



Department of Psychology
The University of Hong Kong
香港大學心理學系

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Departmental Seminar

Neuropsychological Effects of Transcranial Direct Current Stimulation on Affective Functioning in Older Adults



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11:00a.m. – 12:00n.n.

Room 1103-1104, 11/F
The Jockey Club Tower
Centennial Campus
The University of Hong Kong

Abstract

Depression, anxiety, and loneliness are common among older adults and can substantially affect well-being and quality of life. In this seminar, I will present my PhD research on whether transcranial direct current stimulation (tDCS), a non-invasive form of brain stimulation, can improve these aspects of affective functioning in later life. Findings across three studies suggest that stimulation over the left dorsolateral prefrontal cortex (DLPFC) demonstrates broader benefits across these domains; stimulation over the right ventrolateral prefrontal cortex (VLPFC) shows more specific benefits in anxiety and social functioning. Translationally, this work highlights the potential of tDCS as an effective approach to improving affective well-being in older adults. Theoretically, it informs our understanding of the neuropsychological underpinnings of late-life affective functioning.

About the Speaker

Zhiwei Zheng is a PhD candidate in Psychology under the supervision of Prof. Tatia Lee. She earned her B.A. from the University of California, Irvine, and her M.S. from Teachers College, Columbia University. Her doctoral research focuses on aging, affective disorders, cognitive decline, and neuromodulation.

Zoom Meeting (For participants who couldn't attend the Seminar in person)

<https://hku.zoom.us/j/97613297796?pwd=7BRLLAWmbtwl2GIyGb18hKi62r3Qmf.1>

Meeting ID: 976 1329 7796 Password: 829943

~ All are Welcome ~

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