

PROGRAM

- 10:00-10:15 **Introduction** (incl. Best PhD Award 2020)
Prof. Fritjof Helmchen
- 10:15-11:30 **Short Talks by new ZNZ members**
- 10:15-10:30 **Microglia: Picky eaters in the vertebrate brain**
Prof. Francesca Peri, Department of Molecular Life Sciences (UZH)
- 10:30-10:45 **Genetically encoded tools for imaging neuromodulators in action**
Prof. Tommaso Patriarchi, Institute of Pharmacology and Toxicology (UZH)
- 10:45-11:00 **Large-scale monitoring of ultrasound neuromodulation**
Prof. Daniel Razansky, Institute for Biomedical Engineering (ETH) and Institute of Pharmacology and Toxicology (UZH)
- 11:00-11:15 **Long-term outcomes of erythropoietin in preterms**
Prof. Giancarlo Natalucci, Department of Neonatology (USZ)
- 11:15-11:30 **Parsing trauma memory and information processing to promote resilience and recovery**
Prof. Birgit Kleim, Department of Psychology (UZH) and Psychiatric University Hospital
- 11:30-12:15 **Poster Session I**
See details on page 2
- 12:15-12:45 Break
- 12:45-13:30 **Poster Session II**
See details on page 3
- 13:30-14:15 Volker-Henn Lecture
Understanding human brain development and disease: from embryos to organoids
Prof. Paola Arlotta, Dep. of Stem Cell and Regenerative Biology, Harvard University
- 14:15 **Concluding Remarks**
- 14:30-15:00 **General Assembly for ZNZ Group Leaders**
-

Poster Session I, 11:30-12:15

- 1) **Synaptic Homeostasis / Plasticity**
Moderator: Igor Delvendahl
- 2) **Neurodevelopmental Disorders I**
Moderator: Ruxandra Bachmann-Gagescu
- 3) **Vision**
Moderator: Shih-Chii Liu
- 4) **Word Processing**
Moderator: Alexis Hervais-Adelman
- 5) **Aging Brain**
Moderator: Yicheng Wu
- 6) **Sleep / Auditory Stimulation**
Moderator: Caroline Lustenberger
- 7) **Stroke**
Moderator: Georgios Louloudis
- 8) **Depression / Addiction**
Moderator: Nagiua Haymour
- 9) **Neurofeedback**
Moderator: Lars Michels
- 10) **Data Management / Analysis**
Moderator: Martina Nigri

Poster Session II, 12:45-13.30

- 1) **Neurodevelopmental Disorders II**
Moderator: Sabine Dziemian
- 2) **Epigenetics**
Moderator: Katharina Gapp
- 3) **Auditory System / Hearing**
Moderator: Tomas Tomka
- 4) **Protein Aggregation**
Moderator: Juan Gerez
- 5) **Spinal Cord Injury**
Moderator: Marc Bolliger
- 6) **Pain**
Moderator: Petra Schweinhardt
- 7) **Stress**
Moderator: Johannes Bohacek
- 8) **High Precision Recording of Activity**
Moderator: Dominik Groos
- 9) **MRI Technology**
Moderator: Tim Emmenegger
- 10) **Neuromorphic Devices / Machine Learning**
Moderator: Wolfger von der Behrens

All poster rooms of sessions I and II are also open at 16:00-17:00 for further discussions if desired by presenters and attendees.