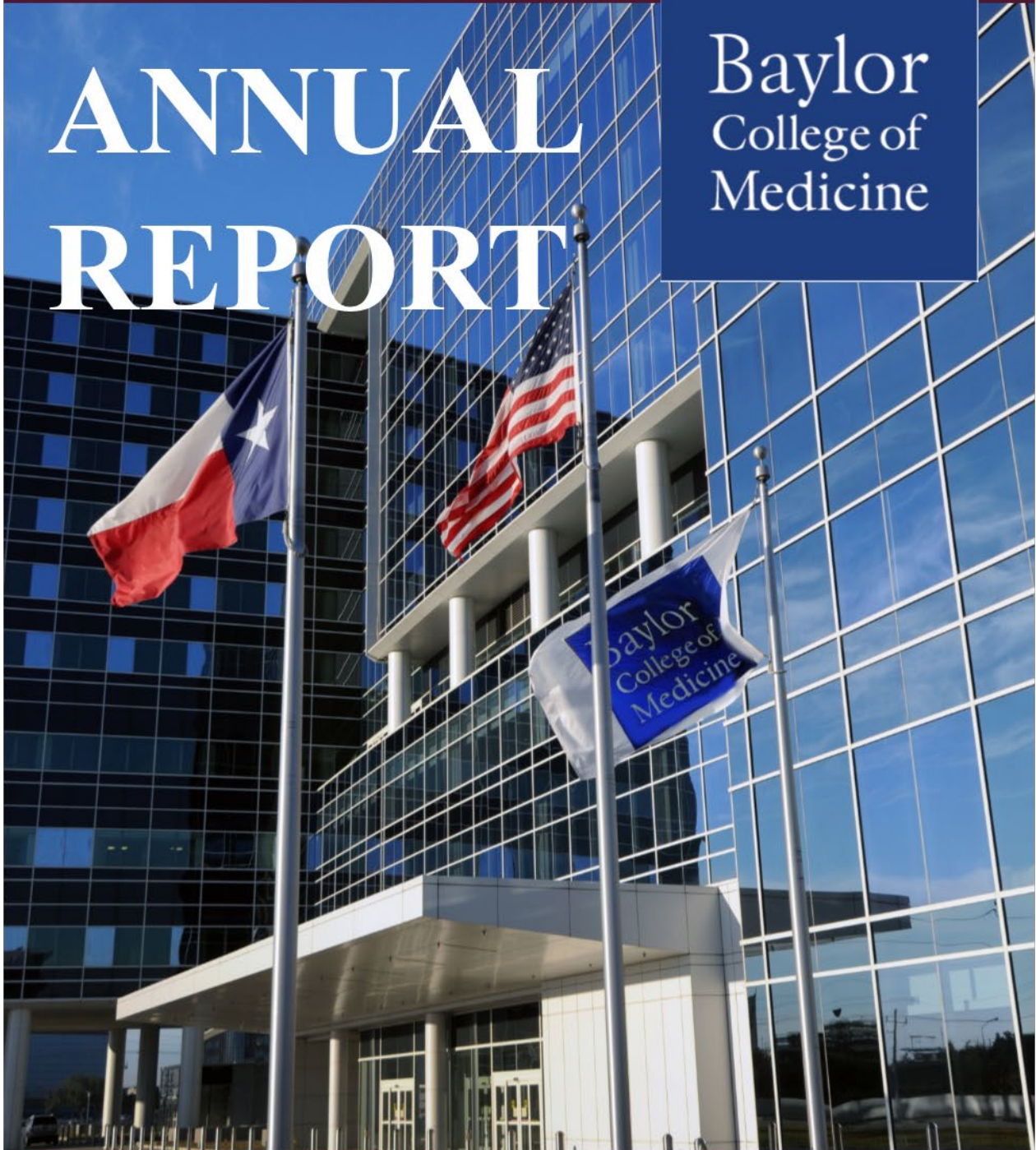


2019

**ANNUAL
REPORT**

Baylor
College of
Medicine



**DEPARTMENT
OF MEDICINE**

The Margaret M. and Albert B. Alkek

DEPARTMENT OF MEDICINE

Annual Report 2019

BAYLOR COLLEGE OF MEDICINE

The logo for Baylor College of Medicine, featuring the text "Baylor College of Medicine" in white serif font on a dark blue square background.

Baylor
College of
Medicine

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COMMENTS FROM THE CHAIRMAN



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

Dear Colleagues and Friends:

I am pleased to present this Annual Report of the Department of Medicine at Baylor College of Medicine. I hope it will provide you with a glimpse of a truly great and dynamic department, composed of a large and diverse full-time and voluntary faculty. Many of our faculty have attained international stature in their fields, and many others are well on their way to careers of pre-eminence as clinicians, investigators and educators. Equally important, our faculty makes enormous contributions to advance the missions of Baylor College of Medicine and its affiliated teaching hospitals. We also are blessed with an extraordinary group of internal medicine residents and many outstanding subspecialty fellowship programs. If there is a single cause that unites a faculty as diverse as ours, it is our commitment and dedication to training the next generation of leaders of medicine.

Built on a tradition of excellence forged by my distinguished predecessors, the Department of Medicine continued in 2018-2019 on a path of rapid ascent in all arenas of academic medicine, one guided by a clear vision and direction for the future. Its financial health has not been stronger. The talent, energy and unity of purpose that characterise our Department have made my job an easy and enjoyable one. It has been a privilege and honor to serve as its Chairman for the past three years. I hope you will find this report of our accomplishments during the past year informative.

Sincerely,

A handwritten signature in blue ink that reads "Hashem B. El-Serag". The signature is fluid and cursive, with the first name and last name clearly legible.

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

ORGANIZATIONAL OVERVIEW

DEPARTMENT OF MEDICINE

CHAIRMAN

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

OFFICE OF THE CHAIRMAN

Vice Chair for Clinical Affairs

Mandeep Bajaj, M.B.B.S.

Vice Chair for Education

Richard J. Hamill, M.D.

Vice Chair for Faculty and Staff Development

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

Vice Chair for Harris Health System/Ben Taub Hospital

Stephen Greenberg, M.D., MACP

Vice Chair for Quality Improvement and Innovations

Mayar Al Mohajer, M.D., M.B.A., FACP

Vice Chair for Research

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

Vice Chair for Veterans Affairs

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

SECTIONS

Chief of Section

Cardiology

Christie Ballantyne, M.D.

