

NIH T32 Research Training Program in Cardiovascular Surgery

Three Training Tracks

Data Science Track

- Population studies in cardiothoracic diseases
- Machine Learning / AI

Basic and Translational Research Track

- Cardiothoracic biology and pathobiology of disease onset and progression
- Novel treatment and surgical approaches
- Single cell omics

Bioengineering and Biodesign Track

- Innovation studio

Certificate and Degree Opportunities

- Clinical Scientist Training Program — certificates, MS, or PhD
- UTHealth School of Public Health — MS, MPH or PhD
- TMC Innovation Institute Biodesign Fellowship---certificate

To Learn More

Contact us:

Program Administrator, Georgia Rochester, MBA (georgia.rochester@bcm.edu)

Program Director, Todd Rosengart, MD (georgia.rochester@bcm.edu)

Co-Program Director, Ravi Ghanta, MD (ravi.ghanta@bcm.edu)

Co-Program Director, Ying Shen, MD, PhD (hyshen@bcm.edu)

Visit:

<https://www.bcm.edu/departments/surgery/education/training-programs/t32-research-training-program>

Excellent Training and Environment

- 8 years into the program with 14 graduates including surgeon-scientists and basic scientists
- NIH funded cutting-edge research projects
- MD and/or PhD mentors
- Large medical center with outstanding training environment

Benefits

- Up to 2 years stipend salary support, health benefits, and childcare stipend
- Tuition benefits for degree programs
- Conference travel support

Eligibility and Application

- MD or PhD
- U.S. citizens or permanent residents
- Letter of Interest deadline: November 15, 2025
- Full Application deadline: December 15, 2025
- Selection date: January 15, 2026
- Start date: July 1, 2026

