



STILES-NICHOLSON BRAIN INSTITUTE

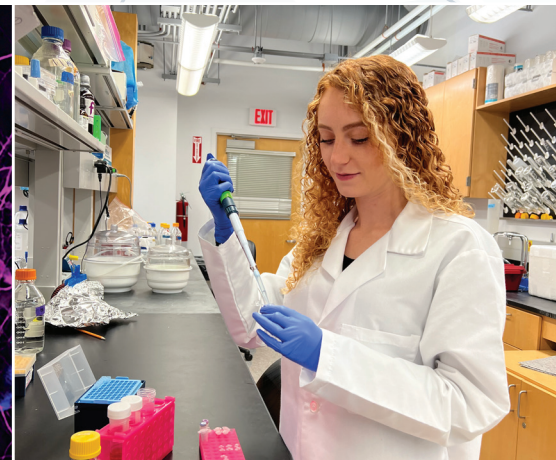
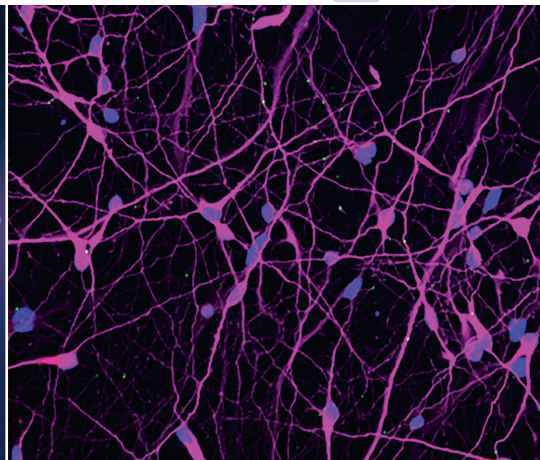
Neuroscience Graduate Program
Florida Atlantic University

Area of Research Emphasis A:

CELLULAR, MOLECULAR & BIOMEDICAL NEUROSCIENCE

The FAU Neuroscience Graduate Program (NGP) links the Colleges of Science, Medicine, Engineering and Computer Science, Education, the Wilkes Honors College, and The Center for Complex Systems to achieve a multidisciplinary research and training experience. NGP students also have the opportunity to pursue research at the Max Planck Florida Institute for Neuroscience and UF Scripps Biomedical Research. NGP students use modern approaches to understand the cellular mechanisms of normal neuron development and function, and how disruptions in these can impact the risk for brain disorders.

Multidisciplinary techniques examine the neurochemistry, metabolism, synaptic connectivity, and structural-functional organization of neurons and the circuits they form. Animal models of human disorders are used to study pathological changes in neurons to devise more effective therapeutics for pain, autism, epilepsy, stroke, and neurodegeneration. Students use cutting-edge techniques in high-resolution microscopic imaging, gene manipulation, induced pluripotent stem cells, transcriptomics and bioinformatics to elucidate the details of fundamental and pathological neuron biology.



FLORIDA ATLANTIC UNIVERSITY
STILES-NICHOLSON BRAIN INSTITUTE

Learn more: fau.edu/ibrain/gradneuro

NEUROSCIENCE IN THE SUN

NGP students can pursue education and research options on the FAU Boca Raton, Davie and Jupiter campuses. All campuses are located only minutes away from coastal beaches and intracoastal waterways, each teaming with wildlife and providing many opportunities for aquatic adventures. The Everglades National Park, as well as many state parks, nature centers and wildlife refuges offer hours of relaxation amid the beauty of the natural world.

Sophisticated and inexpensive dining and entertainment are within easy reach of FAU students. A free, Wi-Fi enabled shuttle connects the Boca Raton and Jupiter campuses. Step out of class and into all that South Florida offers: stunning beaches, snorkeling, paddleboarding, boating and fishing.

World-class shops and restaurants. Engaging culture and arts. Top-tier Entertainment. You'll quickly see why millions travel here from around the globe—and why so many choose to stay.



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