

Baylor
College of
Medicine



2022 ANNUAL REPORT



THE BAYLOR COLLEGE OF MEDICINE STRATEGIC PLAN

DISCOVER → APPLYING BIOMEDICAL DISCOVERIES TO DRIVE NOVEL THERAPEUTIC APPROACHES

INNOVATE → DEVELOPING A LEARNING HEALTH SYSTEM MODEL THROUGH DATA ANALYTICS, COLLABORATION AND INTEGRATION

REACH → INTEGRATING CARE NETWORKS AND INNOVATIVE PROGRAMS TO SUPPORT AND IMPROVE THE HEALTH OF INDIVIDUALS AND POPULATIONS

EDUCATE → PREPARING SCIENTISTS AND HEALTHCARE PROFESSIONALS TO LEAD LEARNING HEALTH SYSTEMS

CREATE → DEVELOPING A CULTURE AND CLIMATE OF EXCELLENCE AND INCLUSION TO RECRUIT, RETAIN AND DEVELOP OUTSTANDING FACULTY, STAFF AND LEARNERS

TREAT → CARING FOR INDIVIDUALS UTILIZING AN INNOVATIVE PATIENT-CENTERED CARE MODEL USING A DATA DRIVEN APPROACH TO PREDICTION, DIAGNOSIS, PREVENTION AND CURE OF DISEASE

Dear Baylor College of Medicine Friends and Colleagues,

In gathering together the highlights for this year's Annual Report, much of the College's activity continued to be influenced by COVID, from research efforts to opening a long-COVID clinic. But, there is plenty more to report across mission areas.

We call this report DIRECT, as it follows the objectives of the Strategic Plan. Simply put, those are Discover, Innovate, Reach, Educate, Create and Treat. Overall, the past year has shown great progress in each of these areas.



Among the highlights are:

- Our NIH funding is No. 1 in the state, No. 20 in the country and is far more than any other institution in the Texas Medical Center.
- The overall financial health of the College is strong, with a consistent growth in revenue, a significant growth in endowment and net assets and a bond credit rating of A with a positive outlook. Fundraising is also increasing.
- It was another significant year in research discovery as we invested in cutting-edge technology.
- High on the list of research innovations was COVID-19 vaccine technology developed by the Texas Children's Hospital Center for Vaccine Development and Baylor College of Medicine being successfully transferred to India, Indonesia and Botswana.
- Baylor hosted its first TEDx event, which covered a variety of topics ranging from leadership and philanthropy to public health, mental health, genetics, surgery and space exploration.
- The first regional campus of the School of Medicine, located in Temple, Texas, is now accepting applications for summer 2023.
- Meanwhile, our pipeline programs continue to excel. Rusk and Ryan middle schools, two of our partner schools with Houston Independent School District, were recognized by the Children at Risk organization as pandemic-resilient schools.
- The institution recruited outstanding leaders during the past year, and our faculty members received some of the highest awards in their fields.
- Baylor's Post-COVID Care Clinic received a \$1.1 million check from the Congressional Community Project funding program.
- Our rankings by *U.S. News & World Report* continue to place Baylor among the best in the nation.

In summary, it was a very successful year as we pursued our strategic plan and kept our values of Respect, Integrity, Innovation, Teamwork and Excellence at the core of everything we do.

The Annual Report provides details on all of the above, plus much more. I hope you will take the time to look through it.

A handwritten signature in black ink, appearing to read "Paul Klotman".

Paul Klotman, M.D.

More than 250 researchers recognized in top 2% worldwide

In a 2021 report published in *PLoS Biology*, more than 250 researchers at Baylor were named in the top 2% of scientists most frequently cited worldwide.



Dr. Joseph Jankovic

Dr. Jankovic, Professor, Distinguished Chair in Movement Disorders and Director of the Parkinson's Disease Center and Movement Disorders Clinic, is the most cited researcher at Baylor. Dr. Jankovic ranked No. 150 overall.



Dr. David Y. Graham

A Professor of Medicine - Gastroenterology, Dr. Graham ranked third among Baylor College of Medicine faculty, and placed in the Top 300 overall.



Dr. Hashem El-Serag

Dr. El-Serag, Professor and Chair of the Margaret M. and Albert B. Alkek Department of Medicine, ranked second among Baylor faculty, and placed in the Top 300 overall.



