

32nd Annual Ocular Motor Meeting – MüTüZü (München, Tübingen & Zürich)

February 3rd-4th 2023 Munich, Germany

Venue: Biomedical Centre (Building N)
Lecture Hall N02.040 (1st floor) and Foyer (Registration/Poster/Catering)
Grosshaderner Strasse 9
82152 Planegg-Martinsried

General directions: <http://www.en.biologie.uni-muenchen.de/anfahrt/index.html>

Venue: <https://goo.gl/maps/s6tnBM4sWYF2cHN29>



Parking: <https://goo.gl/maps/ewpYGu7vBx6tUknE6>

Bus Stop: <https://goo.gl/maps/iuoiSA5S1Z4TyAvP9>

Dinner Venue: <https://goo.gl/maps/Rb1V5ToBVfxvpttQ9>

Participation fee: 50€ (to be paid in cash at the registration, fee includes the main course plus 1 beverage for the diner on Friday evening)

Program Friday, February 3rd 2023

12:30-14:00:	Registration, Snacks, Poster mounting, Presentation upload, Laptop check <i>Foyer Lecture Hall N02.040</i>
14:00-14:10 Chair: P. zu Eulenburg	Opening remarks
14:10-14:25	A. Zwergal (Munich): In memoriam Prof. Hans Straka
14:25-15:00	Ü. Mayadali (Munich): <i>Histochemical correlates of firing characteristics in the oculomotor system of rhesus monkey</i>
15:00-15:20	A. Arrenberg (Tübingen): <i>The oculomotor system in larval zebrafish: binocular coordination and early maturation</i>
15:20-16:00	Posterblitz (2 minutes each poster, max. 3 slides)
16:00-17:00	Coffee break + Main Poster session
17:00-17:20 Chair: D. Straumann	Ziad M. Hafed (Tübingen): <i>A minimally-invasive magnetic system for high-quality wireless eye movement tracking in non-human primates</i>
17:20-17:40	Virginia Flanagan (Munich): <i>Deep-VOG(3D): An open-source videooculography pipeline</i>
17:40-18:00	Tang Ge (Munich): <i>Ocular and retroorbital morphometrics (for long-duration spaceflight)</i>
18:00-18:45 Keynote Lecture	Prof. Alexander Choukér LMU <i>"Stress, Hibernation and our way to Planet Mars"</i>
19:45- open end	<i>Dinner at Haderner Augustiner (https://goo.gl/maps/Rb1V5ToBVfxvpttQ9)</i>

Saturday, February 4th 2023

9:00-9:20 (Chair V. Flanagan)	J. Laurens (Frankfurt): <i>Nodulus/Uvula, part II: beyond the vermis, the "beta network"</i>
9:20-9:40	M. Gorges (BTU Cottbus): <i>Progression of saccade pathology in PSP</i>
9:40-10:00	D. Straumann (Zurich): <i>Frollberg test (Romberg on foam with head roll) - clinical significance</i>
10:00-10:20	K. Felfela (Munich): <i>Dizziness in Cognitive Impairment</i>
10:20-11:00	Coffee Break + Poster viewing
11:00-11:15 (Chair Ziad M. Hafed)	G. Soto (Tübingen): <i>Saccadic suppression: From Zebrafish to Monkey</i>
11:15-11:30	M. Forsthofer (Munich): <i>Visual circuitry plasticity in embryonically generated one-eyed tadpoles</i>
11:30-11:45	F. Ziaie Nezhad (Frankfurt): <i>Systems neuroscience of navigation in the naturally behaving marmoset monkey</i>
11:45-12:00	T. Eggert (Munich): <i>Binocular fixation in acuity and stereo tasks</i>
12:00-12:10	Closing remarks
12:30-14:00	Demo-Experiments (off-site)

Poster Listing

1. **Parthena Schneider-Soupiadis** (*Ludwig-Maximilians-University Munich*)

Visuo-vestibular stimulation reveals gaze stabilization differences in Xenopus and Axolotl larvae

2. **Nada El Mahmoudi** (*Ernst-Strüngemann-Institute Frankfurt*)

Characterization of the spatial cognitive component of the vestibular syndrome: behavioral, cellular and electrophysiological approaches

3. **Ondřej Čákrť** (*Charles University Prague*)

Subjective visual vertical and postural control in patients following cochlear implantation

4. **Deepak Surendran** (*Ernst-Strüngemann-Institute Frankfurt*)

A kalman filter framework for modeling vestibular loss

5. **Martina John** (*Ludwig-Maximilians-University Munich*)

Histochemical characterization of the fastigial nucleus in monkey

6. **Maximilian John** (*Ludwig-Maximilians-University Munich*)

Ion channel profile of saccadic omnipause neurons in human

7. **Christina Chertes** (*Ludwig-Maximilians-University Munich*)

Ion channel profile of twitch and non-twitch motoneurons in motonuclei of extraocular muscles in human

8. **Aspia Hossain** (*Ludwig-Maximilians-University Munich*)

Palisade endings and associated fiber types in oblique extraocular muscles in monkey and man

9. **Elitza Dimitrova** (*Ludwig-Maximilians-University Munich*)

Norm data and age dependency of pursuit, optokinetic and saccade performance in controls

10. **Carole-Anne Vollette** (*University Hospital Zurich*)

A Wearable-Based System to reduce Space Motion Sickness by Multi-Sensory Pre-Habituation

11. **Giorgia Rita Di Ruggiero** (*University Hospital Zurich*)

Comparing vestibular clinical assessments in the prediction of the side of unilateral hypofunction

12. **Fatemeh Khademi** (*Eberhard Karls University Tübingen*)

Dependence of stimulus-driven ocular position drift responses on stimulus size and location

13. **Milena Mihovilovic** (*Ludwig-Maximilians-University Munich*)

Brain activity during acquisition of long visuospatial sequences

14. **Luisa Manca** (*University Hospital Zurich*)

Perception of self-motion during visual-vestibular mismatch in patients with visual vertigo

15. **Yue Yu** (*Eberhard Karls University Tübingen*)

Perceptual asymmetry within the foveal region

16. **Carolina Bepi** (*University Hospital Zurich*)

The use of sensory habituation metrics in neurology

17. **Franziska Thiessen** (*Ludwig-Maximilians-University Munich*)

Structural aging of the inner ear and the eighth cranial nerve quantified in-vivo

18. **James Dowsett** (*Ludwig-Maximilians-University Munich*)

Combined eye tracking and SSVEPs of real world scenes with LCD glasses

19. **Maja Stríteská** (*ORL Klinika FNKV Prague*)

Binocular Video Head Impulse Test (bVHIT): Normative Data