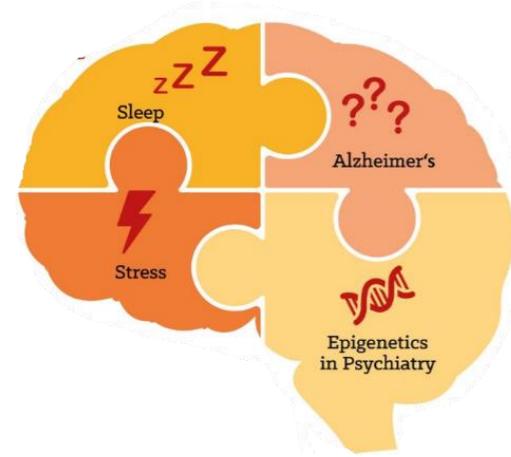


Translational Neuroscience

AUTUMN SCHOOL

24th – 25th Nov 2023

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



Friday, 24th 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, in McLean Hospital, Boston

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 Behavioural Biology, University of Osnabrück

12:00 Lunch

13:00 Poster Session

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

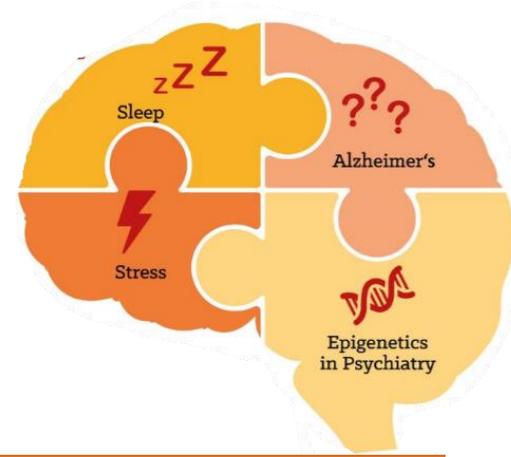
14:55 **“Stress and Social Interactions: Insights from Psychoneuroendocrinology”**
Dr. Bastian Schiller
Postdoc and Head of ERC Starting Grant Group “The Psychobiology of Social Interactions”, Institute of Psychology, University of Freiburg

15:40 Coffee Break

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

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

Translational Neuroscience
AUTUMN SCHOOL
24th – 25th Nov 2023



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

Saturday, 25th 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, Universitätsklinikum 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, 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 neurobiology of sleep and anesthesia group, School of medicine, Technical University Munich

Session 4 – Alzheimer's Disease

- 14:55 **"Early pathology in Alzheimer's Disease"**
Prof. Dr. Jochen Herms
Professor in the Center 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 in University Ludwig Maximilian, Munich
- 17:35 **Closing Remarks**