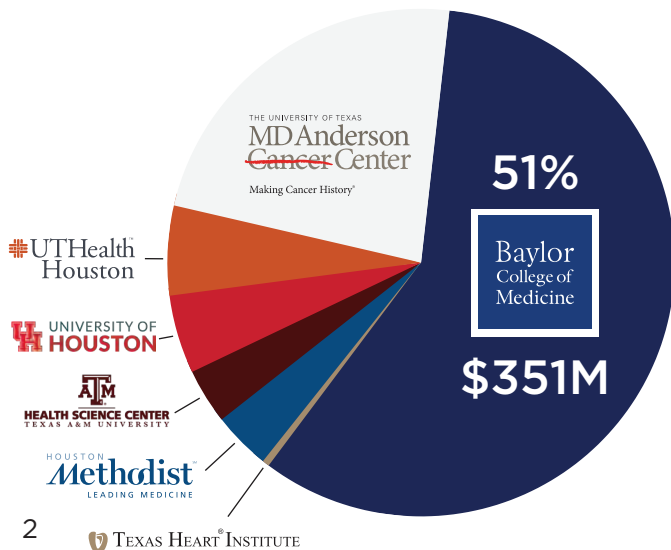
Dr. Paul Klotman

Baylor President, CEO and Executive Dean, Dr. Klotman, was another who made the list.

NIH Funding: No. 1 in TEXAS, 20th in U.S.

NIH FUNDING

in Texas Medical Center

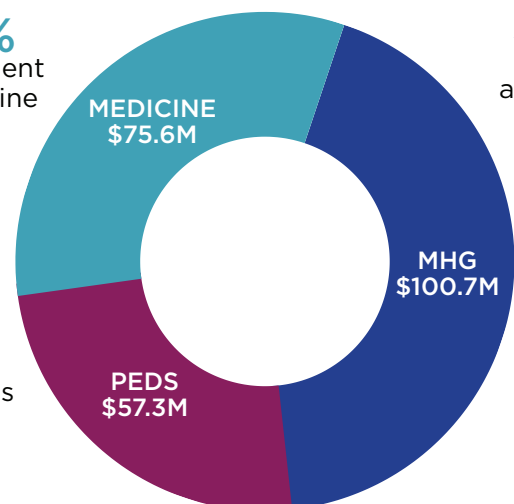


NIH FUNDING BY DEPARTMENT

12.6%

Department of Medicine Faculty

7.7%
Pediatrics Faculty

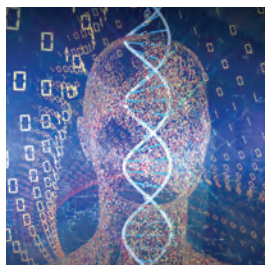


37.2%

Molecular and Human Genetics Faculty

Investing in cutting-edge research technology

Machine learning meets biology to assess risk of schizophrenia in a blood sample



Using DNA from blood samples, researchers identified epigenetic markers that differ between people diagnosed with schizophrenia and people without the disease and developed a computational

model that would assess an individual's probability of having the condition.

Platelet-rich plasma treatment shows efficacy in patients with osteoarthritis



Researchers incorporated wearable technology to objectively assess functional outcomes and patient-reported outcomes to comprehensively evaluate the efficacy of platelet-rich plasma in knee osteoarthritis. The promising

findings of this pilot study provide the basis to conduct larger randomized clinical trials of platelet-rich plasma for knee osteoarthritis.

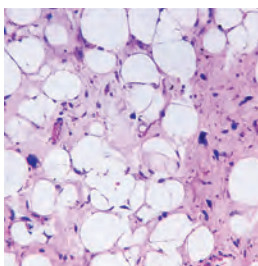
Brain stimulation device enables new understanding of OCD



A team of researchers surgically implanted brain stimulators in five patients with severe obsessive-compulsive disorder (OCD) to not only treat their disabling symptoms, but also, for the first time, to

simultaneously record and wirelessly stream brain signals.

A potentially more effective treatment for HER2 mutant metastatic breast cancer



Researchers discovered a specific HER2 mutation that confers breast cancer resistance to the drug neratinib and identified a different drug, poziotinib, that completely inhibited both this tumor's growth

and metastasis in experimental models.

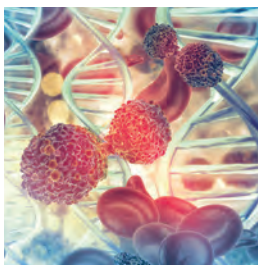
GlyNAC supplementation extends lifespan in mice



Researchers discovered that GlyNAC can correct mitochondrial defects in aging and this extended the lifespan of naturally aging mice by 24%. In older adults, GlyNAC improved multiple aging

hallmarks, including aspects of mitochondrial dysfunction, inflammation, insulin resistance and cellular senescence.

