

175th WPI-IIIS Seminar

Cortical regulation of sleep

The conventional view is that the cerebral cortex generates state-dependent brain oscillations, while subcortical brain structures control global sleep-wake switching. Although most sleep studies in mammals use cortical activity as a readout of sleep-wake state, the possibility that cortex actively contributes to sleep regulation has long been overlooked. My PhD project demonstrated an essential role for the cortex in both vigilance state control and sleep homeostasis. The rapidly growing evidence for a cortical regulation of sleep heralds unprecedented opportunities to dissect – and ultimately modulate – the still enigmatic molecular and cellular counterparts of the homeostatic process of sleep regulation.



Dr. Lukas Krone

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Date: **Tuesday, February 21, 2023**

Time: **11:00 – 12:00**

Venue: **1F Auditorium, IIIS Building /
Online via Teams**

Register now! (deadline February 20)

<https://forms.gle/2ipbC54AMc3yYjAG8>

*** Seminar information will be sent
to registered participants**



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