

WE ARE RECRUITING!

- Does your child have hemiplegic cerebral palsy?
- Is he/she aged between 6 to 17 years?

If you answered yes to both questions, we would like to invite your child to participate in a study examining the effects of bimanual training and Transcranial Direct Current Stimulation (tDCS) on hand function in children with hemiplegia. This study will be performed over a 1 week period, and your child will be compensated for his/her time.

Where?

Teachers College, Columbia
University (New York, NY)

or

Burke Neurological Institute,
Weill Cornell Medicine (White
Plains, NY)

When?

1-week periods
(contact us for dates)



Participation will involve:

- **5 training sessions (2 hours/session):** 2 hours of bimanual training a day for 5 consecutive days. Transcranial Direct Current Stimulation (tDCS) will be applied during the first 20 minutes.

(tDCS is a non-invasive form of brain stimulation which is believed to enhance the effects of motor training on hand function. It is a safe technique that has been used with over 200 children.)

- **3 assessment timepoints:** Clinical evaluations of hand function and Transcranial Magnetic Stimulation (TMS) will be done immediately before camp, after camp, and at a 6 month follow-up.

(TMS makes brief magnetic fields over the scalp to activate brain cells, and enables us to map out areas of the brain controlling motor movements. **Non-invasive TMS pulses** will be used in this study, which is considered minimal risk and tolerable to children. **Note: If your child has a recurrent history of seizures after two years of age, he/she might not qualify.**)

Interested in participating or want more information?

Call: 212-678-3332 | Email: cpresearch@tc.columbia.edu | IRB Protocol #: 18-10-285-512