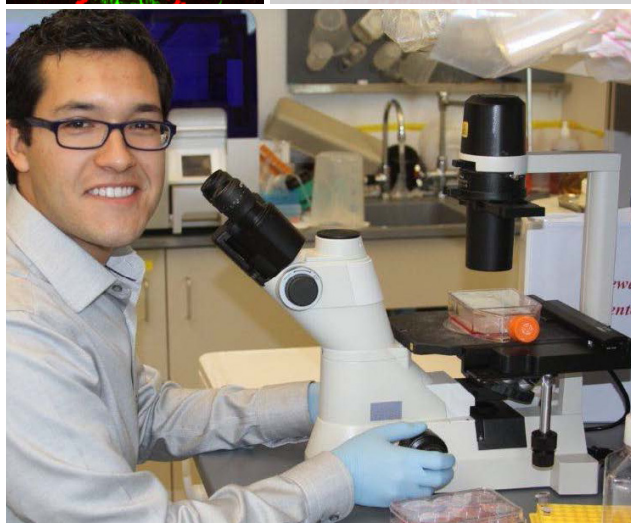
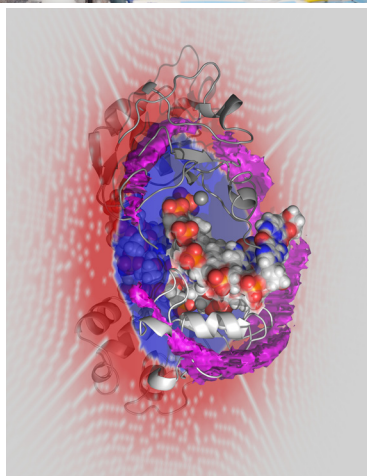
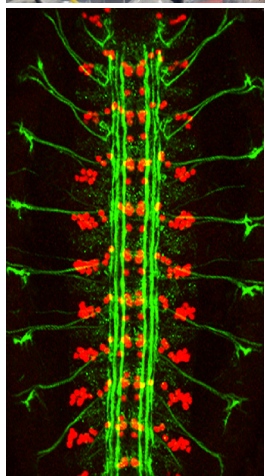


Research Programs



PhD and Master Degrees

Graduate School of
Biomedical Sciences



The University of Texas Medical Branch is a leading academic health science center offering a wide array of biomedical science training programs. Our graduate training programs address the full spectrum of basic to translational and clinical research. **Join us to advance the understanding of human disease and its treatment by emerging as a leader in academia, biotech, industry, government service and other related careers.** We offer a variety of innovative training opportunities in:

- **Biochemistry and Molecular Biology** – Molecular Mechanisms of Disease, Structural Biology, Biophysics, Molecular Virology, Computational Biology, DNA Repair, RNA biology, Cancer Biology, Molecular Genetics, Drug Development, Proteomics and Genomics
- **Cell Biology** – Cellular and Molecular Mechanisms Mediating Physiological/Pathological Functions of the Body, including Eyes, Gastrointestinal and Reproductive Tracts, Placenta, Brain and Lung
- **Clinical Science** – Clinical Investigation, Health Services Research, Health Informatics
- **Experimental Pathology** – Emerging Diseases/Biodefense/Vaccines, Cellular Microbiology, Arbovirology, Vectors, Host Response
- **Human Pathophysiology and Translational Medicine** – Multi-disciplinary Translational Research
- **Master of Public Health** – Disease Causation and Prevention, Epidemiology, Biostatistics
- **Medical Humanities** – Interdisciplinary Studies at the Intersections of Biomedicine, Ethics, Humanities, and Social Sciences
- **Microbiology and Immunology** – Molecular, Cellular, Organismal, Molecular Basis of Pathogenesis, Translational Research in Infection, Immunity at all Containment Levels, Microbial Genetics, Antimicrobial Resistance and Microbiome Research
- **Neuroscience** – Addiction, Brain Injury, Neuroplasticity, Neurodegeneration and Neural Stem Cells, Pain
- **Nursing** – Vulnerable Populations, Biobehavioral Research, Teaching Methods and Practice
- **Pharmacology and Toxicology** – Cancer Biochemistry, Addiction, Drug Discovery, Toxicology, Environmental Sciences, Mental Health Research, and Neuropharmacology
- **Population Health Sciences** – Health Outcomes, Health Disparities, Social Epidemiology
- **Rehabilitation Sciences** – Assessment, Development, Restoration, Maintenance of Independent Living

We also offer combined MD/PhD and dual MPH/PhD degrees

Please refer to the **General Information Catalog section for Graduate Requirements for Admission** available at <https://www.utmb.edu/enrollmentservices/catalog.asp>



MISSION

UTMB Health Mission Statement: UTMB's mission is to improve health for the people of Texas and around the world by offering innovative education and training, pursuing cutting edge research and providing the highest quality patient care.

