

Psychological Sciences Colloquium Series



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Imaging the Brain Substrates of Cognition and Behavior

Monday, April 30th, 3:30 p.m.

Bluemont Hall, Room 5102

Abstract: Cognition and behavior in normal and pathologic brains are traditionally quantified using neuropsychological and behavioral testing approaches designed to probe specific components. However, little is learned about the physiological substrate especially in the context of disease or injury to the brain. Although behavior has been linked to certain anatomic structures and deficits arise during disease, these are these are inferential approaches. Magnetic resonance imaging and spectroscopy provides a complementary opportunity to probe structure, metabolism, and function *in vivo*. This presentation provides a series of examples of non-invasive imaging to explore cognitive function.

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