

**Andre Machado, MD, PhD**

Neurological Institute, Chairman

Functional Neurosurgery, Endowed Chair, **Cleveland Clinic**

Dr. Machado is the Chairman of the Neurological Institute and the Charles and Christine Carroll Family Endowed Chair in Functional Neurosurgery. Dr. Machado performs deep brain stimulation (DBS) surgery for patients with Parkinson's disease, tremor, dystonia and obsessive-compulsive disorder as well as surgical procedures for patients with trigeminal neuralgia, intractable pain syndromes and spasticity. Dr. Machado received his medical degree from the University of Sao Paulo in 1997. He completed his residency in the same institution in 2003 and obtained his Ph.D. in 2004. He came to the Cleveland Clinic in 2004, completed his fellowship in Stereotactic and Functional Neurosurgery in 2006 and has been on the staff of the Cleveland Clinic since then. Dr. Machado is the program director for education in Stereotactic and Functional Neurosurgery and won the "Teacher of the year award" from the Department of Neurosurgery in 2009. Dr. Machado is Full Staff in the Department of Neurosurgery with Joint Appointments in the Department of Neuroscience and in the Department of Biomedical Engineering at the Cleveland Clinic Lerner Research Institute. He is the current Chairman for the Joint Pain Section of the CNS/AANS and he is a Board Member of the American Society of Stereotactic and Functional Neurosurgery. Dr. Machado leads several deep brain stimulation and neuromodulation clinical trials as well as laboratory research. His research in deep brain stimulation for thalamic pain syndrome was awarded the National Institutes of Health Director's New Innovator's Award. In addition, he conducts deep brain stimulation research for treatment refractory depression as well as obsessive compulsive disorder. His laboratory in the Lerner Research Institute is focused in developing new strategies for utilizing neuroprosthetic devices such as DBS to improve post-stroke rehabilitation. His current NIH funded research is aimed at evaluating the effects of deep cerebellar stimulation on post-stroke perilesional plasticity and recovery of function. Dr. Machado is the author of several peer reviewed publications and chapters in stereotactic and functional neurosurgery.