OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG

INSTITUT FÜR BIOLOGIE

Journal Club

Genetic Approaches to Neural Functions

Harini Srinivasan

will introduce the publication

Menghan Yu et al.
Memory reactivation underlies experience-dependent adaptive regulation of sleep

Science392,eaed8630(2026). DOI:10.1126/science.aed8630

This study investigates how hippocampal–amygdala memory engram reactivation during sleep regulates sleep architecture, showing that positive memory reactivation promotes NREM sleep continuity, whereas negative memory reactivation activates wake-promoting circuits and causes sleep fragmentation.

05.11.2026
12:00 p.m.
IBIO | Haus 91
Room 203

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