

European Retina Meeting 2023

University of Tübingen, Germany

Organized by Philipp Berens (U Tübingen), Thomas Euler (U Tübingen),
Tom Baden (U Sussex, UK), Béla Völgyi (U Pécs, Hungary)

Tentative Schedule

Sunday, September 17, 2023



Brauwerk Freistil Tübingen
| Wöhrdstraße 25, 72072 Tübingen

17:00 – 20:00 Registration / Information desk open

17:00 – 21:00 Reception
w/ beverages and finger food

19:00 – 20:00 Keynote lecture
Jason Kerr | MPI-NB Bonn, Germany
Tracking the visual and retinal scene in mice, rats, ferrets, and tree shrews chasing prey.

Monday, September 18, 2023



Neue Aula – Audimax
| Geschwister-Scholl-Platz, 72074 Tübingen

8:00 – 16:00 Registration / Information desk open

9:00 – 10:30 Session 1.1 | Retinal Circuit Function (1)

9:00 – 9:15 Welcome & Announcements

9:15 – 9:45 **Teresa Puthusser** | UC Berkeley, USA
Identification of ON-type direction selective ganglion cells in primate retina.

9:45 – 10:15 **Jonathan Oesterle** | U Tübingen, Germany
Regional difference in dendritic signal processing in mouse sON alpha retinal ganglion cells.

10:15 – 10:30 tba (=selected from abstract submission)

10:30 – 10:45 Coffee break
w/ beverages & snacks

10:45 – 12:15 Session 1.2 | Retinal Circuit Function (2)

10:45 – 11:15 **Stephanie Palmer** | U Chicago, USA
Coarse-graining the retinal code to retain predictive power.

11:15 – 11:45 **Sylvia Schröder** | U Sussex, UK
The impact of locomotion, arousal and reward on early visual processing in the mouse.

11:45 – 12:00 tba

12:00 – 12:15 tba

12:15 – 13:45 Lunch break

13:45 – 15:00 Session 2.1 | From the Retina to the Brain (1)

13:45 – 14:15 **Katja Reinhardt** | SISSA, Italy
Neural basis of the evolution of defensive behaviours in rodents.

14:15 – 14:45 **Laura Busse** | LMU, Germany
Neuronal circuit dynamics in the visual thalamus.

14:45 – 15:00 tba

15:00 – 15:15 Coffee break
w/ beverages & snacks

15:15 – 16:15 Session 2.2 | From the Retina to the Brain (2)

15:15 – 15:45 **Max Jösch** | ISTA, Austria
A corollary discharge hub for visuomotor transformation.

15:45 – 16:00 tba



16:00 – 16:15 tba

	 Museumsgesellschaft – Silchersaal/Uhlandsaal Wilhelmstraße 3, 72074 Tübingen
16:30 – 19:00	Poster Session 1 w/ open bar and finger food
19:00 –	Activities (e.g., city tour; to be booked w/ the registration)


Tuesday, September 19, 2023

	 Neue Aula – Audimax Geschwister-Scholl-Platz, 72074 Tübingen
8:00 – 16:00	Registration / Information desk open
9:00 – 10:30	Session 3.1 Primate Retina
9:00 – 9:30	Alexandra Kling Stanford, USA <i>Functional Diversity of Novel Amacrine and Ganglion Cell Types in the Primate Retina.</i>
9:30 – 10:00	Irene Aji MPI-NB Bonn, Germany <i>Joint physiological and connectomic analysis of neural circuitry in the primate retina.</i>
10:00 – 10:30	Petri Ala-Laurila U Helsinki, Finland <i>Linking human perception to retinal function at the sensitivity limit of vision.</i>
10:30 – 10:45	Coffee break w/ beverages & snacks
10:45 – 12:15	Session 3.2 tba
10:45 – 12:15	tba
12:15 – 13:45	Lunch break
13:45 – 15:00	Session 4.1 Disease & Restoration (1)
13:45 – 14:15	Marius Ader CRTD/TU Dresden, Germany <i>Transplantation of human photoreceptors into mouse models of retinal degeneration.</i>
14:15 – 14:45	Deniz Dalkara Paris Vision Institute, France <i>Innovative therapies for retinal dystrophies and their tailored delivery mechanisms.</i>

14:45 – 15:00	tba
15:00 – 15:15	Coffee break w/ beverages & snacks
15:15 – 16:15	Session 4.2 Disease & Restoration (2)
15:15 – 15:45	Sonja Kleinlogel U Bern, Switzerland <i>Designer optogenetic gene therapies targeted at the ON-bipolar cells to restore fundamental features of vision.</i>
15:45 – 16:00	tba
16:00 – 16:15	tba

	 Museumsgesellschaft – Silchersaal/Uhlandsaal Wilhelmstraße 3, 72074
16:30 – 19:00	Poster Session 2 w/ open bar and fingerfood
	 Liquid Kelter Schmiedtorstrasse 17, 72070 Tübingen
20:15 – 22:30	Conference Dinner (to be booked w/ the registration)

Wednesday, September 20, 2023

	 Neue Aula – Audimax Geschwister-Scholl-Platz, 72074 Tübingen
8:00 – 15:00	Information desk open
9:00 – 10:30	Session 5.1 Vision across Species (1)
9:00 – 9:30	Aristides Arrenberg U Tübingen, Germany <i>Motion processing in zebrafish: receptive field code and spatial anisotropies supporting optomotor behavior.</i>
9:30 – 10:00	Lisa Fenk MPI-BI Munich, Germany <i>Active visual sampling in Drosophila.</i>
10:00 – 10:15	tba

10:15 – 10:30	tba
10:30 – 10:45	Coffee break w/ beverages & snacks
10:45 – 12:15	Session 5.2 Vision across Species (2)
10:45 – 11:15	Tiffany Schmidt Northwestern University, USA <i>Visual circuits underlying threat anticipation.</i>
11:15 – 11:45	Henrik Mouritsen U Oldenburg, Germany <i>Light-dependent, quantum-based, magnetoreception in the bird retina.</i>
11:45 – 12:00	tba
12:00 – 12:15	tba
12:15 – 13:30	Lunch break
13:30 – 14:45	Awards, Business Meeting, Goodbye
15:00	End of Meeting