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In vivo and ex vivo Imaging of the Medial Lobe in Aging and Dementia

Abstract: The medial temporal lobe (MTL) is important for cognitive processes, including memory, and is also a hotspot for different neurodegenerative pathologies. Neuroimaging measures of the MTL, and the development thereof, are therefore important to study disease mechanisms and as biomarkers for clinical practice and clinical trials. This talk explores the different drivers of MTL neurodegeneration and cognitive decline using both in vivo and ex vivo imaging in Alzheimer's disease, in beta-amyloid negative patients with cognitive impairment and in aging. Moreover, it discusses the development of more fine-grained neuroimaging measures of the MTL for the development of better biomarkers.

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→ Lecture Hall or videoconference, using Google Chrome:

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