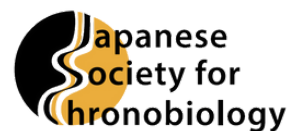


EBRS Congress 2025

24-28 August 2025

Lübeck, Germany

Program



Welcome

Welcome to the XVIII Congress of the European Biological Rhythms Society (EBRS).

This year's congress will bring together top chronobiologists and sleep experts from Europe and the world. We will hear about and discuss their most recent findings and best scientific stories, and their vision for the future in chronobiology, sleep science, and circadian medicine.

EBRS 2025 is a unique opportunity for rhythm researchers to share their ideas, benefit from exchanges and discussions with colleagues, and disseminate their own results on an international stage. Trainees and early-career researchers are offered a dedicated free-of-charge five-star trainee day with the best researchers in the field.

We are expecting 450 participants from 32 countries. With 5 plenary lectures, 25 symposia, 1 panel discussion, 143 symposium talks and 226 posters, the week promises to be very exciting!

We look forward to meeting you at the EBRS 2025 congress in the beautiful Hanseatic city of Lübeck!

Henrik Oster
Congress Chair

Charalambos P. Kyriacou
EBRS President

Organized by
THE EUROPEAN BIOLOGICAL RHYTHMS SOCIETY

In association with the
JAPANESE SOCIETY FOR CHRONOBIOLOGY

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Organization

Local Organization Committee

- **Henrik Oster:** Institute of Neurobiology, University of Lübeck
- **Chaoqun Jiang:** Institute of Neurobiology, University of Lübeck

Scientific Program Committee

- **Henrik Oster:** Institute of Neurobiology, University of Lübeck
- **Charalambos Kyriacou:** Department of Genetics and Genome Biology, University of Leicester
- **Sara Montagnese:** Department of Medicine, University of Padova
- **Alena Sumová:** Institute of Physiology, Czech Academy of Sciences
- **Etienne Challet:** Institute of Cellular and Integrative Neuroscience, University of Strasbourg
- **Kristin Tessmar-Raible:** Max Perutz Labs, University of Vienna
- **Laura Kervezee:** Department of Cell and Chemical Biology, Leiden University Medical Center
- **Urs Albrecht:** Department of Biology, University of Fribourg
- **Takashi Yoshimura:** Institute of Transformative Bio-Molecules, Nagoya University
- **Martin Ralph:** Department of Psychology, University of Toronto
- **Beatriz Rodriguez-Cortes:** Development and Plasticity of the Neuroendocrine Brain, Lille Neuroscience & Cognition, INSERM U1172
- **Horst-Werner Korf:** Heinrich Heine University Düsseldorf

Trainee Day Committee

- **Beatriz Rodriguez-Cortes:** Development and Plasticity of the Neuroendocrine Brain, Lille Neuroscience & Cognition, INSERM U1172
- **Tereza Dočkal:** Institute of Physiology, Czech Academy of Sciences
- **Ruth Li:** International Institute for Integrative Sleep Medicine, University of Tsukuba
- **Fernando Cázarez Márquez:** The Arctic University of Norway
- **Valentina Sophia Rumanova:** Department of Endocrinology and Metabolism, Amsterdam University Medical Centre
- **Kateryna Semenovykh:** Institute of Physiology, Czech Academy of Sciences
- **Chaoqun Jiang:** Institute of Neurobiology, University of Lübeck
- **Kristin Tessmar-Raible:** Max Perutz Labs, University of Vienna

General Information

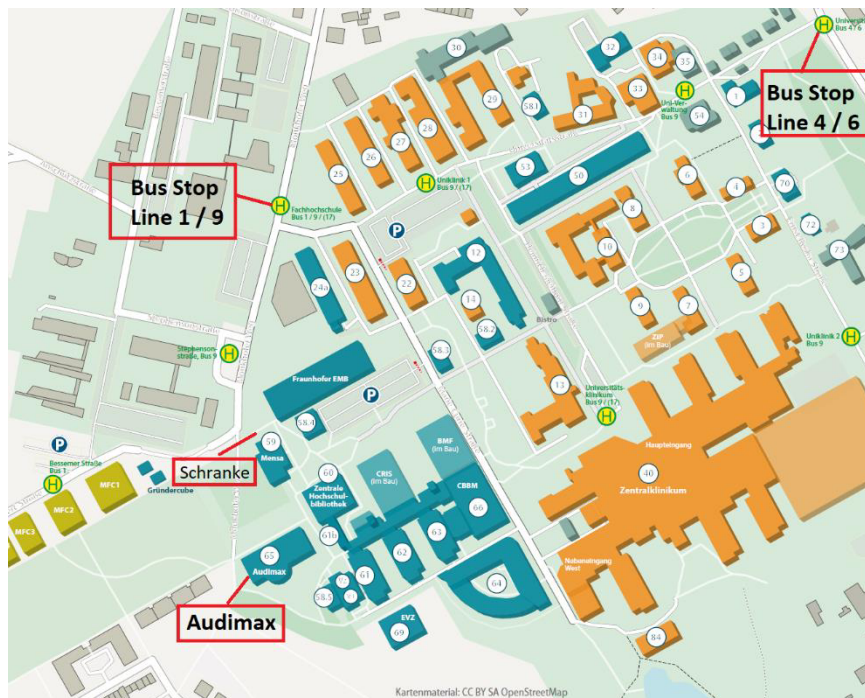
Dates and Opening Hours

	Registration	Congress	Poster Sessions	Industry Exhibition	Trainee Day
Sunday 24 August	14:00 – 16:30	16:45 – 20:00		14:00 – 20:00	09:00 – 16:00
Monday 25 August	08:00 – 08:45	09:00 – 18:00	12:40 – 14:00	08:30 – 18:00	
Tuesday 26 August	08:00 – 08:45	09:00 – 18:00	12:30 – 14:00	08:30 – 19:00	
Wednesday 27 August	08:00 – 08:45	09:00 – 12:30		08:30 – 12:30	
Thursday 28 August	08:00 – 08:45	09:00 – 14:30	12:30 – 14:00	08:30 – 14:00	

Venue Address

Audimax Building
Universität zu Lübeck
Mönkhofer Weg 239
D-23562 Lübeck
Coordinates: 53.834272, 10.700148

Map and directions are available on the congress website <https://ebrs-online.org/index.php/events/ebrs2025.html>.



Congress Dinner

Wednesday 27 August, 19:00-23:00
Schuppen 9
An der Untertrave 1A
23552 Lübeck
Coordinates: 53.874218, 10.689839

Only participants who have booked the dinner are invited to attend. Please wear your name badge.

Badges

Each registered participant will receive a name badge at the registration desk. For organizational and security reasons, we ask that all participants and exhibitors wear their badges at all times during the congress activities.

Abstract Book

An abstract book is available on the congress website <https://ebsr-online.org/index.php/events/ebsr2025.html>.

Wi-Fi

Most universities and research institutions use eduroam. Members of such institutions have internet access in the public areas of the UzL via the WLAN network eduroam.

W-LAN network: UzL-Konferenz-WPA. Log in with your personal account. Username and password can be found on the back side of the name badge.

Acknowledgements

EBRS 2025 is grateful to the following institutions and organizations for their support of the XVIII Congress of the European Biological Rhythms Society.



Frontiers in
Physiology

A journal by frontiers

Program

Sunday 24 August 2025

08:00 – 09:00 - Trainee day check-in and coffee

09:00 – 09:15 - Welcome by the EBRs Trainee Board / Betty Rodriguez-Cortes (France)

09:15 – 10:00 - Keynote lecture (AM 2)

Neuroendocrine mechanisms of seasonal adaptation and maladaptation

Speaker: Valérie Simonneaux (France)

10:15 – 11:00 - Trainee day session 1

AM 2: Basics of chronobiology: entrainment - Andrew Millar (UK)

AM 3: The SCN achieves global impact through relay and amplification of diffusible signaling - Rae Silver (USA)

AM 4: PhD survival kit - Arisa Hirano (Japan)

11:00 – 11:15 - Coffee break

11:15 – 12:00 - Trainee day session 2

AM 2: Evolution of the circadian system - Emi Nagoshi (Switzerland)

AM 3: Clocks in different environments - Alex West (Norway) & Noga Kronfeld-Schor (Israel)

AM 4: Is there life after PhD? Academia vs. industry - Pieterjan Dierickx (Germany) & Yuanyuan Chen (Germany)

12:00 – 13:15 - Lunch break

13:15 – 14:00 - Trainee day session 3

AM 2: Circadian rhythms in plants - Alex Webb (UK)

AM 3: State-of-the-art strategies in human circadian biology – Frank Scheer (USA)

AM 4: Sex differences in circadian regulation - Horacio de la Iglesia (USA)

14:00 – 14:30 - Coffee break

14:30 – 15:15 - Trainee day session 4

AM 2: Circadian biology in clinical setting - Laura Kervezee & Dirk Jan Stenvers (Netherlands)

AM 3: Non-traditional model organisms in chronobiology - Kristin Tessmar-Raible (Austria) & Martha Meroow (Germany)

AM 1: Trends and future of chronobiology - Ruud Buijs (Mexico) & Satchin Panda (USA)

15:15 – 16:00 - Trivia quiz and closing remarks

14:00 – 16:30 - Registration for EBRs Congress (Foyer)

16:45 – 17:00 – Welcome & congress opening (AM 1)

Helge Braun (President, University of Lübeck) and Henrik Oster (Congress Chair)

17:00 – 17:45 - Opening keynote (AM 1)

Chrononutrition to optimize health

Speaker: Frank Scheer (USA)

Chair: Henrik Oster (Germany)

18:00 – 20:00 - Welcome reception (Foyer)

MONDAY 25 August 2025

09:15 – 10:00 - Kappers lecture (AM 1)

Melatonin and metabolomics: tracking central and peripheral clock rhythms in humans

Chair: Christian Cajochen (Switzerland)

