PSY 390 Research Opportunity – Fall 2022

Faculty member or graduate student

Sébastien Hélie

Description of research area

We use behavioral (mostly), fMRI, EEG, and computational modeling methods to study the cognitive neuroscience of decision-making and problem solving with typical undergraduate students (mostly), older adults, and people with Parkinson's disease. We are especially interested in how individual differences in effort discounting, risk assessment, and reward sensitivity affect choices and ability in decision-making and problem solving. You can find a description of the lab’s work here: http://ccn.psych.purdue.edu/index.html.

Description of undergraduate participation

Research assistants will help with researching the literature and use computers to collect data from human participants in a lab setting. The research assistant may also help with EEG/fMRI data collection if needed.

Research setting

Laboratory for Computational Cognitive Neuroscience (Peirce Hall), Chiu Lab (PSYC; if EEG is performed), and Purdue Life Science MRI facility (if fMRI work is performed).

Number of assistants needed

1 or 2

Contact information

Sébastien Hélie at shelie@purdue.edu.

Additional comments

Students who have taken Intro to cognitive psychology and/or intro to cognitive neuroscience will be given priority. A GPA of 3.0 or higher is required.