



## Seminar/Talk

# Mapping the circadian transcriptional machinery on chromatin

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Michael Group

Host:

Circadian rhythms are endogenous 24-hour cycles that regulate a variety of physiological processes in living organisms, with disruptions linked to multiple disorders. On the molecular level, the mammalian circadian clock is controlled by transcriptional heterodimer CLOCK-BMAL1, which controls about 15% of the entire transcriptome. The transcriptional output of CLOCK-BMAL1, however, is heterogeneous across tissues, due to the additional regulation implied by different chromatin states and tissue-specific transcriptional cofactors. The mechanisms of these modulations remain poorly explored, and in my talk, I will present how, using biochemistry and structural biology techniques, I am trying to get more details on the molecular basis of circadian transcriptional regulation in the chromatin context.

**Thursday, October 16, 2025 01:00pm - 02:00pm**

Central Bldg / O1 / Mondi 2a (I01.O1.008)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.