Faculty member or graduate student

Sébastien Hélie

Description of research area

We use behavioral, 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 the relationships between verbal and non-verbal components of 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

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.