Cardiovascular Research

Christie Ballantyne, M.D.

Endocrinology, Diabetes and Metabolism

Marco Marcelli, M.D. (Interim)

Epidemiology and Population Sciences

Christopher Amos, Ph.D. (Interim)

Gastroenterology and Hepatology

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

General Internal Medicine

David Hyman, M.D.

Geriatrics and Palliative Medicine

Aanand Naik, M.D.

Health Services Research

Laura Petersen, M.D., M.P.H., FACP

Hematology and Oncology

Martha Mims, M.D.

Immunology, Allergy and Rheumatology

Sandeep Agarwal, M.D., Ph.D.

Infectious Diseases

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

Nephrology

Wolfgang Winkelmayr, M.D., Sc.D

Pulmonary, Critical Care and Sleep Medicine

Ivan Rosas, M.D.

Transition Medicine

Cynthia Peacock, M.D.

THE DEPARTMENT OF MEDICINE

The Department of Medicine at Baylor College of Medicine is the professional home of more than 1100 faculty, including 421 full- and part-time paid faculty, 367 trainees, and 417 staff distributed across our 14 sections.

The breadth and depth of our department is considerable: We have campus sites at Baylor St Luke's Medical Center and McNair Campus, Michael E DeBakey VA Medical Center, Harris Health System, Texas Children's Hospital, and Pavilion for Women, as well as close associations with a number of interdisciplinary centers, programs and organized research units.

We appreciate our achievements in discovery, patient care, and medical education and training. The Department of Medicine recently engaged in a strategic planning process to make the Department of Medicine a recognized leader in each of our mission areas: scientific discovery and research, patient clinical care, and medical education and training.

With this plan, we are challenging ourselves to do more, go farther, and be better. We plan to achieve more scientific breakthroughs and create more knowledge; to provide more excellent clinical services in new and better ways, including patient-centered care, population health and precision medicine; to educate, train and recruit high-quality talent more effectively; and to contribute more to the many communities we serve.

This plan remains our focus for the next four years. We will measure our progress in each of the outlined initiatives as we move toward the achievement of our goals. The plan will form the framework for subsequent section-specific strategic plans.

RESEARCH

In FY19, the research efforts of department faculty were supported by \$66.8M in total extramural research funding (a total of 560 funding awards), including:

- \$48.6M from the NIH, \$5.2M from the Veteran's Administration
- \$8.0M from other federal agencies
- \$4.2M from industry support of clinical trials
- \$16.7M from state and other non-federal sources

Among these awards are NIH Center awards in endocrinology, infectious diseases, oncology, and gastroenterology, and a VA Center of Excellence Award (Health Services Research). In addition, six sections have been awarded NIH T32 grants to support research training in the fields of gastroenterology, hematology, health services research, immunology, infectious diseases, and pulmonary medicine.

CLINICAL CARE

The Department of Medicine at Baylor College of Medicine provides excellence in education, research and clinical care that takes place through the efforts of our faculty, staff, students and trainees. Our physicians practice in a variety of locations, including the Baylor St. Luke's Medical Center, McMair Campus, Ben Taub Hospital, Michael E DeBakey VA Medical Center, and Houston Methodist Hospital. Many of the specialty and subspecialty services at these locations are nationally ranked as sites of premier clinical quality.

Our patients receive state-of-the-art consultations and diagnosis and compassionate treatment from a world-renowned clinical staff. Our doctors specialize in the diagnosis and treatment of diseases affecting internal organs, ranging from heart disease, diabetes, and allergies to breast cancer and cystic fibrosis. Teens transitioning into the adult care world receive personalized, quality care and social services through our unique Transition Medicine group.

The Department of Medicine is a nationally recognized site for cutting-edge biomedical research. Our researchers are developing treatments for vital areas such as cancer, AIDS, digestive diseases and the diseases of aging, through 14 sections and three research centers, and we are translating this knowledge to provide improved care for our patients.

EDUCATION

The Department of Medicine's education efforts train and teach the next generation of leaders in medicine through a medical school, graduate medical training, fellowships and internships. Our goal is to develop physicians and independent scientists who will make significant contributions to clinical care, education, and biomedical research and be an asset to the institutions and communities they serve, and they apply their dedication and expertise to the care of our patients.

The Department of Medicine provides undergraduate medical education (UME) students a well-rounded balance of training, exposure and experience that prepares them for graduate programs in their chosen specialties. Our faculty teach two-thirds of the courses UME students must take. Our students will first attend foundational sciences curriculum courses and then clinical curriculum courses. Students will choose one sub-internship, seven core clerkships and five or six clinical electives.

Students on the Internal Medicine sub-internship develop skills required for internship. On this rotation, medical students experience increased autonomy, acting as interns who are supervised directly by senior residents and the attending physician. Students use experiential and self-directed learning to expand their medical knowledge. They hone their history and physical skills, write orders, and develop diagnostic and therapeutic plans independently. Students also further develop their communication skills with patients, families, physicians, nurses and other members of the healthcare team.

Our residencies are accredited by the Accreditation Council for Graduate Medical Education as well as its respective Residency Review Committees. We accept highly competitive applicants each year and we continue to match outstanding residents. Our graduates become leaders in Internal Medicine, both in academics and private practice.

Beyond the period of residency, the Department of Medicine offers fellowships of two to four years of training in each of the major subspecialties. These years offer the physician the opportunity to learn the special concepts, information and procedures of a particular subspecialty and to undertake research, if desired. There are currently more than 140 trainees in the subspecialties in our department.

Affiliations with leading research and healthcare institutions in and around the Texas Medical Center, the world's largest healthcare complex, provide access to an exceptionally diverse array of people and resources. Our students have access to a large number of patients during these clerkships in a variety of settings through our affiliation with eight leading healthcare institutions—all located close together in the world's largest medical center.

