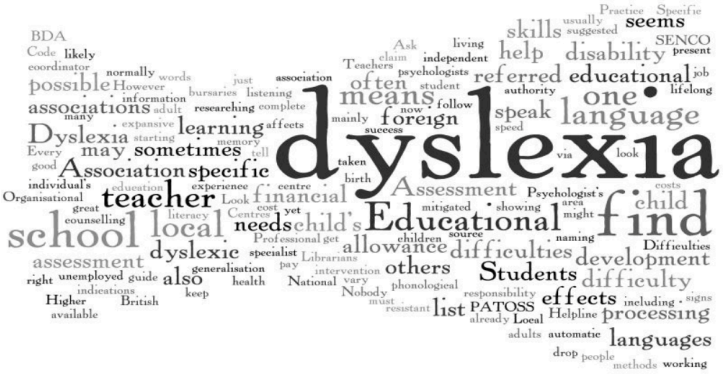



# TEACHERS COLLEGE COLUMBIA UNIVERSITY

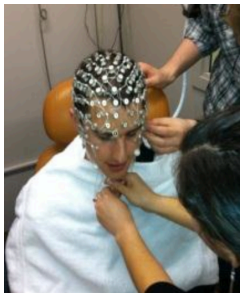
## Department of Biobehavioral Sciences

THE READING BRAIN

Learning to read involves direct instruction and a lot of practice, to enable different brain processes and regions to work in coordination. For example, the language system has to learn to work with the visual system. This study explores early-stage visual processing in individuals with and without dyslexia. Dyslexia is characterized as an inability to achieve reading competency despite adequate motivation, cognition, sight, and hearing, as well as appropriate educational instruction. Using electroencephalography (EEG), a non-invasive technique for recording electrical activity generated by the brain, stimuli designed to target the visual system will be used to explore early-visual processing. This type of research needs individuals who are willing to volunteer to participate.

**Volunteer Opportunity**

We need study participants who live in the Metro New York area, have normal or corrected-to-normal vision, have normal color vision, and fit one of the following categories:



- Children ages 9–10 years, with a diagnosis of dyslexia.
- Children ages 9–10 years, without a diagnosis of dyslexia.
- Adults ages 18–25 years, with a diagnosis of dyslexia.
- Adults ages 18–25 years, without a diagnosis of dyslexia.

Please feel free to forward this email to adults and the parents of any children you might know who fit the above description. Participants will receive a $20 Amazon gift card as our way of expressing appreciation for their having contributed time so that we might further understand the potential underlying neural mechanisms that might contribute to dyslexia. A session will take less than 2 ½ hours in total. This does not include travel time to or from the lab.

***Contact name, phone, & email for more information***:

Lisa Levinson, lml2155@tc.columbia.edu, 917-882-1934

**Neurocognition of Language Lab -** WWW.TC.EDU/NEUROCOG

***IRB Approval number and contact information:*** Approved until 06/24/2016 by Teachers College, Columbia University Institutional Review Board. Protocol Number: 14-264. IRB Compliance Associate: 212-678-4105.