Houston Methodist is re-engineering the future of medicine with translational research and education that has demonstrable impact on clinical care. The Academic Institute’s $26.7 million Translational Research Initiative product development fund supports the specialized talent and technology that enables the full cycle of development to efficiently and effectively deliver innovations to the clinic. Integrated into U.S. News & World Report’s No. 1 hospital in Texas and named one of America’s “Best Hospitals,” the Academic Institute aligns our research and education initiatives in service to the clinical mission, providing solutions that answer the call for new technologies and skills our clinicians need for patient care.

**HOUSTON METHODIST**

<table>
<thead>
<tr>
<th>8 Hospitals</th>
<th>1.38M Patient Encounters</th>
<th>1.6M Outpatient Visits</th>
</tr>
</thead>
<tbody>
<tr>
<td>132,874 Admissions</td>
<td>27,947 Employees</td>
<td>4,737 Physicians</td>
</tr>
<tr>
<td>4,737 Employees</td>
<td>742 Faculty</td>
<td></td>
</tr>
<tr>
<td>$219.2M Research &amp; Education Investment</td>
<td>2,110 Credentialed Researchers</td>
<td>41,809 Learners</td>
</tr>
</tbody>
</table>

**RESEARCH FUNDING**

- $167.2 million in annual research expenditures
- $52 million in annual education expenditures
- $70.3 million in total extramural funding
- $23.7 million in National Institutes of Health funding
- $26.7 million Translational Research Initiative product development fund

**ACADEMIC AFFILIATIONS & PEOPLE**

- 742 faculty
- 2,110 credentialed researchers
- Affiliated with Weill Cornell Medical School
RESEARCH

• 1,387 clinical protocols
• 523 total clinical trials
• 1,722 peer-reviewed publications
• 20 interdisciplinary departments: Anesthesiology & Critical Care, Cardiology, Cardiovascular Sciences, Cardiovascular Surgery, Family Medicine, Medicine, Nanomedicine, Stanley H. Appel Department of Neurology, Neurosurgery, Nursing, Obstetrics and Gynecology, Ophthalmology, Oral & Maxillofacial Surgery, Orthopedic Surgery, Pathology & Genomic Medicine, Pharmacy, Radiation Oncology, Radiology, Surgery and Urology
• 23 Research Centers & Programs: Ann Kimball and John W. Johnson Center for Cellular Therapeutics; Blanton Eye Institute; Bioenergetics; Cardiovascular Regeneration; Critical Care; Health & Nature; Houston Methodist Institute for Robotics, Imaging and Navigation; Houston Methodist Institute for Technology, Innovation & Education (MITIE™); Immunobiology & Transplant Science; Immunology; Immunotherapy Research; Infectious Diseases Research; Kenneth R. Peak Brain & Pituitary Treatment Center; Musculoskeletal Regeneration; Nantz National Alzheimer Center; Neuroregeneration; Neurosciences Research; Nursing Research, Education and Practice; Outcomes Research; Rapid Device Translation; RNA Therapeutics; Sherrie and Alan Conover Center for Liver Disease & Transplantation; Translational Neural Prosthetics and Interfaces
• 50 collaborating U.S. states
• 136 collaborating countries
• 6,691 collaborations around the world

EDUCATION

• EnMed: Texas A&M University Intercollegiate School of Engineering Medicine at Houston Methodist combined MD and master’s in engineering program
• Weill Cornell Graduate School of Medical Sciences PhD program at Houston Methodist
• Joint MD and MD/PhD programs with Texas A&M University
• Master in Clinical Translational Management with University of St. Thomas
• 60 GME programs; 352 residents & fellows
• 41,809 annual learners
• 1,036 trainees in residence for medicine, research, nursing, pharmacy and allied health
• Houston Methodist Institute for Technology, Innovation & Education (MITIE™)

TECHNOLOGY

• Imaging innovation hub: A Siemens and Houston Methodist-led consortium with Rice University, Texas A&M, UT Health Science Center at Houston, UT Medical Branch at Galveston, University of Houston, and Baylor College of Medicine
• 7 Tesla MRI and MAGNETOM Terra, allowing for unprecedented visualization of anatomical details, physiology and biological function
• Cyclotron and 9 ventilated hot cells (chemistry labs in lead boxes) to produce clinical grade and rare custom radiopharmaceuticals for advanced diagnostic and therapeutic imaging
• Inveon dedicated PET system, Inveon multimodality SPECT/CT system, Caliper IVIS-200 system, and Maestro in vivo fluorescence imaging system
• Good Laboratory Practice (GLP) facilities perform risk, safety and efficacy assessment studies in compliance with FDA guidelines in preclinical models
• Current Good Manufacturing Practices (cGMP) facilities to produce pharmaceuticals, vaccines and nanoparticles for testing and research
• Cockrell Center for Advanced Therapeutics Clinical Research Phase I Unit to support clinical investigators and sponsors with early phase and proof-of-concept clinical trials
• 20 core facilities for access to pioneering technology and data analysis, including: advanced cellular and tissue microscopy; biorepository; biostatistics and bioinformatics; clinical research services; comparative medicine; digital solutions; electron microscopy; event services; flow cytometry; high performance computing; immunomonitoring; intravital microscopy; machine shop; magnetic stimulation devices; nanotechnology; preclinical catheterization lab; research pathology; RNAcore; translational imaging; translational production & quality

CONSORTIA & COLLABORATIVE CENTERS

• Center for Cell and Gene Therapy, in partnership with Baylor College of Medicine and Texas Children’s Hospital
• Center for Health and Nature, in partnership with Texas A&M University and Texan by Nature
• Center for Outcomes Research, in partnership with Texas A&M University School of Public Health and Weill Cornell Medical College
• Center for Rapid Device Translation, in partnership with J&J Innovation Labs
• Greater Houston Healthconnect, in partnership with 10 regional health systems
• Siemens Imaging Consortium, based at Houston Methodist with six local universities and medical centers
• Translational Neural Prosthetics and Interfaces, in partnership with Rice University