

**PROGRAMME GERMAN CLOCK CLUB MEETING 2025**

**Tuesday, July 29<sup>th</sup> 2025**

**Lecture Hall A101 University of Würzburg, Hubland Campus Süd, Biocentre**

*How to get there:*

**by train:** take bus 14/114/214 to Gerbrunn/Hubland/Fachhochschule and exit at the stop “Hubland” (line 14) or “Hubland-Mensa” (line 114, 214). Then follow the signs.

**by car:** navigate to “Am Hubland”, parking lots are available in the garage at “Am Hubland” or along the “Theodor-Boveri-Weg”. Watch out for the signs to the Biocentre.



11:00-12:00 registration, hanging of posters

12:00-12:45 free poster session (all posters) and snacks

12:45 Welcome note by **Charlotte Förster** and **Christian Wegener**

Session 1, Chair: Peter Deppisch

- 13:00 – 13:20 **Chiara Bettini** (Münster)

*“Genetic basis of the natural polymorphisms of sleep-wake rhythms in Drosophila”*

- 13:20 – 13:40 **Baris Can Ülkü** (Kassel)

*“Rhythmic behaviors in Hypsibius exemplaris”*

- 13:40-14:00 **Borja Ferrero Bordera** (München)

*“Uncovering Circadian Regulation in Bacillus subtilis: Insights from Transcriptomics and Long-Term Chemostats”*

- 14:00-14:20 **Manon Torres** (Berlin)

*“Novel E-box interactors revealed by proximity labeling proteomics”*

14:20-15:00 poster session II (odd numbers) and coffee break

Session 2, Chair: Madhura Sapre, Lukas Hüppe

- 15:00-15:20 **Anna C. Schneider** (Kassel)

*“Disrupting the clock in the Madeira cockroach through clk and cyc knockdowns”*

- 15:20 – 15:40 **Iwona Olejniczak** (Lübeck)

*“Clock-to-clock communication in the adrenal gland”*

- 15:40 – 16:00 **Sophia Marie Reiners** (Lübeck)

*“Direct Modulation of the Central Circadian Clock by Progesterone in Female Mice”*

- 16:00-16:20 **Monika Stengl** (Kassel)

*“The neuronal plasma membrane: a plastic multiscale post-translational clock?”*

16:20-17:00 poster session III (even numbers) and coffee break

Session 3, Chair: Giulia Manoli, Nils Reinhard

- 17:00-17:20 **Meskerem Abebaw Mebratie** (Kassel)

*“Mathematical Modeling of Early Embryonic Cell Cycles of Drosophila melanogaster”*

- 17:20-17:40 **Müge Yalcin** (Hamburg)

*“The Landscape of Circadian Rhythms: Molecular Insights into Sex- and Age-Dependent Circadian Patterns in Healthy Individuals”*

- 17:40-18:00 **Angelica Coculla** (Münster)

*“ Temporal niche in Drosophila melanogaster”*

18:00-19:00 poster session IV (all poster numbers) and drinks

19:00 - ..... evening at your free disposal

**Posters:**

**P1:** **Chaithra Anoop** (Würzburg) *“Neuroendocrine mechanisms underlying the effect of photoperiod and the circadian clock on developmental time in flies”*

**P2:** **Eva Bastida Martínez** (Munich) *“TBA”*

**P3:** **Angelika Brückner** (Kassel) *“Time series analysis of behavioral patterns of Madeira cockroach *Rhyparobia maderae*”*

**P4:** **Céline Jouffe** (Munich) *“BMAL1 controls brown adipose metabolism in a temperature-dependent manner”*

**P5:** **Giagos-Ion Chlomoudis** (Kassel) *“Extracellular O<sub>2</sub> and pH oscillations under constant light in *Seminavis robusta*”*

**P6:** **Yajun Chang** (Kassel) *“Clock-controlled pheromone transduction in *Manduca sexta*”*

**P7:** **Stefanie Fertig** (Berlin) *“Impact of Circadian Desynchronization on Tissue Clocks and Immune Regulation”*

**P8:** **Rebekah George** (Münster) *“A role for mechanosensitive ChO neurons in temperature entrainment”*

**P9:** **Rebekah George** (Münster) *“The ChO temperature entrainment circuit”*

**P10:** **Lukas Hüppe** (Würzburg/Oldenburg) *“Daily and seasonal timing aids polar adaptation in Antarctic krill (*Euphausia superba*)”*

**P11:** **Valentina Kirsch** (Würzburg) *“RH7 in *Drosophila melanogaster*: a non-retinal rhodopsin involved in contrast vision and dark activity”*

**P12:** **Giulia Manoli** (Würzburg) *“A period mutant in *Drosophila littoralis*”*

**P 13:** **Jule Neumann** (Plön) *“Transcriptomic profiling of a circalunar developmental arrest (CDA) and winter diapause in the marine insect *Clunio marinus*”*

**P14:** **Maite Ogueta Gutierrez** (Münster) *“Investigating the Role of GABA and Chloride Cotransporters in the *Drosophila* Circadian Clock”*

**P15:** **Jazmin Osorio-Mendoza** (Lübeck) *“Regulation of hedonic feeding rhythms by circadian clocks in leptin-receptive neurons”*

**P16:** **Alexandros Pantagias** (Münster) *“The circadian clock in *Tribolium castaneum*”*

**P17: Tobias Prüser** (Münster) *“Establishing *Tribolium castaneum* as a new model for studying individual variation and evolution of circadian rhythms”*

**P18: Nils Reinhard** (Würzburg) *“PDF-mediated plasticity of the evening locomotor activity in *Drosophila melanogaster*”*

**P19: Athira Theyassanchery Mani** (Würzburg) *“The impact of protein kinase RSK on circadian clock modulation and neuronal plasticity in *Drosophila melanogaster*”*

**P20: Aditi Vijayan** (Kassel) *“Circadian and ultradian rhythms in the spontaneous activity of hawkmoth olfactory receptor neurons”*

**P21: Vanessa Vogel** (Würzburg) *“Tba”*

**P22: Maja Zabel** (Münster) *“The role of DBT/CK1 $\epsilon$  in mediating temperature compensation in circadian clock neurons of *Drosophila melanogaster*.”*

**P23: Huleg Zolmon** (Kassel) *“Understanding the Circadian Clock Network: A Single-Nuclei RNA Sequencing Approach”*

**P24: Madhura Sapre** (Würzburg) *“*Drosophila* brain metabolism and cold resistance is altered by exposure to short photoperiod.”*