

PROGRAMME GERMAN CLOCK CLUB MEETING 2025

Tuesday, July 29th 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 **Sara Colizzi** (Rennes)

“The clock-related neuropeptide Pigment Dispersing Factor is essential for the photoperiodic reproductive switch in pea aphids”

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: Giagkos-Ion Chlomoudis (Kassel) “Extracellular O₂ 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 Theyyassanchery 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: Maja Zabel (Münster) *“The role of DBT/CK1 ϵ in mediating temperature compensation in circadian clock neurons of Drosophila melanogaster.”*

P22: Huleg Zolmon (Kassel) *“Understanding the Circadian Clock Network: A Single-Nuclei RNA Sequencing Approach”*

P23: Madhura Sapre (Würzburg) *“Drosophila brain metabolism and cold resistance is altered by exposure to short photoperiod.”*