

# 2018 FACTS & STATISTICS

Houston Methodist is reengineering the future of medicine with translational research and education that has demonstrable impact on clinical care. The Institute's \$16 million Translational Research Initiative funding 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 Institute cultivates a global collaboration network of interdisciplinary faculty to advance laboratory discoveries into treatments for patients.

## HOUSTON METHODIST

8 Hospitals	915,817 Patient Encounters	810,880 Outpatient Visits	
107,228 Admissions	22,381 Employees	4,387 Physicians	637 Faculty
\$161M Research & Education Funding	1,900 Credentialed Researchers	29,171 Trainees	

## RESEARCH FUNDING

- \$131 million in annual research expenditures
- \$30 million in annual education expenditures
- \$51.2 million in total extramural funding
- \$19.2 million in National Institutes of Health funding
- \$16 million Translational Research Initiative funding
- Top 25 U.S. domestic hospital-based research institutes for National Institutes of Health funding

## ACADEMIC AFFILIATIONS & PEOPLE

- 637 faculty
- 1,900 credentialed researchers
- Affiliated with Weill Cornell Medical School

## RESEARCH

- 1,182 clinical studies
- 414 active clinical trials
- 1,092 peer-reviewed publications
- 50 collaborating U.S. states
- 59 collaborating countries
- 3,867 collaborations around the world
- 21 interdisciplinary departments: Anesthesiology & Critical Care, Cardiology, Cardiovascular Sciences, Cardiovascular Surgery, Family Medicine, 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, Systems Medicine & Bioengineering, and Urology
- 22 research programs: Biomarker Research, Blanton Eye Institute, Bioenergetics, Cancer, Cardiovascular Regeneration, Computational Surgery, Immunotherapy, Inflammation & Epigenetics, Molecular & Translational Human Infectious Diseases Research, Musculoskeletal Regeneration, Neuroregeneration, Outcomes Research, Precision Surgery, Regenerative & Restorative Neurosurgery, Urological Regeneration, Houston Methodist Institute for Technology, Innovation & Education (MITIE<sup>SM</sup>), Immunobiology & Transplant Science, Kenneth R. Peak Brain & Pituitary Treatment Center, Nantz National Alzheimer Center, Neurosciences Research, Regenerative Medicine, and Sherrie and Alan Conover Center for Liver Disease & Transplantation

## EDUCATION

- EnMed: Texas A&M University Engineering Medical School at Houston Methodist Hospital with dual MD degree and a masters in engineering, creating a new generation of physicianengineers
- Joint MD and MD/PhD programs with Texas A&M University and Master in Clinical Translational Management with University of St. Thomas
- International affiliates: Chinese Academy of Sciences Graduate School, Swansea University, Monterrey Institute of Technology and Higher Education, Tel Aviv University
- 50 GME programs; 289 residents & fellows
- 29,171 annual trainees
- 1,614 trainees in residence for medicine, research, nursing and pharmacy
- Houston Methodist Institute for Technology, Innovation & Education (MITIE<sup>SM</sup>)

## 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
- Phase I Clinical Research 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, biostatistics, clinical research services, comparative medicine, electron microscopy, flow cytometry, genomic instability assessment, intravital microscopy, machine shop, molecular diagnostics, nanoengineering, preclinical catheterization lab, research pathology, RNAcore, and biorepository.

## CONSORTIA & COLLABORATIVE CENTERS

- National Center for Immunotherapeutic Transport Oncophysics, NCI funded with institutions across the U.S.
- Siemens Consortium, based at Houston Methodist with five local universities and medical centers
- Center for Cell and Gene Therapy, in partnership with Baylor College of Medicine and Texas Children's Hospital
- Center for Outcomes Research, in partnership with Texas A&M University
- Center for Health and Nature, in partnership with Texas A&M University and Texan by Nature
- Center for Rapid Device Translation, in partnership with J&J Innovation Labs