Speaker: Debra Skene (UK)

10:00 – 10:30 - Coffee break

10:30 – 12:30 (AM 1) - Symposium 1: Clocks in the brain

Chairs: Alena Sumová (Czech Republic) & Shahar Amichai (Israel)

- 10:30 Suprachiasmatic circadian circuits - Mick Hastings (UK)
- 10:55 The SCN neuronal network in diurnal animals - Johanna Meijer (Netherlands)
- 11:20 Visualization of cellular and network rhythmicity in the suprachiasmatic nucleus in vivo - Alec Davidson (USA)
- 11:45 How clocks talk to clocks globally - Rae Silver (USA)
- 12:10 Zinc finger homeobox-3 (ZFHX3) orchestrates genome-wide daily gene expression in the suprachiasmatic nucleus - Akanksha Bafna (UK)

10:30 – 12:30 (AM 2) - Symposium 2: Metabolism

Chairs: Etienne Challet (France) & Andrew Biancolin (Switzerland)

- 10:30 Rhythms in the gut - a novel link between diet and metabolism? - Silke Kiessling (Germany)
- 10:55 From circadian clock resetting to hepatopulmonary syndrome - Gad Asher (Israel)
- 11:20 Human meal anticipation - Cheryl Isherwood (UK)
- 11:45 A sexually dimorphic hepatic cycle of periportal VLDL generation and subsequent pericentral VLDLR-mediated re-uptake - Tomaz Martini (Slovenia)
- 12:00 Protein secretion ex vivo reveals regulation of hepatokines by the liver circadian clock - Kevin Koronowski (USA)
- 12:15 Re-scoping ultradian metabolism - Daan van der Veen (UK)

10:30 – 12:30 (AM 3) - Symposium 3: Biological timing in psychiatric disorders & mental health

Chairs: Thomas Erren (Germany) & Emma van Andel (Netherlands)

- 10:30 The light-dark cycle during development and later life affective disorders - Philip Lewis (Germany)
- 10:55 New approaches to studying mechanisms underlying sleep and circadian rhythm disruption in mental health - Stuart Peirson (UK)
- 11:20 Delayed sleep timing and mental disorder: implications and interventions - Nicholas Meyer (UK)
- 11:45 Relaxation of social time pressure extends fasting and reveals a tight coupling between sleep/wake and fast/eat daily behaviors - Maria Korman (Israel)
- 12:00 Evening light reduction for improving depressive and insomnia symptoms in people taking an SSRI - Rebecca Fitton (Australia)
- 12:15 Impact of night shifts on cognitive, psychological, and cardiovascular health: findings from the OPTI-SHIFT observational study - Friedrich Jassil (Switzerland)

10:30 – 12:30 (AM 4) - Symposium 4: Short and long clocks

Chairs: Kristin Tessmar-Raible (Austria) & Charlotte Förster (Germany)

- 10:30 Lunar effects on the behavior of humans and other primates - Horacio de la Iglesia (USA)
- 10:55 Photoperiodism: insights from insects - Sakiko Shiga (Japan)
- 11:20 Timing in the deep sea: circatidal rhythms in a hot vent shrimp - Jin Sun (China)
- 11:45 Faster clock in mice and cells lacking mRNA cap methylation - Jean-Michel Fustin (UK)
- 12:00 Circadian clock-independent ultradian rhythms in lipid metabolism in the *Drosophila* fat body - Emi Nagoshi (Switzerland)

12:15 *Platynereis dumerilii* as a functional molecular model organism for circalunar clock analyses - Kristin Tessmar-Raible (Austria)

12:30 – 12:40 - Group photo of all participants (entrance stairs)

12:40 – 14:00 - Lunch break and poster session A

14:00 – 16:00 (AM 3) - Symposium 5: Cell biology

Sponsored by 3Brain AG

Chairs: Ganna Panasyuk (France) & Melissa Pisteljic (Switzerland)

- 14:00 Allele-specific expression in circadian clock genes across multiple tissues in baboons - Satchidananda Panda (USA)
- 14:25 Investigating the mechanisms driving TRE-induced fat loss - Mimi Shirasu-Hiza (USA)
- 14:50 tbd - David Jacobi (France)
- 15:15 Linking the establishment of circadian rhythm with the establishment of long-term epigenetic silencing - Marine Blewitt (Australia)
- 15:40 Role of GRIP1 as a coactivator in *Bmal1* promoter rhythm formation - Masaaki Ikeda (Japan)

14:00 – 16:00 (AM 1) - Symposium 6: Clock, brain and behavior

Chairs: Johanna H. Meijer (Netherlands) & Lukasz Chobrok (UK)

- 14:00 A mechanism for circadian rest time allocation - Masao Doi (Japan)
- 14:25 Clock in the choroid plexus is a gatekeeper for the brain - Alena Sumová (Czech Republic)
- 14:50 On the role of circadian dopamine rhythms in mammalian time memory - Martin Ralph (Canada)
- 15:15 Elucidating the mechanisms of bright light therapy via Per1 - Dan-Adrian Epuran (Switzerland)
- 15:30 Identification of the key diffusible output factor that regulates circadian behavioral rhythms - Shota Miyazaki (Japan)
- 15:45 Light intensity modulates thermoregulation in a cooling environment - Francesca Borghese (Netherlands)

14:00 – 16:00 (AM 2) - Symposium 7: Circadian medicine: detecting the clock

Chairs: Achim Kramer (Germany) & Salma Thalji (Germany)

- 14:00 Circadian clock detection in humans: challenges and opportunities - Derk-Jan Dijk (UK)
- 14:25 Decoding circadian clock state heterogeneity at single-cell resolution - Felix Naef (Switzerland)
- 14:50 Temporal patterns in circadian alignment: insights from real-life behavioral data - Luisa Klaus Pilz (Germany)
- 15:15 Telling time from intercellular communication in the blood-brain barrier - Rachael Ralph (UK)
- 15:30 Quantifying circadian rhythmicity in vital signs of preterm infants in the NICU: a cosinor-based approach - Roos Bos (Netherlands)
- 15:45 Little overlap in circadian phase biomarker predictors developed from different methods/datasets, but overlap in underlying biological processes - Simon Archer (UK)

14:00 – 16:00 (AM 4) - Symposium 8: Evolution

Chairs: Emi Nagoshi (Switzerland) & Tobias Kaiser (Germany)

- 14:00 Evolution of circadian clock genes - David Doležal (Czech Republic)
- 14:25 Mechanisms underlying circadian plasticity loss in an equatorial endemic species - Michael Parviz Shahandeh (Switzerland)
- 14:50 Punctual parasites: why are rhythms advantageous? - Sarah Reece (UK)
- 15:15 Circadian and ultradian membrane potential rhythms in hawkmoth olfactory receptor neurons depend on Orco, indicative of an endogenous multiscale membrane clockwork - Anna Schneider (Germany)
- 15:30 Towards a molecular understanding of moon-controlled timers: Linking the light valence detector L-Cry to the circalunar clock in the marine annelid *Platynereis dumerilii* - Aida Coric (Austria)
- 15:45 Cryptochrome and magnetic fields in *Drosophila* - Charalambos Kyriacou (UK)

16:00 – 16:30 - Coffee break

16:30 – 18:15 (AM 1) - Symposium 9: President's symposium

Chair: Charalambos Kyriacou (UK)

- 16:30 Introduction by the chair
- 16:35 Circadian anti-tumor immune responses - Christoph Scheiermann (Switzerland)
- 17:00 Who, when, where: tissue-specificity in the plant circadian system - Maria Nohales (Spain)
- 17:25 Asthma... it's about time! - Hannah Durrington (UK)
- 17:50 What drives daily rhythms in physiology? - John O'Neill (UK)

20:00 – 21:00 – npj drinks at Bar Celona* (see attendance list at registration desk on Monday)

*: Hafenstraße 1, 23568 Lübeck, coordinates: 53.875776, 10.690962



Tuesday 26 August 2025

08:15 – 09:00 - EBRS Board meeting (by invitation only) (AM S2)

09:10 – 09:15 - Opening of Leopoldina Symposium (AM 1)

Speaker: Horst-Werner Korf (Germany)

09:15 – 10:00 - Axelrod lecture (AM 1) - part of Leopoldina symposium

Discovering the ins and outs of the SCN based on its prototypical neurotransmitter vasopressin

Chair: Ruud Buijs (Mexico)

Speaker: Andries Kalsbeek (Netherlands)

10:00 – 10:30 - Coffee break

10:30 – 12:30 (AM 1) - Symposium 10: ESRS-EBRS joint symposium - part of Leopoldina symposium

Chairs: Stuart Peirson (UK) & Katarina Nahtigal (Slovenia)

- 10:30 Sleep & rhythm in neurodegeneration - Dieter Kunz (Germany)
- 10:55 Effects of photoperiod in development and adulthood on sleep - Tom de Boer (Netherlands)
- 11:20 Sleep is for brain cleaning – mechanisms and function of the glymphatic system - Natalie Hauglund (UK)
- 11:45 Stimulating waves – sleep and memory consolidation - Lisa Marshall (Germany)
- 12:10 Impacts of night work and seasonal variation on wearable-derived sleep architecture in arctic industrial workers - Fred Haugen (Norway)

10:30 – 12:30 (AM 2) - Symposium 11: Endocrine function

Chairs: Charna Dibner (Switzerland) & Ameena Khan Sullivan (UK)

- 10:30 Is there an optimal time of the day to exercise? - Anna Krook (Sweden)
- 10:55 Control of hepatic transcriptional and metabolic rhythms by glucocorticoid hormones - Fabiana Quagliarini (Germany)
- 11:20 Restoring 24-hour substrate rhythmicity to improve glycemic control by timing of lifestyle factors - Joris Hoeks (Netherlands)
- 11:45 Cellular clocks on steroids: how glucocorticoids signal time of day to circadian clocks - Anna Edmondson(UK)
- 12:00 Night work affects diurnal rhythms of cortisol, melatonin, and testosterone in permanent night workers - Anne Helene Garde (Denmark)
- 12:15 Diurnal variation in human plasma metabolites and circadian hormones across seasons - Namrata Roy Chowdhury (UK)

