

Faculty mentor: Anthony Wagner

Research supervisor(s):

Corey Fernandez (PhD student, coreyf@stanford.edu)

Project topic(s): Investigating how spatial representations in the human memory network evolve across learning

Brief description of scientific issues:

Research in the Stanford Memory Lab investigates how we update existing memories with new experiences and how these memories are represented in the brain. We are looking for a candidate to assist with a virtual navigation study that combines behavioral virtual reality navigation tasks and fMRI.

Skills required:

Ideal candidates should be reliable, eager to learn, and have an enthusiasm for research. Programming expertise and/or a background in psychology or neuroscience is helpful but not essential.

Skills to be learned:

A variety of research skills will be learned, including how to perform behavioral experiments, collect fMRI data, and critically evaluate scientific papers. Additionally, the RA will learn how to process and analyze behavioral and fMRI data. If interested, opportunities will be available for the RA to develop programming skills and/or to learn methods for statistical analysis.

Contact person: Corey Fernandez, coreyf@stanford.edu