

Harvard Vision Sciences Lab

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What are the questions ?

Within a few hundred milliseconds, we can recognize and categorize an incredible number of objects in the world around us. What are the mechanisms that allow us to accomplish this feat ?

In these studies, we ask how broad category membership -- for example, whether something is an animal or an object -- might be used by our visual system to speed up the process of object recognition. We ask these questions using behavioral experiments and EEG recordings.

What will you do ?

- Work one-on-one with both the graduate student and faculty member on the project
- Learn how to code experiments and analyze data in MATLAB/Psychtoolbox
- Learn how to use EEG, a neuro-imaging technique used to collect brain data with 10-millisecond precision
- Collect and analyze EEG and behavioral data
- Learn how to collect, make, and balance new stimuli
- Aide in the design of new experiments

What's required?

- An interest in cognitive science, strong organizational skills, and a willingness to learn new techniques
- Some coding and/or research experience is desirable.

This position for course credit only. We also accept volunteers.

Interested? Please contact Bria Long, brialong@fas.harvard.edu, directly to apply.