

PROGRAM 'WILD CLOCKS 2018'
TUESDAY, OCTOBER 16



09:00	Start of the conference with coffee	
09:30 - 10:00	Bart Kempenaers, Michaela Hau (Max Planck Institute for Ornithology)	Welcome and Introduction

10:00-12:00 | 1 | WILD SLEEP
Session leader: John Lesku (La Trobe University, Australia)

10:00 - 10:20	Paul Manger (U of the Witwatersrand, South Africa)	The real feel of the environment and sleep onset and offset, a wild perspective
10:20 - 10:40	David Samson (U Toronto, Canada)	The evolution of human sleep: evolutionary outliers within the primate order
10:40 - 11:00	Anne Aulsebrook (U Melbourne, Australia)	Illuminating black swan sleep and rest
11:00 - 11:20	Erica Stuber (Yale University, USA)	Variation in sleep behavior in wild birds: rhythmicity, plasticity, and individual differences
11:20 - 11:40	John Lesku (La Trobe University, Australia)	Animals that sleep little: evolutionary patterns and ecology-induced plasticity
11:40 - 12:00	DISKUSSION, chaired by John Lesku	General questions & Future opportunities

13:30-15:30 | 2 | WILD DAILY RHYTHMS
Session leader: Roelof Hut (U Groningen, The Netherlands)

13:30 - 13:55	Menno Gerkema (U Groningen)	The Power of Rhythms: (a)synchrony
13:55 - 14:20	Nicholas Tyler (Tromsø, Arctic U of Norway)	Timing without clockwork in large ungulate
14:20 - 14:45	Kwangwon Lee (Rutgers U, Camden, USA)	Fitness in a microbe: how the circadian clock is shaped by the environment
14:45 - 15:05	Laura van Rosmalen (U Groningen)	Maternal photoperiodic programming in voles
15:05 - 15:30	Dawei Wang (U Beijing, China)	The photoperiodic system of wild Brandt's voles

16:00-18:00 | 3 | THE IMPACT OF HUMAN DISTURBANCES ON WILD SEASONAL AND DAILY CLOCKS
Session leader: Marcel Visser (Netherlands Institute of Ecology)

16:00 - 16:24	Marcel Visser (Netherlands Institute of Ecology)	Climate change leads to selection on seasonal rhythms
16:24 - 16:48	Barbara Helm (U Groningen, The Netherlands)	Evidence for evolution in the advancing phenology of a migratory bird
16:48 - 17:12	Stefanie Monecke (U Munich, Germany)	Impact of hunting, climate change and light pollution on the annual cycle and thereby the population numbers of wild hamsters"
17:12 - 17:36	Kamiel Spoelstra (Netherlands Institute of Ecology)	Rhythms in the dark: direct and systemic impact of light at night on daily and seasonal rhythms
17:36 - 17:55	Noga Kronfeld-Schor (Tel Aviv U, Israel)	Circadian rhythms affected by human disturbances

08:30-10:30 | 4 | CIRCATIDAL AND CIRCALUNAR CLOCKS

Session leader: Tobias Kaiser (MPI for Evolutionary Biology, Germany)

08:30 - 08:55	Tobias Kaiser (MPI for Evolutionary Biology, Germany)	Introduction – Circatidal clocks, circalunar clocks and “the wild”
08:55 - 09:20	Kristin Tessmar-Raible & Birgit Poehn (U Vienna, Austria)	Time of day, season and moon phase timing in the marine bristle worm <i>Platynereis dumerilii</i>
09:20 - 09:45	Hiroki Takekata (U of the Ryukyus, Okinawa, Japan)	Circatidal rhythm and its physiological mechanisms in the mangrove cricket
09:45 - 10:10	Lin Zhang (University of Leicester, UK)	Molecular basis of tidal rhythms in an intertidal crustacean, <i>Eurydice pulchra</i>
10:10 - 10:30	GENERAL DISCUSSION	

11:00-13:00 | 5 | TIMING OF MIGRATION

Session leaders: Leonida Fusani (U Vienna), Miriam Liedvogel (MPI for Evolutionary Biology)

11:00 - 11:05	Miriam Liedvogel (MPI for Evolutionary Biology, Germany)	Introduction to the field and overview of the symposium
11:05 - 11:25	Phillip Gienapp (Netherlands Institute of Ecology)	Arrival timing in a short-distance migrant: environmental variables, phenotypic plasticity and genetic variation
11:25 - 11:45	Diego Rubolini (U Milano, Italy)	A tale of clocks: associations of candidate genes polymorphism with migratory behaviour in birds
11:45 - 12:05	Steffen Hahn & Martins Briedis (Schweizerische Vogelwarte Sempach)	The protandry paradigm revisited: is migration timing sex-specific throughout the annual cycle?
12:05 - 12:25	Kasper Thorup (Natural History Museum of Denmark)	Timing across the annual cycle in free-flying migrant
12:25 - 13:00	GENERAL DISCUSSION	Chaired by Leonida Fusani (University of Vienna, Austria) & Miriam Liedvogel (MPI for Evolutionary Biology, Germany)

PROGRAM 'WILD CLOCKS 2018'
WEDNESDAY, OCTOBER 17



16:00-18:00 | 6 | EQUATORIAL / TROPICAL RHYTHMS

Session leader: Micaela Martinez (Columbia University, USA)

16:00 - 16:05	Micaela Martinez (Columbia U, USA)	Session Introduction
16:05 - 16:30	Robert Lucas (U of Manchester, UK)	What information about the light environment is available to the mammalian circadian clock?
16:30 - 16:55	Ignacio Moore (Virginia Tech U, USA)	Seasonal changes in the brain and behavior of an equatorial bird
16:55 - 17:20	Claudia Roberta de Castro Moreno (U de São Paulo, Brazil)	Biological rhythms in humans living in equatorial communities
17:20 - 17:45	Charissa De Bekker (U of Central Florida, USA)	What makes a zombie ant tick? Parasite hijacking of daily programs to manipulate host behavior
17:45 - 18:00	DISCUSSION AND BRAINSTORMING	Common misconceptions about equatorial/tropical rhythms

PROGRAM 'WILD CLOCKS 2018'
THURSDAY, OCTOBER 18



08:30-10:30 | 7 | EPIGENETICS AND CLOCKS

Session leader: Tyler Stevenson (U of Aberdeen, Scotland)

08:30 - 08:54	Eran Tauber (U of Haifa, Israel)	Epigenetic encoding of the photoperiod in the jewel wasp <i>Nasonia</i>
08:54 - 09:18	Arild Husby (U of Uppsala, Sweden)	Temporal patterns of DNA methylation and timing of reproduction in great tits
09:18 - 09:42	Matt Hindle (U of Edinburgh, Scotland)	Shifting photoperiods are marked by genome-wide DNA methylation changes in the ovine pars tubercularis
09:42 - 10:06	Selma Masri (U of California Irvine, USA)	Circadian Clock and Epigenetic Control: Implications for Metabolism and Cancer
10:06 - 10:30	Steve Brown (U of Zurich, Switzerland)	Circadian rhythms: cellular and molecular technologies ripe for speciation
11:00 - 13:00	GENERAL DISCUSSION	