



## Facilities

Our research is conducted within a 74,000-square-foot state-of-the-art Science Center integrated with a medical school campus. Students have access to our core facilities, not limited to:

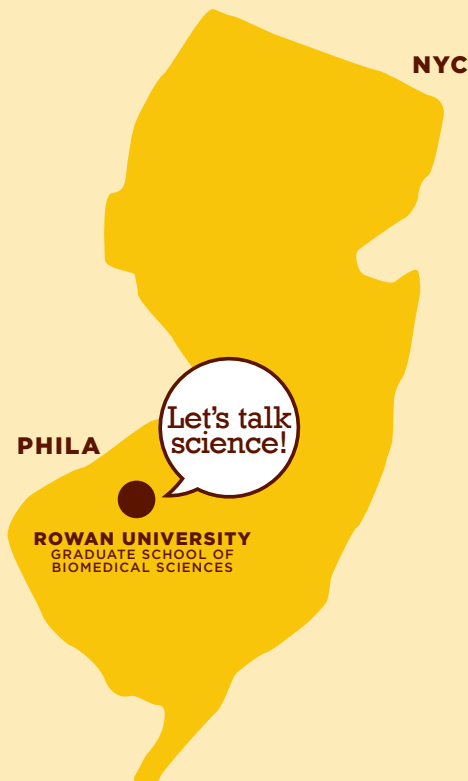
- Behavioral Core
- Confocal Microscopy
- Ensemble Neuronal Recording
- Flow Cytometry
- Histology Core
- *In Vitro Patch Clamp Recording*
- *In Vivo Electrophysiology*
- Laser Capture System
- Mass Spectrometry
- Next-Generation Sequencing
- Transgenic Mouse Core

## Where are we located?

RowanGSBS is conveniently located in Stratford, New Jersey. The nearby PATCO train station allows for a 20-minute ride into center city Philadelphia. The New Jersey beaches; New York City and Washington, DC are all easily accessible as well.

## Don't Delay, Apply Today!

In order to receive full consideration, applicants are encouraged to apply between **December 15 and July 15.**



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42 East Laurel Road, Suite 2200  
Stratford, NJ 08084  
P: 856-566-6282  
F: 856-566-6232

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## MASTER OF SCIENCE IN MOLECULAR CELL BIOLOGY AND NEUROSCIENCE (MS)

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[gsbs.rowan.edu](http://gsbs.rowan.edu)

 **Rowan University**

GRADUATE SCHOOL OF  
BIOMEDICAL SCIENCES

## The Master of Science (MS) Program

The Master of Science in Molecular Cell Biology and Neuroscience at Rowan University Graduate School of Biomedical Sciences

(RowanGSBS) is a challenging and exciting educational experience at one of the northeast corridor's fastest growing and most influential centers for biomedical research and discovery.

### We offer research concentrations in:

- Cell Biology
- Molecular Biology
- Neuroscience

## Curriculum Information

- Foundation Courses in Graduate Biochemistry and Molecular Biology of the Cell
- Skill Courses:
  - Experimental Design
  - Scientific Writing
  - Critical Readings
  - Quantitative Methods
- Focus Courses (must earn 2):
  - Fundamentals of Neuroscience, Neuroanatomy or Cell Culture & Stem Cells (Fall 2nd year)
  - Neurophysiology, Biomolecular Interactions, Graduate Genetics or Neuropharmacology & Behavior (Spring 2nd year)

## Research Interests

In our labs you will find dedicated faculty with diverse research interests such as:

- › Cell Biology
- › Molecular & Cellular Neurobiology
- › Behavioral Neuroscience
- › Neuropharmacology
- › Drug Discovery
- › Cancer
- › Myelination
- › Drug Addiction
- › Model Organisms (Yeast and C. Elegans)
- › Genetic Diseases
- › Neurotransmitter Systems
- › Stress and Anxiety
- › Opioid Drug Actions
- › Traumatic Brain Injury
- › Translational Research
- › Mitochondrial Biology
- › DNA Repair and Replication
- › Structural Biology
- › Ribosome Biogenesis and Function
- › Nucleic Acids



MS students will benefit from close collaboration with our enthusiastic, highly-committed faculty whose research ranges from fundamental areas of biomedical sciences to innovative medical applications.

## Our Graduates

- Complete their degrees on average in **2 years**
- **100%** of our MS graduates have secured a position in the field within four months of graduation

## Seamless transition into the doctoral program

Students in the Master of Science in Molecular Cell Biology and Neuroscience program attend courses with their doctoral classmates, preparing them for a smooth transition into the doctoral program.

