Financial Support

- Stipend is $26,000
- Resident tuition and fees are paid by the doctoral program
- Basic student health benefits are also paid by the institution

APPLICATIONS ARE REVIEWED BY A COMMITTEE COMPOSED OF IBMS FACULTY. HIGHLY QUALIFIED APPLICANTS ARE INVITED FOR INTERVIEWS BEGINNING EARLY IN THE SPRING SEMESTER.

For more information:

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Neuroscience

NEUROPHYSIOLOGY | NEUROCHEMISTRY | BEHAVIORAL NEUROSCIENCE | PSYCHIATRIC DISORDERS | NEUROBIOLOGY OF PAIN | NEURODEGENERATIVE DISORDERS
NEUROENDOCRINOLOGY | NEUROCHEMISTRY

INTEGRATED BIOMEDICAL SCIENCES GRADUATE PROGRAM

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
UT Health Science Center
SAN ANTONIO
Major Areas of Research

NEUROPHYSIOLOGY:
- investigate cellular, molecular and electrophysiological bases for synaptic transmission in normal and disease models

BEHAVIORAL NEUROSCIENCE:
- Employ classic and next generation behavioral paradigms to investigate neural mechanisms underlying cognitive function, learning and memory, drug addiction and pain.

PSYCHIATRIC DISORDERS:
- Range from studies at the cellular and molecular level through clinical studies in humans. Diseases include epilepsy, anxiety, depression, PTSD, schizophrenia, and addiction.

NEUROBIOLOGY OF PAIN:
- Involve both clinical trials and basic research studies. Current projects are evaluating the role of cannabinoids, opioids, adrenergics, estrogens and other drug classes on altering behavioral, physiological, and molecular correlates of nociception

NEURODEGENERATIVE DISORDERS:
- Diseases include Alzheimer’s, Parkinson’s and Amyotrophic Lateral Sclerosis (ALS). Themes overlap extensively with the Aging Program on our campus.

NEUROENDOCRINOLOGY:
- Studies include the control of stress hormones and cardiovascular function to regulation of feeding behavior, energy balance and reproductive function.

NEUROCHEMISTRY:
- Examine the regulation of neurotransmitter activity, signal transduction, structure and function of neuronal proteins, as well as biochemical and metabolic processes.