

Would You Like to Contribute to a study to Help Determine the Treatment for Patients Who Have Clinical Diagnosis of Idiopathic Parkinson's Disease, Dystonia, or Tremor?

A Farmer Foundation Research Study

“Modulatory Effects of Deep Brain Stimulation on Cerebral Cortical Activity”

We invite you to take part in a research study because you have been diagnosed with Parkinson's disease or essential tremor and use a deep brain stimulation (DBS) system as treatment for the disease. The purpose of this study is to learn more about the effects of DBS on brain activity.

**Who is Eligible?**

- Between 40 and 80 years of age;
- Ability to provide informed consent;
- Clinical diagnosis of either idiopathic PD or ET by a movement disorders neurologist;
- Disease duration of at least 4 years;
- Treated with DBS of either the subthalamic nucleus, the internal segment of the globus pallidus or the ventrolateral thalamic region at least three months prior to study enrollment.

**What is Involved?**

You will be asked to have electrodes placed on your head for recording brain activity. Throughout the testing visits, you will be seated in a chair while your DBS settings are altered. Sometimes you will receive auditory, visual, or general sensory stimulation, or perform computerized cognitive (e.g. memory) tests and arm activities measuring motor response. Your participation in this study will be for two study visits. You may be required to stay in a hotel overnight between study visits.

**Benefits of Participating**

You will receive a parking voucher and a taxable\* stipend of \$250 for the Study Visit, which you will receive in the form of a check mailed to you.

**For more information:**

Please email us at [sheffic2@CCF.org](mailto:sheffic2@CCF.org)

