

UNIVERSITY OF COPENHAGEN

Faculty of Health and Medical Sciences

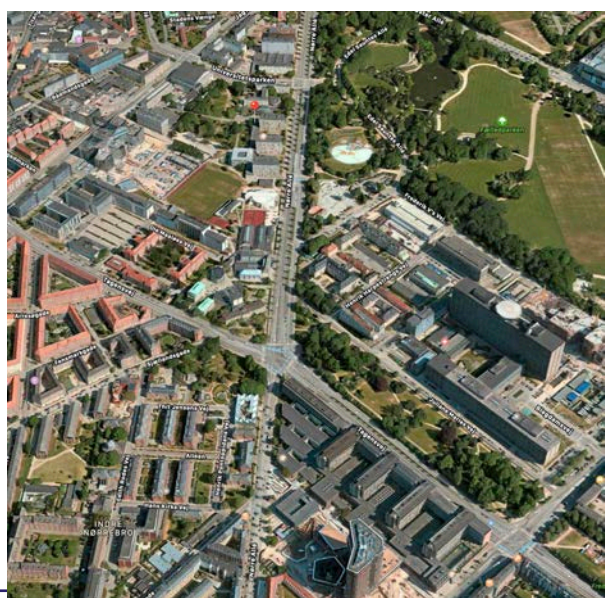
School of Pharmaceutical Sciences
Dept. of Pharmacy & Dept. of Drug Design and Pharmacology

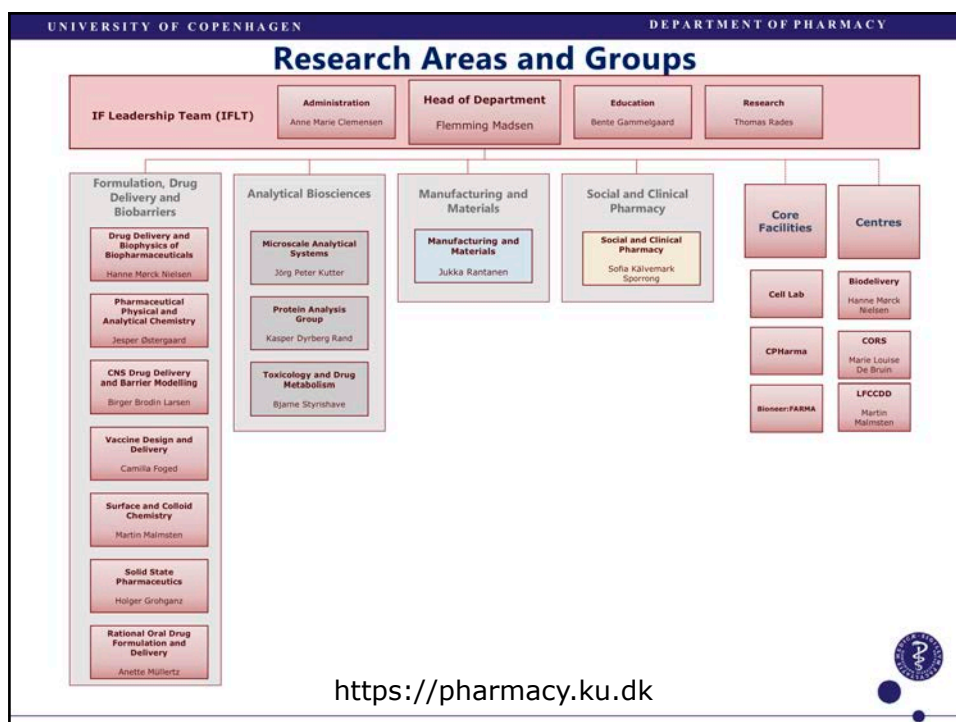
Faculty of Health and Medical Sciences
University of Copenhagen



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The North Campus – a biomedical hub





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LEO Foundation Center for Cutaneous Drug Delivery



