



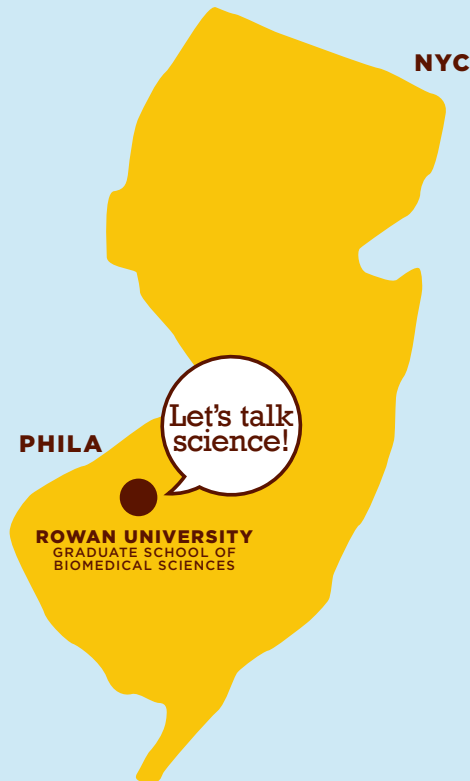
Our physician scientist graduates go on to careers in academia, industry and government. You can find them in private practice, on the faculty of prestigious universities, consulting for leading biomedical companies, and working for government agencies.

Some of our recent graduate accomplishments include:

- Psychiatry/physician scientist residency at University of Maryland, Baltimore
- Dermatology residency at Broward University
- Research fellow/residency in anesthesiology at Johns Hopkins University Hospital
- Hematology and cytopathology fellowship at National Institutes of Health
- Professional Pathology Services, Columbia SC
- Clinical pathology/laboratory medicine at Mayo Clinic
- Physical medicine/rehabilitation medicine residency at Temple University
- Osteopathic Internships at Crozer-Keystone, Jefferson Health New Jersey, Lourdes Health System

## Learn More

Call or email us about the academically challenging, personally fulfilling and professionally rewarding future that awaits you at GSBS. **Application Deadline is December 15.**



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Let's talk  
science!

## DUAL DEGREE IN MEDICINE (DO) AND IN MOLECULAR CELL BIOLOGY AND NEUROSCIENCE (PhD)

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

 **Rowan University**

GRADUATE SCHOOL OF  
BIOMEDICAL SCIENCES

## About the Dual Degree Program

The dual degree merges the distinct academic programs of the Rowan University School of Osteopathic Medicine (RowanSOM) and Rowan University Graduate School of Biomedical Sciences (RowanGSBS), and provides an unparalleled learning that prepares students for careers that intersect medical practice and research.

## Successful candidates will have:

- Earned 'Pass' in all RowanSOM medical school courses at the time of application to RowanGSBS.
- Participated in the mandatory, six week RowanSOM Summer Medical Research Fellowship (SMRF) program with a RowanGSBS basic science faculty member in the summer between the first and second year of medical school.
- Submitted a letter of recommendation from the SMRF basic science faculty mentor at RowanGSBS.
- Accepted Students must pass the COMLEX, Part 1 exam no later than June 30th before matriculating into RowanGSBS.

## The DO/PhD Curriculum

Designed as a seven-year integrated experience, DO/PhD students complete the first two years primarily in preclinical medical school courses. Prior to applying, submission of the General GRE is optional. In the summer before entering RowanGSBS, the DO/PhD students may complete a seven-week lab rotation.

### YEARS 3-5 (PHD YEARS)

- Full-time research toward PhD degree; tuition waiver; competitive stipend; paid health insurance
- Year 3: Students complete graduate foundation and required course work, select an advisor, complete the advisory proposal meeting
- Year 4: Students complete course work and take the qualifying exam, including written and oral Thesis Proposal
- Year 5: Complete thesis work, write dissertation and publicly defend thesis

### YEARS 6 AND 7

- Completion of medical degree at RowanSOM (Tuition waived for remaining two years at RowanSOM upon successful completion of PhD thesis)

Note: Depending on research process, the PhD program may take longer than three years.

## 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

