

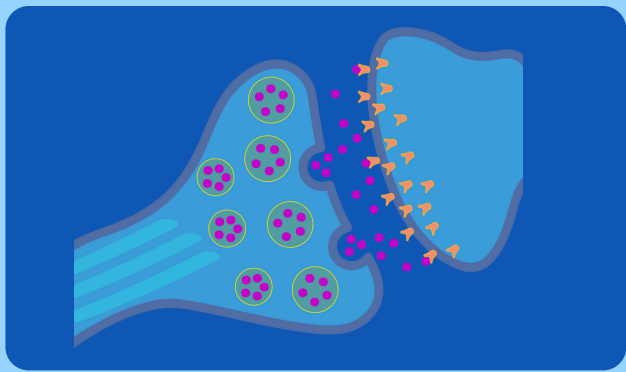
RESEARCH OPPORTUNITIES IN NEUROSCIENCE

AT WELLESLEY COLLEGE AND BEYOND



LABS AT WELLESLEY

Being involved is not only important for gaining experience in the lab world for grad school, future work opportunities, etc but also to become more excited about the hands-on possibilities the field of neuro has.



- **SHARON GOBES - LEARNING AND MEMORY IN SONGBIRDS**

Investigates the cognitive and neural mechanisms underlying animal behavior, using songbirds as a model system to study learning and memory.

- **MARC TETEL - ESTROGEN AND GUT MICROBIOMES**

Interested in how the ovarian hormones, estradiol and progesterone, act in the brain to regulate gene expression and behavior in rodents.

- **SARA WASSERMAN - SENSORY PERCEPTION IN THE FRUIT FLY**

Research utilizes fruit flies & 'virtual-reality' flight simulators to investigate the neuronal mechanisms that permit the multi-sensory integration required to produce contextually appropriate behavior.

- **MIKE WIEST - NEURAL CORRELATES OF AUDITORY PERCEPTION**

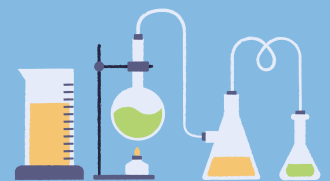
What is it about the matter in a living brain that makes it experience perceptions, feelings, and thoughts?

- **COURTNEY MARSHALL - PATHOLOGICAL MECHANISMS OF ALZHEIMERS**

Investigates how pathological proteins aggregate, spread, and impair cognitive function in Alzheimer's disease.

KEEP LABS FROM OTHER DEPARTMENTS IN MINDS!

Often, labs in other departments encompass ideas or skills that are overlap and are useful for neuroscience. Consider looking at labs in the chemistry, biology, psychology, and other departments and reaching out to professors who have labs that interest you!



Start by reaching out to the professor whose research you're interested in. Send an email indicating your interest in meeting to discuss possible opportunities in the lab. Even if the lab is full, professors still love to meet and discuss work and research!

OFF CAMPUS RESEARCH

- **MIT UROP PROGRAM**

UROP (Undergraduate Research Opportunity Program) enables students to join the research efforts of MIT faculty in a number of departments. Both summer and school-year internships are available.

- **MCLEAN MENTAL HEALTH SUMMER RESEARCH PROGRAM**

The McLean program provides research opportunities and long-term mentorship in neuroscience, clinical psychology, and psychiatry. The program aims to increase representation within the field by having this research opportunity for students whose identities are underrepresented within scientific fields.

- **BROAD SUMMER RESEARCH PROGRAM**

The Broad Summer Research Program (BSRP) is an intensive nine-week summer research opportunity designed for undergraduates with a commitment to biomedical research and an interest in genomics. Students spend the summer performing original computational or experimental-based research in labs across the Broad's research areas, from cancer to infectious disease to computational biology.

Research and Labs at Other Universities

Researching and getting in touch with opportunities at colleges, universities, or research centers that are located in your place of residence (for the summer) or Boston can be a great way to find programs and undergrad research. Reach out or apply to multiple labs and always check for Wellesley network connections. Email, email email!