10:30 – 12:30 (AM 3) - Symposium 12: Circadian medicine: targeting the clock

Chairs: Sara Montagnese (Italy) & Katarina Stebelova (Slovakia)

- 10:30 Emerging links between the sleep and circadian system and cardiometabolic disease - David Ray (UK)
- 10:55 The potential of circadian medicine to prevent delirium in the ICU and post-intensive care syndrome - Claudia Spies (Germany)
- 11:20 Minding the implementation gap in circadian medicine: lessons from ADHD - Andrew Coogan (Ireland)
- 11:45 Impact of early vs. late time-restricted eating on glucose and lipid profiles and internal circadian time in overweight or obese women - Olga Ramich (Germany)
- 12:00 Clocking the clot: a novel use for a circadian clock compound to restore clot breakdown pathways inhibited by inflammation - Paula Klavina (Ireland)
- 12:15 Targeting BMAL1 to develop various circadian medicines - Hua Pu (UK)

10:30 – 12:30 (AM 4) - Symposium 13: Clocks in the wild

Chairs: Till Roenneberg (Germany) Leo Creasey (Israel)

- 10:30 The circadian clock in the deep sea - Audrey Mat (Austria)
- 10:55 Effects of environmental factors on rhythms in mosquito-host interactions - Clément Vinauger (USA)
- 11:20 Ultradian sleep cycle dynamics during human infancy - Grégory Hammad (Belgium)
- 11:45 Light pollution alters immune rhythmicity and function in nocturnal and diurnal wild rodents - Hagar Vardi-Naim (Israel)
- 12:00 Weak coupling between energetic status and timing of seasonal reproduction in an Arctic ungulate - David Hazlerigg (Norway)
- 12:15 Entrainment in natural conditions - Pirita Paajanen (UK)

12:30 – 14:00 - Lunch break and poster session B

14:00 – 16:10 (AM 1) - Symposium 14: Post-translational regulations in clock and sleep (JSC-EBRS joint symposium and part of Leopoldina Symposium)

Chairs: Sato Honma (Japan) & Yoichi Tanaka (Japan)

- 14:00 Mouse circadian proteome atlas and post-translational regulations in the circadian clock - Hikari Yoshitane (Japan)
- 14:25 Towards human systems biology of sleep/wake cycles: the role of calcium and phosphorylation in sleep - Hiroki Ueda (Japan)
- 14:50 Beyond timekeeping: roles of post-translational modifications of clock proteins - Arisa Hirano (Japan)
- 15:15 Digital twins for circadian-sleep health? - Anne Skeldon (UK)
- 15:30 Perinatal photoperiod has lasting effects on the sleep-wake cycle and the circadian system - Rick van Dorp (Netherlands)
- 15:45 Influence of circadian phenotypes on excessive sleepiness, sleep disturbance and performance in patients with shift-work disorder - Luisa Marot (USA)

14:00 – 16:00 (AM 4) - Symposium 15: Molecular sleep circuits

Chairs: Henrik Bringmann (Germany) & Hugo Calligaro (USA)

- 14:00 Cortical interneurons convey infraslow oscillations during sleep - Niels Niethard (Germany)
- 14:20 Sleep deprivation enhances decision making in larval zebrafish - Hanna Zwaka (Germany)
- 14:40 Network synchrony creates neural filters promoting quiescence in *Drosophila* - David Oswald (Germany)
- 15:00 Sleep - a worm's-eye view - Henrik Bringmann (Germany)
- 15:15 Lovit protein in photoreceptors regulates histamine-mediated *Drosophila* sleep - Mehran Akhtar (UK)
- 15:30 Genetic basis of the natural polymorphisms of sleep-wake rhythms in *Drosophila* - Chiara Bettini (Germany)
- 15:45 VIP and its receptor (VPAC2R) in circadian timing of the sleep-wake cycles - Jens Hannibal (Denmark)

14:00 – 16:00 (AM 3) - Symposium 16: Metabolic disorders

Chair: Chair: Susanne la Fleur & Dirk Jan Stenvers (Netherlands)

- 14:00 Neuronal circadian circuit controlling metabolism during sleep revealed by an engineered transcriptional switch - Jonathan Cedernaes (Sweden)
- 14:25 Defining the islet cell-specific binding landscape of core-clock protein BMAL1 - Charna Dibner (Switzerland)
- 14:50 The circadian control of energy metabolism: implications for people with obesity, type 2 diabetes, and shift workers - Dirk Jan Stenvers (Netherlands)
- 15:15 Effect of chronodisruption on gut circadian clock rhythmicity in human intestinal organoids - Alice Denis (Belgium)

- 15:30 The impact of misalignment with the external light cycle on diabetic retinopathy - Eleni Beli (UK)
- 15:45 Tert deletion impairs circadian regulation of blood pressure in spontaneously hypertensive rats - Kateryna Semenovykh (Czech Republic)

14:00 – 16:00 (AM 2) - Symposium 17: Neural circuits controlling circadian timekeeping

Chairs: Marco Brancaccio (UK) & Daisuke Ono (Japan)

- 14:00 Glial control of circadian rhythms - Marco Brancaccio (UK)
- 14:25 Dissecting the neural network of mammalian circadian clock - Jun Yan (China)
- 14:50 The role of oligodendroglia in sleep and circadian rhythms - Erin Gibson (USA)
- 15:15 GABA transmission in AVP neurons of the SCN is essential for regular estrous cycling in mice - Takahiro Nakamura (Japan)
- 15:30 Integrity of the circadian clock determines regularity of high-frequency and diurnal LFP rhythms within and between brain areas - Dominic Landgraf (Germany)
- 15:45 Role of Ca²⁺ signaling for oscillation of circadian transcriptional circuits - Naohiro Kon (Japan)

16:00 – 16:30 - Coffee break

16:30 – 17:00 - Discussion on statements (AM 2)

Circadian medicine and daylight saving time changes

17:15 – 18:00 - JSC lecture (AM 1) - part of Leopoldina Symposium

Neuronal feedback loop in the mammalian central circadian clock

Chair: Yasufumi Shigeyoshi (Japan)

Speaker: Michihiro Mieda (Japan)

18:15 – 19:00 – Leopoldina public lecture (AM 1) - part of Leopoldina Symposium

Lernen im Schlaf, kein Traum

Chair: Horst-Werner Korf

Speaker: Jan Born (Germany)

Wednesday 27 August 2025

09:15 – 10:00 - Gwinner lecture (AM 1)

On assumptions and hypotheses: two unlikely chronobiology stories, *Bacillus* and the stonechat

Chair: Luisa Klaus Pilz (Germany)

Speaker: Martha Merrow (Germany)

10:00 – 10:30 - Coffee break

10:30 – 12:30 (AM 2) - Symposium 18: Systems chronobiology

Chair: Felix Naef (Switzerland) & Franz Aschel (Germany)

- 10:30 Hair test reveals plasticity of human chronotype - Achim Kramer (Germany)
- 10:55 PDF-mediated seasonal plasticity of locomotor activity in *Drosophila melanogaster* - Nils Reinhard (Germany)
- 11:20 Systemwide transcriptome and behavioral plasticity as an adaptation strategy to changing energy demand - Laura van Rosmalen (USA)
- 11:45 The balancing act of the SCN - Ruud M Buijs (Mexico)
- 12:10 A systems biology approach to analyze intercellular coupling of peripheral circadian clocks - Franck Delaunay (France)

10:30 – 12:30 (AM 1) - Symposium 19: Wherefore a TTFL?

Chairs: Martin Ralph (Canada) & Sylvia Adriana Newbold (UK)

- 10:30 Preparation for food availability, and other important things - Ralph Mistlberger (Canada)
- 10:55 A dopamine regulated circadian resonator underlying sensorimotor integration - Adam Stinchcombe (Canada)
- 11:20 The post-translational nature of mammalian circadian timekeeping - Andrei Mihut (UK)
- 11:45 The chronology of developing cells: epigenomic and transcriptomic oscillations are interlinked with linear trajectories - Art Petronis (Lithuania)
- 12:10 A functional analysis of circadian pacemakers in *mPers*-deficient mice - Wataru Nakamura (Japan)

10:30 – 12:30 (AM 4) - Symposium 20: Circadian medicine in patient care

Chairs: Laura Kervezee (Netherlands) & Filippo Pigazzani (UK)

- 10:30 Light, circadian rhythms, and psychiatry - Elise McGlashan (Australia)
- 10:55 Sampling in the real world: what can ambulatory biosampling tell us about our rhythms? - Thomas Upton (UK)
- 11:20 Circadian medicine in the intensive care unit - Laura Kervezee (Netherlands)
- 11:45 Can translational studies help to determine the optimal time point for cancer therapy in humans? - Horst-Werner Korf (Germany)
- 12:00 Effect of cyclic daytime versus continuous enteral nutrition on circadian rhythms in patients in the intensive care unit: a randomized controlled trial - Floor Willemijn Hiemstra (Netherlands)
- 12:15 Preliminary results of a scoping review of use of wearables and internet of things technologies in circadian medicine - Eduardo Salgado (Germany)

10:30 – 12:30 (AM 3) - Symposium 21: Clocks in diverse species

Chairs: Cristiano Bertolucci (Italy) & Abhishek Chatterjee (France)

