RESEARCH/PROJECT NAME: Seizure suppression with deep brain stimulation: closing the loop"

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ABSTRACT: Deep brain stimulation has been shown to suppress seizures by approximately 40% on average in drug refractory patients. Improving efficacy may require finding new locations that are more effective and designing stimulation waveforms tuned to the patient's physiology. Our lab has been using an *in vivo* model of seizures and testing new stimulation sites and closed-loop stimulation algorithms to increase efficacy.