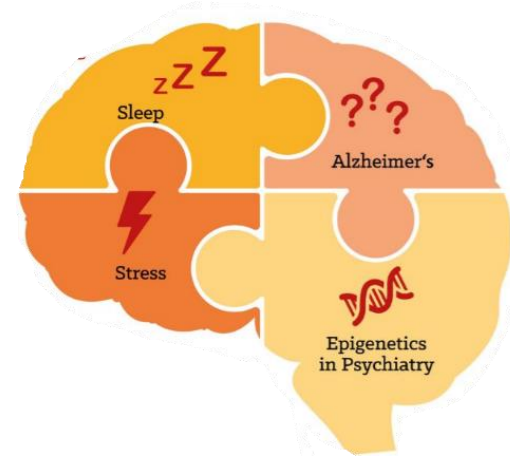


Translational Neuroscience  
**AUTUMN SCHOOL**  
24<sup>th</sup> – 25<sup>th</sup> Nov 2023



**Venue:** Rudolf Virchow Centre for Integrative & Translational Bioimaging, Josef-Schneider-Straße 2, 97080 Würzburg

**Friday, 24<sup>th</sup> November**

8:00 Registration for Conference

9:00 **Welcome talk by Prof. Carmen Villmann**  
*Speaker of the Elite Graduate Program Translational Neuroscience*

**Session 1 – Epigenetics in Psychiatry**

9:15 **“Spatial transcriptomics: From in-situ gene expression to transcriptional connectivity of the brain”**  
**Prof. Dr. Thorsten Klengel**  
*Director of Translational Molecular Genomics Laboratory, McLean Hospital, Boston, USA*

10:10 Coffee Break

10:20 **“Epigenetics in Psychiatry: Towards an Individualized Therapy for Mental Disorders”**  
**Prof. Dr. Vanessa Nieratschker**  
*Head of the Molecular Psychiatry Group, University Hospital and Medical School, Tübingen*

**Session 2 – Stress**

11:05 **“Mice selected for extremes in stress reactivity: Modelling clinically relevant endophenotypes of major depression”**  
**Prof. Dr. Chadi Touma**  
*Head of the Department of Behavioural Biology, University of Osnabrück*

12:00 Lunch

13:00 Poster Session

14:00 **“Neural Basis of Resilience to Social Stress”**  
**Dr. Sarah Ayash**  
*Postdoctoral Researcher at the Leibniz Institute for Resilience Research, University Medical Centre Mainz*

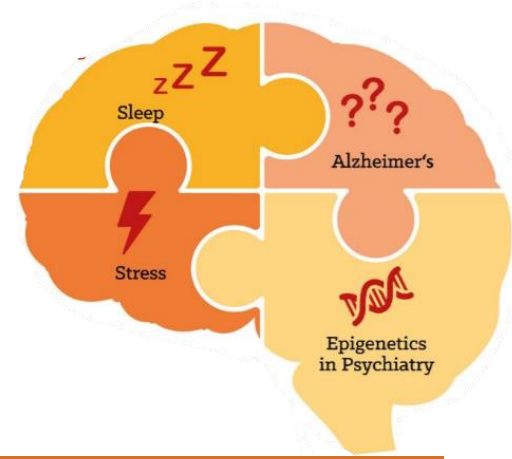
14:55 **“Stress and Social Interactions: Insights from Psychoneuroendocrinology”**  
**Dr. Bastian Schiller**  
*Postdoctoral Researcher and Head of ERC Starting Grant Group “The Psychobiology of Social Interactions,” Institute of Psychology, University of Freiburg*

15:40 Coffee Break

15:55 **“Microtubules and associated proteins in synaptic plasticity and neurodegenerative disease”**  
**Prof. Dr. Matthias Kneussel**  
*Director of Centre for Molecular Neurobiology (ZMNH), Hamburg*

16:50 **Discussion “Industry meets academia”**  
**Guests:**  
**Dr. Silke Seeber**, Site Head at Boehringer Ingelheim Veterinary Medicine  
**Michael Enders**, Alumnus of MSc “Translational Neuroscience”

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**Saturday, 25<sup>th</sup> November**

**Session 3 – Sleep**

- 9:30     **"Sleep, insomnia and depression"**  
**Prof. Dr. Dieter Riemann**  
*Head of Department for Clinical Psychology and Psychophysiology, Department of Psychiatry and Psychotherapy, University Hospital Freiburg*
- 10:25    **"Sleep and Neurodegeneration: Translational studies of a bidirectional relationship with therapeutic potential"**  
**Dr. Daniela Noain**  
*Head of the Sleep and Neurodegeneration Animal Laboratory, Neurological Clinic, University Hospital Zurich*
- 11:10    Coffee Break
- 11:25    **"The significance of sleep for memory, mental health and immune functions" (online)**  
**Dr. Susanne Diekelmann**  
*Psychological Management of the Sleep Clinic at University Clinic for Psychiatry and Psychotherapy, Tübingen*
- 12:10    Lunch
- 13:10    Poster Session
- 14:10    **"Sleep behavior as an EEG-based biomarker to predict post-anesthetic delirium"**  
**Assoc. Prof. Thomas Fenzl**  
*Head of Research Group for Neurobiology of Sleep and Anaesthesia, Rechts der Isar Hospital, Technical University Munich*

**Session 4 – Alzheimer's Disease**

- 14:55    **"Early pathology in Alzheimer's Disease"**  
**Prof. Dr. Jochen Herms**  
*Professor at the Centre for Neuropathology and Prion Research (DZNE), Munich*
- 15:50    Coffee Break
- 16:05    **"Olfactory mucosa as a window to the brain: pathological features linked to Alzheimer's disease and influence of air pollutants"**  
**Prof. Dr. Katja Kanninen**  
*Professor of Cellular Neurobiology at University of Eastern Finland*
- 16:50    **"Mechanisms of tau spreading in Alzheimer's disease"**  
**Dr. Nicolai Franzmeier**  
*Junior Research Group Leader, Institute for Stroke and Dementia Research at Ludwig Maximilian University of Munich*
- 17:35    **Closing Remarks**