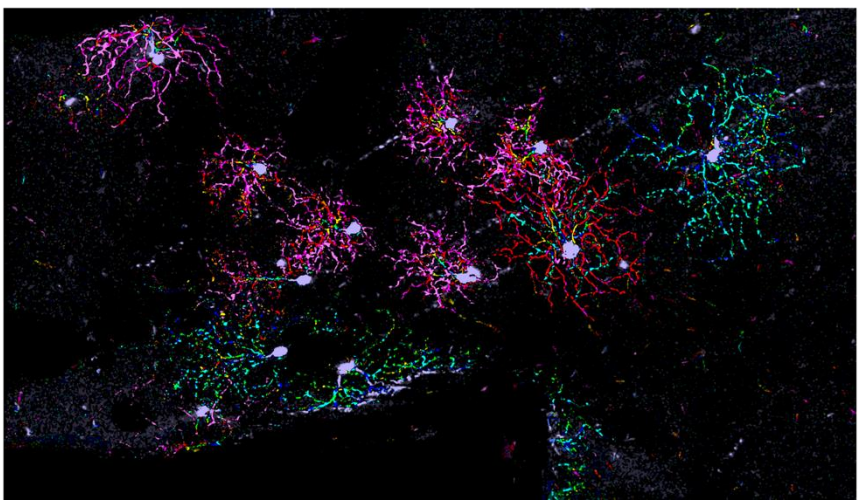
Zoophysiology Seminar at Aarhus University

What the thalamus sees: Visualizing the integration of visual information

Fiona Müllner

Dandrite, AU

In the visual system, image perception depends on the so-called image-forming pathway, at the center of which lies the dorsolateral geniculate nucleus (dLGN) of the thalamus: it receives inputs from the retina and sends its outputs to the primary visual cortex. We seek to understand how visual information is processed and modified at this early stage. Using advanced viral tracing combined with two-photon calcium imaging *in vivo,* we study how visual information is integrated in the dLGN with single-cell resolution in the mouse model. We find an unexpected diversity of integration patterns.



Friday, May 8th – 13.00 – 14.00
Zoophysiology seminar room (1130)