

Diffusion MRI subnetwork properties is associated with cognitive resilience to AD pathology in cognitively unimpaired older adults at risk of AD dementia

QBIN Scientific Day 2nd June

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Imagerie multimodale du vieillissement cérébral
Multimodal Imaging of the Aging Brain



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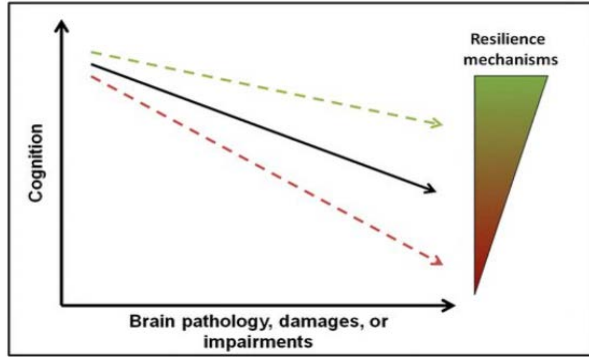
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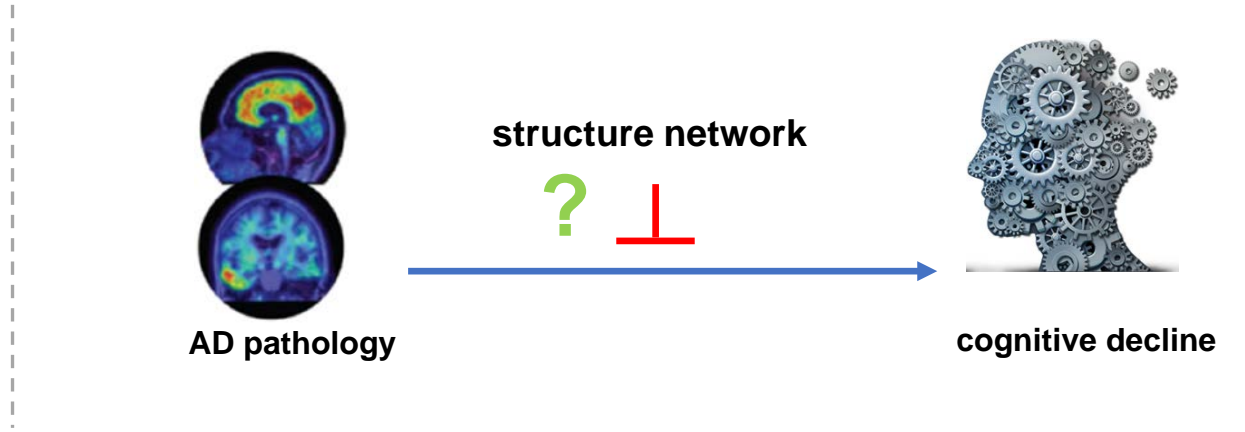
Centre StoP-Alzheimer / StoP-AD Centre



