

# PLAKKE LAB

ARE YOU  
INTERESTED  
IN RESEARCH  
EXPERIENCE?

- The Plakke lab is looking for 4-5 undergraduates to serve as research assistants. Our lab studies executive function deficits in a rodent models of autism and ADHD.

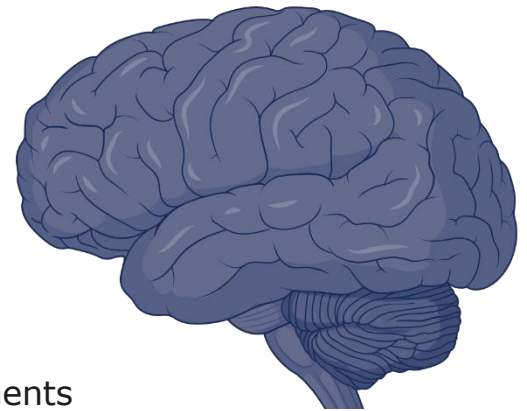
- Behaviors measured include social interactions, and repetitive behaviors, and changes in cognitive flexibility. We are using Fmr1 knock out rats, model of Fragile X syndrome, to better understand behavioral and brain differences.

- Projects include:  
Training rats in operant tasks to test cognitive flexibility  
Measuring motor and gait behaviors  
Using microwire arrays to record from the prefrontal cortex of working animals

## STUDENT INVOLVEMENT

Students will have the opportunity to design experiments as well as participate in collecting and analyzing data. A variety of techniques including behavioral handling and training of animals, neurophysiology, and histology can be learned by students. Students can develop a project and present the work at regional or national conferences and can gain valuable experience sharing their research.

PLANNING  
TO ATTEND  
GRADUATE  
SCHOOL OR  
MEDICAL  
SCHOOL?



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