Genomic alterations in advanced cancers reveal interactions with therapy



This study investigated how a tumor's response to treatment may help the cancer survive by looking into which gene alterations in cancer could be associated with therapy.

Baylor College of Medicine's first-ever TEDx event



The Center for Medical Ethics and Health Policy hosted the College's first-ever TEDx event. TEDxBaylorCollegeofMedicine was dedicated to bringing together leading thinkers and doers to share ideas across many disciplines with the aim of building a meaningful connection between the work at Baylor and the people it serves in the community by sharing inspiring stories of how the College is improving health through science, scholarship and innovation.



Department of Defense grant supports preclinical tests of osteoarthritis gene therapy

Baylor researchers have been awarded a Technology/Therapeutic Development Award for more than \$5 million over four years from the U.S. Department of Defense Congressionally Directed Medical Research Programs to support late-stage preclinical testing of a viral gene therapy treatment for osteoarthritis. The award is focused on catalyzing innovative therapies into commercial development. Previous work at Baylor led to the development of the first gene therapy using a helper-dependent adenovirus vector and successful in vivo testing in mouse and horse models of osteoarthritis.

Datathon 2022: The scope of this year's event included data related to patient care at Baylor St. Luke's Medical Center and Baylor Medicine, as well as education data.

Datathon explores large data sets and trains faculty to use them

19 PROPOSALS
SUBMITTED
IN FOUR
FOCUS AREAS

- Quality Improvement
- Population Health
- Research Projects
- Education Projects



Annual Health Policy Day addresses environmental justice

The Center for Medical Ethics and Health Policy hosted the annual Health Policy Day in partnership with the Gulf Coast Center for Precision Environmental Health. Faculty members and community leaders addressed:



- How criminal justice relates to environmental science



- Health effects of exposure to environmental contaminants



- Ethics and justice of space exploration



- Environmental impact on maternal and infant health

Position paper on mental health

In March 2022, the College released a new position paper that addresses mental health. The paper identified seven strategies to better understand mental health needs and improve mental healthcare. The statement pledges to:



Improve access to mental health services



Improve access to evidence-based treatments



Address the shortage of mental health providers and increase diversity in the workforce



Integrate behavioral and mental health screening into routine primary care



Remove stigma and discrimination associated with mental health



Normalize and encourage seeking care for mental health issues



Prioritize mental health research

NIH award supports diverse researchers in *All of Us* program

The College received more than \$1 million from the NIH to engage researchers from diverse backgrounds to use the *All of Us* research program's data resources to advance precision medicine. The overall program is a historic effort to collect data from 1 million or more people living in the U.S. to support a wide range of scientific discoveries. The Baylor program aims to ensure researchers using *All of Us* data in their studies reflect the diversity of the program, which seeks to include participants from different races, ethnicities, age groups and regions of the country.



Increase diversity in space research

TRISH announced an innovative funding opportunity to increase engagement from underrepresented groups in the field of space health research. The institute funded \$300,000 partnerships with teams at Texas State University and the University of Florida, both of which were selected for their innovative means for facilitating underrepresented researcher engagement.

COVID-19 Vaccine Development

The protein subunit COVID-19 vaccine technology developed by Texas Children's Hospital Center for Vaccine Development and Baylor College of Medicine has now been successfully transferred to India (Corbevax), Indonesia (BUMN), Bangladesh and Botswana (PULA Corbevax), with more countries still considering the feasibility of its local production.

| INDIA | BOTSWANA | INDONESIA | WORLD HEALTH ORGANIZATION | SCHOLARSHIP |
|--|--|--|---|--|
| DECEMBER 2021 Corbevax receives emergency use authorization for ages: <ul style="list-style-type: none"> • 18 yrs. old and above • 12-17 yrs. old • 5-12 yrs. old | MARCH 2022 Botswana approved the Corbevax vaccine, rebranded as PULA Corbevax. 100 million doses scheduled for distribution to Botswana and neighboring countries. | JUNE 2022 The commencement of Phase 3 clinical trials in Indonesia. Optimization of the BUMN vaccine production process is ongoing with support from the team at Baylor. | JUNE 2022 The World Health Organization announced the rolling data submission for Corbevax, a critical step in its prequalification and emergency use listing process. With WHO prequalification, access to the vaccine in other countries of the Global South and elsewhere will be greatly facilitated. | JULY 2021 - JUNE 2022 Researchers continue to publish extensive preclinical data on the functionality of the COVID-19 vaccine. Pan-variant vaccines, as well as more broadly effective pan-sarbecovirus vaccines, are being tested to address the continuous evolution of the virus. |
| JUNE 2022 Cleared for use as heterologous booster in individuals previously vaccinated with Covishield and Covaxin. | | | | |
| JULY 2022 More than 60 million doses given with excellent safety and efficacy performance. | | | | |

Renewal of longstanding partnership with University of Botswana

Baylor and the University of Botswana renewed their longstanding partnership during a visit from the president of the Republic of Botswana to Houston. Baylor helped establish the first medical school in Botswana in 2006, and Botswana was identified as the location for the first clinic for the Baylor International Pediatric AIDS Initiative at Texas Children's Hospital in 2000.



