CREDITS

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TABLE OF CONTENTS

1
Message from the Dean

2
News of Note

6
Fifty Years, 50 Highlights

32
Accolades

34
Philanthropy

40
Distinguished Alumni

42
Department Profiles

54
In Memoriam
MESSAGE FROM THE DEAN

McGovern Medical School has a rich history. We are a patchwork of incredible people whose contributions have made the school what it is today. This year we had the honor of looking back and celebrating the school’s 50-year history – our people, programs, and traditions.

We celebrated this 50th year with a number of special events and nationally recognized speakers. In addition, we invited all members of our medical school family – past and present – to share their medical school stories and personal reflections with us, in a unique video project we are calling Time Capsules. I invite you to view these special video remembrances on the McGovern Medical School YouTube site (https://www.youtube.com/user/utmedicalschool/videos). Please contact our office (ms.communications@uth.tmc.edu) if you are interested in sharing your own McGovern history with us.

This is a special annual report – highlighting 50 items from our school’s 50-year history. Thanks to the many people who sent in suggestions. Please enjoy the walk down memory lane as you review this special issue, complete with an updated timeline for the school.

On a sad note, many colleagues and friends around the world mourned the passing of our founding dean, Cheves Smythe, MD. Dr. Smythe was a remarkable man who contributed to the careers of generations of physicians throughout the world.

I would be remiss if I did not give a special thank you to our entire Medical School family and our alumni for your heroism during the current corona virus pandemic. You make us, and the profession of medicine, proud.

On a personal note, I will be stepping down as dean this summer. I am proud to consider myself part of the McGovern Medical School alumni family. Serving as your dean has been the absolute highlight of my career. I will miss the remarkable people of McGovern Medical School and will always keep you in my heart.

THANK YOU
Barbara J. Stoll, MD
Dean and H. Wayne Hightower Distinguished Professor
RISING STARS

The UT System Board of Regents created the Faculty Science and Technology Acquisition and Retention (STARs) Program in 2004 to help UT institutions attract and retain outstanding faculty. Awards, which can be used to purchase equipment and renovate facilities, require institutional support and are available to support the recruitment of tenure-track faculty members at any rank.

Through this program, McGovern Medical School welcomed faculty members, Hyun-Eui Kim, PhD, assistant professor in the Department of Integrative Biology and Pharmacology; Ashish Kapoor, PhD, assistant professor at the Brown Foundation Institute of Molecular Medicine; and Rachael W. Sirianni, PhD, assistant professor in the Vivian L. Smith Department of Neurosurgery, with the UT Rising STARs Award. Additionally, John Compton Mosher, PhD, professor of neurology, joined the McGovern faculty through the Translational STAR program.

STUDENT AWARDS

McGovern Medical School continued its tradition of “Building Better Docs” with several medical students taking home high honors.

Michael Bagg earned one of the state’s top honors, claiming the Texas Medical Association’s Student of the Year, while Hallie Malone and Gina Duong each earned the SCoPE Ethics & Professionalism Award, and Callie Kwartler earned Proteintech’s 2018 Best Mentor in the postdoctoral category.

Additionally, Samantha Debes earned the Terry J. Crow, PhD, Scholarship in Neuroscience, while Natasha Kharas received a pre-doctoral NIH fellowship from the National Eye Institute.
Government officials and community leaders gathered to break ground June 26, 2019, on a $125 million building on the UTHealth Continuum of Care Campus for Behavioral Health. The new building, a 240-bed hospital, is a joint project of The University of Texas Health Science Center at Houston (UTHealth) and the Texas Health and Human Services Commission (HHSC).

The newest hospital was created with state funding awarded to the HHSC by the 2017 Legislative Budget Board and Gov. Greg Abbott as part of a statewide initiative to improve behavioral health across Texas. Slated to be completed in early 2022, the additional hospital building will make the UTHealth Continuum of Care Campus the largest academic psychiatric hospital in the country.

Physicians and staff will focus on reducing rapid readmissions and improving outcomes for patients with four or more stays per year. The facility will be the first public mental health hospital built in Houston in more than three decades and, like the adjacent, will be managed and staffed by the Louis A. Faillace, MD, Department of Psychiatry and Behavioral Sciences at McGovern Medical School at UTHealth.
LBJ HOSPITAL WINS NATIONAL AWARD FOR ITS FARM FOOD PROGRAM

A farm-to-hospital nutritional program at Harris Health System’s Lyndon B. Johnson Hospital for patients suffering from food insecurity won top honors as Grand Prize Winner of the 2019 Innovation Challenge Award by the American College of Physicians. The hospital’s national recognition bested programs submitted by Cleveland Clinic and other renowned institutions.

The team at LBJ Hospital has been growing a farm that produces tomatoes, green beans, lettuce, squash, and other vegetables on its grounds for more than a year now. In that time, staff and volunteers have harvested hundreds of pounds of food.

An estimated 55 percent of the population in northeast Harris County — LBJ Hospital’s major service area — lives below the federal poverty level, and more than 13,000 residents suffer daily from hunger. In fact, the U.S. Department of Agriculture considers the area a food desert, meaning the area suffers from a lack of access to healthy food options.

The initial goals of the produce prescription program are to address nutrition-related diseases, such as diabetes and hypertension, by establishing a hospital-based food pharmacy where patients can receive 30 pounds of fresh produce every two weeks to help them develop healthy lifestyle changes. Food will be provided filled by crops harvested from the hospital farm and the Houston Food Bank.

The program also will feature “walk-and-learn” sessions with patients by dietitians who teach participants about food selection and its effects on their health. The lessons are aligned with the culinary nutrition curriculum from UTHealth School of Public Health Nourish Program and will provide patients the tools to prepare food they receive with consideration to cost, preparation time, taste, cultural sensitivity, and their specific health condition.
NEW LEADERSHIP

The departments of emergency medicine, neurobiology and anatomy, and pediatrics each welcomed new chairs.

Bentley J. Bobrow, MD, John P. and Kathrine G. McGovern Distinguished Chair in Emergency Medicine, joined McGovern Medical School from the University of Arizona College of Medicine where he was associate director of the Arizona Emergency Medicine Research Center, and medical director for the Arizona Department of Health Services Bureau of EMS and Trauma System.

Pramod Dash, PhD, professor and Nina and Michael Zilkha Distinguished Chair in Neurodegenerative Disease Research, was named chair for the Department of Neurobiology and Anatomy after previously serving as the interim chair for the department.

Mary Aitken, MD, MPH, professor and Dan L. Duncan Distinguished University Chair in Pediatrics, was named chair of the Department of Pediatrics and physician-in-chief of Children’s Memorial Hermann Hospital. Dr. Aitken joined McGovern Medical School from the University of Arkansas for Medical Sciences.

Dean Barbara J. Stoll, MD, appointed John Riggs, MD, the assistant dean for professionalism, effective April 1, 2020. Dr. Riggs, the John T. Armstrong Professor in Obstetrics and Gynecology, will lead efforts to enrich the professional well-being of our students, residents, faculty, and staff in this new office.

CHILDREN’S LEARNING INSTITUTE AWARDED $4.7M TO IMPROVE EDUCATION OUTCOMES

The Children’s Learning Institute at McGovern Medical School received $4.7 million from the U.S. Department of Education’s Institute of Education Sciences for programs to further the institute’s commitment to helping children realize their full potential.

April Crawford, PhD, associate professor and director of strategic initiatives and implementation, will further her work on professional development programs for preschool teachers, and Carolyn Denton, PhD, will develop a reading program for at-risk kindergarten students with the funding.
50
FIFTY YEARS
FIFTY HIGHLIGHTS
01 JUNE 13, 1969

Gov. Preston Smith signs House Bill 30 in Sammons Auditorium in the Jesse H. Jones Library Building in the Texas Medical Center, creating The University of Texas Medical School at Houston.

02 THE START OF SOMETHING BIG

The founding dean of the Medical School, Dr. Cheves McCord Smythe is recruited in 1970 from the Association of American Medical Colleges (AAMC), where he is working as associate director. Dr. Smythe serves as dean until 1975 and is responsible for hiring the school leadership and overseeing the school’s construction and curriculum. He is actively involved in curriculum development and a clinical professor in internal medicine and geriatrics until his retirement from the medical school in 2012 – marking 41 years of service.

03 HENRY STROBEL, PHD

Beloved biochemistry faculty member, founder of the student retreat, and inaugural associate dean of faculty affairs, Dr. Henry Strobel also is the originator of the China elective program and an ordained Episcopal priest. An original faculty member of the Medical School, he joins as an assistant professor in 1972 and is named professor emeritus in 2014.
Ferid Murad, MD, PhD, chair of the Department of Integrative Biology and Pharmacology is awakened at 4 a.m. to the words, “You have just been named a recipient of the 1998 Nobel Prize in Physiology or Medicine to be awarded December 10, 1998 in Stockholm, Sweden.” This makes him the first Nobel Laureate in residence in the Texas Medical Center.

The dual degree program at McGovern Medical School offers students the opportunity to expand their horizons beyond the norms of traditional medical school education.
Surgeon, medical educator, Texas icon. Dr. Duke joins the medical school in 1972 as a professor of surgery, where he teaches and mentors countless students, residents, and fellows. He is an example and friend to all – always putting patients first. Dr. Duke establishes the trauma service at Memorial Hermann-Texas Medical Center and is instrumental in introducing Life Flight, the state’s first air ambulance service. His reach extends beyond the Medical School and hospital as he becomes a fixture in living rooms across the nation in the syndicated television news program, *Texas Health Reports.*
With Life Flight helicopter critical care service as its keystone since 1976, the Red Duke Trauma Institute at Memorial Hermann-Texas Medical Center is one of the busiest Level 1 trauma centers in the nation. McGovern Medical School faculty and residents also staff LBJ General Hospital’s Level 3 trauma center – an incredibly important safety-net hospital serving a vulnerable population.

The Children’s Learning Institute combines knowledge from the fields of child development, medicine, psychology, neuroscience, and education to provide proven learning solutions supported by research. Led by founder Susan Landry, PhD, its faculty and staff are dedicated to carrying out the institute’s mission of creating a quality learning environment for all children through classroom curriculum, parenting programs, teacher mentoring, clinical programs, and applied research.

Remembered as “Mom” Murphy, the first registrar of the Medical School is known for memorizing the names of all of the medical students before they start their first day of school. Joining the medical school faculty in 1975, she retires in 1988.
McGovern Societies provide an integrated, seamless mentoring and advising system to support our students’ wellness, resilience, and professionalism.

First-year medical students are inducted into one of 30 named societies:

- Anita Borges Stude
- Anna Steinberger, PhD
- Anne and Bill Stewart
- Barbara and Gerald Hines
- Becky and Ralph S. O’Connor
- Crawford & Hattie Jackson Foundation
- Denton A. Cooley, MD
- Dr. Frank and Lynne Arnett
- Dr. Marnie Rose
- Evelyn H. Griffin
- Georgiana and Robert Ladd
- Hailey and David Higgins
- Herbert and Margaret DuPont
- Isabella and Cheves Smythe, MD
- James H. “Red” Duke, Jr., MD
- John H. Freeman
- John S. Dunn Foundation
- Laura Andrassy
- Leah Lewis Stone and Jim Stone
- Linda and James McIngvale
- Michelle and Lorne Bain
- Mrs. June Waggoner
- Nancy and Clive Runnells
- Nicole and Evan H. Katz
- Richard S. Ruiz, MD
- Rick McCord
- Robert A. “Pete” Seale
- Rolanette and Berdon Lawrence
- Vincent Florence Guinee, MD
- William Deffebach, JD

Each McGovern Society is led by a Patricia Lee, MD ’81 and Stephen Tyring, MD, PhD Faculty Affiliate; Keith and Alice Mosing Society Leader; and Underwood Family Peer Mentors.
**12 WHITE COAT CEREMONY**

Established by the Gold Foundation in 1993, McGovern Medical School holds its first White Coat Ceremony in 1993, ushering in a new class of students to the medicine, focusing on the value of humanism. Since 2018, the McGovern White Coat Sponsorship Campaign has raised funds to supply white coats to all 240 incoming students.

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**13 A MEDICAL PROMISE**

“That I will lead my life and practice my art in uprightness and honor.”

