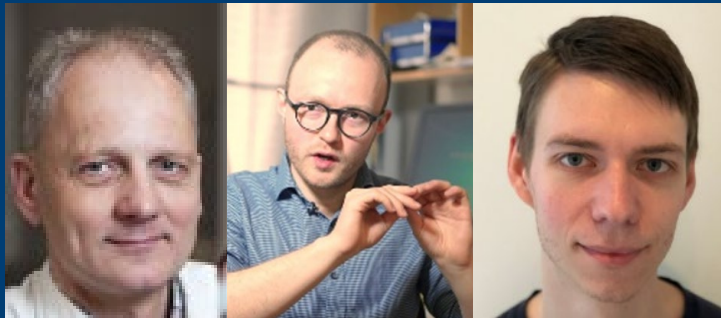


DANDRITE Mini Symposium

9:00 – 9:30

Joint TALK by Clinical Professor Toke Bek (left), Tenure Track Assistant Professor Rasmus Schmidt Davidsen (middle) and Postdoc Jesper Guldsmid Madsen (right)



Photovoltaic Retinal Implants: Using solar cells to restore vision for blind patients.

We are working on a photovoltaic retinal implant for patients suffering from diseases, where the photoreceptor function is lost, such as AMD and retinitis pigmentosa. By using thousands of micro-scale solar cell units that each translate incoming light into electrical signals, we may be able to generate a wireless artificial image. Currently, we are testing the first version of the implant chip with fresh pig retinas ex vivo in the laboratory at AUH. Our near future plan is to test the implant in terms of both stimulation capability and biocompatibility in large animals, such as pigs, in vivo.

9:45 – 10:15

TALK by Professor Keisuke Yonehara
Chair: Poul Henning Jensen



Ten years in Aarhus – to see what our eyes see

How does the retina extract information from the visual world? At DANDRITE, we have addressed this question by combining two-photon imaging, electrophysiology, and mouse genetics. After 10 years of hard work, we are beginning to gain some insight into this question.

28 January 2025

9:00 – 10:15
(coffee, tea and
croissants from 8:45)

1324-011
"Twin auditorium"

Open to everyone.