- 10:30 Interplay of circadian clocks, DNA damage, and sleep patterns in cnidarians with divergent chronotypes - Oren Levy (Israel)
- 10:55 The sexy clock of the bee: the influence of sex and caste on circadian rhythms - Guy Bloch (Israel)
- 11:20 Clocks in the dark: adaptations of circadian clocks in cave animals - Nicholas Foulkes (Germany)
- 11:45 Low-temperature dynamics in single cyanobacterial cells highlight critical features of circadian clock response - Irina Mihalcescu (France)
- 12:00 How beetles tick- Insights into the circadian system of the model species *Tribolium castaneum* - Tobias Prüser (Germany)

12:15 The membrane hand of the circadian clock in flies and mice: experimental and modelling insights
- Edgar Buhl (UK)

12:30 – 14:00 - EBRS members' assembly (AM 1)

14:00 – 19:00 - Free time or social activities

19:00 – 23:00 – Gala dinner in Schuppen 9* (entrance from the river side)

Award of the Kappers Medal

Award of Ashoff's Ruler

*An der Untertrave 1A, 23552 Lübeck; coordinates: 53.874218, 10.689839



Thursday 28 August 2025

09:15 – 10:00 - Keynote lecture (AM 1)

Circadian temporal organization of behavior and its benefits in insects

Chair: Francois Rouyer (France)

Speaker: Ralf Stanewsky (Germany)

10:00 – 10:30 - Coffee break

10:30 – 12:30 (AM 4) - Symposium 22: Computation and modeling

Chairs: Hanspeter Herzel (Germany) & Anjoom Nikhat (India)

- 10:30 Mathematical modeling and controlling of spatiotemporal dynamics in *Arabidopsis* circadian clock - Isao Tokuda (Japan)
- 10:55 Deciphering the role of rhythmic stability for circadian dynamics through single-cell analysis and mathematical modeling - Marta del Olmo (Spain)
- 11:20 Fundamental limits to (Deep) Learning circadian clock phase from single-cell snapshot data - Shaon Chakrabarti (India)
- 11:45 Modelling entrainment in *Arabidopsis*- Alex Webb (UK)
- 12:00 WANTED: nonlinearities & long delays - HansPeter Herzel (Germany)
- 12:15 PyCycleBio: modelling non-sinusoidal-oscillator systems in circadian biology - Alex Bennett (Sweden)

10:30 – 12:30 (AM 1) - Symposium 23: Circadian regulation of immunity

Chairs: Hannah Durrington (UK) & Constant Tellinga (Switzerland)

- 10:30 Host immune responses and circadian rhythms in the context of malaria and leishmaniasis - Nicolas Cermakian (Canada)
- 10:55 The molecular circadian clock in asthma - Eva Böhm (Austria)
- 11:20 Exploring the role of circadian rhythms in neurodevelopmental disorders - Paola Tognini (Italy)
- 11:45 Time-restricted feeding provides limited microglial immunometabolic improvements in diet-induced obese rats - Han Jiao (Netherlands)
- 12:00 Uncovering the circadian basis of vascular homeostasis - Mahak Singhal (Germany)
- 12:15 Chronic inflammatory arthritis alters the circadian rhythms of liver macrophages - Siyu Chen (UK)

10:30 – 12:30 (AM 3) - Symposium 24: At the intersection of light, sleep, and circadian timing (ACS-EBRS joint symposium)

Chairs: Oliver Rawashdeh (Australia) & Thomas Kantermann (Germany)

- 10:30 Interactive effects of sleep, circadian timing, and light on mood and cognition in adolescents - Shanthakumar Wilson Rajaratnam (Australia)
- 10:55 Individual variability in light-dark patterns and circadian entrainment - Julia Stone (Australia)
- 11:20 New perspectives on the molecular control of circadian timing and sleep - Oliver Rawashdeh (Australia)
- 11:45 Ultradian cycles within sleep: how are they shaped by circadian and sleep homeostatic processes? - Zoe Ilona Spock (UK)
- 12:00 Misalignment of peripheral circadian rhythms is associated with irregular sleep - Billy Smith (UK)
- 12:15 Mapping the conflict between social time and sun time: sleep patterns from a large wearable data donation project confirm spatiotemporal solar influences year-round - Eva Winnebeck (UK)

10:30 – 12:30 (AM 2) - Symposium 25: Seasonality

Chairs: Takashi Yoshimura (Japan) & Francesca Conti (Italy)

- 10:30 Hypothalamic tanycytes as mediators of maternally programmed seasonal plasticity - Shona Wood (Norway)
- 10:55 Photoperiodism and temperature interaction in voles - Roelof Hut (Netherlands)
- 11:20 The winter blue-greens: how cyanobacteria anticipate the seasons - Luisa Jabbur (UK)

- 11:45 Longitudinal variation in sleep and circadian rhythms across season and photoperiod: results from the Ecology of Human Sleep (EcoSleep) cohort study - Anna Biller (Germany)
- 12:00 How daily and seasonal timing aids polar adaptation in antarctic krill (*Euphausia superba*) - Lukas Hüppe (Germany)
- 12:15 Seasonal signaling between the *pars tuberalis* and tanycytes: a comparative study between a mammal and bird - Anna Hofinger (Norway)

12:30 – 14:00 - Lunch break and poster session C

14:00 – 14:30 – Awards & congress closing

List of speakers and affiliations

Give Name	Family Name	Institution
Mehran	Akhtar	University of Leicester, UK
Simon	Archer	University of Surrey, UK
Gad	Asher	Weizmann Institute of Science, Israel
Akanksha	Bafna	University of Oxford, UK
Eleni	Beli	Queens University Belfast, Ireland
Alex	Bennett	University of Gothenburg, Sweden
Chiara	Bettini	Münster University
Anna	Biller	Technische Universität München, Germany
Marnie	Blewitt	WEHI - Walter and Eliza Hall Institute, Australia
Guy	Bloch	Hebrew University of Jerusalem, Israel
Eva	Böhm	Medical University of Graz, Austria
Francesca	Borghese	University of Groningen, Netherlands
Jan	Born	University Hospital Tübingen, Germany
Roos	Bos	UMC Utrecht, Netherlands
Marco	Brancaccio	Imperial College London, UK
Henrik	Bringmann	TU Dresden, Germany
Edgar	Buhl	University of Bristol, UK
Ruud	Buijs	Instituto Investigaciones Biomedicas UNAM, Mexico
Jonathan	Cedernaes	Uppsala University, Sweden
Nicolas	Cermakian	McGill University, Canada
Shaon	Chakrabarti	National Centre for Biological Sciences, India
Siyu	Chen	University of Oxford, UK
Namrata Roy	Chowdhury	University of Surrey, UK
Andrew	Coogan	Maynooth University, Ireland
Aida	Coric	University of Vienna, Austria
Alec	Davidson	Morehouse School of Medicine, USA
Horacio	de la Iglesia	University of Washington, USA
Tom	Deboer	Leiden University Medical Center, Netherlands
Marta	del Olmo	Humboldt Universität zu Berlin, Germany
Franck	Delaunay	Université Côte d'Azur, France
Alice	Denis	KU Leuven, Belgium
Charna	Dibner	University of Geneva, Switzerland
Derk-Jan	Dijk	University of Surrey, UK
MASAO	DOI	Kyoto University, Japan
David	Doležal	Biology Centre CAS, Czech Republic
Hannah	Durrington	University of Manchester, UK
Anna	Edmondson	MRC Laboratory of Molecular Biology, Cambridge, UK
Dan-Adrian	Epuran	University of Fribourg, Switzerland
Rebecca	Fitton	Monash University, Australia
Nicholas	Foulkes	Karlsruhe Institute of Technology, Germany
Jean-Michel	Fustin	University of Manchester, UK
Anne Helene	Garde	National Research Centre for the Working Environment, Denmark

Erin	Gibson	Stanford University School of Medicine, USA
Gregory	Hammad	University of Surrey, UK
Jens	Hannibal	Bispebjerg and Frederiksberg Hospital, Danmark
Michael	Hastings	MRC Laboratory of Molecular Biology, Cambridge, UK
Fred	Haugen	National Institute of Occupational Health, Norway (STAMI), Norway
Natalie	Hauglund	University of Oxford, UK
David	Hazlerigg	Arctic university of Norway, Norway
Hans-Peter	Herzel	Humboldt Universität zu Berlin, Germany
Floor Willemijn	Hiemstra	Leiden University Medical Center, Netherlands
Arisa	Hirano	University of Tsukuba, Japan
Joris	Hoeks	Maastricht University, Netherlands
Anna	Hofinger	UiT - The Arctic University of Norway, Norway
Lukas	Hüppe	Alfred Wegener Institute - Helmholtz-Centre for Polar and Marine Research, Germany
Roelof	Hut	Groningen Institute for Evolutionary Life Sciences, Netherlands
Masaaki	Ikeda	Saitama Medical University, Japan
Cheryl	Isherwood	University of Surrey, UK
Luisa	Jabbur	John Innes Centre, Norwich, UK
David	Jacobi	Nantes Université, France
Friedrich C.	Jassil	University of Geneva, Switzerland
Han	Jiao	Amsterdam UMC, Netherlands
Andries	Kalsbeek	Amsterdam UMC, Netherlands
Laura	Kervezee	Leiden University Medical Center, Netherlands
Silke	Kiessling	University of Surrey, UK
Paula	Klavina	Royal College of Surgeons in Ireland (RCSI), Ireland
Naohiro	Kon	National Institutes for Quantum Science and Technology, Japan
Horst-Werner	Korf	Heinrich Heine Universität Düsseldorf, Germany
Maria	Korman	Ariel University, Israel
Kevin	Koronowski	University of Texas Health Science Center San Antonio, USA
Achim	Kramer	Charité - Universitätsmedizin Berlin, Germany
Anna	Krook	Karolinska Institutet, Sweden
Dieter	Kunz	Charité - Universitätsmedizin Berlin, Germany
Charalambos	Kyriacou	University of Leicester, UK
Dominic	Landgraf	Ludwig-Maximilians-Universität München (LMU), Germany
Oren	Levy	Bar Ilan University, Israel
Philip	Lewis	University Hospital of Cologne, Germany
Luisa	Marot	University of Colorado - Boulder, USA
Lisa	Marshall	University of Lübeck, Germany
Tomaz	Martini	University of Maribor, Slovenia
Audrey	Mat	University of Vienna, Austria
Elise	McGlashan	University of Melbourne, Australia
Johanna	Meijer	Leiden University Medical Center, Netherlands
Martha	Merrow	LMU, Germany
Nicholas	Meyer	UCLH NHS Foundation Trust, UK
Michihiro	Mieda	Kanazawa University, Japan
Irina	Mihălescu	Université Grenoble Alpes, CNRS, LIPhy, France

