

Talk on Tuesday, 11. March 2025

Start: 10:15 till 11.30

in HS 424

The talk will be presented in English

Local sleep in early Alzheimer's disease

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An increasing body of evidence has highlighted the critical role of sleep slow waves in facilitating the clearance of brain waste, affecting the accumulation of Alzheimer's disease (AD) brain lesions. Interestingly, recent studies have identified sleep-like slow waves in wake EEG of young adults, often interpreted as intrusions of local sleep during wakefulness. The occurrence of these wake slow waves (wSW) is known to increase during sleep deprivation, and can predict behavioral errors across various tasks. We aimed to explore

the associations between wSW features and 1) two AD brain lesions (amyloid and neurodegeneration), and 2) cognitive performance in older adults with memory complaints considered to be at risk for developing AD.