

**Technology:** [Methods and systems for treating neurological movement disorders](#)

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**Location:** San Francisco, CA

**Topic:** Neurology

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The VA has a joint ownership interest with The Regents of the University of California

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**Abstract:** The present disclosure provides methods for reducing the clinical presentations of a neurological movement disorder in a subject. Aspects of the methods include measuring cortical local field potentials (LFPs) from the subject's brain, calculating a modulation index related to brain synchronization from the LFPs, and administering deep brain stimulation to the subject if the calculated modulation index is outside of a threshold range. Also provided are devices, systems, and kits that may be used in practicing the subject methods.