DEPARTMENT OF MEDICINE

SECTIONS OF MEDICINE

- Cardiology
- Cardiovascular Research
- Atherosclerosis and Vascular Medicine
- Cardiovascular Sciences
- Hypertension and Clinical Pharmacology
- Thrombosis Research
- Endocrinology, Diabetes and Metabolism
- Epidemiology and Population Sciences
- Gastroenterology and Hepatology
- General Internal Medicine
- Geriatrics and Palliative Medicine
- Health Services Research
- Hematology-Oncology
- Immunology, Allergy and Rheumatology
- Infectious Diseases
- Nephrology
- Pulmonary, Critical Care and Sleep Medicine
- Transition Medicine

CLINICAL CENTERS

- Asthma Clinical Research Center
- Center for Advanced Endoscopy
- Inflammatory Bowel Disease Center

RESEARCH CENTERS

- Biology of Inflammation Center
- Diabetes Research Center
- Texas Medical Center Digestive Diseases Center
- Winters Center for Heart Failure
- Health Services Research
- Dan L Duncan Comprehensive Cancer Center
- Center for Translational Research on Inflammatory Diseases

**SECTIONS OF THE
DEPARTMENT OF MEDICINE**

SECTION OF CARDIOLOGY



SECTION CHIEF
Christie M. Ballantyne, M.D.

The Section of Cardiology had another successful year. With more than 180 publications and more than 100 presentations at the American Heart Association (AHA) and the American College of Cardiology (ACC) meetings, the section remains a leader in academic cardiology and patient care. Baylor St. Luke's Medical Center was ranked #21 in the nation for Cardiology and has one of the largest LV assist device programs in the nation. Ben Taub Hospital is one of the highest-quality cardiology sections in a county hospital in the U.S. as recognized by awards from the AHA for quality in STEMI and heart failure. Baylor Cardiology at the Michael E. DeBakey Veterans Affairs Medical Center has the highest cath lab volumes in the nation, performs complex PCI and is a regional referral center for TAVR procedures.

Our outstanding faculty continues to provide high-quality care to our patients and, collectively, our faculty performed 59,151 outpatient visits, 36,996 echocardiograms, 3,998 nuclear studies, 6,993 invasive procedures, and more than 100,000 EKGs. Section members have key roles in the ACC, AHA, American Society of Preventive Cardiology, and National Lipid Association. Dr. Biykem Bozkurt is the upcoming President for the Heart Failure Society of America and Dr. Ray Stainback is a future President for the American Society of Echocardiography.

This annual report outlines some of the achievement and recognitions received in 2019.

A handwritten signature in black ink that reads "Christie M. Ballantyne". The signature is written in a cursive, flowing style.

Christie M. Ballantyne, M.D.
Professor of Medicine
Chief, Section of Cardiology

HIGHLIGHTS

Baylor St. Luke's Medical Center

- One of the best hospitals in cardiac and heart surgery (#21) per *US News and World Report*
- High performing in heart failure, heart bypass surgery, aortic valve surgery, and abdominal aortic aneurysm repair
- First transcatheter mitral valve replacement with the Intrepid valve (APOLLO study) in Houston, Texas

- Center of Excellence in Adult Congenital Heart Disease: Joint effort between BCM, BSLMC, and THI
- Additional Centers of Excellence: Advanced Cardiac Imaging, Amyloid, Sarcoid, and Atrial Fibrillation
- The Advanced Heart Failure and Transplant program is one of the highest-volume programs in the country for ventricular assist devices with excellent outcomes. Outcomes for the heart transplant program: 89%: 1-year survival vs 82.6% reported for the ISHLT registry

Ben Taub Hospital

- AHA 2019 Quality Achievement Award Mission: Lifeline
 - Gold: NSTEMI
 - Gold Plus: STEMI receiving center
- AHA 2019 Get With The Guidelines
 - Silver: Heart Failure
- Ben Taub Cardiology Cardiovascular Symposium held June 8, 2019

Michael E. DeBakey Veterans Affairs Medical Center

- Highest cardiac cath lab volume in the nation for the VA system; complex high-risk PCI with ventricular support devices, ECMO
- Among top three EP procedural volume in the nation, active with WATCHMAN (left atrial appendage occlusion), micra leadless pacemaker, first phrenic nerve pacing for central sleep apnea

Publications in High-Impact Journals

New England Journal of Medicine [IF: **70.67**]: 3

Nature Genetics [IF: **25.455**]: 1

European Heart Journal [IF: **23.239**]: 5

Circulation [IF: **23.054**]: 17

Annals of Internal Medicine [IF: **19.315**]: 1

Journal of the American College of Cardiology [IF: **18.639**]: 20

Endocrine Reviews [IF: **15.167**]: 1

JAMA Cardiology [IF: **11.866**]: 7

JACC Cardiovascular Imaging [IF: **10.975**]: 2

American Journal of Human Genetics [IF: **9.924**]: 1

JACC Heart Failure [IF: **8.91**]: 2

Neurology [IF: **8.689**]: 2

Kidney International [IF: **8.306**]: 1

FACULTY

Section Leadership

- Christie M. Ballantyne, M.D.
- Nasser M Lakkis, M.D.
- Biykem Bozkurt, M.D.
- Juan Carlos Plana Gomez, M.D.

Faculty

- Hamid Afshar, M.D.
- Mahboob Alam, M.D.
- Basant Arya, M.D.
- Yochai Birnbaum, M.D.
- Alvin Blaustein, M.D.
- Mihail G. Chelu, M.D.
- Andrew Civitello, M.D.
- Oliva Dinal Delossantos, M.D.
- Ali E. Denktas, M.D.,
- Anita Deswal, M.D.
- John Alan Farmer, M.D.
- Irakli Giorgberidze, M.D.
- Gabriel Habib, M.D.
- Ihab Rafic Hamzeh, M.D.
- Hani Jneid, M.D.
- Waleed T. Kayani, M.D.
- Srikanth Koneru, M.D.
- Glenn N. Levine, M.D.
- Tony S. Ma, M.D.
- Ronald Maag, M.D.
- Rita F. Marr, M.D.
- Ajith P. Nair, M.D.
- Vijay Nambi, M.D.
- Selby B. Oberton, M.D.
- David Paniagua, M.D.
- Dhaval Parekh, M.D.
- Allison M. Pritchett, M.D.
- Guilherme V. Silva, M.D.
- Leo Simpson, M.D.
- Rashed Tabbaa, M.D.
- Ziad A. Taimeh, M.D.
- Salim S. Virani, M.D.
- Xander Wehrens, M.D.
- Lily Zhang, M.D.

Professional Organization/Association Offices Held

Alam, Mahboob, M.D.

- Research and Publication Committee, NCDR Chest Pain and Acute MI Registry
- Research and Publication Committee, NCDR PINNACLE Registry
- Membership Committee, Society of Cardiac Angiography and Interventions

Arya, Basant, M.D.

- Task Force for Point of Care Ultrasound in Medical Education, American Society of Echocardiography

Ballantyne, Christie, M.D.