Andrei	Mihut	MRC Laboratory of Molecular Biology, Cambridge, UK
Ralph	Mistlberger	Simon Fraser University, Canada
Shota	Miyazaki	Nagoya University, Japan
Felix	Naef	École Polytechnique Fédérale de Lausanne, Switzerland
Emi	Nagoshi	University of Geneva, Switzerland
Takahiro	Nakamura	Meiji University, Japan
Wataru	Nakamura	Nagasaki University, Japan
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Satchin	Panda	Salk Institute, USA
Stuart	Peirson	University of Oxford, UK
Art	Petronis	Vilnius University, Lithuania
Luisa Klaus	Pilz	Charité - Universitätsmedizin Berlin, Germany
Tobias	Prüser	Universität Münster, Germany
Hua	Pu	University of Oxford, UK
Fabiana	Quagliarini	TUM and Helmholtz Munich, Germany
Shanthakumar	Rajaratnam	Monash University, Australia
Rachael	Ralph	University of Warwick, UK
Martin	Ralph	University of Toronto, Canada
Olga	Ramich	Deutsches Institut für Ernährungsforschung, Germany
Oliver	Rawashdeh	The University of Queensland, Australia
David	Ray	University of Oxford, UK
Sarah	Reece	University of Edinburgh, UK
Nils	Reinhard	University of Würzburg, Germany
Eduardo	Salgado	Charité - Universitätsmedizin Berlin, Germany
Christoph	Scheiermann	University of Geneva, Switzerland
Anna C.	Schneider	Universität Kassel, Germany
Kateryna	Semenovych	Czech Academy of Sciences, Czech Republic
Michael	Shahandeh	Hofstra University, USA
Sakiko	Shiga	The University of Osaka, Japan
Mimi	Shirasu-Hiza	Columbia University, USA
Rae	Silver	Columbia University, USA
Mahak	Singhal	Heidelberg University, Germany
Anne	Skeldon	University of Surrey, UK
Debra	Skene	University of Surrey, UK
Billy	Smith	Newcastle University, UK
Claudia	Spies	Charité - Universitätsmedizin Berlin, Germany
Zoe Ilona	Spock	University of Surrey, UK
Dirk Jan	Stenvers	Amsterdam UMC, Netherlands
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Alena	Sumova	Institute of Physiology Czech Academy of Sciences, Czech Republic
Jin	SUN	Ocean University of China, China

Kristin	Tessmar-Raible	University of Vienna, Austria
Paola	Tognini	Sant'Anna School of Advanced Studies, Italy
Isao	Tokuda	Ritsumeikan University, Japan
Hiroki	Ueda	University of Tokyo, Japan
Thomas	Upton	University of Bristol, UK
Daan	v.d. Veen	University of Surrey, UK
Rick	van Dorp	Leiden University Medical Centre (LUMC), Netherlands
Laura	v. Rosmalen	The Salk Institute, USA
Hagar	Vardi-Naim	Tel Aviv University, Israel
Clement	Vinauger	Virginia Tech, USA
Alex	Webb	Cambridge University, UK
Alex	Webb	Cambridge University, UK
Alex	West	Universitetet i Tromsø, Norway
Eva	Winnebeck	University of Surrey, UK
Shona	Wood	UiT - The Arctic University of Norway, Norway
Jun	Yan	Center for Excellence in Brain Science and Intelligence Technology, CAS, China
Hikari	Yoshitane	Tokyo Metropolitan Institute of Medical Science, Japan
Hanna	Zwaka	Leibniz Institute for Neurobiology (LIN), Germany

Poster Session A – Monday 25 August 2025

P1	The liver clock drives circadian rhythms in white adipose tissue	Ivan Vlassakev
P2	Differences in responses to colored light exposure in Chronotype: An EEG-based analysis	Dr. Vani Vakode; Dr. Pooja Ojha; Dr. Mahesh Arjundan Gadhvi; Prof. Dr. Abhinav Dixit
P3	Functional Roles of Gastrin-Releasing Peptide-Producing Neurons in the Suprachiasmatic Nucleus: Insights into Photoc Entrainment and Circadian Regulation	Dr. Ruoshi Li
P4	Personalizing circadian hygiene educational initiatives aimed at University students - a focus on compliance	Gianluca Giusti PhD; Esther Domenie; Dr. Lisa Zarantonello; Dr. Chiara Mangini; Paolo Ferrari; Prof. Rodolfo Costa; Prof. Sara Montagnese
P5	Morning clock gene expression in young adults of early and late chronotypes	Dr. Bettina Krueger Dr; Dr. Luisa Sophie Rajcsanyi; Katharina Hundertmark; Dr. Bianca Stutz; Prof. Dr. Anke Hinney; Prof. Dr. Anette E. Buyken
P6	Chronotype off the shelf: Using wearable and smartphone data to evaluate Chronotype and Affective State	Dr. Martha Anne Apap Bologna
P7	mTORC drives daily rhythms in mammalian physiology	Dr. Aiwei Zeng
P8	The Intestinal Clock Regulates Host Metabolism and Microbial Rhythmicity in a Fiber-Dependent Manner	Dr. Marjolein Heddes
P9	Timed wheel-running modulates the coupling force between Evening and Morning oscillators governing activity onset and offset in mice	Dr. YUJIRO YAMANAKA PhD
P10	Analysis of the pathogenesis of epileptic seizures in Fbxl3 knockout mice.	Dr. Norie Deki PhD
P11	Early time-of-day dependent leukocyte changes in lung infection	Zeynep Melis Gul MSc; Prof. Dr. Christoph Scheiermann
P12	Molecular and functional SCNVP subpopulations discriminate sex and estrous cycle dependencies	Shahar Amichai; Karan Mahe; Viviana Gradinaru; Anat Kahan
P13	Investigating the role of photoreceptor neuronal activity in Neurocalcin-mediated sleep in Drosophila	Dr. Yu-Chien Hung
P14	Photoc Input and Development of the Mouse Suprachiasmatic Nucleus	Sylvia Adriana Newbold PhD; Kristian Händler PhD; Varun K.A. Sreenivasan PhD; Iratxe Elorduy; Naia Andikoetxea; Denise Ferrarini PhD; Prof. Dr. Henrik Oster PhD; Prof. Dr. Malte Spielmann PhD; Prof. Mariana Astiz PhD
P15	Circadian data analysis with the free, community resource BioDare2, and data description with standard ReadMe files	Prof. Andrew Millar FRSE ¹ ; BioRDM team the ²
P16	EBRS2025_Xinghua Li_ Investigating the Effect of alternative polyadenylation on Cancer Progression and Sleep	Xinghua Li

P17	Multi-faceted characterization of Early T-cell Precursor (ETP) Acute Lymphoblastic Leukemia (ALL) identifies essential deregulation of circadian and ultradian genes	Dr. Emanuele Murgo ¹ ; Dr. Costanzo Padovano; Dr. Elisabetta De Santis; Dr. Virginia Manuti; Dr. Vincenzo Giambra PhD; Prof. Gianluigi Ubaldo Mazzocchi MD ¹
P18	Leveraging Circadian Rhythms for Adoptive T Cell Therapies	Constant Tellinga MSc; Prof. Christoph Scheiermann
P19	Disrupting the liver circadian molecular clockwork affects systemic and intrarenal RAAS components in regulating blood pressure	Dr. Soha Abdelaliem Hassan Hassan PhD; Prof. Urs Albrecht PhD; Jürgen A. Ripperger
P20	Unravelling the Role of Salt-Inducible Kinases in Sleep and Circadian regulation: A Kinase Assay Linked Phosphoproteomics Approach	Yining Ru ¹ ; Otto Kauko PhD ² ; Aarti Jagannath DPhil ¹ ; Sridhar Vasudevan DPhil ¹
P21	Impact of Circadian Rhythm versus Light History on Mouse Innate Behaviors	Po-Yu Liao ¹ ; Giovanni Petraglia ² ; Dr. Katja Reinhard ¹
P22	Drosophila brain metabolism and cold resistance are altered by exposure to short photoperiods	Madhura Sapre; Prof. Dr. Charlotte Foerster
P23	The activity patterns of sheep are influenced by the amount of light during the night	Dr. Anouk van Beurden PhD ¹ ; Felix Albert; Elfi Meijer; Larissa Baan; Marijke Dirkson; Johanna Meijer
P24	Chronic CRYPTOCHROME deficiency enhances cell-intrinsic antiviral defences	Dr Christine Major-Styles PhD ¹ ; Dr Jack Munns PhD ² ; Dr. Aiwei Zeng PhD ¹ ; Dr Michael Vanden Oever PhD ¹ ; Dr John O'Neill PhD ² ; Dr Rachel Edgar PhD ¹
P25	The molecular circadian clock in Mediterranean deep-sea fish	Anna Albanese PhD student ¹ ; Dr. Salvatore D'Aniello ² ; Prof. Dr. Cristiano Bertolucci ¹ ; Dr. Fabio Crocetta ² ; Dr. Giacinto De Vivo ² ; Dr. Elena Frigato ¹
P26	Impact of Circadian Desynchronization on Tissue Clocks and Immune Regulation	Stefanie Fertig; Prof. Dr. Achim Kramer
P27	Effect of blue light blocking eyeglasses on nocturnal melatonin secretion in healthy Japanese subjects.	Yuma Onodera ¹ ; Naoko Kubota ¹ ; Nagomi Miyagi ² ; Noriko Matsuura ¹ ; Shinya Muramatsu ³ ; Yuji Kato ³ ; Yujiro Yamanaka ¹
P28	Functional characterization of the second feedback loop in the circadian clock of the Antarctic krill Euphausia superba	Chiara Stefanelli ¹ ; Davide Colaianni ¹ ; Gabriella M. Mazzotta ¹ ; Gabriele Sales ¹ ; Prof. Cristiano Bertolucci PhD ² ; Bettina Meyer ³ ; Alberto Biscontin ⁴ ; Cristiano De Pittà ¹
P29	Characterization of circadian and immune effects of ketamine in the rat	Mgr. Alex Kratina
P30	A sleep promoting role of light input pathway in Drosophila	Dr. Ko-Fan Chen PhD
P31	Interindividual variability in sensitivity to light synchronization effects and circadian characterization of individuals	Kateřina Skálová ¹ ; Barbora Toušková ² ; Filip Vrátný ³ ; PhDr. Jana Kopřivová PhD ⁴ ; doc. RNDr. Zdeňka Bendová PhD ¹
P32	c-fos induction in the choroid plexus, tanycytes and pars tuberalis is an early indicator of spontaneous arousal from torpor in a deep hibernator	Fredrik Markussen