<https://pharmacy.ku.dk/research/lfccdd>





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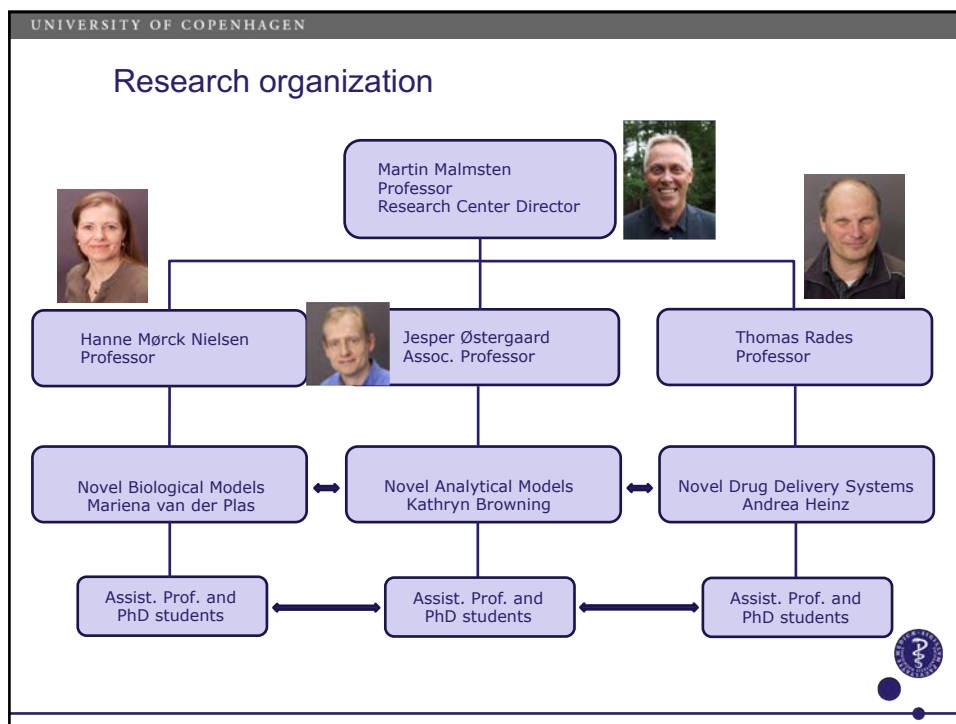
VISION

Within a 10-year period, LFCCDD should be recognized as an international excellence center within cutaneous delivery

Scientific platform
Built on integrative physicochemical approaches, including pharmaceuticals, as well as novel opportunities in nanotechnology, advanced analytical methodologies, and biological models.

Positioning
- Built on a 10-year funding base (LEO Foundation and University of Copenhagen).





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Center for Biopharmaceuticals and Biobarriers in Drug Delivery

The Vision and Mission

Our vision is to establish a world-class center for oral drug delivery of biopharmaceuticals. We will study how to overcome biological barriers by formulation design through interdisciplinary research collaborations.

The mission is to provide an improved fundamental understanding of novel methods pursuing oral delivery of biopharmaceuticals through tailoring of drug delivery systems and advanced assessment tools.

BioDelivery Center

Hanne Mørck Nielsen
Project leader, PI

Urs O. Häfeli
PI

Knud J. Jensen
PI, Dept. Chem., UCPH

Jesper Glückstad
PI, Dept. Photonics. Eng., DTU

novo nordisk fonden

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The Copenhagen Centre for Regulatory Science (CORS)

About the Centre

The Vision

The Copenhagen Centre for Regulatory Science (CORS) aims at being the international partner for academic leadership in regulatory science, research and education and to participate in building the regulatory framework that will make innovative medicinal products available to patients.

The Mission

The Copenhagen Centre for Regulatory Science will become a powerful Centre for Regulatory Science, influencing and conducting regulatory research and education in an international perspective. The research and education of the Centre makes a clear mark on regulatory decision-making – to the benefit of stakeholders such as patients, authorities, payers and industry.

Partners

University of Copenhagen

Faculty of Health and Medical Sciences:
 Dept. of Pharmacy
 Dept. of Drug Design and Pharmacology
 Dept. of Clinical Medicine
 Dept. of Public Health
 Biopeople

