

Medical College of Wisconsin presents

Functional MRI: Methodology and Applications

THE CENTER FOR TRANSLATIONAL INTERDISCIPLINARY GENITO-URINARY RESEARCH

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Wednesday, January 26 | 3:00PM-4:00PM

Functional magnetic resonance imaging (fMRI) is a reliable, valid, and non-invasive measure of human brain activity. fMRI has been used to study neurobiological mechanisms involved in behaviors, cognitive processes, and mental illnesses. This talk will provide an introduction to fMRI methodology using examples from Dr. Engelmann's nicotine dependence research. Basics of data acquisition, statistical analysis, and interpretation of results will be covered. The methodological introduction will be followed by discussion of potential applications of fMRI to the mission of the TIGUR Center.



Presented by: Dr. Jeffrey Engelmann, PhD

Dr. Jeffrey Engelmann received his PhD in cognitive and biological psychology in 2010 from the University of Minnesota. He completed postdoctoral training in addiction neuroscience and cancer prevention at the University of Texas MD Anderson Cancer Center. His current research focuses on using fMRI to study mechanisms that might contribute to racial disparities in tobacco use and smoking cessation. His research has been funded by the National Institute on Drug Abuse, Advancing a Healthier Wisconsin, and the Greater Milwaukee Foundation.

Location: Zoom