor, Pharmaceutical Technology and Engineering, Department of Pharmacy – University of Copenhagen** Adam's research interest include particle engineering, from fundamentals to therapeutic application. Engineering of drug-loaded nano- and microparticles with specific attributes using techniques such as microfluidics, electrospraying and spray drying. Investigation of particle formation processes via experimental and numerical methods. Pharmaceutical formulation design for pulmonary and oral administration. Formulation of poorly stable drugs such as siRNA, peptides and proteins using novel drug delivery and manufacturing technologies including microfluidics and 3D printing.
Korbinian Löbmann 	**Associate Professor, Pharmaceutical Design and Drug Delivery. Department of Pharmacy – University of Copenhagen** Korbinian Löbmann received his PhD degree from the University of Otago, Dunedin, New Zealand in 2013. After a short postdoctoral period of 5 month at the University of Copenhagen, he then obtained a position as Assistant Professor at the Department of Pharmacy, University of Copenhagen, Denmark in September 2013. His research interests are in formulation and physical characterization of solid drug delivery systems and in particular the development of enabling formulations for poorly water-soluble drugs. These include amorphous and in particular co-amorphous drug delivery systems as well as formulation strategies using novel excipients such as PEGosomes, cellulose nanofibers (CNF) and deep eutectic solvents (DES). The research aims to improve drug therapy and efficacy through appropriate formulation of medicines.
Jorrit Jeroen Water 	**Senior Research Scientist at Novo Nordisk A/S** Jorrit Jeroen Water received his PhD From the University of Copenhagen and worked as a researcher in the Department of Pharmacy at the University of Copenhagen. He is an expert in formulating nanoparticle based products for the delivery of drugs and peptides. Jorrit has a wide experience with microfluidics for the preparation of high yield nanoparticle formulations and in vivo formulation performance studies.