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## Hierarchical organization of the circadian timing system

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**LIST OF PUBLICATIONS**

Vansteensel MJ, Deboer T, Dahan A & Meijer JH (2003) Differential responses of circadian activity onset and offset following GABAergic and opioid receptor activation. *J Biol Rhythms* 18: 297-306.

Vansteensel MJ, Yamazaki S, Albus H, Deboer T, Block GD & Meijer JH (2003) Dissociation between circadian *Per1* and neuronal and behavioral rhythms following a shifted environmental cycle. *Curr Biol* 13: 1538-1542.

Deboer T, Vansteensel MJ, Déári L & Meijer JH (2003) Sleep states alter activity of suprachiasmatic nucleus neurons. *Nat Neurosci* 6: 1086-1090.

Itri JN, Michel S, Vansteensel MJ, Meijer JH & Colwell CS (2005) Fast delayed rectifier potassium current is required for circadian neural activity. *Nat Neurosci* 8: 650-656.

Albus H, Vansteensel MJ, Michel S, Block GD & Meijer JH (2005) A GABAergic mechanism is necessary for coupling dissociable ventral and dorsal regional oscillators within the circadian clock. *Curr Biol* 15: 886-893.

Vansteensel MJ, Magnone MC, van Oosterhout F, Baeriswyl S, Albrecht U, Albus H, Dahan A & Meijer JH (2005) The opioid fentanyl affects light input, electrical activity and *Per* gene expression in the hamster suprachiasmatic nuclei. *Eur J Neurosci* 21: 2958-2966.