Faculty member or graduate student
Yu-Chin Chiu, PhD, Assistant Professor
Cognitive Neuroscience of Cognitive Control Lab

Description of research area

Cognitive control is a psychological construct that refers to a collection of processes that allow us to orchestrate thought and action according to our goals. For instance, we are able switch from one task to another by implementing cognitive control over task sets. While cognitive control is crucial to our everyday behavior, the underlying mechanisms are not well understood. Our lab conducts behavioral and neuroimaging experiments that try to specify the neurocognitive architecture of cognitive control and how it interacts with perception, learning, and memory.

Description of undergraduate participation

Students will assist with running behavioral experiments in the lab and participate in lab meetings (journal club) to learn about the cognitive control literature. If they are interested in developing their own research ideas, they will also learn to program their own experiment and analyze data (not required).

Research setting

Our lab is located on the 3rd floor of the Psychology Building (PSYC).

Number of assistants needed

2 students are needed.

Contact information

Please submit the following materials under the subject line “PSY390 [Spring 2020]” to yuchinchiu@purdue.edu:

- Transcript
- A description of your research interests (250 words or less)
- What do you expect to learn from this experience?
- Please also specify the number of hours you would like to work weekly.

Additional comments