

## Our Mission

The Stony Brook University MSTP is dedicated to the training of physician-scientists who conduct research, teaching, and clinical care in medical schools and research institutions. As an NIH-funded program at one of the top research centers in the country, our graduates are equipped to study major medical problems at the basic level and to recognize the clinical significance of their discoveries.

## Our Research

Graduate school research can be completed on campus at Stony Brook University, as well as at the affiliated Cold Spring Harbor Laboratories and Brookhaven National Laboratory. Investigators at these institutions have interests in a variety of topics, including:

- Biomedical Engineering
- Biomedical Informatics
- Cancer Biology
- Developmental Biology and Genetics
- Imaging Technologies
- Immunology and Infectious Disease
- Molecular and Systems Neurology
- Pharmacology and Therapeutics
- Signal Transduction
- Structural Biology and Molecular Modeling

**Additionally, all MSTP students are permitted to attend free of charge, international conferences & meetings held regularly at Cold Spring Harbor Laboratories.**



## Contact Us

**Michael A. Frohman, MD, PhD**  
Program Director

**Danielle Mauro-Hernandez**  
Program Administrator

**(631) 444-3051**

**[danielle.mauro-hernandez@stonybrook.edu](mailto:danielle.mauro-hernandez@stonybrook.edu)**

Medical Scientist Training Program  
Basic Science Tower, Room 8-140  
Stony Brook University  
Stony Brook, NY 11794-8651



**[medicine.stonybrookmedicine.edu/mstp/program](http://medicine.stonybrookmedicine.edu/mstp/program)**



## Medical Scientist Training Program

## Our Medical Program

The Stony Brook School of Medicine LEARN curriculum is designed for students to integrate academic and clinical medicine. The Curriculum is divided into 3 Phases, PreClinical, Core Clerkships, and Elective Clerkships, with integrated ethics and clinical skills modules throughout the preclinical training.

With over 600 beds, Stony Brook Hospital is the only Level 1 Trauma Center in Suffolk County, and also houses a Cancer Center, Heart Institute, Children's Hospital, Level 4 Perinatal Center, Psychiatric Emergency Room, Burn Center, and Kidney Transplant Program. Students rotating at Stony Brook or at several satellite locations on Long Island are thus provided with comprehensive clinical experiences different from those of city centers.

## Our Graduate Programs

MSTP students pursue their PhD training in many different life science-connected graduate programs.

- Applied Math and Statistics
- Biochemistry and Structural Biology
- Bioinformatics
- Biomedical Engineering
- Chemistry
- Genetics
- Molecular and Cellular Biology
- Molecular and Cellular Pharmacology
- Molecular Genetics and Microbiology
- Neuroscience

The PhD training typically takes 4 years.

## Our Location

In addition to being home to over 100 miles of white sand beaches, Long Island offers numerous attractions to satisfy all tastes. Outdoor trails and scenic bike paths are plentiful, and nearby farms offer fresh produce and fun activities in the fall. The quaint towns lining the north shore offer a plethora of museums and unique shopping boutiques, while the south shore offers surfing and fishing as well as several large outlet stores. Long Island is also home to over five dozen wineries, breweries, and sports venues.

Additionally, Stony Brook sits only 60 miles from New York City, easily accessible by car, bus, or commuter rail. Nearby ferries to Connecticut additionally provide access to Boston and the New England coastline.

## Program Requirements & Duration

Students earn both an MD and a PhD. The program can be completed in as few as 6 years; average time-to-completion is 8 years.

## Financial Support

Students receive a full tuition scholarship and medical benefits throughout their training, as well as a stipend (\$34,000) adjusted regularly for the cost of living. During graduate school, students can optionally apply for external fellowships which, if successful, increase their stipend by 10% (\$37,400). The MSTP also supports travel costs to scientific and career development meetings and numerous enrichment opportunities.

## Where We Match

### Anesthesiology

- Johns Hopkins University
- Stanford University

### Dermatology

- University of Colorado
- University of Pittsburgh

### Internal Medicine

- John's Hopkins University
- Mayo Clinic
- Mt. Sinai Hospital/ Icahn School of Medicine
- Stanford University
- Stony Brook University
- University of Michigan
- University of Pittsburgh
- UT Southwestern
- Washington University/ Barnes-Jewish Hospital

### Neurology

- Harvard University/ Boston Children's Hospital
- NYU

### Pathology

- Albert Einstein/ Montefiore Hospital

### Pediatrics

- University of Pennsylvania/Children's Hospital of Philadelphia
- Boston Children's Hospital

### Psychiatry

- Mt. Sinai/Icahn
- Stanford University
- Boston Children's Hospital

### Radiation Oncology

- Memorial Sloan Kettering

### Radiology

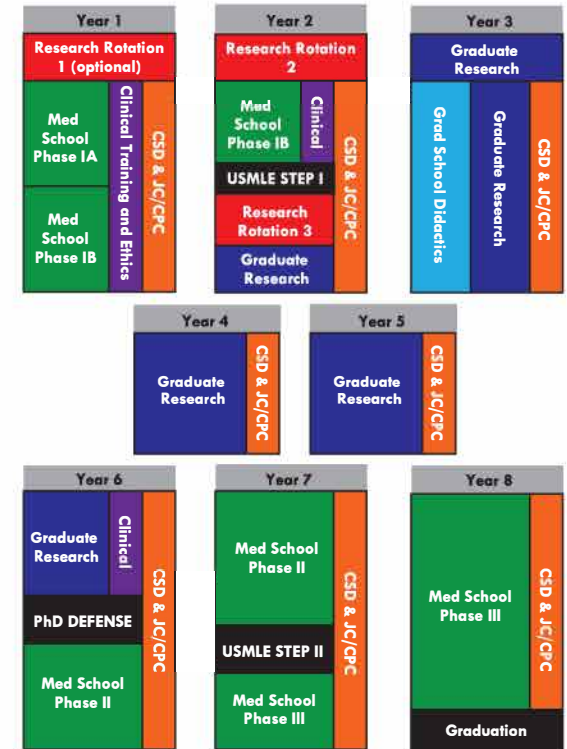
- Stanford University

### Urology

- Cleveland Clinic
- Duke University

## Education Overview

Below is a general guideline of the Stony Brook MSTP curriculum. However, the program is flexible and can accommodate the specific needs of each student.



## MSTP-Specific Training

In addition to the MD and PhD curriculums, the MSTP also provides programs specifically for aspiring physician-scientists, including monthly Clinical Scientist Dinners (CSD) where students receive career advice from invited physician-scientists; monthly student-run Journal Club/Clinical Pathological Conferences (JC/CPC) in which new research is examined in the context of current clinical challenges; an NIH NRSA boot-camp to teach grant writing; a fall research retreat, and a spring student-organized Research Day with an invited keynote speaker.

## Alan Alda Center for Communicating Science

The only center of its kind, the Alan Alda Center at Stony Brook University empowers students to communicate research and health concepts in clear, vivid, and engaging ways; leading to improved understanding by the public, media, patients, elected officials, and others outside of their own discipline. Specific courses during PhD study are arranged.