— Hippocratic Oath

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**14 THE FINISH LINE!**

Conferring of the degrees. Walking the stage. The Eyes of Texas. Congratulations, Doctor. Commencement marks the culmination of your journey through medical school and also the beginning of your career in medicine.
The Brown Foundation Institute of Molecular Medicine for the Prevention of Human Diseases (IMM) joins the Medical School as a research institute in January 2011. Established in 1995, the IMM is focused on preventing and treating diseases at the genetic, molecular, and cellular levels.

BENJY F. BROOKS, MD

The first board-certified woman pediatric surgeon, Dr. Brooks joins the faculty of McGovern Medical School in 1973, blazing trails and serving as a role model to countless trainees. She remains active in the life of the Medical School until her death in 1989, and the annual clinical faculty award is named in her honor.

A LITTLE HELP FROM OUR FRIENDS

Supporting our students for over 30 years, the Organization of Families and Friends provides emergency loans, burnout dinners, and fellowship.
THE ENVELOPE, PLEASE: MATCH DAY

“Greatest day of medical school”
Annual deans lectures, funded by generous donors, provide the medical school community, and beyond, the opportunity to hear scientific talks from invited experts.

Located in the most culturally diverse city in the United States, McGovern Medical School embraces its diversity and builds upon the richness these differences bring.

McGovern Medical School is putting a renewed emphasis on mental health as evidenced by the Continuum of Care Campus being built adjacent to the UTHC Psychiatric Center and new research, education, and clinical programs that strengthen the opportunities for trainees and patients.
**EDUCATION 2.0**

It’s a new curriculum for medical school students. Implemented in the fall of 2016, students now learn in an integrated system-based style, engaging our students with yearlong longitudinal patient care experiences supervised by faculty and community preceptors beginning in their first year. The accelerated schedule creates more elective opportunities for our students to focus on career and residency preparation.

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**FACULTY STARS**

A program of the UT System Board of Regents, the Faculty Science and Technology Acquisition and Retention Program helps McGovern Medical School recruit and retain outstanding faculty members.

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**CARE ACROSS THE LIFESPAN**

From the Maternal-Fetal Center, providing specialized care to moms and newborns, to the Center for Healthy Aging, our faculty care for today’s patients and train the next generation of experts.
The single largest gift from the John P. McGovern Foundation – $75M – renames UTHealth Medical School to the John P. and Kathrine G. McGovern Medical School in 2015. The gift provides the school’s first full-ride scholarship, support for research, and funding to recruit and retain outstanding faculty. The school’s annual McGovern Day event celebrates this gift and legacy.
26 CARING COMMUNITY

UT Physicians is the clinical practice of McGovern Medical School at UTHealth. With more than 2,000 clinicians serving 80 medical specialties and subspecialties, UT Physicians provides multi-specialty care for the entire family.

27 LECTURE FROM SPACE

NASA astronaut and alumna Serena Auñón-Chancellor, MD, ’01, presents an out-of-this world experience as she lectures and fields question from the Medical School Sept. 28, 2018, while far, far away aboard the International Space Station.

28 HANDS-ON LEARNING

The Surgical & Clinical Skills Center provides unique learning spaces to educate and train individuals of all levels on both clinical training and the surgical aspects of health care.
Since the 1970s, the Willed Body Program has allowed individuals to provide a gift for science through body donation after death. The Willed Body Program provides valuable training experience for both medical students and professionals.

International Day of Women and Girls in Science Symposium
February 11, 2019 | 4-7 p.m.
Memorial Herman Conference Center

From yearly Excellence Awards to networking opportunities, the Women’s Faculty Forum provides opportunities for professional development for women faculty.
WEATHERING THE STORMS OF LIFE

GREAT FLOOD OF 1976

TROPICAL STORM ALLISON

HURRICANE HARVEY
The largest medical city in the world, the Texas Medical Center cares for millions of patients each year across multiple institutions, housing some of the most innovative and brilliant minds in medicine. With over 106,000 employees, the Texas Medical Center is the eighth-largest business district in the United States, and we are fortunate to work and learn in the heart of this remarkable place.
From the traditional Leather Lounge to the new Student Lounge opened in 2018, there is always a place for students to relax and unwind.

“Everyone helped each other out. Exactly what you want when going through such rigorous training.”
Recongnized Experts

Whether you see McGovern Medical School physicians on billboards across the city of Houston, or on a nationally televised news broadcast, our faculty are recognized worldwide for their expertise.
“All the amazing educators I had as a student that I try to emulate as a faculty member.”
WELCOME TO McGOVERN: FRESHMAN RETREAT

“I met lifelong friends there and think fondly of the team building that happens there.”

A rite of passage for the incoming class, the Henry Strobel Retreat is held annually at Camp Allen in Navasota, Texas, and is named in honor of one of its founders and biggest champions, Henry Strobel, PhD.
40 RESILIENCE THROUGH THE ARTS

From bluegrass to Middle Eastern music, the Arts and Resilience Program brings artists to campus and links the arts and humanities with medicine.

41 COLLABORATIVE RESEARCH

In 2006, the Medical School is thrilled to be selected as one of the first 12 recipients in the nation of a National Institutes of Health Clinical Translational Sciences Award, which establishes our collaborative and comprehensive Center for Clinical and Translational Sciences. Refunded in 2019, the CCTS now includes such collaborators as Rice University, The University of Texas MD Anderson Cancer Center, UT Health Rio Grande Valley, and UTHealth at Tyler.

42 SPOTLIGHT ON RESEARCH

Going strong for 20 years, the annual Medical School Research Retreat provides a platform for collaboration, discussion, and showcasing McGovern research that matters.
Barbara J. Stoll, MD, the ninth dean of McGovern Medical School, joins the faculty Oct. 1, 2015.

Webber Plaza, the greenspace between the Texas Medical Center Library Building and the Medical School Building, is named in honor of former Dean C. Frank Webber and is the site of numerous events and informal gatherings.

McGovern Medical School provides world-class health care to the Houston area, and it starts at home with campus wellness programs.
SERVING HOUSTON

The entire McGovern Medical School community has a tradition and a passion for serving its community through clinical, educational, and other service outreach.
McGovern Medical School is more than an academic medical home – it’s a family that loves to celebrate together.
COVID-19 PANDEMIC

From the front lines, to the research benches, and working at home, McGovern Medical School is doing its part to protect the community and prepare for the future.
With only one woman among a class of 23 students in the Class of 1973, to class sizes of 240 with the majority women, today’s McGovern Medical School student body more accurately reflects the diverse population of Houston, the fourth-largest city in the nation.

**INCOMING STUDENTS FY20**

- **240** Number of incoming students
- **5,364** Primary applications submitted
- **22.4** Average age
- **98** Male
- **142** Female
- **512** Average MCAT
- **841** Interviews conducted
- **59** Number of undergraduate colleges represented
- **15** Number of non-Texas residents
- **3.85** Average GPA
- **225** Number of Texas residents
- **11** Number of states represented
- **20** Youngest
- **33** Oldest
Compassion, Collaboration, Curiosity

McGovern Medical School celebrates its 50th anniversary throughout the year.
JANUARY 1968
Original affiliation agreement is signed between the Hermann Hospital Estate and The University of Texas Board of Regents, making Hermann Hospital the primary teaching facility for the proposed University of Texas Medical School at Houston.

MAY 1969
The Texas Legislature approves the UT Medical School at Houston.

JUNE 1969
Gov. Preston Smith signs House Bill 80 into law at Texas Medical Center ceremonies in the Sammons Auditorium of the Jesse H. Jones Library Building.

APRIL 1970
Cheves McCord Smythe, MD, is appointed first dean of the new school.

JUNE 1971
The first entering class of 32 students to complete all studies in Houston is welcomed at orientation.

OCTOBER 1972

SEPTEMBER 1973
Construction of Phase II (23,750 gross sq ft) begins for the Medical School Building, connecting the Freeman Building with Hermann Hospital.

DECEMBER 1973
Charles Berry, MD, is named the first president of The University of Texas Health Science Center at Houston.

SEPTEMBER 1970
The first class of 19 students is selected and enrolls at UT campuses in three cities.

AUGUST 1971
John H. Freeman Building construction begins.

NOVEMBER 1972
The Medical School joins The University of Texas Health Science Center at Houston organizational structure.

DECEMBER 1974
Charles Berry, MD, is named the first president of The University of Texas Health Science Center at Houston.

JUNE 1975
Robert L. Tuttle, MD, is named dean of the UT Medical School at Houston.

AUGUST 1976
The first flight of Hermann Life Flight®.

AUGUST 1977
The first weekend orientation retreat for new students is hosted by second-year students.

JUNE 1976
The nearly completed Medical School Building, connecting the John H. Freeman Building and Hermann Hospital, is devastated by flood.

MARCH 1977
Phase II construction of the Medical School Building is completed.

1975
MARCH 2001
James T. Willerson, MD, is named president of The University of Texas Health Science Center at Houston.

JUNE 2001
Tropical Storm Allison unleashes 10 million gallons of rain runoff into the basement of the Medical School Building, causing an estimated $205 million in damages. Memorial Hermann Hospital is forced to close for the first time in 70 years.

MARCH 2001
James T. Willerson, MD, is named president of The University of Texas Health Science Center at Houston.

JUNE 2004
Stanley G. Schultz, MD, is named dean of the UT Medical School, having served as interim dean since June 2003.

1990
JANUARY 1990
The affiliation between the UT Medical School and Harris County Hospital District (Lyndon B. Johnson’s General Hospital) is approved.

SEPTEMBER 1994
Problem-based Learning (PBL) is incorporated into the second-year curriculum.

NOVEMBER 1994
University Care Plus (UCP) is created as the management services organization for the school’s clinical practice. UCP is later renamed UT Physicians.

JULY 1995
Cheves McCord Smythe, MD, is appointed first dean of the UT Medical School.

APRIL 1996
L. MacLean-Buja, MD, is appointed dean pro tem.

AUGUST 1996
The annual White Coat Ceremony is introduced for new students.

NOVEMBER 1997
The merger of Hermann Hospital with Memorial Healthcare System is approved and named the Memorial Hermann Healthcare System.

DECEMBER 1998
The Nobel Prize in Physiology or Medicine is awarded to the chair of the Department of Integrative Biology and Pharmacology, Ferid Murad, MD, PhD, for his research identifying the biological properties of nitric oxide.

2000
FEBRUARY 2000
The UT System Board of Regents approves $50 million in Permanent University Funds to launch planning and fundraising for three new buildings, including a Medical School research building.

JUNE 2001
Tropical Storm Allison unleashes 10 million gallons of rain runoff into the basement of the Medical School Building, causing an estimated $205 million in damages. Memorial Hermann Hospital is forced to close for the first time in 70 years.
Richard J. Andrassy, MD, FACS, FAAP, FACN, FICS, executive vice dean of clinical affairs and Denton A. Cooley, MD Chair in Surgery, received the President’s Recognition of Excellence Award.

Cesar A. Arias, MD, MSc, PhD, professor of internal medicine, Laurel and Robert H. Graham Faculty Fellow, and director of the Center for Antimicrobial Resistance and Microbial Genetics, was selected as a fellow for the American Academy of Microbiology.

Carol J. Baker, MD, adjunct professor of pediatrics, received the Albert B. Sabin Gold Medal from the Sabin Vaccine Institute.

Len Cleary, PhD, professor of neurobiology and anatomy and associate dean for Educational Programs, received the President’s Scholar Award for Excellence in Teaching.

Joy Cornthwaite, RD, certified diabetes educator at UT Physicians, was named the 2019 Texas Diabetes Educator of the Year by the American Association of Diabetes Educators.

J. Chase Findley, MD, assistant professor of psychiatry and behavioral sciences, received the Devneil Vaidya Junior Faculty Teaching Award from the Association of Directors of Medical Student Education in Psychiatry. Dr. Findley is also the recipient of the 2019 John P. McGovern Award as the exceptional clinical teacher.

Danielle Garsin, PhD, professor of microbiology and molecular genetics, was selected as a fellow of the American Academy of Microbiology.

David R. Hall, MD, assistant professor in the Department of Surgery, won the 2019 Benji F. Brooks, MD, Outstanding Clinical Faculty Award.

Christopher D. Harner, MD, professor of orthopedic surgery and vice chair for academic affairs, was inducted into the American Orthopaedic Society for Sports Medicine Hall of Fame.

Jacqueline T. Hecht, PhD, professor, Leah L. Lewis Distinguished Chair, and vice chair for research in the Department of Pediatrics, was bestowed the lifetime honor of “elected Fellow” by the American Association for the Advancement of Science.

Peggy Hsieh, MEd, PhD, associate professor and director of the Department of Educational Development, was the recipient of the Association of American Colleges’ Outstanding Presentation Award for Graduate Medical Education.

Vineeth John, MD, MBA, professor of psychiatry and behavioral sciences, was named co-director of the Learning Environment.

Susan H. Landry, PhD, Michael Matthew Knight Memorial Professor in Pediatrics and Margaret Alkek Distinguished Chair in Early Childhood Development, received the President’s Scholar Award for Excellence in Research.

Scott Larson, MD, PhD, assistant professor of gastroenterology, won the 2019 SCOPY award from the American College of Gastroenterology.

Juneyoung Lee, PhD, postdoctoral research fellow in the BRAINS Research Laboratory in the Department of Neurology, received the 2019 Lawrence M. Brass Stroke Research Award at the American Academy of Neurology Annual Meeting.

Amber Luong, MD, PhD, associate professor of otorhinolaryngology, won the 2019 Edmund Prince Fowler Award from The Triological Society for research on induction of Interleukin-33 cytokine expression in chronic rhinosinusitis. Dr. Luong was also accepted into the 2019-20 Executive Leadership in Academic Medicine Fellowship Program.
Gary C. Rosenfeld, PhD, professor of integrative biology and pharmacology and associate dean of Educational Programs, was the 2019 recipient of the Edward Patrick Finnerty Lifetime Achievement Award from the International Association of Medical Science Educators.

Louise D. McCullough, MD, PhD, Roy M. And Phyllis Gough Huffington Distinguished Chair and professor of neurology, was named the recipient of the 2019 Landis Award for Outstanding Mentorship presented by the National Institute of Neurological Disorders and Stroke.

David Meyer, MD, assistant professor of surgery, was named the Memorial Hermann Life Flight assistant medical director.

Dianna M. Milewicz, MD, PhD, President George Bush Chair in Cardiovascular Medicine and vice chair of internal medicine, was named a 2019 Rice University Distinguished Alumni by the Association of Rice Alumni. Dr. Milewicz also received the American Heart Association's $1 million Merit Award to investigate the genetics related to life-threatening strokes suffered by thousands of children each year.

Lesley Osborn, MD, assistant professor of emergency medicine, was named director of Memorial Hermann Life Flight.

Jacqueline Parchem, MD, assistant professor of obstetrics, gynecology, and reproductive sciences, earned the Foundation for Society of Maternal-Fetal Medicine and the American Association of Obstetricians and Gynecologists Foundation 2019-22 Foundation for SMFM/AAOGF Scholarship Award for her project “Modulation of Neural Tube Development by Amniotic Fluid Exosomes.”

John Riggs, MD, MS, Dr. John T. Armstrong Professor in Obstetrics and Gynecology, was named co-director of Learning Environment.

Gary C. Rosenfeld, PhD, professor of integrative biology and pharmacology and associate dean of Educational Programs, was the 2019 recipient of the Edward Patrick Finnerty Lifetime Achievement Award from the International Association of Medical Science Educators.

Milton "Chip" Routt, Jr., MD, professor and Andrew R. Burgess, MD, Chair in the Department of Orthopedic Surgery, won the 2019 Leonard Tow Humanism in Medicine Award presented by the Arnold P. Gold Foundation.

Ashley Rubinstein, PhD, resident in the Department of Diagnostic & Interventional Imaging, received the American College of Radiology's Richard L. Morin, PhD, Fellowship in Medical Physics.

Cristina Sola, MSN, RN-BC, AGNP-C, a nurse in the Department of Cardiothoracic & Vascular Surgery, was named as one of the Top 150 nurses in the Greater Houston Area by the Houston Chronicle.

Dean Barbara J. Stoll, MD, H. Wayne Hightower Distinguished Professor, received the 2019 Distinguished Alumna Award from Babies Hospital, Columbia University and delivered the annual Hattie Alexander Lecture.

Jennifer Swails, MD, associate professor of internal medicine and director of Interprofessional Education, was the winner of the 2019 Herbert L. and Margaret W. DuPont Master Clinical Teaching Award.

Nitin Tandon, MD, professor of neurosurgery, mentored a group of Rice University students to become the worldwide winners of the Institute of Electrical and Electronics Engineers Circuits and Systems student design competition in Sapporo, Japan.

Sylvia Villarreal, MEd, MPH, project manager of the Sacred Vocation Program, won the Annals of Internal Medicine's 2018 Poetry Prize for the best poem published throughout the year.

Han Zhang, MD, professor of neurobiology and anatomy, won the 2019 John H. Freeman Award for Faculty Teaching.

Tricia Zucker, PhD, associate professor and the Harriet and Joe Foster Distinguished Professor of pediatrics, won the Presidential Early Career Award for Scientists and Engineers, the highest honor bestowed by the U.S. government to early career researchers.
When Anthony Faillace considers all the good that has happened in his life, his thoughts quickly turn to his father.

Many know Louis A. Faillace, MD, as the founding chair of the Department of Psychiatry and Behavioral Sciences at McGovern Medical School. A widely respected psychiatric clinician and researcher, he led the department from 1971 to 1987, during which he also served a year as interim dean of the school.

He played a major role in building the strategic partnerships that have proven to be crucial to UTHealth’s success. Most notably, these included clinical affiliations with UTHealth Harris County Psychiatric Center, Memorial Hermann-Texas Medical Center, and Harris Health’s Lyndon B. Johnson Hospital—agreements that today provide the vast majority of the university’s day-to-day funding.

Anthony, however, best remembers the excitement he felt as a child when his father came home from work.

“I always loved our conversations,” Anthony says. “Of course, I was eager to let him know about my life, but I also learned a lot about his work at McGovern Medical School.”

Anthony’s close relationship with his father provided a key source of support and inspiration through his formative years. After earning a degree in economics at The University of Texas at Austin and an MBA from Northwestern University, Anthony began a highly-successful career as an investment manager. As he prospered financially and began raising his own family, he never forgot the difference his father made not only in his own life, but also in the lives of others.

“As an academic and physician treating mental illness, a huge component of my father has been making the world a better place,” Anthony says. “He was a very good role model. This has certainly made me more focused on how I might contribute in some similar manner.”

In September 2019, he found a way to express his deep gratitude and appreciation for his father while changing lives in a powerful way. With a significant commitment to UTHealth, Anthony officially named the Louis A. Faillace, MD, Department of Psychiatry and Behavioral Sciences. The gift will create three endowed chairs and a scholars program—recruiting and retaining key faculty while awarding research grants to address crucial behavioral challenges.

“Mental health is a hugely important issue that is little understood,” Anthony says. “It is a health issue on par with heart disease or cancer, mainly because it strikes more people, and they are on average far younger.”

Roughly one-fifth of Americans experience some type of mental illness, with the burden falling most heavily on young adults. Suicide ranks as the second leading cause of death for Americans aged 10-34, and depression is the leading cause of disability worldwide. Mental illness also can lead to a higher risk of cardiovascular and metabolic disease, and both adults and juveniles in the criminal justice system have a higher rate of diagnosed mental illness than the population as a whole.

On Sept. 26, 2019, an unveiling ceremony marked the beginning of the renamed Louis A. Faillace, MD, Department of Psychiatry and Behavioral Sciences, a new era that Anthony says he hopes will bring great progress in a field important to his father and millions of Americans. “The goal is that these resources will help faculty pursue research in an area that affects people all around us.”
NEW ENDOWMENT APPOINTMENTS FY19 (9/1/18 – 8/31/19)

Philip C. Johnson, MD
The Carolyn and William T. DeFeoebach Distinguished Professorship
The Jerold B. Katz Family Distinguished Professorship in General Internal Medicine
Cheves and Isabella Smythe Distinguished Professorship in Medicine
Bob and Hazel Casey Chair in Biochemistry
Isabel S. and Ransom C. Lummis Family Professorship in Pediatrics
William J. Devane Distinguished Professorship
Clare A. Glassell Distinguished Chair
Opal C. Rankin Professorship in Neurology
Umprey Family Professorship in Neurodegenerative Diseases
Barrels Family Professorship in Neurology
John P. and Katherine G. McGovern Distinguished Chair
George and Mary Josephine Hamman Foundation Distinguished Professorship in Cardiovascular Research
Nancy, Clive and Pierce Rennells Distinguished Chair in Neuroscience of the Vivian L. Smith Center for Neurologic Research
Kraft W. Eidman Development Board Professorship in the Medical Sciences
Susan and Richard Anderson Distinguished Chair in Ophthalmology
Francine and Frederick Pevow Distinguished Professorship in Cardiology
John P. and Katherine G. McGovern Distinguished Chair
John and Stanford Alexander Chair in Gerontology
Harriet and Joe Foster Distinguished Professorship
Hazim J. Safi, MD, Distinguished Chair in Cardiotoracic and Vascular Surgery
John P. and Katherine G. McGovern Distinguished Chair
Nancy, Clive and Pierce Rennells Distinguished Professorship in Emergency Medicine
John P. McGovern, MD, Professorship in Oslerian Medicine
The Wulfe Family Chair in Physical Medicine and Rehabilitation
Dan and Lillie Sterling Professorship in Clinical Gastroenterology
Roy M. and Phyllis Gough Huffington Distinguished Professorship

NEW ENDOWMENTS FY19 (9/1/18 – 8/31/19)

Shavonnah Roberts Schreiber Women’s Health Endowment
The Wulfe Family Chair in Physical Medicine and Rehabilitation
Joan and Stanford Alexander Chair in Gerontology
Drs. Joseph P. and Kathleen G. Funk Endowed Scholarship in Medicine
Wang Ying-Lai Memorial Lecture
The Betty Louise Reagan Structural Heart Research and Education Fund
Emmanuel “Manny” G. Melissinos, MD Chair in Orthopaedic Surgery
Mark and Susan Papa Cardiovascular Fellowship
The ten Broeke Family Foundation Scholarship
The ten Broeke Family Foundation Professorship
Beth and Drew Cozby Endowed Fund
Louis A. Faillace, MD, Chair in the Department of Psychiatry and Behavioral Sciences (2)
Louis A. Faillace, MD, Chair in the Department of Psychiatry and Behavioral Sciences (3)
Louis A. Faillace, MD, Scholars Fund in the Department of Psychiatry and Behavioral Sciences
Adele Howell Bentsen Graduate Fellowship in Geriatric and Palliative Medicine
MD/MBE Dual Degree Program Scholarship
Dr. John F. Teichgreber Educational Endowment
Wyatt Ranches Distinguished Professorship in Geriatric and Palliative Medicine #1
Wyatt Ranches Distinguished Professorship in Geriatric and Palliative Medicine #2
Rochelle and Max Levit Chair in Orthopedic Surgery
Dan L. Duncan Distinguished University Chair in Pediatrics
Saleem Khan, MD Endowment Fund
LEXY, MCDONALD ACCEPT DISTINGUISHED ALUMNUS AWARDS

Faculty, medical students, friends, and family gathered together Oct. 18 to celebrate the career and accomplishments of Moise L. Levy, MD, ’79 and John E. McDonald, MD, MSHM, CMQ, ’82, who accepted the Distinguished Alumnus Awards during a special event at InterContinental Houston-Medical Center.

Established in 1987, the purpose of the award is to recognize outstanding contributions of alumni in the areas of medical science and education, or the prevention and treatment of diseases, as well as continued interests in McGovern Medical School and its students.

Dr. Levy was the inaugural chief of pediatric dermatology and the inaugural physician-in-chief at Dell Children’s Medical Center in Austin. He is also the chair of the Institutional Review Board and vice chair of the Undergraduate Medical Education Committee at Dell Medical School while serving on the Executive Committee for Promotions in the Department of Pediatrics. Dr. Levy is a professor of pediatrics and medicine (dermatology) at Dell Medical School and a clinical professor of dermatology at Baylor College of Medicine.

"Dr. Levy has been a dedicated educator and has mentored a long list of pediatric dermatologists who are well trained, and more importantly, were fortunate enough to develop the compassion and care that he modeled for them each day," said Dr. Levy’s nominator and fellow class of 1979 alumnus Reuben Cohen, MD. "This is not just a few lines on an impressive resume. This is about a physician who is passionate about helping others and has generously given his time and provided leadership and a caring heart to the organizations and pediatric patients they serve."

Dr. Levy credited both his father and grandfather who were physicians for challenging him to pursue medical school, but said that his mother played a key role as well. He said that she sort of grew up in the medical field and was the toughest for him to convince that he had the determination to see it through.

Dr. Levy’s class of 1979 was the final class at McGovern Medical School that was on the three-year path to graduation. Dr. Levy recalled in jest that if you missed the lecture on kidneys, then you were out of luck when it came to knowing about kidneys. Dr. Levy wrapped up his speech by thanking his family and friends for attending, including his wife, Joanie. Dr. Levy reminisced on his graduation day from the Medical School, where his mom had him put his cap and gown on his wife, because she had earned that as well.

Dr. Levy received his undergraduate degree from The University of Texas at Austin and attended McGovern Medical School where he completed a residency in pediatrics before completing his dermatology residency at Baylor College of Medicine. He also received a Certificate in Medical and Health Management from Rice University. Under his guidance, the pediatric dermatology program at Texas Children’s Hospital gained national and international recognition.

Dr. Levy has held many leadership positions in professional organizations, including his current role as the Medical Advisory Board Chair for the Foundation for Ichthyosis and Related Skin Types as well as serving as a member of the Medical Advisory Board for the Rothmund-Thomson Syndrome Foundation. He is also a director of the American Board of Dermatology. In addition, he is a strong patient and family advocate as well as mentor to many colleagues.

Dr. McDonald has been the medical director of the North Hills Hospital in North Richland Hills, Texas, since 1991, and he has served as the chief medical officer there since 2014. He was the chief of staff of North Hills Hospital in 2005 and served as the chairman of the board. He is now the chief medical officer and the medical director of the pathology department.

"In my world, there are medical staff leaders who are figure heads, and then there are those who strive for excellence and have a true passion for medical staff leadership," stated Dr. McDonald’s colleague Bonnie Conley. "This is Dr. John McDonald. During my 35 years of hospital administration, I would honestly have to rank John in the top 1 percent of all medical staff leaders I’ve had the pleasure of working with. He’s well deserving of this award."

Dr. McDonald said it was humbling to think that of over 8,000 graduates of McGovern Medical School that had only been 35 who have received the Distinguished Alumnus Award. He said he remembered how the Medical School just felt like the right place from the start and reminisced how Betty Murphy, the school’s registrar at the time, had memorized each of the 150 incoming medical students’ names before the first day.

Dr. McDonald fondly remembered one of the Medical School’s oldest traditions, the Henry Strobel Retreat, and how his class of 1982 was one of the first to experience it. Dr. McDonald remarked on what a great mentor Dr. Strobel was and how retreat established lifelong friendships between him and his classmates.
He shared a story of one of his worst days as a medical student. He said he had worked a tough, 24-hour shift in the Memorial Hermann emergency room before finding out about an error with his loan money when arriving at the bank the following day. From there, he decided to go home only to find his bicycle had been stolen. To make matters worse, while trudging home through the Houston heat, a surprise rain shower capped off his terrible day.

“But despite that day, there were a lot of great ones,” Dr. McDonald said. “Far more great ones than there were bad ones. I strongly believe that education is not something you are given. It is something that you get through with hard work and effort. So, I appreciate very much the opportunity that I was given to come here and put in my hard work and effort to get my education.”

Dr. McDonald received his undergraduate degree from Texas Christian University before attending McGovern Medical School. Following medical school, he completed residencies in anatomical and clinical pathology (AP/CP) at the Kansas University Medical Center in Kansas City, Mo., and The University of Texas Southwest Medical Center in Dallas. McDonald also earned a master of science in healthcare management from The University of Texas at Dallas in 2013.

Dr. McDonald currently serves on a dozen medical staff committees at Medical City North Hills Hospital, including the Leadership Council and the Quality Council, which he currently serves as chair. He has held chair positions on each of the Board of Trustees, Medical Executive Committee, Credentials Committee, and Bylaws Committee.

Moise L. Levy, MD, ’79 (left) and John E. McDonald, MD, MSHM, CMO, ’82 (right) receive their McGovern Medical School Distinguished Alumnus Awards Oct. 18, 2019, from Priscilla J. Alfaro, MD, ’89, Alumni Association president.
The Department of Anesthesiology is committed to excellent clinical care of perioperative and critically ill patients and patients requiring interventional pain treatment. We also provide a wide array of training opportunities for anesthesia residents, fellows, and advance practice providers and perform cutting-edge research in the field of perioperative medicine.

Our diverse faculty provide clinical expertise at multiple sites in both ambulatory and inpatient settings, including Memorial Hermann-Texas Medical Center, Memorial Hermann Ambulatory Surgery Center, the Memorial Hermann Heart and Vascular Institute, Memorial Hermann Southwest Hospital, Lyndon Baines Johnson General Hospital, the UTHealth School of Dentistry at Houston, as well as in specialized pain management clinics.

Our residency training program is one of the largest anesthesiology training programs in the country, with 24 clinical base-year spots and 27 clinical anesthesia spots per year. Our residents’ training begins with a clinical base year, offering broad experience in both medicine and surgery. Fellowships are available in Cardiovascular, Critical Care, Neuro, Pediatrics, Regional, and Trauma Anesthesia.

Clinical research is being performed in airway management, coagulation abnormalities, as well as cardiac, critical care, pediatric, obstetric, regional, and trauma anesthesia. During the past year, we launched the building of a new translational research center called the "Center for Perioperative Medicine," where cutting-edge research is performed to understand inflammatory responses triggered during surgery, infection, ischemia, and reperfusion injury. Through our research, we hope to identify novel pharmacologic approaches to treat or prevent organ injury, train the next generation of scientists, and perform collaborative research.

Our basic science research team has expanded in number. We have increased our laboratory-based research platform with multiple R01 grants and other federal grants, which generate about $2M in annual funding to McGovern Medical School. Our most recent cutting-edge basic science research focuses on the inflammatory responses in acute and chronic liver diseases. Our studies in cell and animal models seek to identify mechanistic strategies to prevent and treat these liver abnormalities.

We also are conducting research on the role of hypoxia-elicited adaptive responses during organ injury and its corresponding signaling pathways, which may lead to novel pharmacologic approaches to prevent or treat acute organ injury in surgical patients. As an incentive to engage our residents in translational research, our department offers training grants and fellowships to promote this opportunity.

As a basic science department in a research-intensive medical school, the major mission of the Department of Biochemistry and Molecular Biology (BMB) is to conduct innovative and important multidisciplinary biomedical research. The research activities of the BMB faculty are built on the premise that biochemistry is the molecular basis of life. This premise is evident in the research programs of each of our faculty members who share a common goal of understanding the molecular mechanisms responsible for biological function. BMB is host to a diverse array of research programs ranging from atomic resolution studies of molecular machines, to mouse models of human disease and translational studies with our clinical colleagues. Basic biomedical research is conducted in cell biology, structural biology, biophysics, gene regulation, membrane biology, neurobiology, and circadian biology. Preclinical and translational research is carried out in areas of pulmonary disease, Alzheimer’s disease, diabetes, obesity, metabolic syndrome, bioinformatics, optogenetics, and cancer. The fundamental mechanistic approaches taken by our faculty provide real meaning to the term “molecular medicine.”

BMB faculty members constitute a well-funded community of curiosity-driven scientists conducting significant and innovative research on many frontiers. We enjoy our diversity and thrive on the interdisciplinary research opportunities that our diversity provides. Because our research is not restricted by arbitrary thematic boundaries, we are free to take our research activities in new directions when opportunities arise or when our curiosity drives us there. Because we have no thematic boundaries, we are able to recruit faculty members in emerging areas of research that appear to have promising future potential. The research findings of our faculty are routinely published in journals of the highest esteem.

BMB is home to three research centers (Structural Biology Imaging Center, Center for Membrane Biology, and Pulmonary Center of Excellence) that represent areas of research excellence within the department. Of particular note, the Structural Biology Imaging Center recently installed a new Titan Krios cryo-electron microscope, capable of providing near-atomic resolution structures of complex biological molecules. Overall, the research activities of the BMB faculty provide an atmosphere of discovery and learning that enriches medical and graduate school educational activities.

| FACULTY | 96 |
| RESIDENTS | 80 |
| INTERNS | 26 |
| FELLOWS | 15 |
| RESEARCH | $1,784,000 |

| FACULTY | 34 |
| GRADUATE STUDENTS | 11 |
| FELLOWS | 24 |
| RESEARCH | $12,485,000 |
Our faculty care for patients at Memorial Hermann Heart & Vascular Institute and are world leaders in the treatment of heart and blood vessel problems, including heart valves, heart blood supply, and blood circulation throughout the body.

Our innovative techniques have resulted in critical advancements in the repair of dangerously enlarged blood vessels – preventing rupture and significantly improving outcomes. Surgeons of the department have been leaders in the field of aortic surgery for three decades, developing and perfecting all aspects of aortic disease management. Procedures involve clinical investigation with the goal of optimizing techniques of repairs of the ascending, transverse, arch, and thoracoabdominal aorta. Refinement in techniques are being investigated to provide multiorgan protection. Also, we have first-class thoracic surgeons dedicated to thoracic diseases, benign and malignant; esophageal; lung; and mediastinal disease; in addition to minimally invasive experts and those who specialize in the most advanced structural heart therapies (TAVR). Our surgeons operate all over the world and maintain collaborative clinical, research, and training programs in England, Germany, and China.

Our department maintains an active portfolio of clinical research, with 32 clinical trials currently underway, many of which involve national leadership roles for department faculty. Several of our faculty also collaborate actively with the educational and research programs of McGovern Medical School’s Center for Clinical Research and Evidence-Based Medicine in teaching and mentorship programs as well as in the administration of the NIH-funded KL2 program in connection with the Center for Clinical and Translational Sciences. We sponsor three ACGME-accredited fellowship programs – two in vascular surgery and one in cardiothoracic surgery, and we maintain other educational programs, including a fellowship in aortic disease and structural heart surgery. Several of our faculty have major leadership roles in UTHealth and Memorial Hermann research and healthcare quality initiatives, where substantial improvements in clinical outcomes have been demonstrated in cardiothoracic and vascular and aortic surgery. We are active in national quality initiatives, including the Society of Thoracic Surgeons, Society for Vascular Surgery, and UHC/Vizient quality initiatives.

| FACULTY | 20 |
| RESIDENTS | 9 |
| FELLOWS | 2 |
| RESEARCH | $89,000 |

*Excludes MD Anderson
The Department of Diagnostic and Interventional Imaging is a community of physicians, scholars, and educators who are leaders in innovative, evidence-based, personalized imaging, and image-guided procedures. Our achievements are possible because of our strong affiliations with our primary teaching hospitals, Memorial Hermann Hospital-Texas Medical Center and the Harris Health Lyndon B. Johnson General Hospital. Our mission is to 1) deliver efficient, high quality, subspecialized, team-based care focused on the needs and values of the patient, 2) conduct innovative basic science, translational, and clinical, and quality improvement research to advance patient care, and 3) educate and engage current and future radiologists, imaging scientists, and non-radiologist physicians.

The faculty consists of a diverse group of highly specialized diagnostic and interventional radiologists who work in a collaborative and collegial manner to accomplish our goals. Highest clinical quality is fostered and maintained by a robust quality improvement program that emphasizes optimal patient safety and patient experience. We work closely with all clinical service lines within UTHealth to ensure exceptional patient outcomes through accurate diagnoses and prompt state-of-the-art interventional procedures.

Our faculty are engaged in education of physicians and other health care workers at all levels, including medical students, allied health school students, residents, fellows, and practicing physicians. Our training programs not only capitalize on the broad educational opportunities at our affiliated teaching hospitals but also benefit by sharing residency and fellowship training programs with other internationally recognized radiology departments, including MD Anderson Cancer Center and Texas Children’s Hospital. Together we offer a premier teaching environment staffed by an internationally recognized faculty.

World-class research in advanced imaging and image-guided interventions is conducted by the imaging scientists and clinical investigators of DII. Advanced MRI techniques in multiple sclerosis and stroke, use of deep learning networks for improved brain imaging, advanced digital data archiving system development, identification of biomarkers for liver tumors, and imaging of health effects of low gravity environments on NASA astronauts are some of the current research focuses of our faculty. Our faculty also participate in sponsored and investigator-initiated clinical trials: evaluating differences between 2D and 3D mammograms, a novel treatment for burstitis, improvement in the evaluation of potential child abuse through the use of imaging, evaluation of new interventional devices, and others. There are also active 3D printing projects within the department, one with the UT fetal center utilizing MRIs and 3D ultrasound machine and another with MSIT and SBMI. Additionally, we are engineering virtual platforms that hosts different vendors to live on the same virtual ecosystem utilizing iGel technology, a secure access cloud workspace. Lastly, we are in collaboration with SBMI on a MRI safety project utilizing MRI/CT implantable device to develop an algorithm.

The Department of Emergency Medicine strives to push the boundaries in clinical excellence, research, education, and service to Texas.

Our diverse team of physicians and advanced practice clinicians, educators, and scientists provide state-of-the-art medicine to Houston and surrounding communities. We focus on saving lives and improving care in the prehospital, emergency department, and in-hospital environments. Our faculty are leaders at our partner hospitals (Lyndon B. Johnson Hospital and across the Memorial Hermann System) and promote the advancement of adult and pediatric emergency medicine and hospitalist medicine across the region and nationally. Our mantra is "high-quality care" for everyone throughout our health systems. We serve as medical directors at numerous EMS agencies and the Life Flight air ambulance service, working to strengthen the chain of survival for adult and pediatric major trauma, cardiovascular, neurologic, and other life-threatening emergencies.

Our Acute Care Service Line, staffed by our Hospitalist Section, provides high-quality care to patients admitted to the Medicine, Orthopedics, Trauma, Neurology, and Cardiovascular service lines. We are the first Geriatric Accredited Emergency Department in Houston and have special geriatric in-hospital care programs. We provide consultation to all service lines at Memorial Hermann-Texas Medical Center, at TIRR Memorial Hermann, and the Memorial Hermann Orthopedic and Spine Hospital. The Hospitalist Division are leaders on numerous clinical and teaching programs, including the Ultrasound Curriculum and the Leadership in Medicine Track.

Our department houses the Texas-Cardiac Arrest Registry to Enhance Survival (Texas-CARES) Program – a partnership of 9-1-1 centers, EMS agencies, municipal fire departments, hospitals, university researchers, and the public at large that engages all links in the chain of survival activated when someone suffers an out-of-hospital cardiac arrest (OHCA). Through standardized collection of vital prehospital and hospital data, the program promotes a comprehensive surveillance system allowing communities to measure and improve their OHCA care. We also host the Texas Emergency Medicine Research Center (TEMRC), which works synergistically with scientists in basic science and clinical departments across the UTHealth campus. A hub of world-class research and innovation, the TEMRC fosters clinical-translational science that improves access to high-quality care across the state of Texas, while mitigating disparities in care and patient outcomes. In addition to research that enhances emergency care, the center pursues projects that improve population health and innovations that bring us closer to the groundbreaking treatments of tomorrow.

The department’s commitment to educating the next generation of emergency medicine and acute care leaders is reflected in residency and fellowship programs that match the country’s best. We are passionate and devoted to providing the best medical student clerkship experience. Our residency program is one of the nation’s largest and most diverse, and fellowships in Ultrasound, Pediatric Emergency Medicine, Emergency Medical Services, Quality, and Education offer superb specialty training for the emergency physicians of tomorrow.

DEPARTMENT OF DIAGNOSTIC & INTERVENTIONAL IMAGING
Susan John, MD
Professor and Chair
J.S. Dunn Distinguished Chair in Radiology

DEPARTMENT OF EMERGENCY MEDICINE
Bentley Bobrow, MD, FAHA, FACEP
Professor and Chair
John P. and Katherine G. McGovern Distinguished Chair

FACULTY ................................................................. 74
RESIDENTS ............................................................ 54
FELLOWS ............................................................... 14
RESEARCH ......................................................... $234,000

FACULTY ................................................................. 64
STAFF PHYSICIANS ................................................ 35
RESIDENTS ............................................................ 58
FELLOWS ............................................................... 7
RESEARCH ........................................................... $1,511,000
The Department of Integrative Biology and Pharmacology (IBP) is interested in the cell biology, physiology, and pharmacology of cell regulation and communication.

Our major research themes include the molecular mechanisms and spatiotemporal dynamics of membrane signaling; intracellular and metabolic signaling; the biology and physiology of cell-cell interactions; and the use of computational, structural, and systems approaches to decipher signaling networks.

These efforts are aimed at understanding how normal and abnormal cell function translates into whole animal physiology and pathophysiology, and exploring the molecular pharmacology of existing and novel therapeutics.

In this context, IBP has research programs in cancer cell biology, cardiovascular biology, tissue regeneration, and plasticity (especially in nerve and muscle), and neuronal signaling in injury, inflammation, and pain.

Members of the IBP faculty teach Physiology and Pharmacology to medical students and actively participate in four Graduate School programs: Biochemistry and Cell Biology, Cancer Biology, Neuroscience, and Therapeutics and Pharmacology. We also participate in the Center for Membrane Biology within the McGovern Medical School and in several training grants, including those in Interdisciplinary Pharmacological Scientists and Computational Cancer Biology.

We have a diverse faculty and staff committed to excellence in patient care, teaching, research, and community service. Our faculty are involved in a wide range of activities, including medical student education and family medicine residency training. Departmental faculty are involved in all four years of medical education and serve as role models for future physicians.

We deliver high-quality comprehensive family care, including screening and prevention of disease and ambulatory procedures, such as colonoscopy, exercise stress testing and exercise prescription, vasectomy, and skin procedures in both ambulatory and inpatient settings that include multiple UT Physicians and Harris Health System locations. Our faculty and residents provide low-risk maternity care, care for newborns and children, as well as adult medical care covering a wide spectrum of common diseases. Several faculty have special expertise in geriatrics, sports medicine, and skin conditions. Faculty and residents provide inpatient management of patients at both Memorial Hermann-TMC and LBJ General Hospital.

We have 36 residents who train in both the urban underserved on private and not-for-profit facilities. Residents are trained to use current evidence-based approaches to provide the best medicine in the context of the patients’ needs, their families, and their community.

We offer Primary Care Sports Medicine Fellowship in conjunction with the Department of Orthopedic Surgery that provides experiences in multiple settings, including field and training room experiences for high school and collegiate athletes and large community sporting events. Residency graduates have an opportunity to obtain additional training in a Geriatrics Fellowship Program in conjunction with the Department of Internal Medicine.

Our Harris Health System Community Health Program coordinates medical services, educational activities, research, community outreach, and health profession interdisciplinary endeavors at 10 sites in the community, delivering medical care to the medically underserved of Harris County.

The UTP Community Based Clinics offer excellent patient care in 13 ambulatory sites throughout the Houston area provided by faculty and staff physicians.

The department maintains an active research portfolio of externally funded research programs, focusing on the impact of health behavioral change and clinical research.

FACULTY ................................................................. 81
STAFF PHYSICIANS ........................................... 14
RESIDENTS ......................................................... 36
FELLOWS .......................................................... 2
RESEARCH .......................................................... $1,072,000
McGOVERN MEDICAL SCHOOL

The Department of Internal Medicine strives to improve the quality of health care through excellence in the education of students, residents, physicians, and the public; the advancement of biomedical knowledge through discovery, integration, and translation to the clinical setting; and the provision of state-of-the-art comprehensive, compassionate, and accessible patient care.

The department has undergone exponential growth over the last few years in basic and clinical research, as well as in clinical patient care, to become one of the largest academic departments of medicine in the country.

The scope of our department is best illustrated through our 15 divisions, Cardiovascular Medicine; Center for Clinical and Translational Sciences; Critical Care; Endocrinology and Diabetes; Gastroenterology and Hepatology; General Internal Medicine; Geriatric and Palliative Medicine; Hematology; Hyperbaric Medicine; Infectious Diseases; Medical Genetics; Oncology; Pulmonary and Sleep Medicine; Renal Diseases and Hypertension; and Rheumatology.

The department’s clinical services span the continuum of primary care to subspecialty care. Excellent clinical care is provided at UT Physicians-Texas Medical Center, Bellaire, Sienna, Cinco Ranch, Greens, Heights, Dashwood, Victory, Hermann Medical Plaza, Park Plaza Clinics, and Bayshore; Memorial Hermann-Texas Medical Center; Memorial Hermann Northeast; Memorial Hermann Southeast; Memorial Hermann Southwest; TIRR Memorial Hermann; Memorial Hermann Cypress; Memorial Hermann Greater Heights; and Lyndon B. Johnson General Hospital.

During the past year, we have achieved a 10-year recertification of all of our training programs, obtained numerous new research grants from the National Institutes of Health and other national research funding agencies, and grown our clinical enterprise into 37 off-site clinics in Greater Houston and the surrounding areas from College Station down into Corpus Christi and South Texas in Brownsville/Cameron County.

Despite the rapid changes in health care today, the Internal Medicine faculty and staff remain doggedly devoted to excellent service to our patients, to providing meaningful educational experience to trainees, and to strive for new discoveries that advance science.

Faculty: 238
Staff: 270
Residents: 166
Fellows: 108
Research: $27,000,000

The faculty of the Department of Microbiology and Molecular Genetics are highly committed to excellence in research and education. The nationally recognized discovery research program of the department has five areas of excellence: cell cycle and development, gene regulation, host-pathogen interactions, microbial stress response, and molecular machines. Investigations include a wide variety of disease-causing and environmental bacteria, fungi, and parasites.

In addition to its strong research program, the department provides didactic and experiential training to medical students, graduate students, and postdoctoral fellows. The department is home to the Graduate Program in Microbiology and Infectious Diseases, a model program of the Graduate School of Biomedical Sciences. Many departmental faculty participate in the Molecular Basis of Infectious Diseases T32 Training Grant funded by the National Institute for Allergy and Infectious Disease.

During the past year, the department welcomed a new faculty member, Dr. Jennifer Walker. Dr. Walker has a joint appointment with the UTHealth School of Public Health. Her research is focused on understanding the host-pathogen interactions that dictate the onset, course, and outcome of chronic infections. She is a recipient of a University of Texas Rising STAR Award. Dr. Michael Lorenz, a full professor in the department, received the McGovern Outstanding Teacher Award bestowed by students of the MD Anderson UT Health Graduate School of Biomedical Sciences.

Faculty: 18
Graduate Students: 15
Fellows: 19
Research: $7,142,000
Normal functioning of the brain is critical for every aspect of life. It can be robbed by diseases like memory disorders, stress-related disorders, and neurodegenerative diseases. In order to understand how the brain carries out various functions and how aging and diseases alter brain integrity, faculty in the Department of Neurobiology and Anatomy are engaged in multiple areas of research, including cellular and molecular neuroscience, computational neuroscience, systems and cognitive neuroscience, brain injury, and neurodegenerative diseases. It is our hope that understanding brain function at the cellular and molecular levels and identifying the mechanisms underlying brain diseases will pave the way for discovery of novel therapies to treat various brain disorders. Faculty also train medical, graduate and undergraduate students.

In the 2018-2019 academic year, our faculty received several research grants and subcontract awards to conduct cutting-edge neuroscience research. Dr. John Redell received a grant from the TIRR Foundation. Drs. Redell, Pramod Dash and Badrinath Roysam, of the University of Houston, were awarded an NIH grant to comprehensively document cellular changes following brain injury using machine learning. Drs. Dash and Charles Cox, Jr., of Pediatric Surgery, were awarded a grant from the National Center for Advancing Translational Sciences. Drs. Valentin Dragoi, Anthony Wright and Behnaam Aazhang, of Rice University, were the recipients of a multi-PI NIH grant to perform large-scale recordings from the brain. MD/PhD student Natasha Kharas was awarded an NRSA Fellowship. In the arena of scholarship, our faculty authored papers in Brain Research Bulletin, European Journal of Neuroscience, eNeuro, Experimental Neurology, Learning and Memory, Nature Communications, Nature Neuroscience, Neuron, Journal of Neurotrauma, Journal of Theoretical Biology and Scientific Reports.

Our faculty also served the larger neuroscience community. Dr. Nachum Dafny was invited as a keynote speaker for the World Congress on Advances in Addiction Science and Medicine held in London. Dr. Fabrizio Do Monte served as chair of a scientific symposium at the 10th International Brain Research Organization conference, held in Daegu, South Korea. Dr. John Byrne served as a member of the NIH Learning and Memory Study Section. Dr. Dragoi served as a member of the NIH Sensory and Motor Neuroscience and the NIH BRAIN Initiative Study Section. Dr. Shin Nagayama served as reviewing editor for Frontiers in Neuroscience. Dr. Dash served as an editor of the Journal of Neurotrauma. Dr. Len Clevy received the UTHealth President’s Scholar Award for Teaching and Dr. Han Zhang received McGovern Medical School’s John H. Freeman Award for Faculty Teaching for the sixth time.

FACULTY .............................................................. 25
FELLOWS ............................................................ 6
RESEARCH .......................................................... $6,385,000

Neurological disorders are a leading cause of disability in our community. Our dedicated team of physicians treat all conditions and diseases involving the central and peripheral nervous systems, from migraine, multiple sclerosis, movement disorders, stroke, neuromuscular diseases, and cognitive disorders. Our researchers are committed to discovering novel treatments to help improve quality of life for those who are affected by neurological diseases. Our central mission is to provide the best clinical care in an environment that emphasizes academic excellence, exemplary patient care, and collaboration.

Building on the framework provided by the Texas Comprehensive Epilepsy Program and in collaboration with UTHealth Neurosciences, the Texas Institute for Restorative Neurotechnologies (TIRN) integrates clinical care, research, and academic training to provide quality patient care and explore innovative therapies for functional neurosurgical disorders, brain-machine interfaces, neuroinformatics, big data, and precision neurological therapies.

The Institute for Stroke and Cerebrovascular Diseases supports highly successful research in acute stroke treatments and develops new areas of research in stroke recovery, prevention, health services, population health, and vascular cognitive impairment. The UT Telemedicine Program continues to expand and is considered one of the leading programs in Southeast Texas.

The Interventional Endovascular Division, in collaboration with UTHealth Department of Neurosurgery and Memorial Hermann-Texas Medical Center, performs emergent stroke thrombectomy services at MD Anderson and four Memorial Hermann locations – MH Texas Medical Center, MH Southwest, MH Memorial City, and MH The Woodlands.

The Multiple Sclerosis Research Group focuses on fundamental and applied research approaches in neuroimmunology and advanced magnetic resonance imaging. In addition to a busy clinical practice, the group participates in clinical trials and conducts basic and translational research.

The Neuromuscular Program is a designated Center of Excellence for GBS and CIDP. Our muscle and nerve pathology laboratory is CAP/CLIA certified and EMG laboratory is AANEM accredited.

The Movement Disorders Division (UTMOVE) provides comprehensive diagnostic and state-of-the-art medical and surgical therapeutic programs for patients with Parkinsonian diseases, tremor, dystonia, ataxia, and traumatic brain disorders. Providing an elite team approach to Huntington’s disease care and research, we are the only HDSA Center of Excellence in Texas.

Our Neurocognitive Disorder Center includes a multidisciplinary clinical diagnostic and treatment program with groundbreaking research in cognitive disorders and dementia. Specializing in the neuropsychological evaluation of a broad range of acquired central nervous system disorders, the Neuropsychology Program provides cognitive rehabilitation and psychotherapy to enhance cognitive functioning and to help patients cope with neurological disability.

FACULTY .............................................................. 81
RESIDENTS AND FELLOWS ............................................. 51
RESEARCH .......................................................... $24,110,000
Our department has undergone substantial growth over the last few years, with expansion of both general obstetrics, gynecology, and subspecialty practices across the Greater Houston area, as well as an increased academic footprint within the Texas Medical Center.

Subspecialty services include Gynecologic Oncology, Female Pelvic Medicine and Reconstructive Surgery, Maternal-Fetal Medicine, and Fetal Intervention.

Our physicians provide services and care across the Memorial Hermann Health System as well as at Lyndon B. Johnson General Hospital, The Woman’s Hospital of Texas, St. Joseph Hospital, and Cypress Fairbanks Medical Center.

Our faculty offer special expertise to women across their lifespan, including minimally invasive and robotic surgery. Our gynecology sub-specialists are experts in gynecologic oncology and female urology. Our high-risk pregnancy specialists care for women with underlying medical complications, multiple gestations, and fetal abnormalities. The department also includes The Fetal Center, where our fetal medicine physicians perform fetal surgery, including selective laser photocoagulation of placenta vessels in treatment of twin-twin transfusion syndrome, in utero repair for spinal bifida, as well as treat fetal medical conditions requiring intrauterine transfusion.

The educational program includes medical student rotations for third- and fourth-year students, OB/GYN residency program, and fellowships in maternal fetal medicine, fetal intervention, and OB/Gyn hospitalist.

Research within the department is a combination of basic and translational sciences and patient-oriented research.

FACULTY .......................... 37
RESIDENTS AND FELLOWS ..................... 25
RESEARCH .......................... $7,875,000

FACULTY .......................... 81
RESIDENTS .......................... 48
FELLOWS (MATERNAL FETAL MEDICINE) ............. 10
FELLOWS (HOSPITALIST) .................. 2
RESEARCH .......................... $1,623,000
The Ruiz, MD, Department of Ophthalmology and Visual Science provides a full complement of inpatient and outpatient clinical services through its primary teaching facilities: the Cizik Eye Clinic, Memorial Hermann-Texas Medical Center, Children’s Memorial Hermann Hospital, Lyndon B. Johnson General Hospital, Settegast Community Health Center, Baytown Community Clinic, and Acres Home Community Health Center. Our physicians also provide outpatient care at UT Physicians Cinco Ranch.

The ophthalmic subspecialties represented in the Cizik Eye Clinic include ophthalmic plastic, reconstructive, and orbital surgery; corneal and external disease, refractive surgery, glaucoma, retina, vitreous, and uveitis; pediatric ophthalmology; and neuro-ophthalmology. All of the physicians at the Cizik Eye Clinic are faculty members in the department, are board certified by the American Board of Ophthalmology, and are on the medical staffs of numerous facilities, most notably that of Memorial Hermann-Texas Medical Center.

In addition to clinical care, ophthalmology and visual science faculty are at the forefront of research into anatomy and physiology of the eye as well as the causes and treatments of ocular disease. The department is known as a leading center for the design and development of clinical trials in ophthalmology.

The Department of Ophthalmology and Visual Science is involved in the education of undergraduate, graduate, and post-graduate students as well as residents and fellows in a variety of fields of medicine.

**FACULTY** ................................................................. 27
**FELLOWS** ............................................................... 1
**RESIDENTS** ........................................................... 12
**RESEARCH** ............................................................. $2,434,000

The Departments of Orthopedic Surgery continues to grow as the dominant provider of orthopedic care in the Greater Houston area and beyond. Our collaborative interactions with the McGovern Medical School provides a platform for us to be a national leader in translational research, physician training, and clinical outcomes.

The Center for Orthopedic Research, Innovation and Training (CORIT) is directed by Philip Noble, PhD, nationally and internationally recognized for innovations in arthroplasty biomechanics leading to new designs. Other contributions include ex vivo and finite element analysis modeling of tissues and implants, cadaveric simulation of joint function, and the use of joint registries and patient-reported outcome measures to assess the impact of these developments.

Payam Zandiyeh, PhD, is directing biomotion laboratories that use advanced 3D imaging (biplane ray system) to assess in vivo bone and joint biomechanics, and advance musculoskeletal modeling. The research in these labs focuses on evaluating the efficacy of novel surgical, pharmaceutical, and physiotherapy treatments to mitigate bone and joint disorders aimed at improving orthopedic care.

Catherine Ambrose, PhD, directs the Bone Heald Laboratory, which studies bone health and the impact of diseases on bone quality. In addition, the lab focuses on determining the effects of disease (osteomyelitis), the environment, and medications (diabetic therapy) on bone. Collaboration with bone health clinicians provides an excellent opportunity to integrate the results from this laboratory into clinical practice.

Mariane Martinez, PhD, and Steven Warner MD/PhD, are starting an NIH and Center for Clinical and Transitional Sciences-funded program on muscle injury and repair. This is a collaborative program with Rebecca Berdeaux, PhD, of the department of Integrative Biology and Pharmacology.

Orthopaedic trauma continues as a leading site in the Major Extremity Trauma and Rehabilitation Consortium (METRC) under the local leadership of Danielle Melton, MD; Stephen Warner, MD/PhD; and Joshua Gary, MD. More than 1,700 patients have been enrolled across 20 multicenter studies to address gaps in the care of patients with musculoskeletal injury. EMS-BinD, a $4 million multicenter study of pelvic ring injuries and pelvic binder placement, has started enrollment and is led nationally by Dr. Gary.

In collaboration with Dr. Bruce Tai of Texas A&M, Drs. Catherine Ambrose and James Kellam have been awarded an Orthopaedic Research and Education Foundation and American Board of Orthopaedic Surgery grant to develop a simulation system to train surgeons in the proper technique of drilling and screw insertion.

The department is committed to the development of a world class graduate medical educational program. Our 27 residents are educated by competent trained faculty who have a large clinical volume providing each resident with the necessary knowledge, surgical skills, and clinical opportunities. Our fellowships are recognized for providing expertise and knowledge to the national and international orthopedic community by subspecialized training in: Orthopedic Trauma, Sports Medicine, Foot and Ankle, Adult Reconstruction and Orthopaedic Oncology.

**FACULTY** ................................................................. 77
**STAFF PHYSICANS** .................................................... 12
**RESIDENTS** ........................................................... 82
**FELLOWS** ............................................................... 28
**RESEARCH** ............................................................. $930,000

YEAR IN REVIEW
The Department of Otorhinolaryngology–Head and Neck Surgery focuses on the care of patients with complex diseases and disorders of the ears, nose, and throat and neck, and related structures. The department’s full-time faculty members provide world-class patient care and participate in a variety of academic activities for education and research. Their knowledge and expertise has earned them regional, national, and international recognition.

The Department of Otorhinolaryngology–Head and Neck Surgery’s mission is to provide the best possible ear, nose, and throat care for our patients. The department’s clinical offices are located in the Texas Medical Center, Greater Heights, Southeast Houston, and The Woodlands. Patient care is provided at Memorial Hermann Medical Plaza, Memorial Hermann-Texas Medical Center, Children's Memorial Hermann Hospital, Memorial Hermann-Southeast, Memorial Hermann Greater Heights, Memorial Hermann-The Woodlands Medical Center, and Memorial Hermann-Pearland.

Specialized programs within the department include the Texas Sinus Institute, the Texas Skull Base Physicians, the Texas Voice Performance Institute, and the Texas Center for Facial Plastic Surgery. In addition, the department has established programs for audiology, pediatric ENT, otology, ENT sleep disorders, and head and neck surgery. In 2020, the Texas Center for Facial Plastic Surgery opened a medi spa that offers a full suite of facial aesthetic services.

The department sponsors a robust educational program, which includes an otolaryngology residency training program, as well as two clinical fellowships (rhinology and facial plastic surgery). The department’s CME programs include Otorhinolaryngology Frontiers and Texas Hill Country ENT Symposium, and departmental grand rounds. In addition, the department publishes ORL Notes, its monthly e-newsletter.

The department conducts clinical trials work for advanced therapeutics in the treatment of chronic rhinosinusitis, and its basic science program is focusing on the mechanisms that drive chronic rhinosinusitis, with a focus on allergic fungal rhinosinusitis. In addition, the department’s faculty members participate in many other projects in all areas of otorhinolaryngology.

FACULTY ................................................................. 17
RESIDENTS ............................................................ 11
FELLOWS .............................................................. 2
RESEARCH ......................................................... $125,000
The Department of Pediatric Surgery was established in 2007.

The department has seven divisions: General & Thoracic Surgery, Neurosurgery, Plastic & Craniofacial Surgery, Urology, Cardiovascular Surgery, Acute Care Practitioners, and Regenerative Medicine. Our divisions are composed of outstanding clinicians and researchers whose skills and expertise cover all major areas of pediatric surgery and different fields of scientific investigation.

We provide educational opportunities for students and residents in many areas. Residents in most of the core surgical training programs receive their pediatric training in one of the divisions. There is also an ACGME training program in pediatric surgery. The goal of the pediatric surgery residency training program is to prepare residents to become safe, qualified, and board-certified pediatric surgeons and to be the teachers, researchers, and future leaders in the field of pediatric surgery.

The UTHealth pediatric surgical team partners with the Children’s Memorial Hermann Hospital (CMHH), the Children’s Cancer Hospital at MD Anderson, HarrisHealth/LBJ Hospital, and Woman’s Hospital. We offer emergency and continued care for pediatric trauma patients from our Level 1 pediatric trauma facility based at CMHH. Our research programs include multiple Phase I and Phase II clinical trials and research in cellular therapies, gut function, and hospital safety. We have other research programs in pediatric brain tumors, advanced neural imaging and new techniques for management of cleft lip and palate.

The mission of the McGovern Medical School Department of Pediatrics is to provide the highest quality medical care for infants, children, and adolescents; to advance knowledge in biomedical and behavioral sciences through the expansion of our research programs; and to provide excellence and innovation in the training of students, residents, fellows, and physicians.

As one of the sites for the National Institutes of Health Neonatal Research Network, our faculty have contributed to major advances in the care of newborn infants. Investigators with the Department’s Pediatric Research Center (PRC) are involved in clinical, basic, and translational research. To accomplish this mission, the PRC sponsors seminars, grant review sessions, an annual retreat, and produces a bi-monthly newsletter.

The department’s specialized centers include the Center for Clinical Research and Evidence-Based Medicine, which promotes high-quality clinical research and research training. The goal of our Children’s Learning Institute is to be the pre-eminent source for proven clinical and educational programs covering early childhood through late teens. The department also directs the Forensic Assessment Center Network whose mission is to correct the disparities in Texas in the availability of quality medical assessment for suspected victims of child abuse and neglect and to improve the outcomes for all Texas child abuse victims.

The department’s three-year pediatric residency training program educates future pediatricians in both general and subspecialty care across a variety of inpatient and outpatient sites. Advanced fellowship training is offered in the disciplines of Adolescent Medicine, Child and Adolescent Neurology, Child Protection, Critical Care, Endocrinology, Gastroenterology, Infectious Diseases, Interventional Pediatric Cardiology, Neonatology, Nephrology, Palliative Care, Pediatric Cardiology, and Pulmonology.

Exceptional inpatient care is provided at Children's Memorial Hermann Hospital, Lyndon B. Johnson General Hospital, and Shriners Hospital. Outpatient general and subspecialty care is provided at multiple locations around Houston.
The Department of Physical Medicine and Rehabilitation (PM&R) is dedicated to providing outstanding health care in the areas of musculoskeletal and pain medicine, electrodiagnosis, and rehabilitation of persons with spinal cord injury, traumatic brain injury, stroke, multiple sclerosis, and other neurologic and medical conditions, in Houston and the surrounding community.

We are dedicated to the training, education, and research in these areas in cooperation with TIRR Memorial Hermann and the Memorial Hermann Rehabilitation Network, Memorial Hermann Orthopedic & Spine Hospital (MHOSH), the Lyndon B. Johnson General Hospital, MD Anderson, and Shriners Hospital for Children.

The department also is committed to providing the highest quality of graduate and postgraduate training for future physiatrists, as well as disability and rehabilitation management for medical students.

The PM&R department operates the NeuroRecovery Research Center based at TIRR Memorial Hermann. The faculty direct various laboratories in this center, including the UTHealth Motor Recovery Laboratory, the Center for Wearable Exoskeletons, Rehabilitation Robotics, Neuromodulation and Neural Interfaces, Neuromyo-engineering, and Neurorehabilitation.

The faculty are dedicated to discovering novel methods of enhancing functional recovery from neurological and physical disorders, such as stroke, spinal cord injury, and traumatic brain injury and their rapid clinical translation.

Faculty members are recognized leaders in international and national PM&R and multi-specialty organizations and have been strong advocates for persons with disabilities.

FACULTY ................................................................. 31
RESIDENTS ............................................................. 16
FELLOWS .............................................................. 2
RESEARCH ............................................................ $888,000

The Department of Psychiatry and Behavioral Sciences is dedicated to the mission of education, research, and patient care. Each year we train students, residents, and fellows of today to become the mental health care leaders of tomorrow – whether in public or private sectors, in solo or group practice, as researchers, educators, or clinicians. Our training totals more than 1,650 students and 175,000 hours of education annually, including specialties in psychiatry, psychology, mental health nursing, and social work.

Our faculty and staff—at the forefront of the exploration of the causes and treatments of mental illnesses—generate more than $6 million annually in grant-supported research. Specific areas of research include mood and anxiety disorders, trauma and grief, childhood disorders, and addiction, with new programs in Post-traumatic Stress, Integrated Clinical Neuroscience and Treatment, Early Diagnosis & Intervention, Biochemical Markers, Psychiatric Genetics, and Geriatric Psychiatry. Our faculty members’ wide variety of expertise covers the full spectrum of behavioral disorders, supporting research they pursue in conjunction with their clinical and educational contributions to the department.

We have the highest commitment to providing care to individuals suffering from behavioral disorders in our community. The Department of Psychiatry and Behavioral Sciences provides innovative approaches to treating patients in both public and private hospital settings, as well as through a network of affiliated outpatient clinics. We offer outpatient services at 23 community clinics throughout Houston, in addition to specialty psychiatry clinics located at the Behavioral and Biomedical Sciences Building in the Texas Medical Center. Telemedicine now provides inpatient care to 13 hospital sites for the State of Texas Hospital System. In addition, the Department of Psychiatry has initiated school-based clinics in and throughout several different independent school districts to serve the Greater Houston area.

With more than 30 years of commitment to community service, UTHealth HCPC (Harris County Psychiatric Center) offers newly renovated units, including Mood Disorders, Geriatric Psychiatry, and Child & Adolescent Psychiatry. We also have specialized inpatient programs on Bipolar Disorder, Schizophrenia, Forensic Competency Restoration, and Dual Diagnosis. Our outpatient ECT Clinic is now fully operational, and we recently added a clinical research study of Magnetic Seizure Therapy (MST). The department also provides consultation/liaison services at Memorial Hermann-TMC, and TIRR locations, and LBJ Hospital. Our skills and technological innovation are balanced with compassion and the highest commitment and respect for the patients we serve.

FACULTY ................................................................. 95
RESIDENTS ............................................................. 46
FELLOWS .............................................................. 8
POST-DOCTORAL RESEARCH FELLOWS ..................... 14
RESEARCH ............................................................ $5,372,000
The Department of Surgery and its divisions are committed to excellence in patient care, innovative research, and mentoring the next generation of surgeons.

Our divisions include Acute Care Surgery, General Surgery, Immunology and Organ Transplantation, Minimally Invasive and Elective General Surgery, Plastic and Reconstructive Surgery, Urology and LBJ General Hospital Division of Surgery.

Our location within the Texas Medical Center, the largest medical center in the world, gives our surgeons, researchers, and residents unique opportunities for collaboration and clinical experience.

Our department offers residency programs in General Surgery, Plastic and Reconstructive Surgery, Urology, and Colon and Rectal Surgery. Fellowships are offered in Surgical Critical Care, Trauma Research, Female Urology and Urodynamics, Minimally Invasive Surgery, Renal Transplantation, and Plastic and Burns.

The Department of Surgery and its divisions are involved in collaborative research efforts throughout the Texas Medical Center, including the Center for Translational Injury Research, the Trauma Research Center, and Nutritional Research.

Excellent clinical services are provided at Memorial Hermann -Texas Medical Center, Memorial Hermann – Southwest, Memorial Hermann – Sugar Land, Memorial Hermann – Katy, Memorial Hermann – Memorial City, Memorial Hermann – Woodlands, Lyndon B. Johnson General Hospital, St. Luke's Episcopal Hospital, MD Anderson Cancer Center, Triumph Hospital, Park Plaza, Spring Branch Medical Center, TIRR Memorial Hermann, UT Physicians at Bellaire, Christus St. Catherine’s, Healthsouth, Pedi Woodlands Clinic, Smith Tower, Texas Liver Center, Twelve Oaks Medical Center, Ambulatory Surgery Center, and Bayshore Medical Center.

FACULTY ................................................................. 77
STAFF PHYSICIANS ................................................. 12
RESIDENTS ............................................................. 82
FELLOWS ................................................................. 28
RESEARCH .............................................................. $3,234,000
Cheves McCord Smythe, MD, founding dean of McGovern Medical School, died May 11, 2020, in Charleston, South Carolina, at the age of 95.

Born May 25, 1924, in Charleston, Dr. Smythe graduated from Harvard Medical School. During the Korean War, he was assigned to the Naval Medical Field Research Laboratory, Camp Lejeune, in North Carolina, and was responsible for a variety of applied research ventures relative to military medicine. He trained at Bellevue Hospital in New York City and at the Boston City Hospital, where he was chief resident.

His passion for academic medicine was evidenced in his leadership of three medical schools. He is remembered fondly by colleagues not only as a leader but as a friend.

In 1955, he joined the faculty of Medical College of South Carolina, now the Medical University of South Carolina, as an associate professor of medicine. In 1962, he was named dean of the Medical College of South Carolina. He remained in that position for three years before joining the staff of the American Association of Medical Colleges, visiting and learning about medical schools across the nation. In 1970, he moved to Texas as the inaugural dean of The University of Texas Medical School at Houston.

“Dr. Smythe was a pillar of our Medical School community — known for his exemplary standards in medicine, education, and leadership,” said Giuseppe N. Colasurdo, MD, president of UTHealth and Alkek-Williams Distinguished Chair. “As our founding dean, he helped define the principles and the promise of McGovern Medical School and, for 50 years, he delivered on that promise with an unwavering commitment to our students and our school.”

“Dr. Smythe was a true southern gentleman,” recalled Richard Andrassy, MD, executive vice dean of Clinical Affairs, Cooley Chair in Surgery, Mayfield Distinguished University Chair in Surgery, and Ruiz Distinguished University Chair. “He knew how to get things done and built a new medical school from the ground up. His intellect, caring personality, and energy made him very successful. I enjoyed my interactions with him on all levels.”

As first dean, Dr. Smythe was responsible for recruiting the school’s first chairs, faculty, and students and overseeing the construction and planning of facilities. Faculty who were among the first to join the medical school recalled those early days.

“As The University of Texas Medical School’s first dean, Cheves Smythe was innovative,” remembered Herbert DuPont, MD, professor of infectious diseases. “He did not have departments but called the school’s administrative units programs that he wanted to integrate both vertically with divisions and horizontally across programs. He was charismatic, attracting outstanding faculty to Houston as full professors and heads of programs before there were permanent school buildings, or a medical school curriculum and all left a tenured faculty and accepted non-tenured positions in Houston. He used his instincts to make key decisions and took chances, like offering me the job as director of infectious diseases and clinical microbiology at the new school when I was 33 years of age and lacked administrative experience. Under his leadership his ‘mission impossible’ team built the beginnings of the medical school. It was a special time and Cheves’ unique qualities were responsible for the school’s early success.”

“Dean Smythe interviewed me for a faculty job at the new medical school in January 1972,” recalled Nachum Dafny, PhD, professor of neurobiology and anatomy. “I was impressed by his personality, energy, open mindedness, and deep intellectual integrity. He convinced me to come to Houston, and I did not regret it. His office was open to everyone; he was a good listener. He read every grant the faculty wrote and provided ideas how to improve it. He was a devoted fisherman and invited every faculty to go fishing with him. I was lucky to go with him on his boat to fish many times. Once a year he gathered all the faculty to his house to have a party to eat all the fish he and the other faculty caught. He created a camaraderie atmosphere that I miss.”

“Cheves was a superb leader and administrator, clinician (he likely saved my life), educator (promoted an interdisciplinary curriculum among other now current innovations), raconteur...and fisherman, who was uniquely qualified to be the founding dean of our medical school. His profound early positive impact on the school, and on me and other naive young junior faculty members was immense. Dean Smythe’s legacy continues,” said Gary Rosenfeld, PhD, associate dean for educational programs and professor of integrative biology and pharmacology.

“Cheves was a visionary who forged the foundation upon which our school developed into a leading clinical, research, and education institution in Houston and the nation,” said William Dowhan, PhD, professor of biochemistry and molecular biology and John S. Dunn Endowed Chair.

Dr. Smythe wrote in his memoir of recruiting the Steinbergers as the first faculty to the Medical School.

“I have very fond memories of Cheves McCord Smythe,” Anna Steinberger, PhD, said. “He was a great visionary medical educator! It was not too difficult for him to convince Emil (Emil Steinberger, MD) that we should move to join the faculty of the newly created UT Medical School in Houston, of which he served as first dean. The challenge of participating in this new venture was irresistible, so we came in 1971 and became involved in planning the curriculum, laboratory spaces, recruiting additional faculty members, etc., etc., years before the school acquired a permanent building. We loved our jobs and all these challenges! We also got to know Cheves more personally by sharing social events and sailing on our sail boat, EPIA (he always caught a fish for our dinner on the boat). Cheves has made valuable contributions to promoting medical education. May his memory be a blessing.”

“Dr. Cheves Smythe was a man for all seasons. In his memoir, An Advantaged Life, Cheves tells the story of his beloved ancestors, his upbringing in Charleston, SC, his passionate eclectic pursuits, and his seminal and lasting contributions to medicine and to McGovern Medical School. In his inimitable style, he provides frank assessments
Building a new school was more than recruiting faculty – Dr. Smythe also hired hardworking staff to help set the foundation.

“It was my privilege to work for Dr. Cheves McCord Smythe when he was dean from 1971-1976. The office was very busy as medical students were being selected, curriculum was being planned, faculty was being recruited, and the two-story Freeman Building was in process,” Sondra Ives recalled. “Dr. Smythe kept everything moving. While he was not one for praise, you worked hard to rise to his unspoken expectations. He was a physician’s physician, a Charlestonian through and through, a fisherman, a sailor, father of five sons who you knew he loved, husband to Polly and a creator of medical schools. My life is enriched for having known him.”

During leaves of absence from the Medical School (1982-85 and 1990-91), Dr. Smythe also served as founding dean, professor of medicine, and chair of the Department of Medicine at the Aga Khan University of Health Sciences in Karachi, Pakistan.

Karim Marani, director of the Learning Resource Center, recalled, “Dr. Smythe’s contributions were wide and internationally renowned. As founding dean of the now Aga Khan University, Medical College, Pakistan, he built an infrastructure that enabled it to become an international university today, with campuses in Pakistan, the United Kingdom, and countries in East Africa. It was at that time that Dr. Smythe gave an opportunity to conceptualize the university’s audiovisual and library facilities. Today, both the McGovern Medical School and the Aga Khan University are shining examples of his multifaceted legacy. Dr. Smythe, you are gone but not forgotten, rest in peace.”

Dr. Smythe’s contributions to the McGovern Medical School spanned more than four decades. After serving as dean for the Medical School’s first five years, he returned to the faculty as professor of internal medicine. He was asked to revisit to the dean’s office as dean pro-tem in 1995.

“I am very fortunate to have been hired as chair by Dr. Smythe while he was the interim dean,” said Carlos Moreno, MD, C. Frank Webber Chair in Family Medicine. “He was honest and straightforward and very helpful during my first several years as chair. He provided me with excellent insight and advice about the history and politics of the Medical School and the University. A wise and insightful man. This medical school is built on his shoulders.”

Dr. Smythe also served as chief of medical services at LBJ General Hospital and was certified in geriatric medicine as well as internal medicine. He was recognized as a devoted and appreciated teacher of clinical medicine, strengthening medical teaching at Lyndon Baines Johnson Hospital as well as assisting in the development of the geriatric medicine program. The annual Cheves Smythe Distinguished Lecture was established in 2006 and brings distinguished speakers to campus who focus on topics related to aging.

“After all of his institutional and scientific contributions, I believe he felt his greatest contribution was as a clinician in the care of the underserved. Until his retirement, he spent tireless hours interviewing and caring for our patients at LBJ and demonstrating for all of our students and housestaff, how to tease out the essence of who the patient was, what they wanted, and how best to treat them to achieve their goals. When you read his brief narratives, you can easily picture the patient and understand his remarkable ability to bond with them. I guess they just don’t make them like that anymore,” said Philip Orlander, MD, associate dean for educational programs and Edward Randall, III Chair in Internal Medicine.

“Cheves was an innovative educator as well as an outstanding administrative leader,” George Stancel, PhD, recalled. “All our student and resident alumni have benefited enormously from his foresight, innovation, and commitment to education that set a tone maintained to this day. He was also a teacher and mentor to the faculty – his wisdom, friendship, example, and concern greatly enriched our personal as well as professional lives.”

Before his retirement from the Medical School in 2011, Dr. Smythe had been recognized numerous times for his teaching, clinical excellence, and humanism with the Master Teacher Award, the Humanism in Medicine Award, and the Benjy Brooks Award for Clinical Excellence, among many others.

He is survived by his wife, Isabella (Polly) Carr Smythe; their five sons, Alexander Cheves Smythe, James Leighton Smythe, Augustine Thomas Smythe II, Daniel Thompson Smythe, and St. Julien Ravenel Smythe;14 grandchildren; three great grandchildren; and numerous nieces and nephews. A memorial service will be held later in the year at the Second Presbyterian Church of Charleston.
IN MEMORIAM

Robert J. Amato, DO

Robert J. Amato, DO, professor in the Division of Oncology, died Sept. 6, 2019.

Dr. Amato was one of the world’s leading experts in the treatment of genitourinary cancer. Early in his career, his research helped make testicular cancer a highly treatable disease. His current research focused on molecular-targeted therapeutics to halt the progression of metastatic kidney and prostate cancers, the further development of immunotherapies with a primary focus on vaccine and immune therapy, and determining how elements from his studies could have been used in the treatment of bladder and testicular cancer.

Dr. Amato came to UTHealth in 2008 to develop the Division of Oncology. During his tenure, he oversaw a tremendous amount of growth, bringing in a mix of senior and junior faculty, as well as building a robust research team to work on clinical and translational trials. He singlehandedly set up the Division of Oncology at McGovern Medical School and jelled together the various elements to build the UT/ Memorial Hermann Cancer Center – TMC.

On the clinical side, Dr. Amato was an extremely competent and astute clinician who was universally respected and admired. His faculty peers would contact him to discuss complex oncology cases, and his opinion was valued tremendously. He had a very busy practice, and patients came to see him from all over the world due to his reputation, research publications, and great successes in treating patients with genitourinary malignancies. His dedication to his patients was matched only by their devotion to him, and he put forth tremendous energy and expertise in caring for them.

Stanley J. Dudrick, MD

The founding chair of the McGovern Medical School Department of Surgery, Stanley J. Dudrick, MD, 84, died Jan. 18, 2020, in New Hampshire.

Dr. Dudrick joined the faculty at what was then The University of Texas Medical School at Houston in 1972, with a vision to start and grow the department through a variety of channels both clinically and academically. He would hold the position until 1982.

On the ground, Dr. Dudrick helped transform Memorial Hermann Hospital into one of the premier trauma hospitals in the country. He worked closely with the nursing staff, developing a specialized critical-care nursing service while also bringing in faculty, interns, and residents, into the emergency room to improve not only the clinical side, but the academic side of surgery as well.

Perhaps Dr. Dudrick’s most well-known contribution to the surgery industry was one that has saved the lives of millions of people over the past half-century. In the late 1960s, Dr. Dudrick developed a treatment called total parenteral nutrition (TPN). A technique that is so widely used now it is sometimes taken for granted, TPN allows for the injection of nutrients directly into the circulatory system, bypassing the intestinal tract for patients who cannot take in food or liquids by mouth.

Dr. Dudrick earned his bachelor of science degree in biology from Franklin & Marshall College in Lancaster, Penn., in 1957 before receiving his medical degree from the University of Pennsylvania School of Medicine. From there he completed a general surgery residency at the Hospital of the University of Pennsylvania before joining the UPenn faculty and moving from instructor to professor in five years, while also serving as chair of surgery at the Philadelphia VA.

Dr. Dudrick is survived by his wife, Theresa (Keen) Dudrick; daughters Susan Burkholder, Carolyn Henry, Holly Dudrick, and Annie Dudrick; sons Paul and Stanley; 16 grandchildren; five great-grandchildren; his sister Irene Brown, and brother Daniel.
Beloved biochemistry faculty member, founder of the student retreat, and inaugural associate dean of faculty affairs Henry W. Strobel, PhD, 76, died in his sleep Nov. 22, 2019, in Houston.

An original faculty member of the newly established University of Texas Medical School at Houston, Dr. Strobel joined the faculty as an assistant professor of biochemistry and molecular biology in 1972. He rose up through the faculty ranks — named professor in 1982, serving as acting chair of the department in 1984, and named professor emeritus in 2014.

"Henry was an icon of our school," said Michael Blackburn, PhD, executive vice president and chief academic officer of UTHealth. "His amazing contributions reach far and wide, impacting students, faculty, and staff. He was a great mentor and friend and will be missed by many."

Dr. Strobel earned his bachelor of science degree from the College of Charleston and went on to earn a PhD in biochemistry from the University of North Carolina at Chapel Hill, where he also completed a postdoctoral fellowship.

In addition to his faculty roles, Dr. Strobel served the medical school in numerous administrative capacities and made an indelible mark upon the school’s culture and traditions by establishing a student orientation retreat and an international elective to China.

In August 1977, Dr. Strobel helped organize the first freshman orientation retreat at Camp Allen, bringing students and faculty together, setting the tone for the incoming students of the medical school. That annual event has become a rite of passage for McGovern Medical School students, establishing values and kindling friendships.

"Nobody, in the history of our incredible institution, lived the character we all hope to aspire to more than Henry. He was an energetic educator, a steady mentor, a thoughtful leader, a patient listener, a meticulous scientist, and, above all, a remarkable and compassionate friend who taught all those around him how important relationships were. His relentless pursuit of humanism and his vibrant spirit will forever live in the McGovern halls, while his knack for welcoming new members into our institution will forever live at Camp Allen," said Matt Harting, MD, ‘03, assistant professor of pediatric surgery.

In 2006, the medical school’s Alumni Association created the Henry W. Strobel Ph.D. Freshman Retreat Fund to help underwrite the costs of future retreats. "The retreat was Henry’s idea from the start," said Alan Friedman, MD, ‘86, past president of the Alumni Association. "Without him, there never would have been one."

In addition to leading the student retreat for 40 years, Dr. Strobel also established a China elective program in which he chaperoned medical students for a one-month trip to China to learn from the Chinese medical community through its schools and hospitals. Dr. Strobel directed the annual elective for more than 30 years.

"He was just a great man. I kind of think of Dr. Strobel as Mr. Rogers – thoughtful, kind, thinking of other people, just trying to make other people’s lives better. He always cared for the medical students and brought kindness to the school," said Joel Dunnington, MD, ’81.

Dr. Strobel also was the medical school’s first associate dean for faculty affairs after having served as chair of the Faculty Promotions Committee for a number of years. "It was clear from the promotion documents that many faculty did not know how to prepare for promotion," he wrote. "I complained to the Dean, and the Dean retaliated by appointing me as the first Associate Dean for Faculty Affairs."

Dr. Strobel also was assistant dean for student affairs, 1991-95, and associate dean for alumni affairs, 2009-2015.

An ordained Episcopal priest (known by some former students as Father Doctor Strobel), he was called upon to give invocations at traditional school events – from commencement and white coat ceremony to faculty promotion dinners and memorial services. He even was invited to perform marriage ceremonies between students.

"In addition to being a teacher, Dr. Strobel generously served as a leader, coach, and confidant for hundreds of students, faculty, administrators, and staff during his 40+ years at UT-Houston," said Faye Viola, former director of the Office of Faculty Affairs. "He was a Southern gentleman and an energetic and positive spirit who loved to recognize and celebrate the success of others. He will be missed."

He was the recipient of numerous awards for his teaching, including the UTHouston President’s Scholar Award for Excellence in Teaching; the TIAA-CREF Distinguished Medical Educator Award; membership to The University of Texas Academy of Health Science Education; the University of Texas System Regent’s Outstanding Teaching Award; The University of Texas System Distinguished Teaching Professor; and the John P. McGovern Outstanding Teaching Award, from the Graduate School of Biomedical Sciences.
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