



„Synapses and functions of horizontal cells in the mouse retina“

Speaker

Karin Dedek, apl. Prof.

*University of Oldenburg
Institute for Biology and Environmental
Sciences*



Time

Wednesday, 22 June 2022
11:00 AM

Location

*Center for Biostructural Imaging
of Neurodegeneration (BIN)
Von-Siebold-Str. 3 a, Göttingen
Seminar room 1-3*

BIO

Karin is a retina enthusiast and adjunct professor at the University of Oldenburg. She investigates the processing of visual (and magnetic signals) in the mouse (and bird) retina. During her PhD, she studied potassium ion channels in the lab of Prof. Dr. Dr. Thomas Jentsch (ZMNH, Hamburg, Germany), performing, for example, patch-clamp recordings from outer and inner hair cells in mice. She stayed in sensory neuroscience and studied the functional role of gap junctions in the mouse retina when she was working as a postdoc at the University of Oldenburg and Weill Medical College of Cornell University, (New York, NY, USA). Karin has worked as a PI in many collaborative research projects and is currently a PI and board member of SFB 1372 “Magnetoreception and navigation in vertebrates” and a PI in the ERA-Net Cofund project “Rethealthsi”. She was listed on the *TOP LIST of Excellent Women in European Vision Research and Ophthalmology 2021* and is a designated reviewing editor for the *Journal of Physiology*, starting in October 2022.

Talk: Synapses and functions of horizontal cells in the mouse retina

In this talk I will talk about:

- The functional role of horizontal cells
 - For ganglion cells
 - In synapse formation and maintenance
- Morphometric analyses of horizontal cells