Transcranial magnetic stimulation (TMS) has great potential as a treatment and diagnostic tool along the spectrum of Alzheimer’s disease (AD). In this talk, I will discuss TMS applications in mild cognitive impairment (MCI) and AD, including image-guided TMS for cognitive enhancement, TMS-derived biomarkers for early diagnosis and disease tracking, and concurrent TMS-fMRI and TMS-EEG protocols for simultaneous monitoring changes in brain activity. Our ultimate goal is to optimize the effectiveness of disease prevention and therapy by taking into account individual variability, elucidating mechanisms underlying TMS effects, and integrating multi-dimensional data (e.g., behavioral, neurophysiological, brain imaging and genetic profiles) in MCI and AD.

Friday, September 3, 2021 | 3:00 P.M. MST.
Join on zoom: https://arizona.zoom.us/j/82871800093

With introductory remarks by Lee Ryan

With questions about access or to request any disability-related accommodations, please contact Vanessa Noonkester, vnoonkester@arizona.edu

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