Botswana graduates first Ph.D. scientist



Gaone Retshabile, Ph.D.

The University of Botswana graduated its first Ph.D. scientist, Gaone Retshabile, from the Collaborative African Genomics Network, speaking directly to Baylor and the University's mutual desire to build scientist-leader capacity.

Botswana named first high-burden country to achieve elimination of HIV mother-to-child transmission

The World Health Organization announced the Republic of Botswana as the first "high-burden" country to be certified for achieving the key milestone for the elimination of mother-to-child transmission of HIV. The Baylor International Pediatric AIDS Initiative at Texas Children's Hospital has played a significant role in this achievement through the Botswana Baylor Children's Centre of Excellence.

Volunteer Time Off

Baylor employees are able to take the equivalent of one paid workday per fiscal year to volunteer. The College also hosts volunteer opportunities throughout the year.



Decorating lunch bags for Kids' Meals, Inc.



Rodeo Acts of Kindness Program at the Houston Livestock Show & Rodeo



Volunteers at the Law Harrington Center, an affordable LGBTQ+ senior living center

Post-Baccalaureate Certificate in Biomedical Sciences and Health Equity

This one-year program through Baylor's Graduate School of Biomedical Sciences is aimed at enhancing, developing and enriching the academic knowledge base and skills of students prior to their entrance into medical and health professions school. The goal upon completion is for a student to successfully matriculate into an M.D. or D.O. program or other health professions graduate degree program at an accredited U.S. institution. Thirty-nine students matriculated to this newly redesigned program this past year.



Temple Regional Campus updates

- The School of Medicine is now accepting applications for summer 2023 when the inaugural incoming class for the Temple regional campus will begin its medical training.
- Baylor and the Central Texas Veterans Health Care System in Temple, Texas, announced a new affiliation where the VA will serve as one of the teaching hospitals for medical students training at the new Baylor College of Medicine School of Medicine regional campus in Temple.



Baylor's first-ever rural health residency program accepted three residents

for the inaugural year of the program. The residents began their training in July 2022 and the program is a collaboration with St. Luke's Health – Memorial Hospital in Lufkin, Texas, Baylor St. Luke's Medical Center and Texas Children's Hospital. The first year of training takes place in Houston and the last two years will focus on the care of the underserved and vulnerable populations of Lufkin and surrounding East Texas communities.

Educational outreach programs

- **Center for Teaching and eLearning provides expertise and professional development** in instructional design and technology and learner-centered teaching to support the effectiveness of academic programs.
- **Center for Educational Outreach received funding to develop local and national programs** related to STEM + M (health and biomedical science). This consortium will increase the number of STEM + M magnet high schools and middle schools locally and nationally, provide free, high-quality teaching resources, engage biomedical and healthcare institutions and individuals in pre-college education and create and implement in-person and online STEM + M National Educator Institutes to develop STEM + M local and state teacher-leaders.
- **HESS Toy Truck** and Baylor's Center for Educational Outreach released the sixth edition of the STEM curriculum guide that paired with the 2021 Hess Cargo Plane and Jet. The free curriculum guide is divided into six lessons for elementary and middle school students and uses the Hess Cargo Plane and Jet as a tool to teach students various STEM principles.



NEW ACADEMIC LEADERSHIP



Dr. Jennifer Christner

*Senior Dean of the School of Medicine
& School of Health Professions*



Dr. Todd A. Reinhart

Dean of the School of Health Professions



Dr. Carolyn Smith

*Dean of the Graduate School of Biomedical Sciences
& Vice President of Student and Trainee Services*



Rusk and Ryan named pandemic resilient schools

Baylor College of Medicine at James D. Ryan and the Baylor College of Medicine Biotech Academy at Rusk middle schools were recognized by the Children at Risk organization as pandemic resilient schools for the 2020-21 school year. Teams at both schools ensured that students remained safe during the height of COVID while staying engaged with their classes. The schools are part of Baylor's partnership with HISD.