Faculty of Law:
 Centre for Information and Innovation Law

Faculty of Humanities:
 Dept. of Media, Cognition and Communication

Faculty of Social Sciences

Pharmaceutical Industry

Novo Nordisk A/S
 H. Lundbeck A/S
 Ferring Pharmaceuticals
 LEO Pharma A/S

Authorities

Danish Medicines Agency

<https://pharmacy.ku.dk/research/cors>

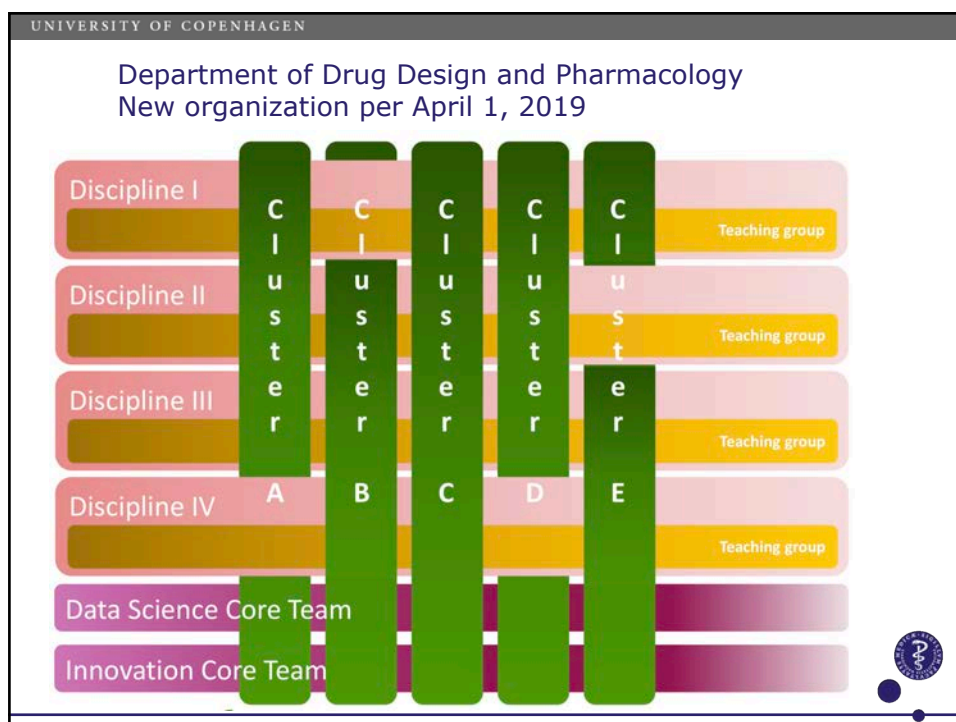
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Head of Unit
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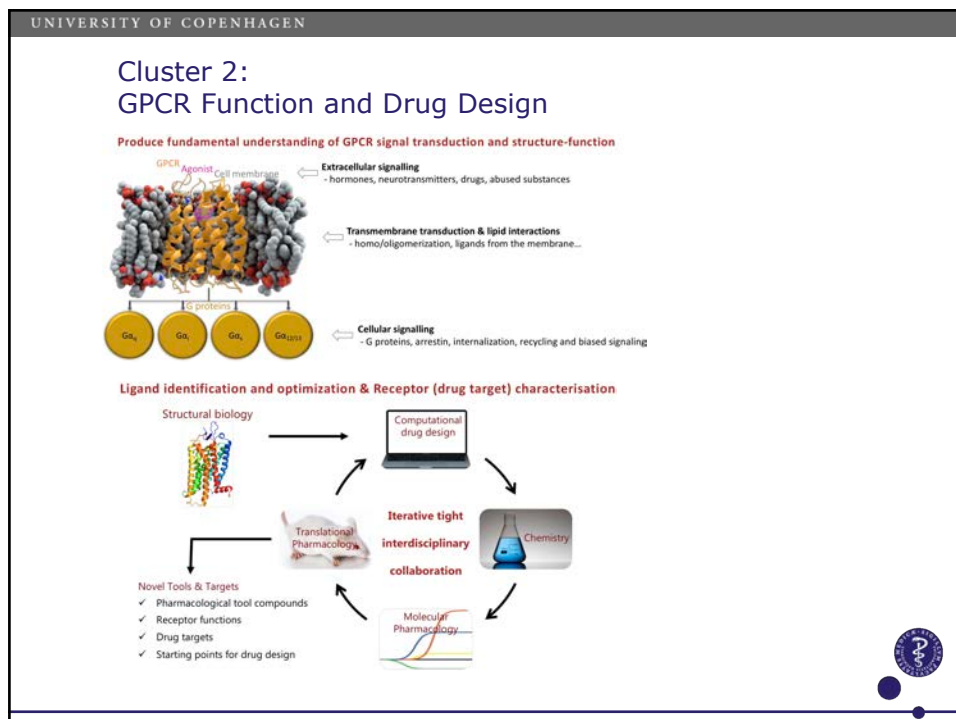
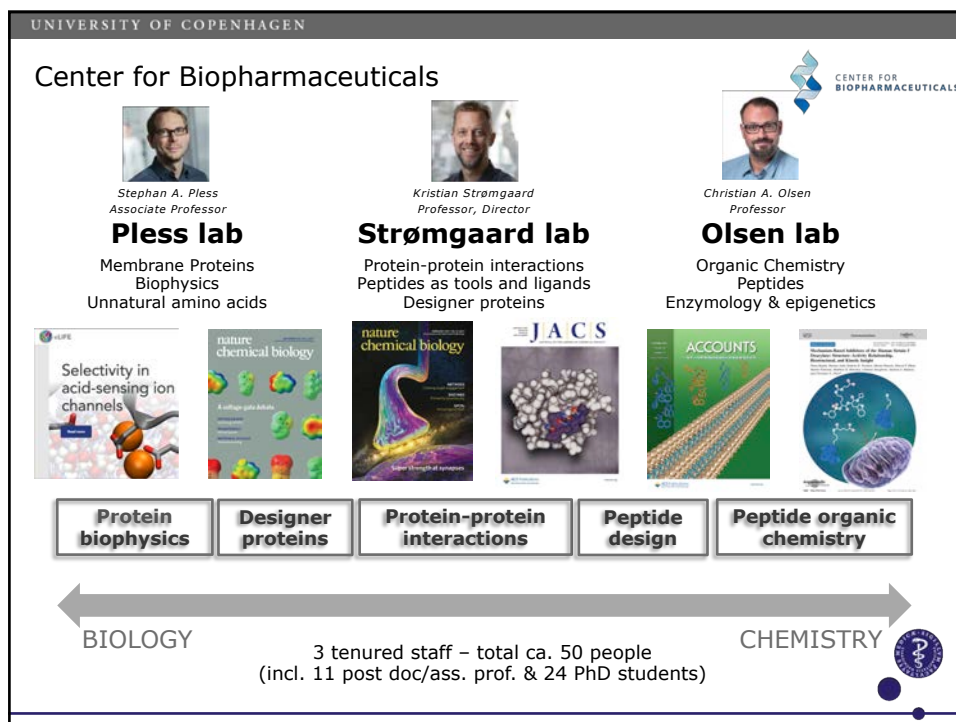



