8th International Workshop on Computational Neuropsychiatry

Systems Biology of Biorhythms:
Sleep, Affective disorders and Schizophrenia
- An integrated view -
May 11th / 12th 2012

Department of Psychiatry, Alzheimer Saal, Nußbaumstraße 7, Munich

Organized by:
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FRIDAY, May 11th (13.00-20.00)
13.00: Felix TRETTER / Margot ALBUS / Dan RUJESCU / Chris TURCK / Werner MEWES / Oliver POGARELL / Eva MEISENZAHL: Introduction
13.30: Alexander BORBELY: The two-process model of sleep regulation in the framework of systems physiology (m.: John DITTAMI)
14.15: Axel STEIGER: Pathology of sleep, hormones and depression (m.: Ulrich MANSMANN)
14.45: Break
15.00: Christian CAJOCHEN: Sleep and wake-EEG rhythms in depressed women under high and low sleep pressure conditions (m.: Andreas J. FALLGATTER)
15.30: Katharina WULFF & Russell FOSTER: Circadian rhythms in schizophrenia (m.: Andreas DRAGUHN)
16.00: Break
16.30: Maurizio POPOLI: Epigenetic regulation in the stress response and vulnerability for neuropsychiatric disorders (m.: Eva MEISENZAHL)
17.00: Dieter KUNZ: Mechanisms of action of new medications for sleep disorders (m.: Francois IRIS)
17.30: Break
18.00: Robert McCARLEY: Oscillations, sleep and cognition in Schizophrenia (m.: Eduardo MENDOZA)
19.00: Albert GOLDBETER: Modeling the dynamics of bipolar disorders in terms of bistability and oscillations (m.: Matthias MUNK)
20.00: End of session

SATURDAY, May 12th (09.00-12.30)
09.00: Peter GEBICKE-HAERTER: Circadian rhythms investigated by genome-wide studies (m.: Hans BRAUN)
09.30: Svetlana POSTNOVA & Peter ROBINSON: From neurobiology to behaviour: Model-based predictions of shift workers’ entrainment and alertness (m.: Michael ZHETLETINER)
10.00: Break
10.30: Till ROENNEBERG: Modeling the timing of sleep based on daily light profiles (m.: Uwe AN DER HEIDEN)
11.00: Eberhard VOIT & Zhen QI: Molecular biological model of sleep regulation (m.: Christoph TURCK)
12.00: Final discussion
12.30: End of workshop

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