Background

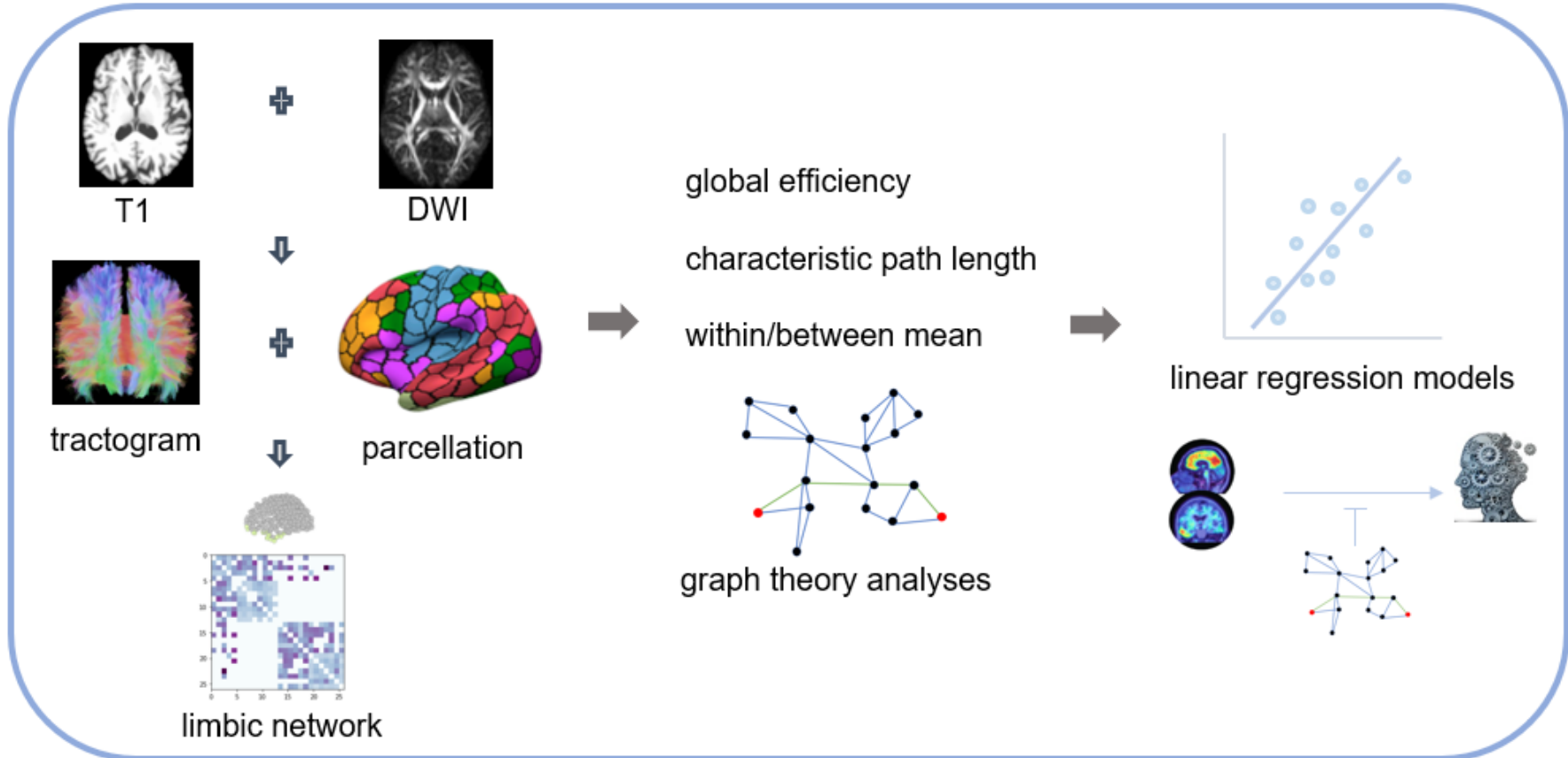


cognitive resilience



Methods

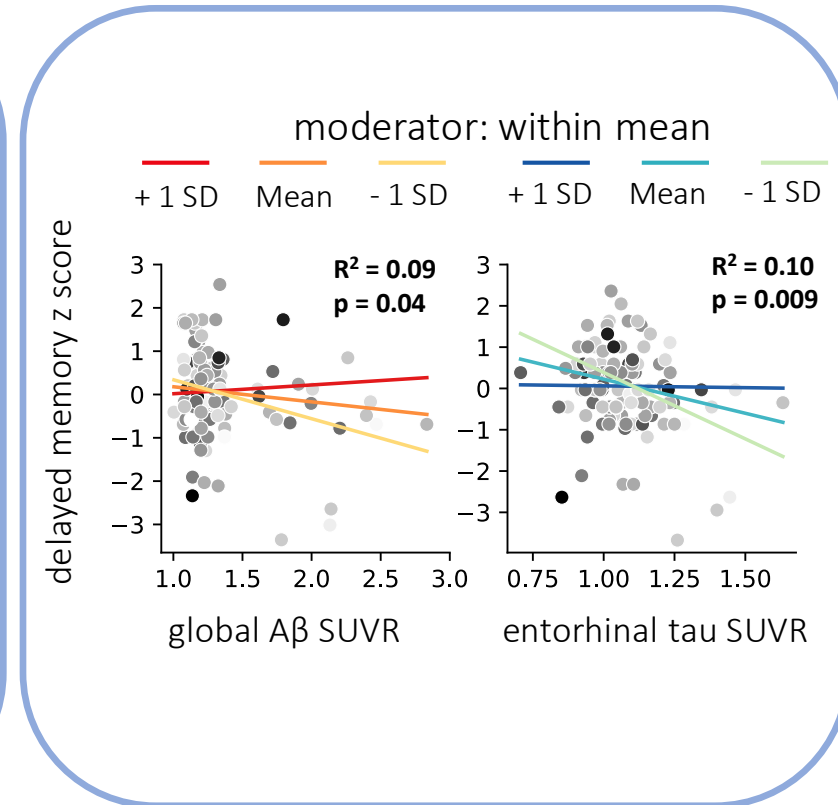
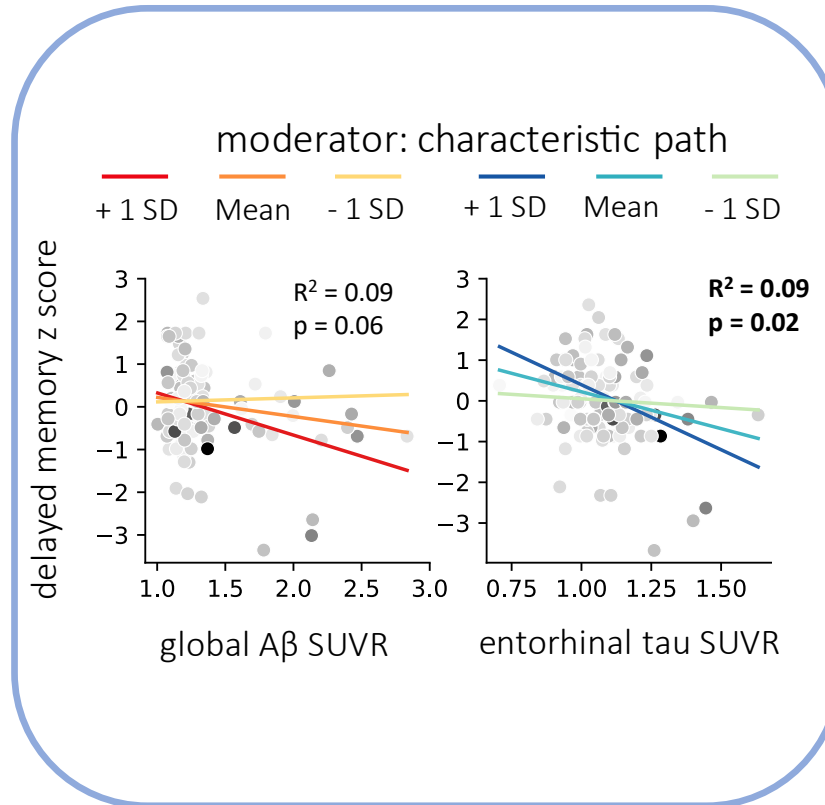
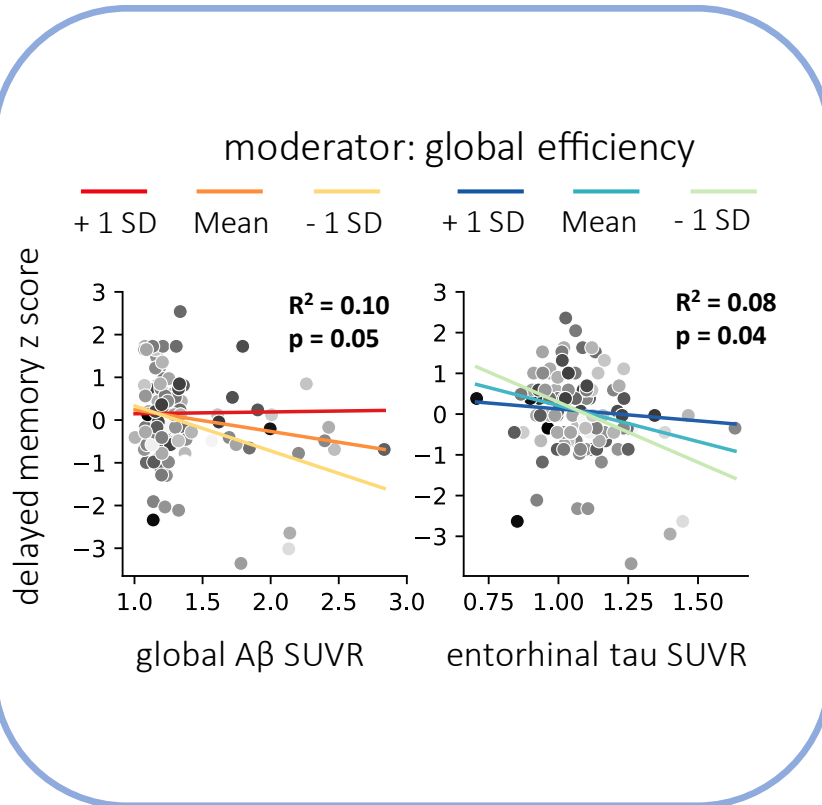

PREVENI-AD
Research Group
(n = 118)



Results



global network measurements in the **limbic network attenuate** the effect of **AD pathology on cognition**



Discussion

Structural network properties of the brain may play an important role in **maintaining cognitive performance in the face of AD pathology** and could serve as a potential biomarker for the physiological basis of resilience to cognitive decline in individuals at risk of AD.