

Membrane transporters in neuroscience and drug discovery

DANDRITE

Nissen laboratory

PUMPkin

Dept. of Molecular Biology and Genetics, Gustav Wieds Vej 10C

Section for Structural Biology

DANDRITE – Nordic-EMBL Partnership for Molecular Medicine

Research areas

Membrane proteins

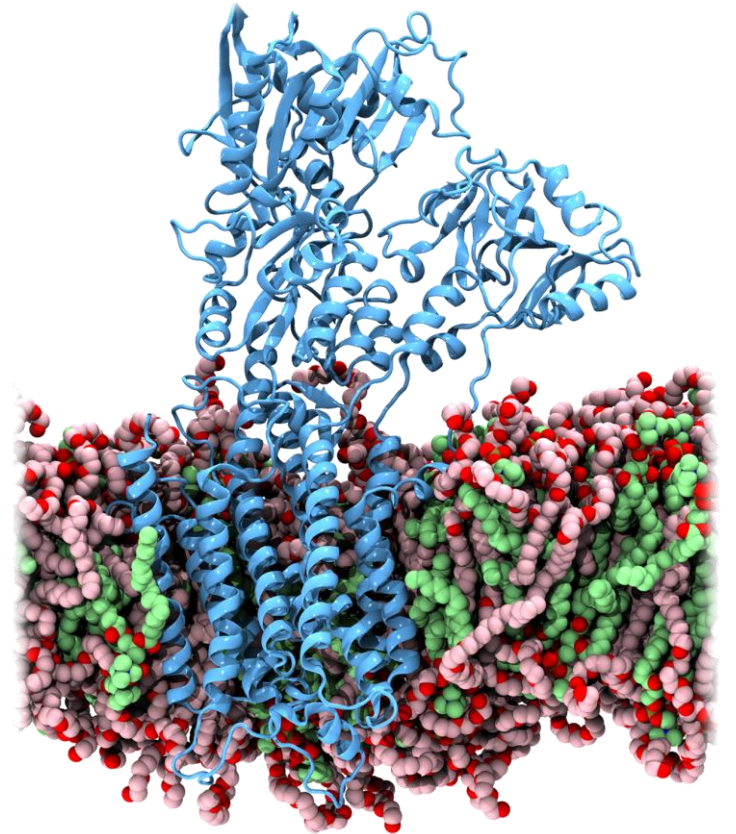
Membrane transport

Crystallography

Electron microscopy (cryoEM)

Biochemistry

Drug discovery



Research topics

Na⁺,K⁺-ATPase – neurotransmission, neurobiology

Ca²⁺-ATPases – calcium signaling, neurobiology

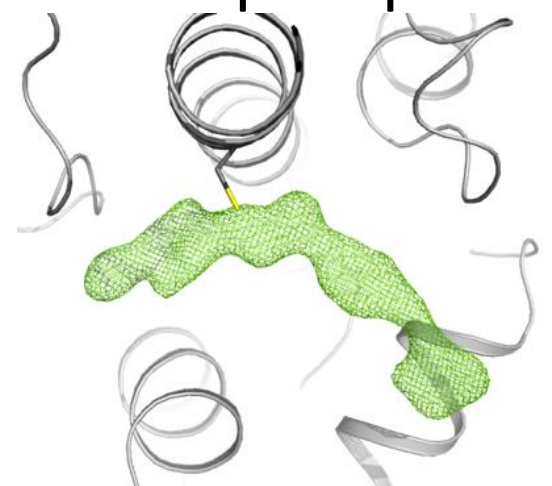
Lipid flippases – membrane structure and function

Neurotransmitter transporters – neurotransmission

Soluble proteins – regulation of membrane transport proteins

Projects

BSc, course projects and MSc projects



Educational tracks

Molecular biology, nanoscience, medicinal chemistry, molecular medicine, biology, bioengineering

Contact: Poul Nissen

pn@mbg.au.dk

28 99 22 95