- Writing Committee, Expert Consensus Decision Pathway on the Role of Non-Statins Therapies for LDL-Cholesterol Lowering in the Management of Atherosclerotic Cardiovascular Disease Risk, American College of Cardiology (ACC)
- Board, American Society for Preventive Cardiology
- Board, National Lipid Association
- Scientific Meeting Committee, National Lipid Association
- Co-chair, Project Review Committee, National Lipid Association

Bozkurt, Biykem, M.D.

- Member, Question Writing Committee, Advanced Heart Failure and Cardiac Transplant, American Board of Internal Medicine
- Member, Clinical Policy Approval Committee, ACC
- Member, Subspecialty Work Group, Membership Committee, ACC
- Member, Science and Quality Operations Subcommittee, ACC
- Chair, Heart Failure and Transplant Council, ACC
- Chair, ACCF/AHA Task Force on Clinical Data Standards
- Member, ACCF/AHA Task Force on Performance Metrics
- President-Elect, Heart Failure Society of America
- Member, Board of Directors, Heart Failure Society of America
- Treasurer, Heart Failure Society of America
- Chair, Finance Committee, Heart Failure Society of America
- Member, Development Committee, Heart Failure Society of America
- Member, International Relations Committee, Heart Failure Society of America
- Member, Nominations Committee, Heart Failure Society of America

Denktas, Ali, M.D.

- Member, Competency Management Committee, ACC
- Member, Exhibits Committee, ACC
- Member, Education Committee, Society for Cardiovascular Angiography and Interventions
- Co-chair, Education Workgroup, Federal Cardiology Section, ACC
- Member, Federal Cardiology Leadership Council, ACC

Deswal, Anita, M.D.

- Topic Coordinator, Annual Scientific Session Program Committee (Heart Failure), ACC
- Member, Annual Scientific Session Program Committee (Heart Failure), ACC
- Member and AHA representative, Measures Advisory Committee of the Physician Consortium for Performance Improvement, 2019-2022
- Project Leader, ISHLT and HFSA Guideline on Acute Mechanical Circulatory Support, 2018-present
- Member, 2019 Heart Failure Society of America Annual Scientific Session Program Committee, 2018-2019

- Member, Guideline writing committee for the ACC/AHA guideline on Hypertrophic Cardiomyopathy, 2018-current
- Member, Heart Failure Systems of Care Advisory Group of the AHA/American Stroke Association, July, 2018 - June, 2020

Fedson, Savitri, M.D.

- Member, Committee, Advanced Heart Failure and Cardiac Transplant, American Board of Internal Medicine
- Member, Ethics Committee, Heart Failure Society of America
- Member, Writing Committee, Heart Failure Society of America

Hamzeh, Ihab, M.D.

- Member, ABIM Governance: Cardiovascular Disease Item-Writing Task Force

Levine, Glenn, M.D.

- Chair, ACC/AHA Task Force on Clinical Practice Guidelines
- Member, AHA Manuscript Oversight Committee
- Member, AHA Scientific Statement Task Force for Updating AHA Scientific Statement
- Member, ACC/AHA Leadership Ad Hoc Committee on Guideline Optimization
- Pet Science Advisor, AHA Pet Companion Initiative

Nair, Ajith, M.D.

- Member, Heart Failure and Transplantation Committee, Council on Clinical Cardiology, AHA
- Member, National Standards Committee for Heart Failure Care, Catholic Health Initiatives
- Member, United Network of Organ Sharing Region 4 Review Committee

Nambi, Vijay, M.D.

- Member, Planning Committee (Prevention), Annual Scientific Session, ACC

Stainback, Raymond, M.D.

- Vice President, American Society of Echocardiography

Virani, Salim, M.D.

- Co-Chair, Global CVD Prevention Program, ACC
- Chair, Leadership Council and Council for the Prevention of Cardiovascular Disease, ACC
- Appointed Member, NCDR Management Board for the ACC
- Chair, Research and Publications Committee, PINNACLE Registry, National Cardiovascular Data Registry, ACC
- Member, Planning Committee, Roundtable on Cardiovascular Risk Communication for Patients and Their Clinicians
- Member, Planning Committee, Roundtable on LDL and Beyond: Emerging Management Strategies for Patients with Dyslipidemia
- Topic Coordinator (Prevention), Annual Scientific Session Program Committee, ACC
- Member, Steering Committee, ACC.org
- Chair, Heart Disease and Stroke Statistics Committee, AHA

- Member, EPI Leadership Committee, Council on Epidemiology and Prevention, AHA
- Board of Directors, American Society of Preventive Cardiology

Editorial Board Memberships and Editorial Positions

Ballantyne, Christie, M.D.

- Editor, *lipidsonline.org*
- Chair, Advisory Board, BioCritique Cardiovascular Forum
- Editorial Board, *Circulation*
- Editorial Board, *Clinical and Translational Science*
- Editorial Board, *Current Cardiology Reviews*
- Editorial Board, *Future Lipidology*

Birnbaum, Yochai, M.D.

- Editorial Board, *Annals of Noninvasive Electrocardiology*
- Associate Editor, *Cardiovascular Drugs and Therapy*
- Editorial Board, *Current Pharmaceutical Design*
- Editorial Board, *International Journal of Clinical Cardiology*
- Honorary Editor-in-Chief, *Journal of Cardiology and Therapy*
- Editorial Board, *Journal of Cardiovascular Medicine and Therapy*
- Editorial Board, *Journal of Cardiovascular Pharmacology and Therapeutics*
- Editorial Board, *Journal of Geriatric Cardiology*
- Editorial Board, *Journal of Heart Surgery and Treatment*
- Special Section Editor, "Clinical Trials," *Journal of Electrocardiology*
- Section Editor, "Cardiology," *Open Cardiovascular Medicine Journal*
- Editorial Board, *Reviews in Cardiovascular Medicine*
- Editorial Board, *Texas Heart Journal*

Bozkurt, Biykem, M.D.

- Senior Associate Editor, *Circulation*
- Associate Editor, *Circulation Heart Failure*
- Editorial Board, *CurrentMD*
- Editorial Board, *Journal of American College of Cardiology*
- Section Editor, "Heart Failure," *Journal of American College of Cardiology*

Denktas, Ali, M.D.

- Editorial Board, *Anatolian Cardiology Journal*
- Editorial Board, *Marmara University Journal*

Deswal, Anita, M.D.