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Disciplines

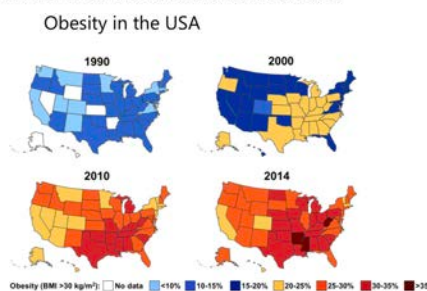
Translational Pharmacology



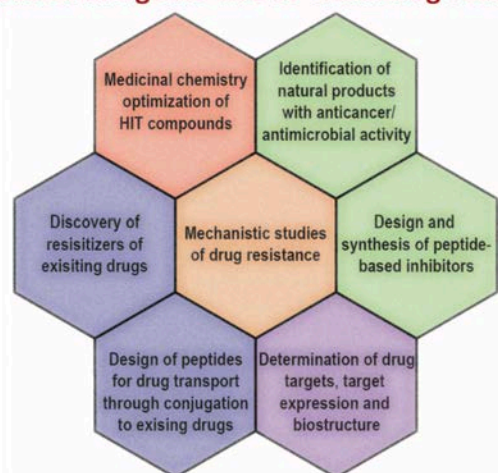
Cluster 3: Metabolism and Inflammation

- Create an environment for cutting-edge research on metabolism & inflammation
- Facilitate interdisciplinary collaborations between complementary research groups
- Contribute high-impact research to solve critical needs
 - Investigate biochemical processes
 - Identify and validate new targets
 - Provide tool compounds
 - Facilitate drug discovery



Cluster 4: Cancer and infectious diseases

Addressing the unmet need for novel anticancer and antibacterial agents due to multidrug resistance.



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Cluster 7: Personalized Medicine

“Bridging Molecules and Patients”

- Pharmacoepidemiology
- Population PK/PD modeling
- Clinical phenotyping
- Patient stratifications
- Patient-relevant disease models
- Big data and machine learning
- Omics healthcare data integration
- Molecular mechanistic profiling
- Computational & systems biology
- Chemoinformatics

