

CSF Soluble p-tau Identify Stages of Tauopathy in Dominantly Inherited AD

February 2

Tuesday, 12:30pm

Live Webinar
via Zoom Conference



Speaker: Eric McDade, D.O.
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Inherited Alzheimer Network
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Host: Rajiv R. Ratan, M.D., Ph.D.

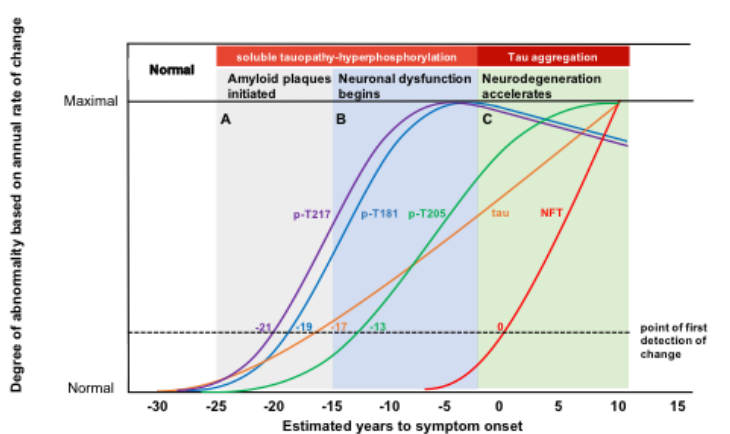
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Abstract

Eric McDade, DO, is an Associate Professor of Neurology at the Washington University School of Medicine in St. Louis. His research interests include the application of cerebrospinal fluid and neuroimaging measures to identify early pathology of Alzheimer's disease, the interaction of cerebrovascular function and Alzheimer pathology with the ultimate goal of identifying early markers of Alzheimer's disease progression that can be used in testing disease modifying therapies.

Dr. McDade serves as the Associate Director of the Dominantly Inherited Alzheimer's Disease Trials Unit and the Clinical Core Leader of the Dominantly Inherited Alzheimer Network Observational Study where he and his colleagues are using a global, natural history study to develop prevention trials to in Dominantly Inherited AD. As part of this work he is the Principle Investigator of the first ever primary prevention trial in familial Alzheimer disease which will test whether preventing the development of amyloid plaques will prevent the development of dementia in those with a genetic form of the Alzheimer's disease that leads to young-onset dementia.



1. Bartelémy N, Li Y, Joseph-Mathurin N, ..., McDade E. A soluble phosphorylated tau signature links tau, amyloid plaques and the evolution of presymptomatic and symptomatic stages of dominantly inherited Alzheimer's disease. *Nature Medicine* volume 26, pages398–407(2020). DOI.10.1038/s41591-020-0781-z.
2. Llibre-Guerra JJ, Li Y, Schindler SE, ..., McDade, E. Association of Longitudinal Changes in Cerebrospinal Fluid Total Tau and Phosphorylated Tau 181 and Brain Atrophy With Disease Progression in Patients With Alzheimer Disease. *JAMA network open* 2019;2:e1917126.
3. McDade E, Wang G, Gordon BA, Hassenstab J, Benzinger TLS, et al. Longitudinal cognitive and biomarker changes in dominantly inherited Alzheimer disease. *Neurology*. 2018 Oct 2;91(14):e1295-e1306. PubMed PMID: 30217935; PubMed Central PMCID: PMC6177272.

