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.

THE MASTER OF SCIENCE (MS) PROGRAM
CELL AND MOLECULAR BIOLOGY

rowan.edu/gsbs
The Master of Science in Cell and Molecular Biology (MSCMB) 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**

- Core 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:
- Addiction
- Aging
- Behavioral Neurobiology
- Cell Death
- Circadian Rhythms
- Cognitive Function
- Developmental Biology
- DNA Repair and Replication
- Drug Abuse and Relapse
- Genetics
- Meiosis and Fertility
- MicroRNAs
- Mitochondrial Biology
- Models of Human Disease
- Molecular Oncology
- Monoamine Transmitter Systems
- Neurodegeneration
- Psychostimulant Drug Actions
- Ribosome Biogenesis and Degradation
- Signal Transduction
- Stem Cell Biology
- Stress and Anxiety
- Transcription Mechanisms
- Translational Research

MSCMB 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 2.25 years
- 100% of our MS in CMB 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 Cell and Molecular Biology program attend courses with their doctoral classmates, preparing them for a smooth transition into the doctoral program.