NEURAL ENGINEERING SEMINAR SERIES

Deep Brain Stimulation Technology Advancements in PD

https://psu.zoom.us/j/92405373420

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12:15 -1:15 p.m. (ET)
W306 Millennium Science Complex

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ABSTRACT:

This presentation will aim to provide a general overview and update on topics surrounding deep brain stimulation therapy in the movement disorder population and more specifically PD patients. Of particular focus will be utilization of local field potentials in the clinic to understand brain physiology and pathophysiology as it correlates to movement disorder symptoms. As well as to explore future implications of this technology both from a clinical and research lens.

BIOGRAPHY:

De Jesus joined the Department of Neurology in 2016 as co-director of the Deep Brain Stimulation program. She received her medical degree from Ponce School of Medicine, and completed her neurology residency at Penn State, followed by movement disorder fellowship at the University of Florida. De Jesus cares for one of the largest patient cohorts implanted with the DBS brainsense system and has been at the forefront in implementing this new technology. She has served as investigator on multiple PD-DBS-related clinical trials and her research interests include patient quality improvement and understanding the various factors impacting post DBS-outcomes.