



BROWN

## Burwell Laboratory of Memory and Attention

### About the Burwell Laboratory

The Burwell Laboratory is dedicated to understanding the structure and function of the cortical regions that surround the hippocampus. Our goal is use behavioral neuroscience approaches in rats and mice to better understand human cognition. Using neuroanatomical, experimental lesion, electrophysiological, and optogenetic approaches, our laboratory examines the contribution of the perirhinal, postrhinal, and entorhinal cortices, to memory and to other higher cognitive functions.

Currently, the laboratory consists of four postdoctoral fellows, two graduate students, four undergraduate students, and a lab manager.

### Summer Undergraduate Research Program

We have a limited number of summer research rotations for undergraduates, especially students from historically black colleges and universities. We currently have funding sophomores and juniors at Dillard University and Xavier University in New Orleans and at Tougaloo College in Jackson, MS. Our goal is to increase diversity in neuroscience. Students who are considering academic careers in biological psychology, behavioral neuroscience, or systems neuroscience are strongly encouraged to apply.

### Summer Activities

Successful applicants will spend 10 weeks in the summer at Brown University working with Dr. Burwell and a graduate student or postdoc. Students will be housed with Leadership Alliance students in Brown housing and will receive a stipend for the summer. Travel to and from Providence, RI will be covered by the program. The summer rotation is intended to provide an academic research experience in behavioral neuroscience. In addition to research training, activities will include instruction in presentation skills, science writing, and research ethics.

### How to apply

Interested students should contact Dr. Burwell for more information and an application. Applications are due in mid February and decisions will be made in early March. An application can be downloaded from the Burwell Laboratory website under Outreach.

<http://www.brown.edu/research/labs/burwell/>