

## Volunteers Invited for a Research Study

We are looking for volunteers to participate in a research study to better understand the brain area involved in speech production. Specifically, we are investigating the effects of transcranial direct current stimulation (tDCS), a form of brain stimulation, on speech production.

We are recruiting adults who stutter and fluent speaking adults. Participants will come in for four visits that will be approximately one week apart. The first visit will last approximately 2.25 hours and the other visits will last approximately 1.5 hours each. Participants will be compensated \$5 for every twenty minutes that they participate in the study.

### Eligibility Requirements

- Age 18 years or older
- Proficient in English
- Either a typically fluent speaker or a person who stutters
- No history of speech or language deficits (besides stuttering)
- Right handed based on the Edinburgh Handedness Inventory
- No known loss of consciousness for > 5 minutes in the past five years
- Good or corrected hearing
- No history of major psychiatric, substance use disorder, or neurological disorders such as seizures
- No surgically implanted metal in the head (example; cochlear implants, aneurysm clips, brain electrodes)
- No pace-makers
- No illicit drug use 24 hours before the study
- No alcohol consumption the day of the study
- Not pregnant
- No known skin disease

To be eligible for the study you must meet the eligibility requirements listed above.

The study will be conducted at the Speech and Hearing Center on the UNM campus.

If you are interested in participating please contact Dr. Rick Arenas.  
[rickarenas@unm.edu](mailto:rickarenas@unm.edu) or call 505-277-7003



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