

The neural correlates of memory improvement following transcranial direct current stimulation combined with cognitive training

<https://neurodegenerationresearch.eu/survey/the-neural-correlates-of-memory-improvement-following-transcranial-direct-current-stimulation-combined-with-cognitive-training/>

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Australia

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1

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Research Abstract

There is currently an urgent need for the development of an effective intervention for people at increased risk for dementia. My team has developed a novel intervention for this purpose involving the combination of mild electrical brain stimulation and targeted brain training exercises. We are currently testing the effectiveness of this intervention for improving memory in people at increased risk for dementia in an ongoing world-first randomised controlled trial. In this

study we plan to use neuroimaging for the first-time to investigate the neural mechanisms associated with memory improvement following this intervention. This will be an important next step in the intervention's development, as the results will help to inform which aspects of the intervention should be modified in order to further maximise memory improvements. If proven effective, this intervention could potentially be completed at home under medical supervision to help maintain memory functioning with normal ageing.

Further information available at:

<https://www.dementiaresearchfoundation.org.au/researchers/donel-martin>

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Investments < €500k

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Australia

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