Cellular and Molecular Neuroscience M.S.

Introduction

The Master's program in Cellular and Molecular Neuroscience enables students to collaborate with high-profile researchers working at the cutting edge of the discipline. Built upon the combined resources of Delaware State and partner institutions, the program unites researchers from multiple disciplines, including:

- Molecular biology
- Neurochemistry
- Neurophysiology
- Neuroanatomy
- Psychology/behavior

Delaware State has a historical relationship with the neuroscience graduate program at Drexel University (in Philadelphia) and more recently with the University of Delaware, so students can explore the option of completing their thesis research at one of these institutions. The program also offers complete preparation for eventual PhD studies, and culminates in an original MS thesis based on independent laboratory research. Many of the MS courses can be applied towards DSU's PhD in Neuroscience if the student is accepted into that program and passes the comprehensive examination to enter the doctoral level.

Professional Preparation

Delaware State's MS program in neuroscience cultivates a broad range of professional skills. Students have the opportunity to

- collaborate with researchers in the private, public, and nonprofit sectors
- conduct independent research
- contribute to scientific papers
- attend conferences

The program enables graduate students to develop professional networks and build research skills, laying the foundation for a career or further study in neuroscientific research.

Faculty

Because the Master's program in Neuroscience is interdisciplinary and multi-institutional, graduate students work with a broad array of faculty and are exposed to diverse perspectives, techniques, and theoretical approaches. Faculty members at Delaware State University and its partner institutions are engaged in pioneering research funded by the National Science Foundation, National Institute of Health, and other agencies.

Research and Experience

Delaware State University has active research projects in many different areas of neuroscience, including

- behavior
- development

- aging
- cellular / molecular
- clinical neuroscience
- biomechanics
- model systems of learning and memory
- neurophysiology

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