P33	Amygdala as a retino-recipient target for assessing light's effects on affective state	Asshen Dedigama Acharige; Alzbeta Namesna; Dr. Annette Allen; Dr. Riccardo Storchi; Prof. Timothy Brown; Dr. Nina Milosavljevic
P34	A Naturalistic Light Monitoring Study Identifies Correlations Between Acute Light Exposure and Positive Mood	Chloe Roddis ¹ ; Dr. Altug Didikoglu ² ; Dr. Amy Gillespie PhD ³ ; Prof. Catherine Harmer PhD ³ ; Dr. Beatriz Bano-Otalora PhD ¹ ; Dr. Nina Milosavljevic PhD ¹
P35	Time-restricted feeding alleviates anxiety in male mice with neuropathic pain via modulation of circadian transcriptome in hypothalamus	Manqing Wen
P36	Species differences in neuronal circadian timekeeping and physiology	Emily Watson
P37	Mapping the Regulatory Architecture of Circadian Clock Adaptation: A Genome-Wide eQTL Analysis in <i>Drosophila melanogaster</i>	Maya Yair
P38	Time-Restricted Slow G-Protein Signaling in the SCN: A Mechanism for Rest Timing	Dr. Yoichi Tanaka PhD; Prof. Masao Doi PhD
P39	Effects of chronic jet-lag on behavior and circadian system in the rat	Klára Tučková ¹ ; Alex Kratina ² ; Aneta Kubištová ² ; Veronika Spišská ² ; Tomáš Petrásek PhD ¹ ; Zdeňka Bendová PhD ¹
P40	Climatic Adaptation of Human Circadian Genes	Leo Creasey
P41	Weekly environmental enrichment induces anxiolytic effect via hippocampal neurosteroid-biosynthesis in mice	Kaito Kurogi
P42	Immediate effect of LPS in rats exposed to constant light on gene expression in neuroendocrine tissues	Veronika Spišská ¹ ; Eliška Kotková ² ; Aneta Kubištová ² ; Zdeňka Bendová PhD
P43	Post-transcriptional regulation of core circadian genes by microRNA-27a-3p impacts malignant cell phenotype and patient outcome in human lung adenocarcinoma	Dr. Emanuele Murgo ¹ ; Prof. Marina Maria Bellet ² ; Dr. Anna Alessia Saponaro ¹ ; Dr. Olga Cela ³ ; Dr. Virginia Manuti ¹ ; Dr. Martina Ciarnelli ⁴ ; Dr. Claudia Stincardini ⁵ ; Prof. Giovanni Damiani ⁶ ; Dr. Marilena Pariano ⁵ ; Prof. Lauren Francey ⁷ ; Dr. Moris Sangineto ⁴ ; Prof. Gaetano Serviddio ⁴ ; Prof. Dr. John Hogenesch ⁷ ; Prof. Nazzareno Capitanio ⁴ ; Prof. Dr. Gianluigi Ubaldo Mazzocchi ¹ ; Prof. Tommaso Colangelo ⁴
P44	The impact of simulated chronic jet lag on the rhythmic gene expression in the adult rat brain	Aneta Kubištová ¹ ; Klára Tučková ² ; Alex Kratina ¹ ; Zdeňka Bendová PhD ¹
P45	Clonal Mapping of the Ontogeny of the Mouse Suprachiasmatic Nucleus	Denise Ferrarini PhD ¹ ; María Figueres Oñate; Carolina Pernia-Solanilla; Sylvia Adriana Newbold; Laura López Mascaraque; Mariana Astiz
P46	Analysis of clock gene expression in the Borwig organ of <i>Sarcophaga similis</i> larvae.	Masamichi Ae
P47	Skin DCs display circadian (24 hour) rhythms in metabolic function which may be harnessed to improve vaccine efficacy	Cloé Payet PhD
P48	Inferring circadian clock dysfunction using Neural-network based gene expression analysis	Anjoom Nikhat ¹ ; Dr. Shaon Chakrabarti PhD ¹ ; Dr. Praneeth Netrapalli PhD ²

P49	Behavioural plasticity of circadian clock can explain the invasion success of the blue crab (<i>Callinectes sapidus</i>)	Elia Gatto ¹ ; Gaia De Russi ¹ ; Francesca Conti ¹ ; Lou Cauchi ¹ ; Mattia Lanzoni ¹ ; Tyrone Lucon-Xiccato ¹ ; Sara Fratini ² ; Prof. Cristiano Bertolucci PhD ¹
P50	Hypothalamic neural circuit underlying circadian regulation of torpor	Dr. Daisuke Ono PhD ¹ ; Sheikh Mizanur Rahaman ¹ ; Shota Miyazaki ¹ ; Chang-Ting Tsai ¹ ; Akihiro Yamanaka ² ; Chi Jung Hung ¹ ; Michihiro Mieda ³ ; Takahiro Nakamura ⁴ ; Hiroshi Yamaguchi ⁵
P51	The diversity and consistency of what and when people eat	Tyler Tran ¹ ; Dr. Emily Manoogian PhD ¹ ; Zhaoyi Hou ¹ ; Shweta Varshney ¹ ; Jialu Sui ¹ ; Kyla Laing ¹ ; Jason Fleischer ² ; Prof. Satchidananda Panda PhD ¹
P52	Influence of Photoperiod on Affective Behavior and Brain Monoamines: A Sex-Comparative Study in Mice	Anna-Lena Müsch; Prof. Dr. Shinobu Yasuo
P53	Circadian rhythm tempers establishment of X chromosome inactivation	Dr. Andrew Keniry
P54	Exploring dopamine signaling in the central clock of rats	Dr. Valentina Sophia Rumanova PhD; Yvonne Butter; Prof. Susanne la Fleur PhD; Prof. Andries Kalsbeek PhD
P55	Night Shift Work May Impair Glucose Levels At Night: A Field Study Among Female Hospital Employees	Rasmus Reeh MD; Anders Aagaard; Nanna Lind; Jannet Svensson; Thomas Mandrup-Poulsen; Kirsten Nabe-Nielsen; Anne Helene Garde
P56	In the mood for love: timing reproductive rhythms of brown algae	Dr. Mikaela Chandra PhD ¹ ; Anjelina Potin ¹ ; Prof. Olivier De Clerck PhD ² ; Dr. Mark Cock ¹ ; Dr. Kenny Bogaert PhD ² ; Dr. Andrés Ritter PhD ¹
P57	Stat3 silencing affects circadian clock gene expression and LPS response in the SCN, cortex, and glioblastoma cell cultures	Eva Filipovská
P58	Loss of Bmal1 impairs the glutamatergic light input to the SCN in mice	Dr. Amira Ali PhD
P59	Impact of Artificial Light at Night on behavioural and molecular circadian rhythms in zebrafish	Gaia De Russi ¹ ; Dr. Elena Frigato ¹ ; Prof. Tyrone Lucon-Xiccato ¹ ; Stefano Cannicci ² ; Sara Fratini ² ; Cristiano Bertolucci ¹
P60	Early rhythms: the ontogeny of brainstem timekeeping	Charlotte Muir ¹ ; Dr Lukasz Chrobok PhD ² ; Prof Hugh Piggins PhD ³
P61	Impact of Glucocorticoid Rhythms on the Circadian Clock Regulatory System	Ayano Watanabe; Dr. Arisa Hirano
P62	Wavelets unveil time-dependent patterns in clinical routine data associated with the onset of Delirium in ICU patients	Jayanth Sreekanth ¹ ; Eduardo Salgado; Andreas Edel; Elias Grünwald; Sophie K. Piper; Claudia Spies; Felix Balzer; Sebastian Daniel Boie
P63	Ontogenetic development of the circadian metabolome in the rat suprachiasmatic nucleus	Dr. Martin Sládek PhD; Pavel Houdek; Dr. Tomáš Čajka PhD; Prof. Alena Sumová PhD
P64	Identifying Kinase Modulators of the Circadian Clock Using a Two-Stage Inhibitor Screen	Ishani Shah; Dorota Nawrot; Lucy Zhao; Dr. Brooke Prakash; Prof. Sridhar Vasudevan
P65	Shaping time in Medaka: Interplay of Light and Food on Seasonal Clocks	Francesca Conti ¹ ; Tyrone Lucon-Xiccato ¹ ; Felix Loosli ² ; Nicholas S. Foulkes ² ; Joachim Wittbrodt ³ ; Cristiano Bertolucci ¹