School of Medicine awarded \$50K Accelerate Student Success Planning Grant

The Texas Higher Education Coordinating Board Accelerate Student Success Planning Grant supports a comprehensive academic support program specific to medical students. The program includes a Baylor-specific pre-entry program, a re-entry program for students who have been on a leave and a tutoring program that includes training, oversight and workshops.

GRADUATES

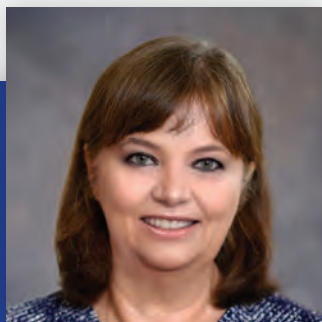
| | |
|---|------------|
| School of Medicine | 170 |
| Graduate School of Biomedical Sciences | 86 |
| School of Health Professions | |
| • Physician Assistant Program | 37 |
| • Doctor of Nursing Practice - Nurse Anesthesia Program | 17 |
| • Orthotics and Prosthetics Program | 24 |
| • Genetic Counseling Program | 9 |

NATIONAL SCHOOL OF TROPICAL MEDICINE

DIPLOMA IN TROPICAL MEDICINE

| | |
|-------------------------------------|-----------|
| Total students | 36 |
| Baylor medical students | 18 |
| Baylor physician assistant students | 5 |
| Baylor residents | 2 |
| Baylor fellows | 4 |
| Baylor physicians | 1 |
| Baylor nurse practitioners | 1 |
| Physicians | 3 |
| International physicians | 2 |

*30 learners completed the diploma program and are eligible to sit for the CTropMed® — Certificate of Knowledge in Clinical Tropical Medicine and Travelers' Health.



Dr. Helen Heslop, director of the Center for Cell and Gene Therapy, elected to the National Academy of Medicine

Heslop is among 90 regular members and 10 international members announced at the Academy's annual meeting. Election to the National Academy of Medicine is considered one of the highest honors in the field of health and medicine and recognizes individuals who have demonstrated outstanding professional achievement and commitment to service.



Dr. Huda Zoghbi awarded prestigious 2022 Kavli Prize in neuroscience for two discoveries

- The gene responsible for spinocerebellar ataxia 1 (SCA1)
- The discovery of the MECP2 gene responsible for Rett syndrome

Zoghbi was one of 11 scientists from across the globe to be named a Kavli Prize Laureate and the first Kavli prize winner at Baylor and Texas Children's Hospital.



Dr. Kara Marshall, assistant professor of neuroscience, named newest McNair Scholar

Marshall's lab focuses on understanding how the brain and nervous system detect mechanical forces in the body. She and her team aim to uncover how the gastrointestinal tract tells the brain that it is full, what causes internal organ pain and how these internal cues affect behavior and physiology.

Human Resources launches new online professional development resource

"Learning G.P.S. – Grow. Perform. Succeed." delivers valuable, convenient learning content that aligns members of the Baylor community with their professional development needs:



Communication
and Collaboration



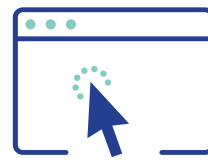
Performance
Management



Customer
Service Skills



Leadership/
Management



Microsoft
Office Skills

Dr. King and Dr. Gramatges elected to American Society for Clinical Investigation

Dr. Katherine King, associate professor of pediatrics – infectious diseases, and Dr. Monica Gramatges, associate professor of pediatrics – oncology, were elected into the American Society for Clinical Investigation. The society is one of the nation's oldest and most respected nonprofit medical honor societies and is focused on the special role of physician-scientists in research, clinical care and medical education.



Dr. Katherine King



Dr. Monica Gramatges

Dr. Herman and Dr. Li elected fellows of American Association for the Advancement of Science

Dr. Christophe Herman, professor of molecular and human genetics and molecular virology and microbiology, and Dr. Yong Li, professor of medicine in epidemiology and population science, were elected to the newest class of fellows for the American Association for the Advancement of Science, the world's largest general scientific society.



Dr. Christophe Herman



Dr. Yong Li

LEADERSHIP RECRUITMENT



Dr. James Anton

Chair of Department of Anesthesiology



Dr. Marc Moon

*Chief of Division of Cardiothoracic Surgery,
Michael E. DeBakey Department of Surgery*



Dr. Joe Petrosino

*Chair of Molecular Virology and Microbiology
& Chief Scientific Innovation Officer*



Dr. Pavan Reddy

*Director of the Dan L Duncan
Comprehensive Cancer Center*



Dr. Fidaa Shaib

*Associate Professor of Medicine
& Chief Medical Officer of Baylor Medicine* 11

Transition Medicine Clinic opens new location at Center for Pursuit

The Transition Medicine Clinic, a medical home for adults with intellectual and developmental disabilities, opened a second clinic at the Center for Pursuit. The partnership expands the clinic and the Center's mission to further opportunities and resources for this population.



Post-COVID Care Clinic funding

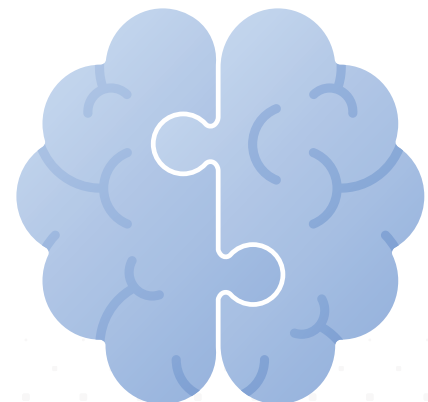
Baylor hosted U.S. Rep. Sylvia Garcia (TX-29) for a check presentation from the Congressional Community Project Funding program that will support Baylor and Harris Health's long-COVID care clinics. The funding is part of the Bipartisan Omnibus Appropriations Bill.

Spearheaded by Garcia's office, \$1.1 million was awarded to Baylor to support long-COVID care facilities, which will expand to Harris Health's Strawberry Health Center located in East Harris County in the 29th Congressional District.

Baylor researchers conducting treatment study for Texas children who have Autism Spectrum Disorder

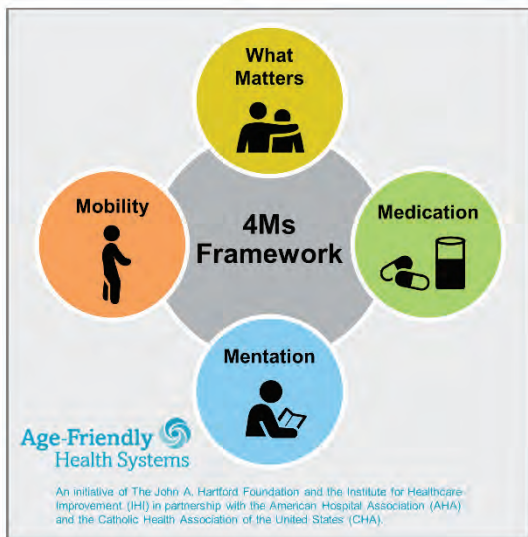
The study provides free, parent-led cognitive behavioral therapy for children in Texas who have Autism Spectrum Disorder and anxiety symptoms, including fears and worries. The study, titled TeleASD, will deliver therapy through virtual sessions over a 12-week period.

In parent-led therapy, parents learn skills to cope with stress and anxiety that they can teach their children. Through TeleASD, parents will work with their children to help them gradually face situations that can be anxiety-provoking, while teaching them how to adjust their thinking to reduce those feelings.



Baylor Medicine earns Age-Friendly Health Systems designation

Baylor Medicine, the multidisciplinary clinical practice of the College, was recognized as part of the Age-Friendly Health Systems initiative of the Institute for Healthcare Improvement and its partners. The recognition establishes Baylor Medicine clinics as leaders in the growing movement committed to the care of older adults. Healthcare providers recognized through the initiative show commitment to following the 4Ms of the Age-Friendly Health System:



What Matters: Know and align care with each older adult's specific health outcome goals and care preferences including, but not limited to, end-of-life care.

Medication: If medication is necessary, use age-friendly medications that do not interfere with what matters to the older adult, in terms of their mobility or mentation.

Mentation: Prevent, identify, treat and manage dementia, depression and delirium across settings of care.

Mobility: Ensure that older adults move safely every day to maintain function and do what matters to them.



Patient receives TAILΦR-made phage therapy with successful results

TAILΦR integrates scientific and medical expertise, technology, innovation and regulatory measure to generate and expedite a bench-to-bedside pipeline that delivers antibacterial viruses - phages - tailored to target specific antibiotic-resistant bacterial infections. Recently, TAILΦR published the success of its phage therapy on treating a liver transplant patient with complex, recurrent prostate and urinary tract antibiotic-resistant infections. The patient tolerated the phage therapy without any adverse events and experienced symptom resolution. Twelve patients have received TAILΦR-made phage therapy with successful results.

2022-23 U.S. News & World Report annual list of top graduate schools

In the research intensive category, Baylor remains among the top 25 medical schools in the nation at 22nd and in the primary care category, at No. 16.

TOP

15%

These rankings place Baylor College of Medicine in the top 15% of all U.S. medical schools.

Baylor College of Medicine is ranked nationally in these specialty programs by U.S. News & World Report

#8

PEDIATRICS

#14

ANESTHESIOLOGY

#16

OBSTETRICS & GYNECOLOGY

#16

RADIOLOGY

#19

SURGERY

#26

INTERNAL MEDICINE

#25

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES



U.S. News & World Report ranked Baylor at 35th in the category of most diverse medical schools. The ranking is based on a four-year rolling average.

U.S. News & World Report did not conduct new surveys for the School of Health Professions Nurse Anesthesia program, ranked second, or the Physician Assistant Program, ranked third.

Baylor College of Medicine

Baylor College of Medicine has outstanding hospital affiliates that contribute greatly to the success of the institution. All provide excellence patient care to serve the needs of the Houston community and far beyond.



HARRIS HEALTH SYSTEM



FINANCIALS

\$2,320M

FY2022 REVENUES

\$1,524M

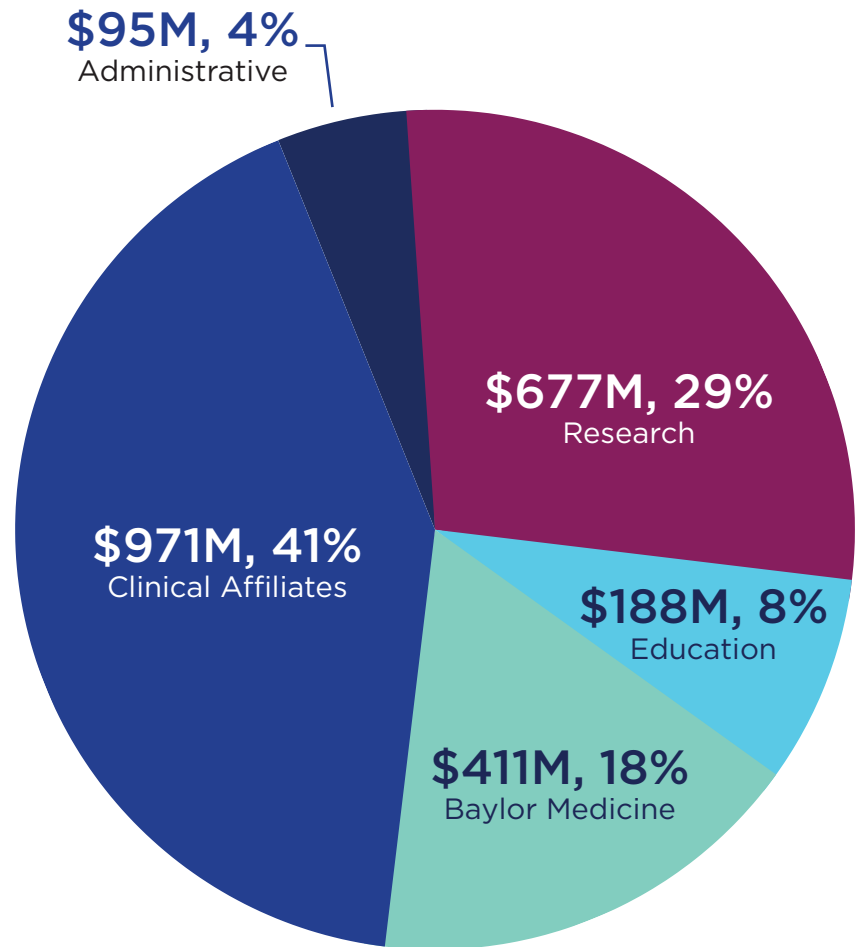
FY2022 ENDOWMENT BALANCE

\$162M

FY2022 FUNDS RAISED*

**Includes cash gifts, planned gifts, recordable and non-recordable pledges*

FY2022 Revenue by Mission Area



Clinical Affiliates includes Baylor St. Luke's Medical Center Joint Venture

Bond Credit Rating

FEBRUARY 2022

A

S&P Rating

Positive

Outlook

IN MEMORIAM

Dr. Robert George Grossman

(1933 - 2021)

Dr. Grossman served as chair of neurosurgery from 1980 to 2005 and continued to be part of the Baylor community as a professor of neurosurgery since 2013. He worked with patients with epilepsy, traumatic brain injury, Parkinson's Disease, spinal cord injury and brain tumors and performed more than 8,000 major neurosurgical operations from 1960 to 2012. He made scientific contributions in all of these neurological areas and in 2004, he founded the North American Clinical Trials Network for Spinal Cord Injury. He received the Cushing Medal from the American Association of Neurological Surgeons in 2007 for service to neurosurgery and the Albert and Ellen Grass Foundation Prize and Medal from the Society of Neurological Surgeons in 1988 for continuous commitment to research in the neurosciences.



Dr. C. Thomas Caskey

(1938 - 2022)

Dr. Caskey was a pioneer in genetics and genomics and a professor of molecular and human genetics at Baylor. He founded what is known today as the Department of Molecular and Human Genetics and grew the department into a national research powerhouse. A national leader in genetic research, he was influential at the earliest meetings about the Human Genome Project. His research identified the genetic basis of 25 major inherited diseases and clarified the understanding of "anticipation" in triplet repeat diseases Fragile X syndrome and myotonic muscular dystrophy. His personal identification patent is the basis of worldwide application for forensic science, and he also was a consultant to the FBI in forensic science. He was a member of the National Academy of Sciences, National Academy of Medicine and fellow of the Royal Society of Canada. He received the William G. Anlyan Duke Lifetime Achievement Award and the William Allan Award of the American Society of Human Genetics and the Giovanni Lorenzini Foundation Prize for Basic Biomedical Research.



Dr. Harvey Levin

(1946 - 2022)

Dr. Levin was a pioneer in brain injury research who authored and co-authored more than 300 articles in scientific journals and numerous books that advanced the knowledge of and treatments for traumatic brain injury. He served as a professor in the H. Ben Taub Department of Physical Medicine and Rehabilitation and was director of research for the department from 1995 to 2014. He also held a joint appointment at the Michael E. DeBakey Veterans Affairs Medical Center. In 1995, he established the Cognitive Neuroscience Laboratory at Baylor's Neurosensory Center, which focuses on multidisciplinary traumatic brain injury research for adult and pediatric populations, as well as sports-related concussion and traumatic brain injury sustained by veterans in combat. He received the American Congress of Rehabilitation Medicine Gold Key Award and Distinguished Lifetime Contribution to Neuropsychology Award from the National Academy of Neuropsychology.



Dr. Thomas David Johnson

(1951 - 2022)

Dr. Johnson served as an assistant professor in the School of Health Professions. He started working at Baylor in 1984 as a research instructor in the Department of Anesthesiology. From 2005 to 2019, he served as the research coordinator and a physiology instructor for the School of Health Professions, where he taught students in the Physician Assistant, Nurse Anesthesia, Orthotics and Prosthetics and Genetic Counseling programs. He received several teaching awards and was renowned for his "Science History Corner," which supplied his students with historical data that they could use for extra credit on their exams.



Dr. Martin Grabois

(1940 - 2022)

Dr. Grabois served as the chair of physical medicine from 1978 to 1990, and chair of the combined Department of Physical Medicine and Rehabilitation from 1990 to 2012. He remained a faculty member of the department until he retired in 2021. He chose the field of physical medicine and rehabilitation following his service in the U.S. Army Medical Corps in Vietnam, where he cared for patients suffering from chronic pain as well as those who needed long-term rehabilitation from injuries. He was known for his expertise in acute and chronic pain syndrome and pain management. Grabois gave hundreds of presentations and published several books, chapters, articles and abstracts related to the field of physical medicine and rehabilitation. He received the Gold Key Award from the American Congress of Rehabilitation Medicine and the Frank H. Krusen Lifetime Achievement Award from the American Academy of Physical Medicine and Rehabilitation.



Dr. Massimo "Max" Pietropaolo

(1957 - 2022)

Dr. Pietropaolo was a professor in the Margaret M. and Albert B. Alkek Department of Medicine's Division of Endocrinology, Diabetes and Metabolism and the Department of Pathology and Immunology. He was named a McNair Scholar and served as director of the Type 1 Diabetes Program and associate director of the Diabetes Research Center. An internationally known physician-scientist and diabetologist, he devoted his life to studying the immunology and genetics of Type 1 diabetes with the goal of designing effective immunotherapeutic strategies to prevent the development of the disease. He authored more than 150 peer-reviewed articles and served on numerous grant review panels. He received the Career Development Award from the American Diabetes Association, the League of Research Excellence Award from the University of Michigan Medical School, the Oscar Crofford Award from Vanderbilt University, the Christopher Columbus Italian-American Society Award and the Outstanding Alumni Achievement Award from his alma mater, the University of Perugia Medical School, on the occasion of its 700th anniversary.



Baylor
College of
Medicine

BCM.EDU