Typical Curriculum

Year 1: Fall
Medical Gross Anatomy *or* Systems Neurobiology
Medical Neuroscience

Year 1: Spring
Cognitive Neuroscience *or* Advanced Neuroanatomy
Vesalius 1: Teaching in the Biomedical Sciences
Journal Club
Elective(s)

Year 2: Fall
Fundamentals of Cell & Molecular Neurobiology
Experimental Design & Statistical Methods
Cells, Organs and Tissues (Histology) or elective(s)
Scientific Writing
Responsible Conduct in Research

Year 2: Spring
PhD Qualifying Exam
Advanced Seminar
Professional Skills
Journal Club
Elective(s)

Years 3-5
Research and Dissertation
Vesalius 2: Teaching Fellowship
Journal Club
Elective(s)- optional
Advanced Seminar- optional

http://www.bumc.bu.edu/anatneuro/

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BOSTON UNIVERSITY **Boston University** School of Medicine
Department of Anatomy & Neurobiology

Doctoral Program in Anatomy & Neurobiology

http://www.bumc.bu.edu/anatneuro/

Program Overview

The doctoral program in Anatomy & Neurobiology prepares graduates for successful careers in neuroscience research and in biomedical education. PhD students take advanced courses that are part of the Medical School and Graduate School curriculum and subsequently participate as Teaching Fellows in these courses through our renowned Vesalius Teaching Program. The PhD program is designed to produce well-rounded biomedical scientists capable of including both stellar research and exceptional teaching in the course of their career.

PhD students enjoy a full-tuition model which includes a stipend for living expenses, health insurance and exemption from student fees.

Research

Find your Research Passion at BU

The Department of Anatomy & Neurobiology is internationally recognized for its strong research programs in neuroscience and for its innovative discoveries over the past 50 years.

Our research laboratories use state-of-the-art research methods to explore wide-ranging areas of neuroscience in both animal models (rodents and non-human primates) and humans alike; such as:

- Structure, organization, and function of cerebral systems in health and disease
- Neural basis of cognitive decline in aging and age-related disorders
- Cortical development in the normal and disordered brain
- Mechanisms of neuronal plasticity that underlie cognition
- Structural correlates of cognitive changes seen in Alzheimer's and other neurodegenerative diseases.

Teaching

PhD students have the unique opportunity to participate as Teaching Fellows in Departmental courses under the mentorship of our award-winning faculty. As a result of this training, our graduates are widely recognized and in-demand for their excellence in teaching in the anatomical sciences and in neuroscience.

Student Life

The Boston University Medical Campus is located in the vibrant South End neighborhood of Boston. BUMC is known for its rich history, culture, and community, and it is located in an area surrounded by shops, restaurants, nightlife and a thriving arts community. Our students have the opportunity to become involved in many extracurricular activities, organizations and committees that have a real impact on our Department and campus.

Statement on Diversity

Our Department is committed to the purposeful cultivation of an academic community that is representative of society, and the inclusion of individuals of all backgrounds, traditions and individual differences. We believe this diversity enriches our teaching, mentoring and research missions.