Graduate School of Biomedical Sciences Mission Statement: The mission promotes the advancement of human understanding and knowledge in health-related disciplines through scholarly teaching and research in the biomedical sciences. Foremost, the Graduate School embraces excellence in all of its academic pursuits and activities. Academic curricula and programs are available that emphasize developing individual leadership, communication, motivation, and scholarship to meet the challenges of today's society.

PROGRAM FACTS

Doctoral Degrees

- Multiple programs covering the spectrum from humanities to infectious disease
- Curricula unique to each program, but generally requiring:
 - 3-5 semesters of coursework
 - Qualifying exams in the second year to advance to candidacy
- Introduction to ethics of science principles
- Research rotations in which the students pursue research projects under the supervision of faculty of their own choosing
- Flexibility in coursework - students encouraged to diversify their programs by taking elective courses across the GSBS (such as physiology, biophysics, pharmacology, anatomy, pathology, biostatistics, epidemiology, art and medicine)
- A dissertation describing the results of the student's original research - will be conducted under the direct supervision of a faculty mentor and monitored by a supervisory committee consisting of at least three faculty from the student's program, one from another graduate program at UTMB, and one from another institution
- Completion of the PhD degree usually requires four to five years—well under the national average
- Emphasis on applied learning and internships
- Placement of students in the past five years includes industry, government, academic health science centers, think tanks, and colleges of liberal arts and sciences

Master of Science, Master of Arts, and Masters of Public Health Degrees

- Variable hour requirements (32-42) depending on program and degree
- Master's degree candidates typically participate in the core curriculum described for PhD candidates, but their research rotation requirement is reduced
- The Master's student carries out a research project that results either in a master's thesis or in a paper published in a refereed journal as a first author
- The Master of Public Health degree requires 160 to 240 hour practice experience in the community
- Customarily, the degree is completed in one to two years

Tuition and Fees

<https://www.utmb.edu/enrollmentservices/future-students/tuition-and-fees>

Scholarships Available

<https://www.utmb.edu/enrollmentservices/resources/scholarships>

ADA information

Contact: Lela Lockett-Ware, OTR Student ADA Coordinator
lvlocket@utmb.edu (409)747-4818

Accreditation: UTMB Health at Galveston is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the baccalaureate, masters, doctoral, and professional degrees

ADMISSION REQUIREMENTS

- To be considered for admission to the Graduate School of Biomedical Sciences Doctoral and Masters programs, applicants must provide proof of a bachelor's degree, graduate degree, or first professional degree (e.g., MD, DDS, JD) from a regionally accredited college or university in the United States, or proof of equivalent degree and training from an acceptable foreign institution of higher education
- Each graduate program has specific requirements, but common factors considered by the admissions committee include, but are not limited to, the following:
 - Undergraduate overall and upper division GPA (above 3.0 preferred)
 - A minimum score on the TOEFL of 550 (paper), 213 (computer-based), or 80 (internet-based) for applicants whose native language is not English
 - Research or other relevant experience
 - Letters of reference
 - Background for and commitment to a career of scholarly endeavor in the field of study
- Final recommendations by the graduate program faculty are based on competitive evaluation of the qualifications of the applicant plus consideration of the availability of space and resources

For more information or to apply, please visit: <https://gsbs.utmb.edu>

Graduate School of Biomedical Sciences

(409) 772-2665 | gsbsrecr@utmb.edu

301 University Blvd., Galveston, TX 77555-1050



Graduate School of
Biomedical Sciences

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON

Nondiscrimination, Equal Employment Opportunity and Affirmative Action

The University of Texas Medical Branch, in compliance with applicable federal laws and regulations, strives to maintain an environment free from discrimination against individuals on the basis of race, color, national origin sex (including pregnancy), age, religion, disability, sexual orientation, gender identity and expression, genetic information, or veteran status. This includes, but is not limited to, academic program admissions, employment, financial aid, health care services, educational services, and access to UTMB programs, facilities, or services. This applies to all employees and students, and anyone who utilizes UTMB facilities.



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