Houston Methodist is reengineering the future of medicine with translational research and education that has demonstrable impact on clinical care. The Academic Institute’s $30 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>Hospitals</th>
<th>Patient Encounters</th>
<th>Outpatient Visits</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>1.5M</td>
<td>1.3M</td>
</tr>
<tr>
<td>126,038</td>
<td>25,543</td>
<td>7,744</td>
</tr>
<tr>
<td>Admissions</td>
<td>Employees</td>
<td>Physicians</td>
</tr>
<tr>
<td>1,978</td>
<td>706</td>
<td>7,744</td>
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<tr>
<td>Credentialed Researchers</td>
<td>Physicians</td>
<td>Learners</td>
</tr>
<tr>
<td>$190M</td>
<td>$30 million Translational Research Initiative product development fund</td>
<td></td>
</tr>
</tbody>
</table>

RESEARCH FUNDING

- $153 million in annual research expenditures
- $37 million in annual education expenditures
- $63.3 million in total extramural funding
- $22.9 million in National Institutes of Health funding
- $30 million Translational Research Initiative product development fund
- Top 25 U.S. domestic hospital-based research institutes for National Institutes of Health funding

ACADEMIC AFFILIATIONS & PEOPLE

- 706 faculty
- 1,978 credentialed researchers
- Affiliated with Weill Cornell Medical School
RESEARCH

- 1,354 clinical protocols
- 606 active clinical trials
- 1,268 peer-reviewed publications
- 19 interdisciplinary departments: Anesthesiology & Critical Care, Cardiology, Cardiovascular Sciences, Cardiovascular Surgery, Medicine, Nanomedicine, Stanley H. Appel Department of Neurology, Neurosurgery, Nursing, Obstetrics & Gynecology, Ophthalmology, Oral & Maxillofacial Surgery, Orthopedic Surgery, Pathology & Genomic Medicine, Pharmacy, Radiation Oncology, Radiology, Surgery and Urology
- 19 research programs: Blanton Eye Institute, Bioenergetics, Bioinformatics and Computational Biology, Cardiovascular Regeneration, Computational Surgery, Health & Nature, Houston Methodist Institute for Technology, Innovation & Education (MITIE™), Immunobiology & Transplant Science, Immunotherapy, Mathematics in Medicine, Molecular & Translational Human Infectious Diseases, Musculoskeletal Regeneration, Nantz National Alzheimer Center, Neuroregeneration, Neurosciences, Outcomes Research, Rapid Device Translation, Regenerative Medicine, and Sherrie and Alan Conover Center for Liver Disease & Transplantation

- 46 collaborating U.S. states
- 74 collaborating countries
- 5,218 collaborations around the world

TECHNOLOGY

- Imaging innovation hub: A Siemens and Houston Methodist led consortium with Rice University, Texas A&M, UTHealth, 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 1 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, biomedical informatics support, biomicrofluidics, biorepository, clinical research services, comparative medicine, digital solutions, electron microscopy, event services, flow cytometry, genomic instability assessment, immunomonitoring, intravital microscopy, machine shop, nanoengineering, preclinical catheterization lab, research pathology, RNAcore, translational imaging, and 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
- 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 five local universities and medical centers

EDUCATION

- EnMed: Texas A&M University Engineering Medical School at Houston Methodist Hospital MD degree and a masters in engineering, creating a new generation of physicianneers
- Joint MD and MD/PhD programs with Texas A&M University and Master in Clinical Translational Management with University of St. Thomas
- 54 GME programs; 336 residents & fellows
- 32,739 annual trainees
- 1,516 trainees in residence for medicine, research, nursing and pharmacy
- Houston Methodist Institute for Technology, Innovation & Education (MITIE™)