

MBG FOCUS TALK

hosted by Poul Nissen



Friday 30 June from 11:00-12:00

Venue: MBG auditorium (1871-120)
Dept. Molecular Biology and Genetics, Aarhus University
Universitetsbyen 81, 8000 Aarhus C

By Henriette Autzen

University of Copenhagen,
Department of Biomedical Sciences
Research Theme in Molecular and Translational Pharmacology



Native nanodisc technology and how polymers may be used for structural and functional characterization of membrane proteins

Membrane proteins are essential components of cell membranes, critical in cell communication, and important drug targets.

Extracting membrane proteins from lipid membranes is the major bottleneck in their biochemical characterization and is typically carried out with detergents.

We have developed a new series of amphipathic polymers that enable detergent-free isolation and purification of membrane proteins with endogenous lipids in so-called “native nanodiscs”.

I will present our latest research on the native nanodisc technology and discuss how we may use our polymers for structural and functional characterization of membrane proteins.

Everyone interested is very welcome to attend.