

## Research Opportunities:

Mount Sinai scientists and physicians are involved in major discoveries in all fields of medicine, including neuroscience, genetics, cancer, stem cell, cardiovascular disease and environmental health –discoveries that will revolutionize patient care. This revolution in the biological sciences is opening new avenues for investigation and collaboration. Mount Sinai is ideally positioned to shape the future of medicine.

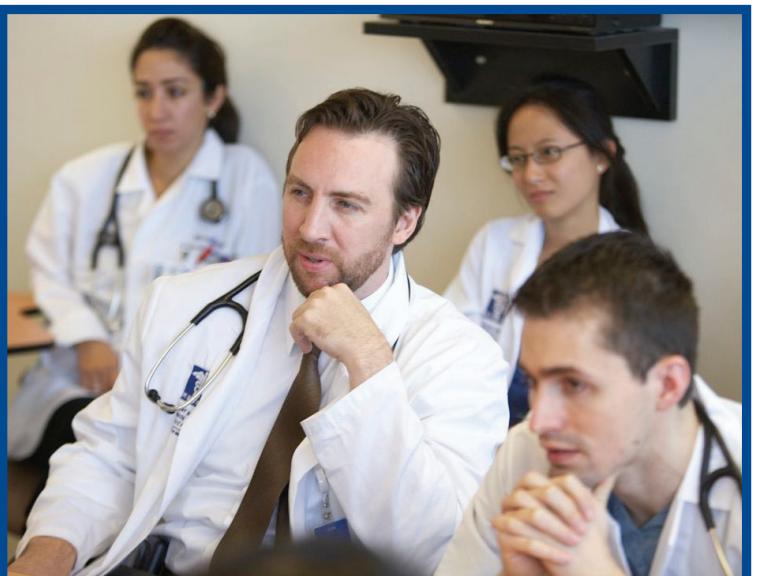
One of the greatest contributions a medical school can make is to train students to be more focused, more ethical, and more committed to both rigorous science and outstanding patient care. Students trained here are surrounded by researchers and physicians who have changed the landscape of science and medicine. For generations, our faculty, who are world-renowned for their technical expertise, scientific innovation, and visionary leadership, have worked side by side with students to prepare them to become leaders in their fields.

## Innovation – Then and Now:

The halls of Mount Sinai School of Medicine are lined with the portraits of pioneers. More diseases and clinical syndromes have been named after Mount Sinai physicians than those at any other medical center – examples include Crohn's and Tay-Sachs disease. Combination chemotherapy for cancer was pioneered here and the link between asbestos exposure and the development of cancer was identified by Sinai doctors. Numerous instruments, devices, tests, and methods, including the cardiac stress test and the radioimmunoassay method, were developed by Mount Sinai physicians and scientists.

Mount Sinai's history is rich with the stories of physicians and scientists who had the vision and the courage to push the boundaries of science and medicine. This drive to succeed and grow continues as Mount Sinai builds its new Center for Science and Medicine, a state-of-the-art facility that will serve as a focal point for our translational research efforts. With almost a half million square feet of space, the Center will increase our overall research capacity by a third and is the largest project of its kind in the nation. Students have the opportunity to work alongside internationally-acclaimed researchers who are unraveling the complexities of many disorders and diseases, placing us on the brink of breakthrough discoveries that will benefit society in countless ways.

Our clinicians and scientists helped establish Mount Sinai School of Medicine as a hub of innovation and discovery. These notable physicians and researchers also saw themselves as servants to the community. As accomplished as they were, they embodied Mount Sinai's core values—compassion, innovation, a desire to create and share knowledge, and an innate drive to better the world.



**"The key to a great education is a strong foundation in your undergraduate years. We want students to make the most of those years, challenge themselves, and come to medical school better prepared to make breakthrough discoveries. SciMed breaks down the barriers that often stand in the way of truly innovative thinking."**

**DAVID MULLER, MD**  
**Dean of Medical Education**

All inquiries should be directed to the Office of Admissions  
Annenberg Building, 5th Floor, Room 5-04

Mailing Address:  
One Gustave L. Levy Place, Box 1002  
New York NY 10029

[www.mssm.edu](http://www.mssm.edu)  
Phone: 212-241-6696  
Email: [admissions@mssm.edu](mailto:admissions@mssm.edu)



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## Mount Sinai School of Medicine, one of the youngest medical schools in the nation, is now ranked among the top 20 medical schools in the United States.

Graduates of Mount Sinai School of Medicine are known throughout the world for their scientific expertise, clinical skills, devotion to service and professional leadership. They are also renowned for their ethics, selflessness, and commitment to social justice. At Mount Sinai, lifelong values are taught through discourse, role modeling by our outstanding faculty, and through our honor code.

We place the highest value on educating physicians and scientists who will be agents of constructive, lasting change.

**"The doctor of the future needs to be information savvy and absolutely needs more quantitative, statistical, computational training."**  
**ERIC SCHADT, PH.D**

Mount Sinai School of Medicine's Science and Medicine Program (SciMed) is an admissions path to medical school that offers undergraduate students maximum flexibility to pursue a personalized yet rigorous science curriculum for selected undergraduate science majors. The program assures highly motivated undergraduates provisional admission to Mount Sinai School of Medicine upon successful completion of program requirements and graduation from their undergraduate institution. Students apply to the program in the second semester of their sophomore year in college.

Students admitted to the SciMed track will be required to take one year of Biology and one year of Chemistry. Students are not required to take Organic Chemistry, Physics, or Calculus as prerequisites for this program. They are not required to take the MCAT.

Applicants must meet the following requirements:

- Sophomores in good academic standing
- SAT scores greater than or equal to 700 in every section
- College GPA greater than or equal to 3.6
- Evidence of a longstanding commitment to scientific research
- Declared Undergraduate major in math, genetics, engineering or computer science

The following materials are required to complete an application:

- Written application with letters of recommendation
- High School and College transcripts
- Personal interviews at Mount Sinai School of Medicine

Once accepted, students must meet the following requirements:

- Obtain a degree in math, genetics, engineering or computer science
- Maintain an overall minimum GPA of 3.6

- Complete one year of Biology and one year of Chemistry
- Participate in structured, mentored research experiences as an undergraduate
- Produce a senior thesis, or equivalent scholarly work, detailing the results of the research project
- Participate in a one month clinical program at Mount Sinai School of Medicine during the summer after junior year

Our mission is to develop superbly trained, socially responsible physicians who will define the direction of translational science for the next generation. Mount Sinai School of Medicine believes that students with superior quantitative skills and expertise will be in the forefront of future research endeavors. Imagine distinguishing yourself as a leader with a career as a physician-scientist and performing translational research that brings discoveries from the bench to the patient's bedside.

### Key Dates:

February 15	Application Deadline
April/May	Interviews
May 15	Extend Offers of Admission
June 15	Deadline to Accept Offer of Admissions

SciMed students are eligible to apply to the following Mount Sinai School of Medicine dual degree programs:

- MD/Masters in Clinical Research track
- MD-PhD program (acceptance limited to 1-2 students annually from SciMed)
- MD/Master in Public Health
- MD/Masters in Bioethics