WELLESLEY SPONSORED SUMMER RESEARCH

- **WELLESLEY SUMMER RESEARCH PROGRAM**

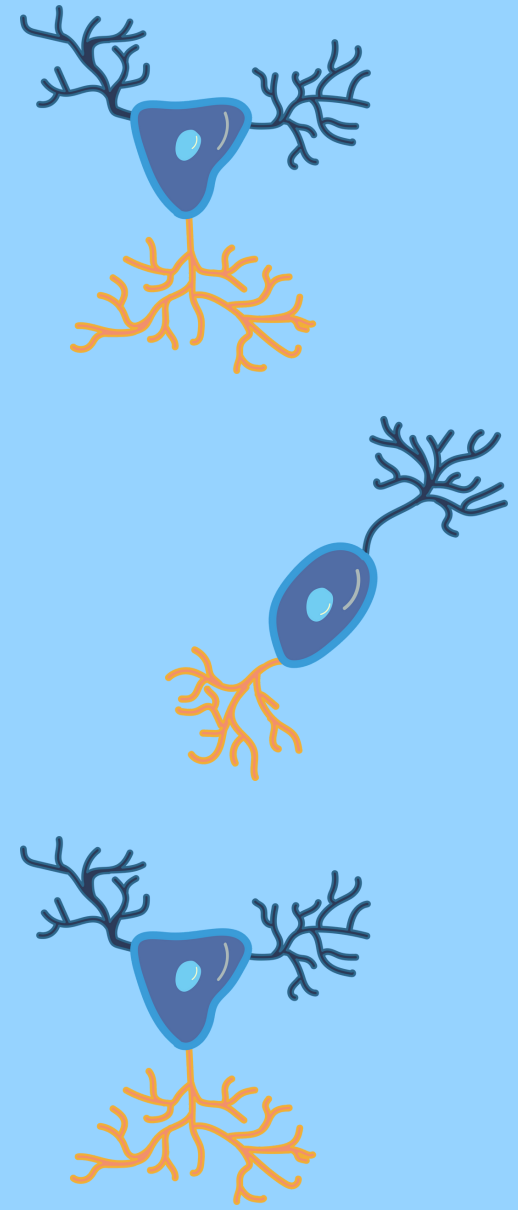
The Wellesley Summer Science Research Programs typically run for 9 weeks and take place at the college. On this page, you will find a link to all project descriptions that are updated each year. Look at the department listing to see which projects are neuro-focused!

- **THE BUEGELEISEN FAMILY MULTIPLE SCLEROSIS UNDERGRADUATE RESEARCH FELLOWSHIP**

Opportunity for a Wellesley student to play an integral role in basic MS research. The student selected will work for 10 weeks during the summer in the lab of Dr. Francisco Quintana at the Center for Neurologic Diseases, Brigham and Women's Hospital, Harvard Medical School.

- **WELLESLEY-CHOP CLINICAL RESEARCH SCHOLARSHIP IN CHILD NEUROLOGY**

A summer clinical research opportunity at the Children's Hospital of Philadelphia for a Wellesley undergraduate student who has an interest in medicine and children with neurologic disorders, specifically leukodystrophy.

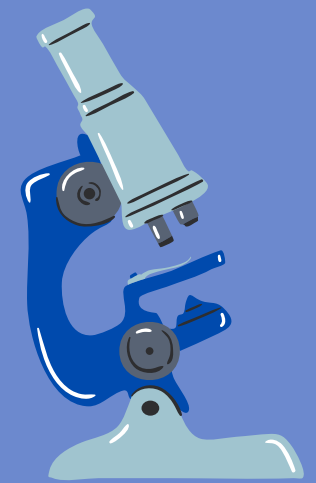


KEEP IN MIND!

The first-year apprentice program and sophomore early research program are great ways for those with less of a background with lab experience to get a start in research.

Think about applying for Wellesley's Grant Program, which provides funds for students to take unpaid internships or volunteer opportunities over the summer.

There are few paid positions for each lab and they are, usually, only made available to work-study students. The apprentice and early research programs (see the second page) are other paid lab programs to look into.



Visit the Neuroscience Department Research Page at <https://www.wellesley.edu/neuroscience/students/research> for more information!