

AREAS OF RESEARCH EMPHASIS A:

Cellular, Molecular & Biomedical Neuroscience

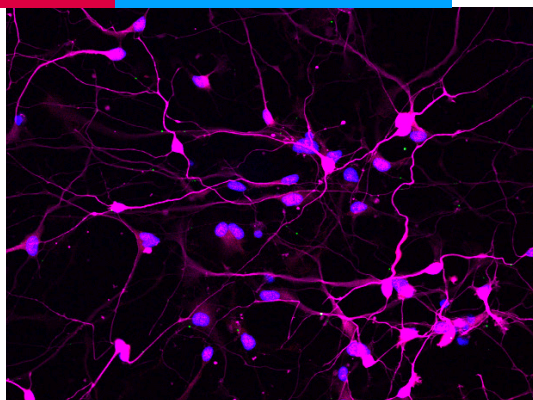


FLORIDA ATLANTIC UNIVERSITY

Neuroscience
Graduate Program
Stiles-Nicholson
Brain Institute

The FAU Neuroscience Graduate Program (NGP) links the Colleges of Science, Medicine, Engineering and Computer Science, Education, the Wilkes Honors College, and the Max Planck Florida Institute for Neuroscience to achieve a one-of-a-kind multidisciplinary research and training experience. 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.



Learn more:
fau.edu/brain/gradneuro

FLORIDA ATLANTIC UNIVERSITY STILES-NICHOLSON BRAIN INSTITUTE

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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.