P66	A circadian clock in Sertoli cells protects testis from gonadotoxic damage	Dr. Claudia Stincardini; Dr. Consuelo Fabi; Dr. Marilena Pariano; Dr. Sarah Balucchi; Gloria Bei; Dr. Iva Arato; Prof. Francesca Mancuso; Prof. Claudio Costantini; Stefano Brancorsini; Prof. Giovanni Luca; Prof. Luigina Romani; Prof. Marina Maria Bellet
P67	Continuous sampling of cerebrospinal fluid from the 3rd ventricle of the hypothalamus during hibernation	Dr Cazarez Marquez Fernando PhD; Fredrik Markussen MSc; Dr. Iva Pitelkova PhD; Prof. David Hazlerigg; Dr. Shona Wood PhD
P68	The role of DBT/CK1ε in mediating temperature compensation in circadian clock neurons of <i>Drosophila melanogaster</i> .	Maia Zabel; Prof. Dr. Ralf Stanewsky
P69	Effects of Artificial Light at Night on Reproductive Rhythms of brown Algae	Rune Sommerkamp; Dr. Andrés Ritter
P70	Exploring circadian properties of the mouse limbic forebrain	Shannon Lacey; Kathy (Jing Yi) Li; Emily Birt; Dr. Lukasz Chrobok; Prof. Jon Brown; Prof. Hugh Piggins
P71	Dynamics of CD4+ Naïve T Cell Regulatory Networks across a Circadian Day	Leeann Binhuraib PhD ¹ ; Dr. Natalie Riddell PhD ¹ ; Dr. Tom Thorne; Dr. Emma Laing ² ; Prof. Simon Archer
P72	Impact of Bmal1 core clock gene deficiency on the tumour microenvironment	Bingqi Hu ¹ ; Prof. Dr. Jerome Artus; Prof. Dr. Damya Laoui; Herve Acloque; Prof. Dr. Eva Hadadi
P73	Modelling Clock Function in Breast Cancer Cell Lines	James Jarrold; Vadim Vasilyev; David A. Rand; Dr. Robert Dallmann ¹
P74	The long or the short of it? Period effects of antidepressants on the cellular circadian clock	Soraia Silva; Jemima Francis; Joana Bicker; Amilcar Falcao; Prof Ana Fortuna; Dr. Robert Dallmann ¹

Poster Session B – Tuesday 26 August 2025

P75	Molecular Mechanism of Glucocorticoid-Mediated Circadian Synchronization Investigated by Live-Cell Microscopy	Dr. Joana Ahlburg ¹ ; Dr. Christian H. Gabriel ² ; Prof. Dr. Achim Kramer ³
P76	Targeting Ageing Biomarkers Through Sleep: Effects of a Personalized Circadian Intervention on BDNF Levels	Theresa Hartmann ¹ ; Gunnar Deuring ² ; Sophie Reckels ² ; Johanna Otte ² ; Dr. Christian Epple; Benedikt Reuthebuch; Dr. Corrado Garbazza ² ; Dr. Martin Meyer ² ; Dr. Helen Slawik ² ; Prof. Dr. Christian Cajochen ² ; Dr. Aki Kawasaki ³ ; Prof. Susanne Jaeggi ⁴ ; Prof. Dr. Anne Eckert ² ; Dr. Mirjam Münch ²
P77	InCURA: An integrative gene clustering based on transcription factor motif occurrences	Lorna Wessels
P78	Harmonicity of oscillators consisting of feedback loops	Yusuke Yamada ¹ ; Dr. Yutaro Kabata PhD ² ; Dr. Ryoya Fukasaku PhD ¹ ; Dr. Hiroshi Ito PhD ¹
P79	Age-Related Alterations of The Molecular Circadian Clock in Human Leukocytes in Health and Disease	Theresa Gogg ¹ ; Julia Teppan; Adam Hampuch; Prof. Eva Böhm
P80	Differential Effects of Sex and Age on Mouse Daily and Infradian Rhythms	Dr. Pi-shan Chang PhD ¹ ; Dr. Timna Hitrec ² ; Charlotte Muir ¹ ; Meida Sofyana ¹ ; Shannon Lacey ¹ ; Dr. Lukasz Chrobok ¹ ; Prof. Hugh D. Piggins ¹
P81	Perinatal Light Associations with Allergy & COPD in Adulthood	Philip Lewis
P82	Sinusoidal regulation reduces circadian period variability	Hotaka Kaji PhD; Prof. Fumito Mori PhD; Prof. Osamu Maruyama PhD; Prof. Hiroshi Ito PhD
P83	Deletion of Arntl, a component of the molecular clock, in adipocytes leads to cellular hypertrophy by increasing insulin sensitivity via FGF21.	Dr. Taira Wada; Hirotake Ishii; Satoshi Kitaura; Dr. Shigeki Shimba
P84	Circadian disruption beneath the surface: analyzing the impact of split shift work in military submariners through actigraphy	Daniel Marques ¹ ; Carina Fernandes MD ² ; Dr. Cátia Reis PhD ¹ ; Dr. Nuno Luís Barbosa-Morais PhD ¹
P85	dlmoR: An open-source R package for the dim-light melatonin onset (DLMO) hockey-stick method	Salma M. Thalji ¹ ; Prof. Dr. Manuel Spitschan PhD ²
P86	A period mutant in <i>Drosophila littoralis</i>	Giulia Manoli
P87	Ticking clocks in neotropical bees: Colony reproduction shapes circadian rhythms in the highly social stingless bee <i>Melipona quadrifasciata</i>	Arthur Roque Justino ¹ ; Dr. Katharina Beer PhD ² ; Prof. Dr. Ricarda Scheiner PhD ² ; Prof. Dr. Klaus Hartfelder PhD ¹
P88	Glucocorticoid Receptor-Dependent Reprogramming of Circadian Metabolism Under Caloric Restriction	Lara-Leonie Fetzner
P89	PDF-mediated plasticity of the evening locomotor activity in <i>Drosophila melanogaster</i>	Nils Reinhard ¹ ; Aika Saito ² ; Prof. Meet Zandawala ³ ; Prof. Charlotte Helfrich-Förster ¹ ; Prof. Taishi Yoshii ²
P90	Binocular retinal signal integration in human non-visual photoreception	Maydel Fernandez-Alonso PhD ¹ ; Manuel Spitschan PhD ²