- Guest Editor, *Circulation Heart Failure*
- Editorial Board, *Journal of American College of Cardiology*

- Editorial Board, *Journal of Cardiac Failure*

Diez, Jose, M.D.

- Editorial Board, *Cardiovascular Pharmacology*
- Editorial Board, *Journal of Clinical & Experimental Cardiology*
- Associate Editor, *Texas Heart Institute Journal*

Nambi, Vijay, M.D.

- Editorial Board, *Circulation*
- Editorial Board, *DynaMed Plus*
- Editorial Board, *Circulation*

Virani, Salim, M.D.

- Associate Editor, Innovations, ACC.org
- Guest Editor, *Circulation*
- Editorial Board, *Circulation*
- Section Editor, "Coronary Heart Disease," *Current Atherosclerosis Reports*
- Associate Editor, *Journal of Clinical Lipidology* (Section specialty: Cardiovascular Outcomes and Guidelines)

Other Significant Accomplishments

Alam, Mahboob, M.D.

- Appointed Associate Director for Cardiology Fellowship Program (BSLMC Site)
- Presented more than 10 abstracts at ACC/SCAI/AHA

Birnbaum, Yochai, M.D.

- Invited lecture, Approach to the interpretation of the 12-lead ECGs of pacemaker/ICDs. 2018 International Congress on Electrocardiology, 45th Congress of the International Society of Electrocardiology and 18th Congress of the International Society for Holter and Noninvasive Electrocardiology. Chiba, Japan. June 28-30, 2018
- Invited lecture, Anterior STEMI- new classification based on cMR correlation. 2018 International Congress on Electrocardiology. 45th Congress of the International Society of Electrocardiology and 18th Congress of the International Society for Holter and Noninvasive Electrocardiology. Chiba, Japan. June 28-30, 2018
- Invited lecture, Potential pleiotropic effects of SGLT2- and DPP4- inhibitors, lesions learnt from rodent models. 2nd International Conference on Diabetes and its Complications. Oct. 22-24, 2018 Houston, Texas
- Invited lecture, Potential pleiotropic effects of SGLT2- and DPP4- inhibitors, lesions learnt from rodent models. 14th World Congress on Endocrinology & Diabetes. Nov. 21-22. Paris, France
- Invited lecture, SGLT-2 inhibitors and the heart: Mechanisms of protection. Key note lecture. World Congress on Hypertension and Cardiovascular Diseases. Nov. 21-22. Paris, France
- Invited lecture, Interpretation of ECGs of patients with pacemakers and ICDs. World Congress on Hypertension and Cardiovascular Diseases. Nov. 21-22. Paris, France
- Invited lecture, SGLT-2 inhibitors and the heart: mechanisms of protection. Key note lecture. The Fourth World Heart Congress. April 29-May2, 2019. Kyoto, Japan

- Invited lecture, Potential pleiotropic effects of SGLT2- and DPP4- inhibitors, lessons learnt from rodent models. Key note lecture. Fourth World Heart Congress. April 29-May 2, 2019. Kyoto, Japan
- Invited lecture, Interpretation of ECGs of patients with pacemakers and ICDs. The Fourth World Heart Congress. April 29-May 2, 2019. Kyoto, Japan
- Invited lecture, Localization of MI: CMR-ECG correlations. 46th International Congress on Electrocardiology Joint Meeting of ISHNE and ISE. May 30-June 01, 2019. Belgrade, Serbia
- Invited lecture, 12-Lead Interpretation of Pacemakers/ICDs. 46th International Congress on Electrocardiology Joint Meeting of ISHNE and ISE. May 30-June 01, 2019. Belgrade, Serbia

Civitello, Andrew, M.D.

- Invited lecture, “Partnering with Nephrology to Improve heart Failure Patient Outcomes,” Abbott - Multidisciplinary Approach to Managing Heart Failure Patients, Minneapolis, MN, Oct. 27, 2018
- Invited lecture, "Advanced Heart Failure Management: Timing is Everything," Abbott - Multidisciplinary Approach to Managing Heart Failure Patients, Minneapolis, MN, Oct. 27, 2018
- Invited lecture, "Treating Patients with CHF and LV Systolic Dysfunction by Treating Mitral Regurgitation," 18th Texas Update in Cardiovascular Advancements, Houston, Texas, Feb. 9, 2019
- Invited lecture, "The Optimal Support Platform in Shock: Let’s Not Forget the IABP,” 2nd Annual Houston Shock Symposium, Houston, Texas, March, 2, 2019
- Invited lecture, "Waiting for Transplantation: A Heart Transplant and LVAD Patient Perspective,” Moderator. 4th Annual O.H. “Bud” Frazier Transplant Roundup Conference, Houston, Texas, March 29, 2019

Deswal, Anita, M.D.

- Presentation entitled, “The Intersection of heart failure and Diabetes: Epidemiology and Outcomes” and Panelist for session, Annual Scientific Sessions of the ACC, New Orleans, LA, March 2019
- Panelist for “Joint ACC/JAMA Late Breaking Clinical Trials,” Annual Scientific Sessions of the ACC, New Orleans, LA, March 2019
- Co-Chair for session, “HFpEF: Why Is My Patient Huffing and Puffing? How Can We Help?”; Annual Scientific Sessions of the ACC, New Orleans, LA, March 2019
- Co-Chair for session, “Highlighted Original Research: Heart Failure and Cardiomyopathies and Year in Review,” Annual Scientific Sessions of the ACC, New Orleans, LA, March 2019
- Presentation entitled, “Invasive and Noninvasive Hemodynamics in the CICU” in session, “Cardiovascular Seminar entitled Got Tech? Technology in a 21st Century Cardiac Intensive Care Unit.” Annual Scientific Sessions of the American Heart Association, Chicago, IL, November 2018
- Moderator, “Cardiovascular Seminar entitled Got Tech? Technology in a 21st Century Cardiac Intensive Care Unit.” Annual Scientific Sessions of the AHA, Chicago, IL, November 2018
- Presentation entitled, “Weight Loss in HF: The Obesity Paradox” in session, “Help or Harm? Common Controversies in the Management of HF.” Annual Scientific Sessions of the Heart Failure Society of America, Nashville, TN, September 2018
- National Webinar for Get with the Guidelines – Heart Failure. Presentation entitled, “Foundations of HfpEF.” July 2018

Diez, Jose, M.D.

- Abstract presentation, Katsnelson, M. and J. Diez. Slow Coronary Flow is Associated with Left Ventricular Diastolic Dysfunction and Left Atrial Dilatation (2019). JACC: Cardiovascular Interventions 12: S35
- Abstract presentation, Katsnelson MA, Bhaljia M, Diez J. Risk Factor Analysis for Patients with Slow Coronary Flow (2018). Cardiology 140(S1): 233-242
- Faculty – “TAVI : Special Scenarios – Low flow, low gradient aortic stenosis” 11th International Symposium for Innovations and New Therapies in Heart Failure. Zagreb, Croatia. Sept. 5-8, 2018
- Faculty – “PCI Pharmacotherapy: Periprocedural Antithrombotic and Antiplatelet Therapy. Session I. Discussant.” TCT CRF, San Diego, CA. Sept. 21-25, 2018
- Faculty – 1. “From Newborn to Adult – Aortic Stenosis. Panel” and 2. “Is there a role for TAVI in the young. Presenter.” CSI Frankfurt 2019. Frankfurt, Germany. June 26-29, 2019
- Teaching coordinator BCM cardiovascular programs: Cardiovascular Disease (A) SLEH-141482112042-0 (Cardiovascular Disease Fellowship Program: HGCA at BCM)
- Teaching coordinator BCM cardiovascular programs: Internal Medicine-BSLMC CARD1 – 140482142242-0 (Cardiology: HGCA at BCM Clinical Cardiology Consultation Service)

Fedson, Savitri, M.D.

- Invited attendee/speaker Consensus Symposium on Simultaneous Multi Organ Transplant - American Transplant Congress, Boston 2018
- Speaker AAHFN Annual Meeting
- MiniDebates “Use of Pulmonary Artery Catheterization is Necessary for Cardiogenic Shock,” debating Lynne Warner Stevenson. AHA, Scientific Sessions, Nov. 11. Chicago, IL

Hamzeh, Ihab, M.D.

- Played a significant role in providing MOC credit for the ECHO Boot Camp conference in 2019

Kayani, Waleed, M.D.

- CRT Young Leaders Award
- Houston’s Top Doctors

Lakkis, Nasser, M.D.

- AHA award for the Section of Cardiology at Ben Taub: Get With The Guidelines-Heart Failure Silver, 2019
- AHA award for the Section of Cardiology at Ben Taub: Mission: Lifeline NSTEMI-GOLD Quality Achievement Award, 2019
- AHA award for the Section of Cardiology at Ben Taub: Mission: Lifeline STEMI Receiving Center –GOLD PLUS Quality Achievement Award, 2019
- AHA award for the Section of Cardiology at Ben Taub: Chest Pain-MI Registry, Performance Achievement Award-Platinum, 2019
- Grand rounds at UTSA: Quality care in Cardiology Apr 2019
- Grand rounds at University of Nebraska, Omaha 2019
- Invited to speak at AHA-QCOR Quality Conference in Washington, 2019
- Director and Organizer of Third Cardiovascular Symposium at Harris Health, 2019
- Instituted multiple Quality Metrics at Ben Taub (Radial First, In patient CHF management algorithm, hand hygiene, patient safety, etc.)

Levine, Glenn, M.D.

- Greater inner peace through meditation, mindfulness, and the study of Eastern philosophies

Misra, Arunima, M.D.

- Member, Selection Committee for Baylor's Star Faculty Award for Excellence in Patient Care
- Member, Academy of Distinguished Educators
- Member, Vice-Chair Group for Faculty Development
- Member, Admissions Interviewing Subcommittee

Nair, Ajith, M.D.

- Site Principal Investigator: REDUCE LAP-HF II: Study to Evaluate the Corvia Medical Intra-atrial Septal Device System II to Reduce Elevated Left Atrial Pressure in patients with Heart Failure. Study Sponsor: Corvia.
- ACC Lecture: "Treatment Strategies for the Right Heart in Pulmonary Hypertension: Which Therapies, in Whom and When?" ACC (New Orleans, LA). March 16, 2019

Virani, Salim, M.D.

- Promotion to professor
- Guideline Writing Panel for the 2018 AHA/ACC Multisociety Guideline on the Management of Blood Cholesterol
- Guideline Writing Panel for the 2019 ACC/AHA Guideline on Primary Prevention of Cardiovascular Disease
- Panel Member for the World Heart Federation's Diabetes and Cardiovascular Disease Road Map

RESEARCH ACTIVITIES

Grants

Ballantyne, Christie, M.D.

- Profiling Cardiovascular Events and Biomarkers in the Very Old to Improve Personalized Approaches for the Prevention of Cardiac and Vascular Disease; NIH/NHLBI (R01); annual direct costs \$549,802
- Atherosclerosis Risk in Communities Study–Field Centers; NIH; annual direct costs \$311,673
- Monocyte Activation and the Role of CD11c in Obesity-Linked Metabolic Syndrome; NIH/NHLBI (R01); annual direct costs \$241,769
- Diabetes and Prediabetes in Older Adults; NIH/NIDDK (R01); annual direct costs \$36,371
- miRNAs, Whole Diet, and Coronary Heart Disease; NIH/NHLBI (R56); total direct costs \$12,147
- Elucidating the Role of Adipokines in Mediating and Predicting HF Associated with Obesity; NIH/NHLBI (R01); annual direct costs \$185,441
- The Familial Hypercholesterolemia Foundation Cascade-FH Registry; Duke University; total direct costs \$20,000
- Measurement of Galectin-3 at Visit 4 and Visit 5 for the Full ARIC Cohort; Abbott Laboratories; total direct costs \$31,500
- hsTroponin Screening at Visit 4 and Visit 5 for the Full ARIC Cohort; Abbott Laboratories; total direct costs \$371,965

- A Randomized, Double-blind, Placebo-controlled, Dose-ranging Phase 2 Study of ISIS 681257 Administered Subcutaneously to Patients with Hyperlipoproteinemia(a) and Established Cardiovascular Disease (CVD); Akcea Therapeutics; total direct costs \$172,510
- A Randomized, Double-blind, Placebo-controlled, Dose-ranging Phase 2 Study of ISIS 678354 Administered Subcutaneously to Patients with Hypertriglyceridemia and Established Cardiovascular Disease; Akcea Therapeutics; total direct costs \$206,886
- A Multicenter, Open-Label, Single-Arm, Extension Study to Assess Long-Term Safety of Evolocumab Therapy in Patients with Clinically Evident Cardiovascular Disease; Amgen Inc; total direct costs \$45,670
- A Randomized, Double-Blind, Placebo-Controlled Study to Assess the Effects of Bempedoic Acid (ETC-1002) on the Occurrence of Major Cardiovascular Events in Patients with, or at High Risk for, Cardiovascular Disease Who Are Statin Intolerant; Esperion Therapeutics; total direct costs \$40,614
- A Randomized, Double-Blind, Parallel-group Study to Evaluate the Efficacy and Safety of Bempedoic Acid 180 mg + Ezetimibe 10 mg Fixed-dose Combination Compared to Bempedoic Acid, Ezetimibe, and Placebo Alone in Patients Treated With Maximally Tolerated Statin Therapy; Esperion Therapeutics; total direct costs \$21,194
- A Multicenter Open-Label Extension Study to Assess the Long-term Safety and Efficacy of Bempedoic Acid (ETC-1002) 180 mg; Esperion Therapeutics; total direct costs \$22,400
- A Randomized, Double-Blind, Placebo-Controlled, Event-Driven Trial of Quarterly Subcutaneous Canakinumab in the Prevention of Recurrent Cardiovascular Events among Stable Post-Myocardial Infarction Patients with Elevated hsCRP; Novartis Pharmaceutical Company; total direct costs \$125,877
- A Randomized, Placebo-Controlled Study of the Safety and Efficacy Following Repeat-Dose Administration of Evinacumab (Anti-ANGPTL3) in Patients with Severe Hypertriglyceridemia (SHTG) at Risk for Acute Pancreatitis; Regeneron Pharmaceuticals; total direct costs \$65,000

Hamzeh, Ihab, M.D.

- A Long-Term Outcomes Study to Assess Statin Residual Risk Reduction with Epanova in High Cardiovascular Risk Patients with Hypertriglyceridemia (STRENGTH); Astra Zeneca; total direct costs \$131,115
- Pemafibrate to Reduce Cardiovascular Outcomes by Reducing Triglycerides in Patients with Diabetes; Kowa Research Institute; total direct costs \$3,361

Misra, Arunima, M.D.

- Care Optimization Through Patient and Hospital Engagement Clinical Trial for Heart Failure (CONNECT-HF); Duke University; total direct costs \$50,000 (08/07/2018–08/06/2021)
- A Multicenter, Randomized, Double-Blind, Double Dummy, Parallel Group, Active-Controlled 8-Week Study to Evaluate the Effect of Sacubitril and Valsartan (LCZ696) versus Enalapril on Changes in NT-proBNP and Safety and Tolerability of In-hospital Initiation of LCZ696 Compared to Enalapril in HFrEF Patients Who Have Been Stabilized Following Hospitalization for Acute Decompensated Heart Failure; Novartis; total direct costs \$328,324
- A Multicenter, Randomized, Double-blind, Active-controlled, Parallel Group Phase 3 Study to Evaluate the Efficacy and Safety of LCZ696 Compared to Ramipril Morbidity and Mortality in High Risk Patients Following an Acute Myocardial Infarction; Novartis; total direct costs \$29,550

- A Multicenter, Double-blind, Randomized, Placebo-controlled, Multicenter Study to Assess the Efficacy and Safety of Omecamtiv Mecarbil on Mortality and Morbidity in Subjects with Chronic Heart Failure with Reduced Ejection Fraction; Amgen; total direct costs \$248,033

Nambi, Vijay, M.D.

- Biomarker Guided Therapies in Stage A/B Heart Failure; VA Office of Research and Development; annual direct costs \$14,189 (04/01/2014–03/31/2019)
- TIMI 55/REVEAL (Randomized Evaluation of the Effects of Anacetrapib through Lipid-Modification): A Large Scale, Randomized, Placebo-Controlled Trial of the Clinical Effects of Anacetrapib among People with Established Vascular Disease; Brigham and Women's Hospital; total direct costs \$150,000 (11/01/2011–05/09/2019)

Virani, Salim, M.D. (PI)

- Determining and Targeting Reasons for Low Statin Use to Improve Guideline-Concordant Statin Therapy in High-Risk Patients; VA Merit Award; total direct costs: \$1,097,703 (07/01/2017–06/30/2021)

Publications

American Heart Journal (IF **4.332**) – 1
 American Journal of Cardiology (IF **2.843**) – 2
 American Journal of Emergency Medicine (IF **1.704**) – 1
 American Journal of Epidemiology (IF **4.473**) – 1
 American Journal of Human Genetics (IF **9.025**) – 1
 Hypertension (IF **7.017**) – 1
 American Journal of Kidney Disease (IF **7.62**) – 1
 American Journal of Medicine (IF **5.003**) – 1
 American Journal of Perinatology (IF **1.581**) 1
 Angiology (IF 2.931) -1
 Annals of Internal Medicine (IF **19.315**) - 1
 Annals of Noninvasive Electrocardiology (IF **1.235**) – 4
 Annals of Thoracic and Cardiovascular Surgery (IF **5.261**) – 2
 Annals of Thoracic Surgery (IF **3.849**) – 2
 ASAIO (IF **2.494**) – 4
 Atherosclerosis (IF **4.239**) – 4
 BMC Cardiovascular Disorders (IF **1.947**) – 1
 BMJ Case Reports (IF N/A) – 1
 Cardiology and Therapy (IF N/A) – 1
 Cardiology (IF **1.994**) – 1
 Cardiovascular Diagnosis and Therapy (IF **2.006**) – 1
 Cardiovascular Drugs and Therapy (IF **3.189**) – 3
 Cardiovascular Endocrinology and Metabolism (IF N/A) – 1
 Cardiovascular Research (IF **7.014**) – 2
 CASE (IF N/A) – 2
 Catherization and Cardiovascular Intervention (IF **2.551**) – 1
 Cellular Physiology and Biochemistry (IF **5.5**) – 2
 Circulation: Cardiovascular Quality and Outcomes (IF **4.906**) – 1
 Circulation: Genomic and Precision Medicine (IF **23.054**) – 2
 Circulation: Heart Failure (IF **6.286**) 1

