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
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.