

The Behavioral Neuroendocrinology Lab, headed by Dr. Matthew Paul, is seeking applications for an Undergraduate Research Assistant. Interested students should complete the attached application form and email it to Dr. Paul at mjpaul@buffalo.edu.

Our lab investigates the neural mechanisms that regulate development of social behaviors in male and female rodents (rats and hamsters). Typical behaviors examined are play behavior and ultrasonic vocalizations (a form of social communication). Current projects are focused on the neuropeptide, vasopressin, which may have different roles for male and female social development. For more details, see our website - <https://ubwp.buffalo.edu/ubbnelab/>

The successful applicant will assist other students and technicians in various projects. Typical procedures in our lab include conducting, scoring, and analyzing social behavior tests; histology including immunohistochemistry; genotyping (by PCR amplification and restriction enzyme digest); small animal surgeries including stereotaxic surgeries to inject drugs into the brain; brightfield and fluorescence microscopy; and general laboratory animal care (changing cages, health inspections). While prior research experience is a plus, the student will be fully trained by personnel in our laboratory.

This position provides a wonderful opportunity to gain experience with animal research that includes many common neuroscience techniques. The student would also learn how to design experiments and to think critically about science. The position is ideal for someone interested in pursuing a career in scientific research (e.g., graduate school or pharmaceutical industry). Undergraduate research assistants are expected to devote 8-10 hours a week towards laboratory work, which in addition to work on their designated project includes training sessions, weekly laboratory meetings, and assisting with miscellaneous laboratory tasks (e.g., laboratory maintenance and cleaning).

Behavioral Neuroendocrinology Lab Undergraduate Research Assistantship Application

Please complete the following questions and email the form to Dr. Matthew Paul at mjpaul@buffalo.edu.

Name: _____

Grade Level (e.g. sophomore): _____

Major: _____

Cumulative GPA: _____

Email: _____

Cell phone #: _____

Are you interested in continuing to work in this lab next semester?

Are you interested in working in the lab over the summer?

List all Psychology, Biology, and Neuroscience courses (include course name and number) you have taken and the grade received.

Briefly describe any past research experience you may have.

Why are you interested in laboratory research?

Why are you interested in working in our lab?

Are you comfortable working with animals?

Research in our laboratory often involves many hours of scoring/analyzing video and audio files on the computer. Would you be happy doing this?

Please enter your schedule for this semester. For times in which you are ***busy or unable to come into the lab***, place an X into one of the boxes – based on which category it fits into. ***Empty boxes suggest you are able to come into the lab.***

Monday	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5
Classes									
Work									
Extracurriculars									
Tuesday	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5
Classes									
Work									
Extracurriculars									
Wednesday	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5
Classes									
Work									
Extracurriculars									
Thursday	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5
Classes									
Work									
Extracurriculars									
Friday	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5
Classes									
Work									
Extracurriculars									
Saturday	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5
Work									
Extracurriculars									
Sunday	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5
Work									
Extracurriculars									

Please provide any additional comments on your availability here: