

A photograph of the Baylor St. Luke's Medical Center building at dusk. The building is a modern, multi-story structure with a glass facade that reflects the sky and surrounding environment. The name "Baylor St. Luke's Medical Center" is visible on the upper left side of the building. A dark blue rectangular box is positioned in the upper right corner of the image.

Baylor
College of
Medicine

Baylor St. Luke's
Medical Center

DEPARTMENT OF MEDICINE

2022 ANNUAL REPORT

The Margaret M. and Albert B. Alkek
DEPARTMENT OF MEDICINE
ACADEMIC ANNUAL REPORT 2022

Baylor College of Medicine

CHAIR'S MESSAGE

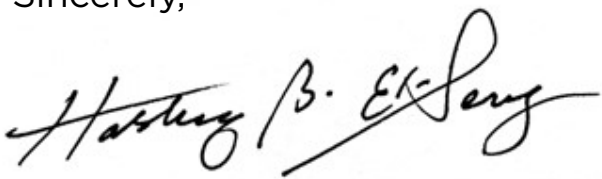
Dear Colleagues:

It is my pleasure to present to you the Department of Medicine's annual report for the year 2022. I am proud to say that we have achieved many significant milestones in the past year.

In the past year, we have made strategic investments in research, clinical care programs, medical education and training. These investments have allowed us to expand our capabilities and improve our offerings, which has resulted in a stronger competitive position for our patients, trainees and workers.

Looking ahead, we are optimistic about the future and are confident in our ability to continue delivering value to our patients and shareholders. We remain committed to innovation, integrity and excellence in our business practices and we are excited about the opportunities that lie ahead.

Sincerely,

A handwritten signature in black ink, reading "Hashem B. El-Serag". The signature is fluid and cursive, with the first name "Hashem" being the most prominent.

Hashem B. El-Serag, M.D., M.P.H.



Hashem B. El-Serag
M.D., M.P.H.

2022 ORGANIZATIONAL OVERVIEW

CHAIR

Hashem B. El-Serag, M.D., M.P.H.

OFFICE OF THE CHAIR

Vice Chair for Clinical Affairs

Vice Chair for Education

Vice Chair for Faculty and Staff Development

Vice Chair for Harris Health System/Ben Taub Hospital

Vice Chair for Quality Improvement and Innovation

Vice Chair for Research

Vice Chair for Veterans Affairs

Mandeep Bajaj, M.B.B.S.

Richard J. Hamill, M.D.

Sandra Haudek, Ph.D.

Hemant Roy, M.D.

Kyler Godwin, Ph.D.

Rolando Rumbaut, M.D., Ph.D.

Biykem Bozkurt, M.D., Ph.D.

SECTIONS

Cardiology

Cardiovascular Research

Endocrinology, Diabetes, and Metabolism

Epidemiology and Population Sciences

Gastroenterology and Hepatology

General Internal Medicine

Geriatrics and Palliative Medicine

Health Services Research

Hematology and Oncology

Immunology, Allergy, and Rheumatology

Infectious Diseases

Nephrology

Pulmonary, Critical Care and Sleep Medicine

Transition Medicine

Chief of Section

Christie Ballantyne, M.D.

Christie Ballantyne, M.D.

Mark Herman, M.D.

Christopher Amos, Ph.D.

Fasiha Kanwal, M.D., M.S.H.S.

Joslyn Fisher, M.D., M.P.H.

Aimee Garcia, M.D.

Laura Petersen, M.D., M.P.H., F.A.C.P.

Martha Mims, M.D.

Rashmi Maganti, M.D.

Thomas Giordano, M.D., M.P.H.

Wolfgang Winkelmayer, M.D., Sc.D.

Ivan Rosas, M.D.

Cynthia Peacock, M.D.

The Department of Medicine at Baylor College of Medicine is the professional home to over 1,800 professionals distributed across 14 sections. We have campus sites at Baylor St. Luke's Medical Center, the McNair Campus, Michael E DeBakey VA Medical Center, Harris Health System, Texas Children's Hospital, and the Pavilion for Women. We also have strong associations with numerous centers, programs, and organized research units. Our team is thrilled to celebrate our departmental achievements in research, patient care, and medical education and training.

THE DEPARTMENT OF MEDICINE

RESEARCH

In 2022, the research efforts of our department faculty were supported by \$120.3M in total extramural research funding including:

- \$77.2M from the NIH
- \$8.5M from the Veteran's Administration
- \$12.2M from other federal agencies
- \$17.7M from state and other non-federal sources
- \$4.7M from industry support

Two of our sections have NIH T32 grants to support research training in the fields of gastroenterology and infectious diseases.

CLINICAL CARE

Our physicians practice in Baylor St. Luke's Medical Center, the McNair Campus, Ben Taub Hospital, Michael E. DeBakey VA Medical Center and Houston Methodist Hospital. Many specialty and subspecialty services provided at these locations are nationally recognized as sites of premier clinical quality.

Patients receive state-of-the-art consultations, diagnoses and compassionate care from our world-renowned clinical staff. Our doctors specialize in diagnosing and treating various diseases ranging from heart disease, diabetes and allergies to breast cancer and cystic fibrosis. Teens with developmental disabilities transitioning into adult care receive personalized, quality care and social services through our unique Transition Medicine group.

EDUCATION

The Department of Medicine's education efforts train the next generation of leaders in medicine through medical school, graduate medical training, fellowships and internships. The Department of Medicine provides undergraduate medical education (UME) students a balance of training, exposure, and experience, which prepares them for graduate programs. Our faculty teaches two-thirds of the UME courses. Students first attend foundational sciences curriculum courses and then their clinical curriculum courses. Students choose one sub-internship, seven core clerkships and five or six clinical electives.

Students within the Internal Medicine sub-internship develop skills required for their internship. During these rotations, medical students experience increased autonomy, acting as interns supervised directly by senior residents and the attending physician. Students hone in on their history and physical skills, write orders and independently develop diagnostic and therapeutic plans. They expand their medical knowledge by using experiential and self-directed learning.

Our residencies are authorized by the Accreditation Council for Graduate Medical Education and its respective Residency Review Committees. We enroll highly competitive applicants each year and continue to match outstanding residents. Our graduates become leaders in Internal Medicine and its specialties, both academically and in clinical practice.

Beyond residency training, the Department of Medicine offers fellowships for two to four years of training in each major subspecialty, such as gastroenterology, cardiovascular disease, etc. This experience allows physicians to learn unique concepts, information and procedures for a particular subspecialty, with an opportunity to research if desired. Our department has more than 220 residents and more than 150 fellows.

Affiliations with leading research and healthcare institutions in the Texas Medical Center provide access to diverse people and resources. Our students and trainees can access numerous patients during these clerkships in various settings through our affiliation with eight leading healthcare institutions—all located in the world's largest medical center.

SECTION OF TRANSITION MEDICINE

SECTION ACCOMPLISHMENTS

The Section's Transition Medicine Clinic opened its second location in March 2022 at the Center for Pursuit (CFP) in Houston East-Downtown area. The new Transition Medicine clinic provides comprehensive healthcare to adolescents and adults with intellectual disabilities as they move from pediatric to adult care. The Transition Medicine clinic partners with the Center for Pursuit to build a network to serve adolescent and adult patients with intellectual disabilities by offering programs and services that promote a healthier and more fulfilling life. Dr. Ellen Fremion serves as the medical director for the new clinic, along with other faculty, healthcare providers, and staff. Since opening in March 2022, the new Transition Medicine clinic has seen over 500 patients.



SECTION CHIEF
Cynthia Peacock, M.D.



The Center for Pursuit

FACULTY

Section Leadership

- Cynthia Peacock, M.D., F.A.C.P., F.A.A.P. - Section Chief and Medical Director
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FACULTY

Associate Professor

- Ellen Fremion, M.D., F.A.A.P., F.A.C.P. - Medical Director of CFP Transition Medicine
- Larry Laufman, Ed.D.

Assistant Professor

- John Berens, M.D.
- Jordan Kemere, M.D.
- Elisha Acosta, M.D.

Fellow

- Vrunda Vithalani, M.D. - PGY5

Nurse Practitioner

- Ambrielle Davis, N.P.
 - Erin Brown, N.P.
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HONORS AND ACHIEVEMENTS

Elisha Acosta, M.D.

- Recipient, Norton Rose Fulbright Faculty Excellence Award for Teaching & Evaluation

John Berens, M.D.

- Member, Information Technology Provider Advisory Committee, Baylor College of Medicine
- Member, Vice Chair Group for Faculty and Staff Development, Baylor College of Medicine
- Recipient, Early Career Faculty Award for Excellence in Patient Care

Ellen Fremion, M.D.

- Provider Advisory Committee Member, Spina Bifida Association
- Planning Committee Member, 2023 World Congress Conference on Spina Bifida Research and Care

Jordan Kemere, M.D.

- Player of the Month, That's the Way, July 2021
- Recipient, Golisano Health Leadership Award, 2021
- Volunteer, Special Olympics Texas, 2021, 2022

Cynthia Peacock, M.D.

- Southern Governor, Texas Chapter of the American College of Physicians, 2022
 - Board Member, American Academy of Developmental Medicine and Dentistry, 2022
 - Volunteer, Special Olympics Texas, 2021, 2022
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RESEARCH ACTIVITIES

Grants

John Berens, M.D.

- Patient Centered Research Outcomes Institute (PCORI); Future Planning and Well-Being for Individuals with Intellectual Disabilities and Family Caregivers; \$5,565,189
- Baylor College of Medicine, Department of Medicine; Utilizing Electronic Health Record Data to Improve Patient Follow-up in the Transition Medicine Clinic; \$17,000

Jordan Kemere, M.D.

- Texas Council for Developmental Disabilities; Transition to Adult Care Mentorship Program for Individuals with Developmental Disabilities; \$150,000

Vrunda Vithalani, M.D.

- American Academy of Pediatrics - 2022 CATCH; Transition of Adolescents and Young Adults with Intellectual and Developmental Disabilities; \$10,000

Publications (2)

- Clinical Orthopaedics and Related Research (IF **4.176**): 1
 - Journal of Bone and Joint Surgery Reviews (IF **6.558**): 2
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TEACHING ACTIVITIES

Transition Medicine promotes comprehensive learning opportunities for medical trainees to develop knowledge and experience working with adolescents and adults with intellectual and developmental disabilities.

- The Adult Developmental Medicine Fellowship is a one-year training program designed to provide clinical training, didactics, and research experiences that promote personalized and comprehensive healthcare treatments for adolescent and adult patients with intellectual and developmental disabilities.
 - Residents and Medical Students learn about the healthcare needs of adolescents and adult patients with intellectual and developmental disabilities. Trainees develop clinical skills as a multidisciplinary team member alongside physicians at Transition Medicine Clinics and Texas Children's Spina Bifida Clinic.
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ADDITIONAL HIGHLIGHTS



*2022 Special Olympics, Orlando, Florida
Medical volunteers with Dr. Jordan Kemere from the Transition Medicine section.*

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