

**Thursday May 5<sup>th</sup>, 12pm (noon) ET**

Presentation in Zoom, accessible via the C-STAR website:

<http://cstar.sc.edu/lecture-series/>

**Stimulating Conversations: Employing Noninvasive Brain Stimulation Technologies to Characterize and Enhance Language Processing in Persons with Aphasia**

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University of Pennsylvania

Aphasia is the most common focal deficit of cognition associated with stroke, and language deficits are also common in patients with neurodegenerative disorders of cognition. While behavioral speech and language interventions provide benefit, directly targeted, neurally-focused interventions for aphasia remain lacking. In this presentation, Dr. Hamilton will give an overview of over a decade of work done by members of his laboratory and by others which employ noninvasive neuromodulation techniques like transcranial magnetic stimulation (TMS) and transcranial direct current stimulation (tDCS), both to characterize the language system and to enhance the potential for recovery in persons with aphasia due to either stroke or neurodegenerative disorders. Dr. Hamilton will also identify current gaps in the field of neuromodulation as it pertains to aphasia, and he will suggest future steps to advance neuromodulation in language research and to move noninvasive brain stimulation technologies toward widespread clinical use.

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The online lecture can be followed online from your computer, tablet or smartphone, in **Zoom**. The zoom link is accessible via the C-STAR website: <http://cstar.sc.edu/lecture-series/>

For more information, or to be added to the C-STAR mailing list, contact Dirk den Ouden: [denouden@sc.edu](mailto:denouden@sc.edu)