P91	Mechanistic understanding of the effect of blue light on the body's internal clock and its associated skin functions.	Helen McNish ¹ ; Mruthyunjaya Swamy Mathapathi ² ; Dr. Katarzyna Figlak ³ ; Dr. Anita Damodaran ² ; Prof. Mark Birch-Machin ¹
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P107	Transcriptomic profiling of a circalunar developmental arrest (CDA) compared to winter diapause in the marine insect <i>Clunio marinus</i>	Dr. Jule Neumann; Dr. Danila Voronov; Dr. Tobias Kaiser
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P114	Senescence and circadian rhythms in endothelial cells	Dr. Jasenka Guduric-Fuchs PhD ¹ ; Ryan Murphy ¹ ; Dr. Varun Pathak PhD ¹ ; Prof. Reinhold Medina PhD ² ; Dr. Eleni Beli ¹
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P150	Impact of night shifts on dietary patterns and 24-hour glucose regulation: findings from the OPTI-SHIFT observational study	Dr. Friedrich C. Jassil PhD ¹ ; Nicholas E. Phillips ¹ ; Alexandra Hemmer ¹ ; Céline Joris ¹ ; Andrew D. Biancolin ² ; Steffen L. Hartmeyer ³ ; Victor Dorribo ⁴ ; Stephen Perrig ¹ ; Laurence Genton ¹ ; Virginie Sterpenich ² ; Marcel Salathé ³ ; Claude Pichard ¹ ; Jacques A. Pralong ⁵ ; Marilyne Andersen ³ ; Charna Dibner ² ; Tinh-Hai Collet ¹
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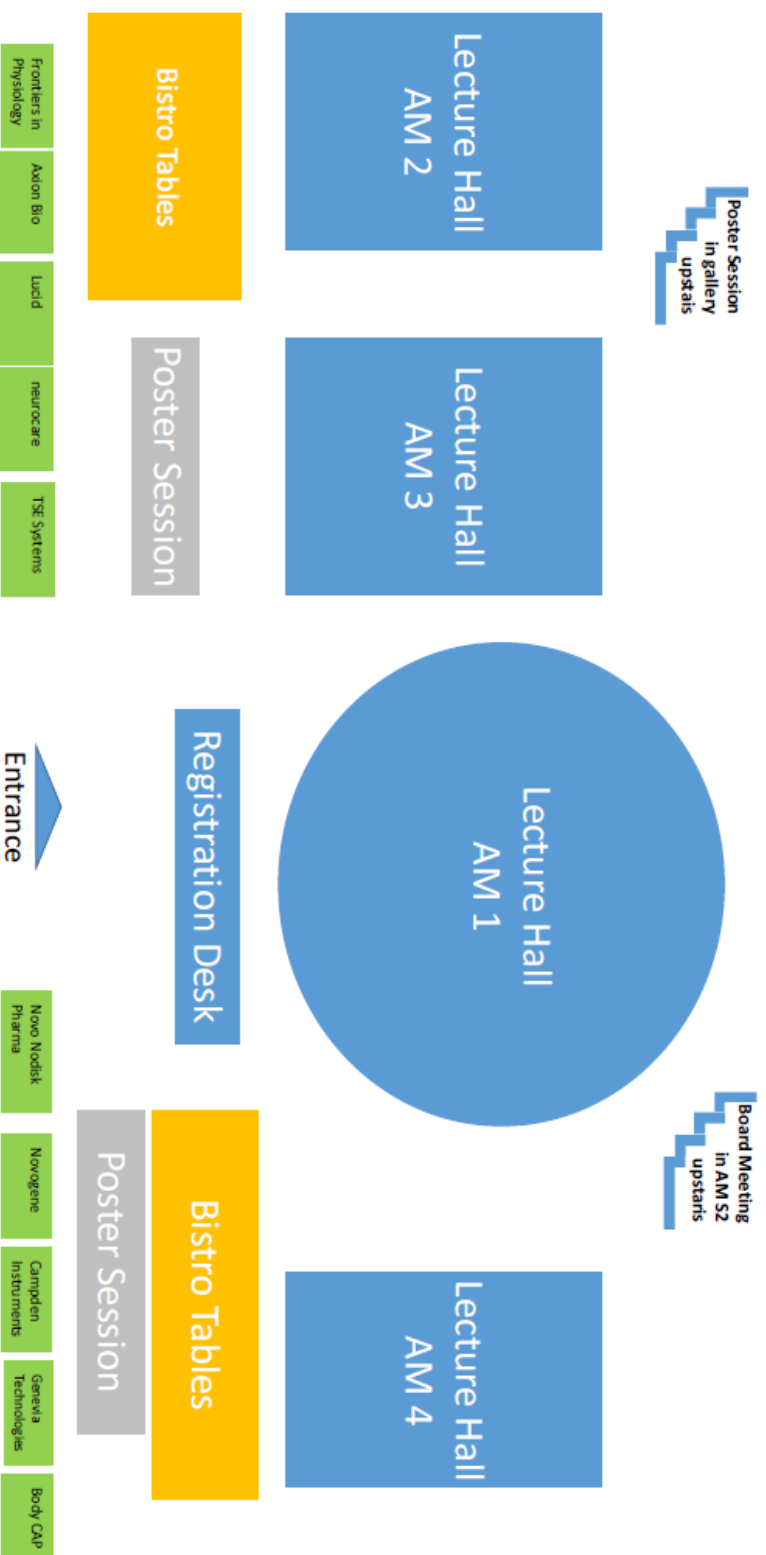
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P179	Disruption of Circadian Rhythms Impairs Bone Quality and Fracture Healing: Implications for Circadian Medicine in Skeletal Regeneration	Christine Graffmann ¹ ; Jason Witte ² ; Dr. Fabian Titz ¹ ; Sebastian Hitzler ² ; Dr. Paul Köhli ² ; Adibeh Rahmani ² ; Dr. Ulrike Weichelt ¹ ; Prof. Dr. Carsten Rendenbach ³ ; Prof. Dr. Henrik Oster ⁴ ; Prof. Dr. Achim Kramer ⁵ ; Prof. Dr. Georg Duda ¹ ; Prof. Dr. Johannes Keller ⁶ ; Dr. Serafeim Tsitsilonis ⁷ ; Dr. Denise Jahn ²
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P183	Insights into Islet Circadian Regulation: BMAL1-driven transcription in mice and humans	Dr. Georgia Katsioudi PhD ¹ ; Dr. Nathaniel Henneman PhD ² ; Dr. Nicholas Phillips PhD ¹ ; Dr. Cecilia Jiménez-Sánchez PhD ¹ ; Prof. Dr. Ganna Panasyuk PhD ² ; Prof. Dr. Charna Dibner ¹
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P187	Evidence-based public health messaging on the non-visual effects of ocular light exposure: A modified Delphi expert consensus	Prof. Manuel Spitschan PhD ¹ ; Dr. Laura Kervezee ² ; Dr. Oliver Stefani ³ ; Dr. Marijke Gordijn ⁴ ; Dr. Jennifer Veitch ⁵ ; Dr. Renske Lok ⁶
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P189	Diurnal rhythms in mucin glycosylation	Dr Alex Bennett PhD
P190	Is endurance running equally beneficial for young and older men? Consequences on circadian function, sleep and immune outcomes	Dr. Monika Okuliarova PhD ¹ ; Dr. Katarina Stebelova ¹ ; Genc Berisha ² ; Katarina Kovacova ¹ ; Valentina Maresova ¹ ; Alena Cernackova ² ; Ludmila Oreska ² ; Milan Sedliak ² ; Michal Zeman ¹

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P194	Vitamin D ₃ as a Circadian Regulator: Transcriptional Insights from Human Intervention Studies	Parcival Maissan; Prof. Dr. Carsten Carlberg
P195	Misaligned diurnal rhythms impair postprandial glucose–insulin responses and alter lipid rhythmicity	Ameena Khan Sullivan; Dr. Cheryl Isherwood PhD; Dr Daan van der Veen; Prof Debra Skene
P196	The circalunar clock as a driver for speciation in <i>Clunio marinus</i>	Alexander Jacobsen ¹ ; Runa K. Ekrem ² ; Rune Sommerkamp ¹ ; Chaitanya S. Gokhale ³ ; Hanna Kokko ⁴ ; Dr. Tobias Kaiser ¹
P197	MicroRNA Expression and Circadian Function in Healthy Skin and Cutaneous Wounds	Gemma Farrington ¹ ; Priscilla Coppa ¹ ; Ritik Singh Chandra ¹ ; Dr. Vanja Pekovic-Vaughan PhD ² ; Dr. Kehinde Ross PhD ¹ ; Dr Alun Hughes PhD ¹
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P199	Effect of timed dosing of usual antihypertensives according to patient chronotype on cardiovascular outcomes: the Chronotype sub-study cohort of the Treatment in Morning versus Evening (TIME) study	Dr. FILIPPO PIGAZZANI PhD ¹ ; Dr. Kenneth A. Dyar PhD ²
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P203	Effects of Light Pollution on Activity Patterns and Clocks of City and Forest Birds	Therese Solberg ¹ ; Kamiel Spoelstra ² ; Kees van Oers ² ; Marcel E. Visser ² ; Barbara Tomotani ¹
P204	The circadian modulation of melanin biosynthesis by targeting the ROR regulatory motif in the retinal pigment epithelium	Dr. Nemanja Milicevic PhD ¹ ; Peppi Tolonen; Amandine Bery; Bobin George Abraham; Marie-Paule Felder-Schmittbuhl; Arthur A. Bergen; Teemu Ihalainen; Soile Nymark
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P206	Molecular Profiling of the Circadian Clock in Paediatric Leukaemia: Insights from Healthy and Malignant Cells	Dr. Deeksha Malhan PhD ¹ ; Dr. Marius Ludwig ² ; Dr. Alireza Basti ¹ ; Sophie Silberhorn ¹ ; Prof. Dr. Johannes H. Schulte ² ; Prof. Dr. Angelika Eggert ² ; Prof. Dr. Angela Relógio ¹
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P208	Intrinsic Circadian Timekeeping in the Spinal Cord and Dorsal Root Ganglia	Emily Birt
P209	Diurnal AANAT mRNA expression is maintained in the pineal gland of VPAC2 deficient mice	Dr. Birgitte Georg PhD; MD Ida Stangerup MD; Prof. Dr. Jens Hannibal PhD
P210	Reprogramming of systemic metabolic rhythms in heart failure	Prof. Carolina Magdalen Greco PhD
P211	Parallel monitoring of central and peripheral clock functions in human	Prof. Dr. Krisztina Kaldi MD
P212	24h rhythms in the Left Ventricle in a mouse model of Heart Failure with Preserved Ejection Fraction	Dr. Rosanna Caputo PhD ¹ ; Mauro Passaretti; Manuel Casaburo; Alessandra Idini; Riccardo Doro; Cristina Panico; Nicolò Salvarani; Paolo Kunderfranco; Carolina Magdalen Greco
P213	Quantification of the circalunar transcript regulation reveals broad impacts on key biological processes in <i>Platynereis dumerilii</i>	Paul Oliver Wulf; Prof. Dr. Kristin Tessmar-Raible
P214	Circadian rhythms of retinal microglia in early diabetes	Dr. Varun Pathak; Hanagh Winter; Dr. Mei Chen; Prof. Alan Stitt; Dr. Eleni Beli
P215	The impact of treatment time on the severity of chemotherapy-induced fatigue in mice	Anneke Kastelein ¹ ; Amy Chin On ¹ ; Han Jiao ² ; Dr. Laura Kervezee PhD ¹ ; Prof. Dr. Jacques Neefjes ¹ ; Prof. Dr. Andries Kalsbeek PhD ³ ; Dr. Chun-Xia Yi PhD ² ; Prof. Dr. Johanna Meijer PhD ¹
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P217	Brighter days reduce circadian photosensitivity to light at night in a diurnal mammal	Dr. Beatriz Bano-Otalora PhD; Dr. Franck Martial; Dr. Rebecca Hughes; Dr. Josh Moulard; Dr. Rose Richardson; Martha Davey; Dr. Patrycja Orłowska-Feuer; Dr. Annette Allen; Dr. Mino Belle; Prof. Timothy Brown; Prof. Robert Lucas
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P220	Predictors of Weekly Sleep Loss in Spanish Schoolchildren: The Role of Chronotype, Social Jet Lag, and Napping Behavior	Dr. Cátia Reis PhD ¹ ; Pedro Hernández-Reverter; Prof. Daniel Galbaldon PhD
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P223	Role of Timing in Mechanically Induced in vitro Cartilage Formation	Katrin Wendrich
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P225	Reindeer Rhythms: The Reindeer Circadian Clock Is Rhythmic But Shows Weak Coupling Between Secondary And Core Loops	Dr Daniel Appenroth; Dr. Chandra Ravuri; Sara Torppa; Dr Shona Wood; Prof. David Hazlerigg; Dr. Alex West ¹
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Floor plan



List of exhibitors

1. Novo Nordisk Pharma GmbH
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3. Body CAP
4. Campden Instruments
5. Frontiers in Physiology
6. GeneVia Technologies
7. Lucid Scientific
8. Neurocare
9. Novogene
10. TSE Systems

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Emergency contact

For all emergencies (first aid, fire, security) on campus of University of Lübeck (UzL), using an internal phone, dial 02-70112.

Outside UzL campus

Police	110
Fire	112
Ambulance	112

EBRS Congress 2025

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Congress Organization

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