

## Eligibility Requirements:

- between 25 and 75 years old
- a survivor of a single ischemic stroke in the left hemisphere
- greater than 6-months post-stroke
- score within a specific range on pre-treatment language-based testing
- right-handed (before the stroke)
- a native speaker of English
- able to provide informed written or verbal consent
- able to have an MRI

Participants will be reimbursed for their time.

Clinical Trial Information:

[clinicaltrials.gov/ct2/show/NCT02540109](https://clinicaltrials.gov/ct2/show/NCT02540109)



## Contacts:

Elizabeth H. Lacey, Ph.D.

202-877-1124

EHL4@georgetown.edu

Candace van der Stelt, MS,

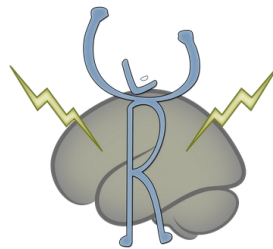
CCC-SLP

202-687-5205

cv486@georgetown.edu

## Cognitive Recovery Lab

Peter E. Turkeltaub, MD, PhD,  
Director



# Brain-based Understanding of Individual Language Differences after Stroke (NIH Funded Study)

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Georgetown University  
MedStar Health Research

## Have you ever wondered why you recovered the way you did from your stroke?

We want to study what factors contribute to stroke recovery. We are interested in looking at the individual differences in stroke survivors, including brain structures, e



## What is Transcranial Direct Current Stimulation (tDCS)?

- A type of noninvasive brain stimulation
- Uses weak electrical currents on the head
- May enhance language recovery
- Safe technique
- No major side effects reported



tDCS uses the current from this type of battery.

## What is the next step?

**1. Call or e-mail us to discuss the study!**

### **2. Evaluations**

You will perform a series of language tests to confirm eligibility.

### **3. MRI**

We will take pictures of your brain while you perform language tasks

### **4. tDCS Treatment**

You will receive 3 weeks of tDCS while working on a computerized therapy program. The treatment can be done at NRH, Georgetown, or in your home.

### **5. Follow-ups**

We will evaluate you one week, one month, and six months after treatment.