



Center for Biopharmaceuticals and
Biobarriers in Drug Delivery
&
Danish Pharmaceutical Society
The Biopharmaceutical Section



Oral delivery of biopharmaceuticals

May 31st 2018, 14.30-16.55

Benzon Auditorium, Department of Pharmacy, University of Copenhagen
Universitetsparken 2, Copenhagen

Biopharmaceuticals, such as peptides and proteins, including antibodies, are very attractive drug substances from a therapeutics perspective. Research within academia and the pharmaceutical industry is evolving and new treatments of severe, chronic and life-threatening diseases such as cancer, inflammation, and diabetes are evident. Due to their physicochemical properties, biopharmaceuticals are conventionally administered by injection although from a patient's perspective, oral administration is preferred. However, it is a huge challenge to develop an oral dosage form that efficiently delivers biopharmaceuticals to the absorption site in the gastro-intestinal tract and at the same time facilitates drug transport across various biological barriers. Currently, a lot of effort and research is concentrated on developing drug delivery systems that enable oral delivery of selected biopharmaceuticals. This meeting will highlight the current state within this research field discussing selected technologies and strategies.

Program

- 14:30 – 14:35** **Welcome and introduction**
Gitte Pommergaard Pedersen and Hanne Mørck Nielsen, Danish Pharmaceutical Society
- 14:35 – 15:00** **Challenges and approaches to investigating oral delivery of biopharmaceuticals**
Hanne Mørck Nielsen, Professor, Center for Biopharmaceuticals and Biobarriers in Drug Delivery, University of Copenhagen
- 15:00 – 15:40** **Achieving oral peptide delivery through use of formulation and nanotechnology approaches**
David Brayden, Professor, UCD School of Veterinary Medicine and UCD Conway Institute, University College Dublin
- 15:40 – 15:55** **Break with refreshments**
- 15:55 – 16.55** **Oral semaglutide: From bench to bedside**
Stephen Timothy Buckley, Head of Department, Discovery ADME, Global Research Technologies, Novo Nordisk A/S & Tine Aggerholm Bækdal, Clinical Pharmacology Specialist, Clinical Pharmacology – GLP-1 Diabetes & Haemophilia, Global Development, Novo Nordisk A/S

Registration no later than May 26th at www.farmaceutisk-selskab.dk
No entry fee, non-members are also welcome to participate in the meeting