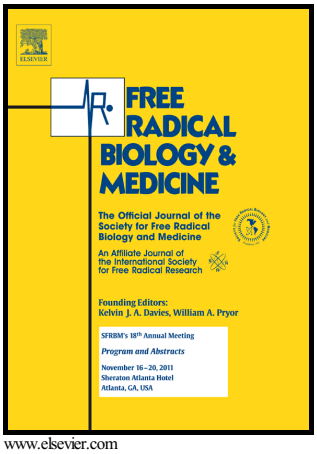
Mutual influence of sleep and circadian clocks on physiology and cognition

Isabel Heyde, Jana-Thabea Kiehn, Henrik Oster



www.elsevier.com

PII: S0891-5849(17)31195-4
DOI: https://doi.org/10.1016/j.freeradbiomed.2017.11.003
Reference: FRB13510

To appear in: *Free Radical Biology and Medicine*

Received date: 23 July 2017
Revised date: 2 November 2017
Accepted date: 4 November 2017

Cite this article as: Isabel Heyde, Jana-Thabea Kiehn and Henrik Oster, Mutual influence of sleep and circadian clocks on physiology and cognition, *Free Radical Biology and Medicine,* https://doi.org/10.1016/j.freeradbiomed.2017.11.003

Title: Mutual influence of sleep and circadian clocks on physiology and cognition

Authors: Isabel Heyde [1,*], Jana-Thabea Kiehn [1,*], and Henrik Oster [1,#]

Affiliations: Institute of Neurobiology, University of Lübeck, Germany

[#] **correspondence:** Henrik Oster, Institute of Neurobiology, Center of Brain, Behavior and Metabolism, University of Lübeck, Marie-Curie Street, 23562 Lübeck, Germany; Tel. +49 451 3101 4300; Email: henrik.oster@uni-luebeck.de

Key words: sleep deprivation, circadian clock, clock gene, physiology, metabolism