

30th Ocular Motor Meeting



“München, Tübingen, Zürich”

February 14-15, 2020

Ear-Nose-Throat Hospital, University
Hospital of Tübingen

Program

Friday, 14 February 2020

- 14:00 Opening remarks by *Uwe Ilg*
- 14:10 Gravity-anchored three-dimensional head direction cells
Jean Laurens
- 14:30 Contextual influences on optokinetic reflexes in *Xenopus*
tadpoles
Alexander Knorr
- 14:50 Poster blitz (2-minute presentation per poster)
- 15:30 **Coffee break + posters**
- 17:10 Magnetic vestibular stimulation during resting-state
Virginia L. Flanagan
- 17:30 The neuroimaging-derived architecture of the human
vestibular network
Peter zu Eulenburg
- 18:00 **Keynote address:** A philosophical physiology of the
vestibular system
Hong Yu Wong
- 20:00 Social gathering at Ratskeller Tübingen (Haaggasse 4, 72070
Tübingen) – Dinner and 1 drink are included in the
registration fee (additional drinks can be purchased
individually)

Saturday, 15 February 2020

- 9:00 Experience-driven changes in reading performance on simulated thalamic visual prostheses
Aikaterina Eleonora Rassi
- 9:20 Human postural response to support surface translation
Thomas Mergner
- 9:40 Poor neurologist's model explaining endpoint nystagmus
Dominik Straumann
- 10:00 **Coffee break + posters**
- 11:10 DeepVOG – Oculomotor event detection in video-oculography
Berk Olcay
- 11:30 Videoculography for diagnostic purposes: state-of-the-art and prospective
Martin Gorges
- 11:50 Closing remarks by *Uwe Ilg, Ziad Hafed, Stephan Wolpert, and Jörn Pomper...Zürich is next!*

Posters

- *Lena Beppi* – A study of the startle response to repetitive vibratory stimulations in larval zebrafish
- *Aristides Arrenberg* – Binocular coordination of saccadic eye movements in the zebrafish hindbrain
- *Christian Brysch* – Functional architecture underlying binocular coordination of eye position and velocity in the larval zebrafish hindbrain
- *Fatemeh Khademi* – Exploring microsaccade-induced visual reafferent responses in macaque superior colliculus neurons
- *Ziad Hafed* – Visual formatting by ocular position drifts of superior colliculus neural activity
- *Antimo Buonocore* – Every spike counts: Intra-saccadic superior colliculus visual bursts modify saccade metrics
- *Tong Zhang* – Foveal action for the control of extra-foveal vision
- *Zhaoping Li* – Exogenous guidance to saccades by V1: human and monkey data
- *Thomas Eggert* – Distinction of motor noise and planning noise in visuomotor adaptation
- *Matthias Baumann* – Visual-only mechanisms underlie selective peri-saccadic suppression of low spatial frequencies
- *Tatiana Malevich* – Rapid stimulus-driven modulation of slow fixational drift eye movements
- *Jan Gygli* – Effect of the stimulus duration on the adaptation of the optokinetic afternystagmus
- *Amarender Bogadhi* – Task irrelevant visual forms facilitate saccadic eye movements
- *Joshua Yudice* – Inter-subject variability of visual-vestibular sensory fusion during angular rotation
- *Wolfgang Becker* – Saccadic intrusions in neurodegenerative diseases: A comparison between ALS and PSP
- *Alexander Neugebauer* – VR-based Training of Saccade Scanning Patterns for improved Orientation and Navigation in Retinitis Pigmentosa Patients
- *Giovanni Bertolini* – Impact of alcohol on self-motion perception and reflexive eye movements
- *Eberhard Koenig* - Evaluation of the German version of the scale for retropulsion
- *Hassan Bassereh Moosaabadi* – TBD
- *Yannick Sauer* – TBD
- *Olga Lukashova-Sanz* – TBD