

DNC Seminar

" A PROTON PISTON IN THE SODIUM PUMP"

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Wednesday 6th of October 14.30-15.30

Palle Juul-Jensen Auditorium, Building 10G, Århus Sygehus, NBG

SYNOPSIS:

The sodium pump is essential for animal life. Its basic function is to pump out three sodium and take up two potassium ions to create the electrochemical gradients that drive numerous cellular processes, especially in the brain where the pump uses $\sim 70\%$ of the ATP. We have recently proposed that sodium release is driven by a proton piston. Mutations disturbing the mechanism can cause the human diseases hemiplegic migraine with aura or rapid-onset dystonia parkinsonism.

ALL ARE WELCOME

DNC offers refreshments afterwards

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