

Translational Neuroscience

# AUTUMN SCHOOL

4<sup>th</sup> – 5<sup>th</sup> Nov 2022



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

Friday, 4<sup>th</sup> November - Morning

8:00	Registration for Conference
9:00	<b>Welcome talk by Prof. Carmen Villmann</b> <i>Speaker of the Elite Graduate Program Translational Neuroscience</i>
<b>Session 1 – Circadian Rhythms</b>	
9:15	<b>“Circadian clocks and their impact on behaviour, physiology and metabolism”</b> <b>Prof. Dr. Charlotte Förster</b> <i>Chair of Neurobiology and Genetics, Theodor-Boveri Institute, Biocenter, University of Würzburg</i>
10:15	<b>“Light in Modern Societies – Challenges and Opportunities for Circadian Rhythms and Sleep”</b> <b>Dr. Christine Blume</b> <i>Centre for Chronobiology, Psychiatric Hospital of the University of Basel</i>
11:00	Coffee Break
11:15	<b>“Can chronopharmacology improve the therapeutic management of neurological diseases Focus on pain disorders”</b> <b>Dr. Méлина Begou</b> <i>Faculté de Pharmacie, Université Clermont Auvergne</i>
12:00	Lunch Break
13:00	Poster Session

Friday, 4<sup>th</sup> November - Afternoon

<b>Session 2 – Methods in Neuroscience</b>	
14:00	<b>“What Brain-Computer Interface can tell us about the brain”</b> <b>Prof. Dr. Sonja Kleih-Dahms</b> <i>Institute of Psychology, University of Würzburg</i>
14:40	<b>“Tissue Clearing and its applications in neuroscience and beyond”</b> <b>Dr. Harsharan Bhatia</b> <i>Institute for Tissue Engineering and Regenerative Medicine, Helmholtz Center Munich</i>
15:20	Coffee Break
15:30	<b>“Integrated defensive states and their neuronal correlates in the Periaqueductal Grey”</b> <b>Nina Schukraft</b> <i>Institute of Clinical Neurobiology, University Hospital Würzburg</i>
16:10	<b>“Cruise control or in control? - Computational models, motivational biases and psychopathology”</b> <b>Dr. Vanessa Scholz</b> <i>Department of Child and Adolescent Psychiatry, Psychosomatics and Psychotherapy, University Hospital Würzburg</i>
16:50	Coffee

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Saturday, 5<sup>th</sup> November - Afternoon

## Session 3 – Epigenetics

- 9:15      **“Patho- and therapyepigenetics of mental disorders”**  
**PD Dr. Miriam Schiele**  
*Department of Psychiatry and Psychotherapy, Medical Center, University of Freiburg*
- 10:15      **“Epigenetic regulation of cortical development and evolution”**  
**Dr. Boyan Bonev**  
*Pioneer Campus, Helmholtz Center, Munich*
- 11:00      Coffee Break
- 11:15      **“The role of chromatin in experience-dependent brain functions”**  
**Dr. Rodrigo Arzate-Mejia**  
*Laboratory of Neuroepigenetics, University of Zürich, and Department of Health Science and Technology, ETH Zürich*
- 12:00      Lunch Break
- 13:00      Poster Session

Saturday, 5<sup>th</sup> November - Afternoon

## Session 4 – Novel Treatments of Neuropsychiatric Disorders

- 14:00      **“Psychedelics: an introduction to therapeutic mechanisms”**  
**Anthony Meijer**  
*Charité Centre for Neurology, Neurosurgery, and Psychiatry, Berlin*
- 14:45      **“The Ups and Downs of Treatment Development for Alcohol Addiction”**  
**Prof. Dr. Rainer Spanagel**  
*Institute of Psychopharmacology, Central Institute of Mental Health, Mannheim*
- 15:20      Coffee Break
- 16:10      **Discussion Round “Diversity in Science”**  
**Dr. Ify Aniebo**  
*Health Strategy & Delivery Foundation Lagos, and Initiative on the Future Health & Economic Resiliency in Africa, Boston*

**Closing Remarks**