



## Departmental Distinguished Grand Rounds

### *Interventional Neuropsychiatry*

**Dr. Nolan Williams, M.D.**

Associate Professor of Psychiatry and Behavioral Sciences

Director, Brain Stimulation Laboratory

Director, Interventional Psychiatry Clinical Research

Department of Psychiatry and Behavioral Sciences

Stanford University

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**Date and Time:** March 28, 2024. The lecture will be from 12:00 - 13:00, including Q&A. The following 30 minutes (13:00 – 13:30) will be dedicated to young trainees and residents who are particularly interested in Dr. Williams's research and career path.

**Location:** This seminar will be held via Zoom. Please register [here](#)



#### **Biography:**

Dr. Nolan Williams, MD, is an Associate Professor within the Department of Psychiatry and Behavioral Sciences and Director of the Stanford Brain Stimulation Lab. He has a broad background in clinical neuroscience and is triple board-certified in general neurology, general psychiatry, and behavioral neurology & neuropsychiatry. Themes of his work include examining the use of spaced learning theory in the application of neurostimulation techniques, development and mechanistic understanding of rapid-acting antidepressants, and identifying objective biomarkers that predict neuromodulation responses in treatment-resistant neuropsychiatric conditions. His work resulted in an FDA clearance for the world's first

non-invasive, rapid-acting neuromodulation approach for treatment-resistant depression. He has published papers in high-impact peer-reviewed journals, including Nature Medicine, Nature Mental Health, Brain, American Journal of Psychiatry and the Proceedings of the National Academy of Science. Results from his studies have gained widespread attention in Science and NEJM Journal Watch and have been featured in multiple news outlets, including TIME, US News & World Report, Newsweek, Scientific American, ABC, NBC, CBS, NPR, and more. Dr. Williams received two NARSAD Young Investigator Awards in 2016 and 2018, as well as the 2019 Gerald L. Klerman Award. He was honored with the Stanford University Chairman's Award for Advancing Science in 2019. In 2020, he received the National Institute of Mental Health Biobehavioral Research Award for Innovative New Scientists as well as the One Mind Bipolar Research Award. In 2020, 2021 and 2022, he received the BBRF Leading Research Achievements Awards, and in 2024, he received the A.E. Bennett Award from the Society of Biological Psychiatry.

#### **Objectives:**

- To provide a background for neuromodulation treatments for depression
- To discuss recent findings specifically in theta burst TMS
- To demonstrate a new rapid-acting brain stimulation method