

Deep Brain Stimulation: Developing, Optimizing, and Understanding Therapeutic Strategies in Stroke and Parkinson's Disease

Friday, March 22 | 8:30 am

Wolstein Research Building, Room 1413
Case Western Reserve University



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Kenneth Baker, PhD has over twenty years of experience in deep brain stimulation (DBS), both clinically and in the laboratory. His research interests largely involve the therapeutic application and mechanisms of neurostimulation-based approaches to neurologic and psychiatric disease, with a particular focus on the use of DBS for the treatment of Parkinson's disease, stroke, and traumatic brain injury. In his presentation, Dr. Baker will provide an overview of the preclinical and clinical research studies currently underway in his laboratory.

Current NIH-supported projects include 1) developing and testing novel DBS paradigms to enhance therapeutic outcomes in Parkinson's disease, 2) optimizing deep cerebellar stimulation to enhance chronic, post-stroke rehabilitation and 3) an on-going, phase I clinical trial of cerebellar dentate nucleus DBS in human stroke patients.

Seminar Co-host



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