Circulation (IF **23.054**) – 17
 Cleveland Clinic Journal of Medicine (IF **1.855**) – 1
 Clinical Cardiology (IF **2.431**) – 1
 Clinical Chemistry (IF **8.008**) – 1
 Clinical Journal of the American Society of Nephrology (IF **6.243**) – 1
 Current Atherosclerosis Reports (IF **3.417**) – 5
 Current Cardiology Report (IF **2.395**) – 1
 Current Cardiovascular Risk Report (IF **N/A**) – 1
 Current Diabetes Reports (IF **3.568**) – 1
 Emergency Medicine Journal (IF **2.046**) – 1
 Endocrine Reviews (IF **15.745**) – 1
 European Heart Journal (IF **24.889**) – 4
 Frontiers in Cardiovascular Medicine (IF **N/A**) – 1
 Global Health (IF **3.208**) – 1
 Health Policy and Planning (IF **2.717**) – 1
 Heart Asia (IF **0.82**) – 1
 Heart Failure Clinics (IF **1.41**) – 1
 Heart Rhythm (IF **5.225**) – 1
 Human Genetics (IF **3.930**) – 1
 Human Molecular Genetics (IF **4.544**) – 1
 Indian Heart Journal (IF **0.48**) – 2
 International Journal of Cardiology (IF **4.034**) – 1
 International Journal of Cardiovascular Imaging (IF **1.737**) – 1
 International Journal of Stroke (IF **4.466**) – 1
 Journal of the American College of Cardiology (IF **18.639**) – 20
 Journal of the American Heart Association (IF **5.117**) – 6
 Journal of Cardiac Failure (IF **3.942**) – 4
 Journal of Cardiac Surgery (IF **1.351**) – 1
 Journal of Cardiovascular Pharmacology and Therapeutics (IF **2.094**) – 1
 Journal of Clinical Lipidology (IF **3.580**) – 1
 Journal of Clinical Medicine (IF **5.688**) – 1
 Journal of Critical Care (IF **2.191**) – 1
 Journal of Electrocardiology (IF **1.363**) – 8
 Journal of General Internal Medicine (IF **4.606**) – 2
 Journal of Human Hypertension (IF **2.433**) – 1
 Journal of Invasive Cardiology (IF **2.106**) – 1
 Journal of Thrombosis and Haemostasis (IF **4.662**) – 1
 Journal of Thoracic and Cardiovascular Surgery (IF **4.880**) – 2
 Journal of Womens Health (IF **2.322**) – 1
 JAAPA (IF **0.463**) -1
 JACC: Cardiovascular Imaging (IF **10.975**) – 2
 JACC: Heart Failure (IF **7.815**) – 2
 JAMA: Cardiology (IF **11.866**) – 7
 JAMA: Network Open (IF **51.273**) – 1
 Kidney International (IF **8.395**) – 1
 Methodist DeBakey Cardiovascular Journal (IF **0.740**) – 1
 Texas Heart Institute Journal (IF **.758**) – 5
 Thrombosis and Haemostasis (IF **4.952**) - 1

Books and Book Chapters

- Fedson S.** ISHLT Monograph Series Vol 12: Management of Fungal Infections in Mechanical Circulatory Support and Cardiothoracic Organ Transplant Recipients. UAB Printing. 2018
- Nambi V** (ed). *Biomarkers in Cardiovascular Disease*, 1st Ed. St. Louis, MO: Elsevier, 2019.
- Saeed A, **Nambi V**, Jones PH. Advanced lipid testing. In: **Nambi V** (ed). *Biomarkers in Cardiovascular Disease*, 1st Ed. St. Louis, MO: Elsevier, 2019:53–60.
- Milks MW, **Nambi V**. Cardiac injury, maladaptation, and heart failure incidence. In: **Nambi V** (ed). *Biomarkers in Cardiovascular Disease*, 1st Ed. St. Louis, MO: Elsevier, 2019:81–96.
- Saeed A, **Ballantyne CM**. Future directions in the use of biomarkers for prevention of cardiovascular disease. In: **Nambi V** (ed). *Biomarkers in Cardiovascular Disease*, 1st Ed. St. Louis, MO: Elsevier, 2019:171–177.
- Bozkurt B.** Epidemiology, Pathophysiology and Diagnosis of Heart Failure in Heart Failure @Point of Care edited by Gregg Fonarow, M.D., Publisher: Projects in Knowledge Inc. 2018
- Shah T** and **Bozkurt B.** HIV and Heart Failure, Wayne Shandera. 2018
- Bozkurt B.** Heart Failure as a Consequence of Dilated Cardiomyopathy: in *A Companion to Heart Disease*, edited by Mann D.L., 2018, W.B. Saunders
- Kayani W, Deswal A.** Neurohormonal Blockade for Color Atlas and Synopsis of Heart Failure. 1st Edition. Ed. R. Baliga; McGraw Hill. 2018
- Fedson S, Misra A, Deswal A.** Treatment of Heart Failure with Preserved Ejection Fraction. In Heart Failure-a companion to Braunwald’s Heart Disease. 4th ed. Ed. Mann DL, Felker GM. Saunders Elsevier, Philadelphia. 2019
- Fedson S.** Cardiovascular Ethics in Braunwald’s Heart Disease, 11th ed.

HONORS AND AWARDS

Alam, Mahboob, M.D.

- Top Doctor, *Houstonia*, 2018

Ballantyne, Christie, M.D.

- Castle Connolly Top Doctors: Southeast Texas, Castle Connolly Medical Ltd., 2018
- Castle Connolly Top Doctors in Texas for the Speciality of Cardiovascular Disease, Castle Connolly Medical Ltd., 2018
- Castle Connolly Top Doctors in America, Castle Connolly Medical Ltd., 2019
- 2018 Highly Cited Researcher presented by Clarivate Analytics, Web of Science, top 1% of researchers most cited
- *U.S. News & World Report* list of top doctors, 2019
- Fellow, American Society for Preventive Cardiology, 2019
- Michael E. DeBakey, M.D., Excellence in Research Award, Baylor College of Medicine, 2019

Bozkurt, Biykem, M.D.

- Selected among top 100 Turks Leading Medicine, and ranked 16th from top by Turkish Time Magazine, 2018
- Selected among the Top 15 Turkish Women Scientists in Medicine, ranked 2nd by Turkish Time Magazine, 2019

- Ben and Margaret Love Foundation Bobby Alford Presidential Award for Academic Clinical Professionalism, Baylor College of Medicine (Highest Professionalism Award at Baylor College of Medicine), 2019

Denktas, Ali, M.D.

- Adjunct Professor, Cardiology, Koc University Medical Faculty, Istanbul, Turkey, 2019-Present

Diez, Jose, M.D.

- Accepted as Fellow: American College of Physicians, Philadelphia, PA. April 2019

Hamzeh, Ihab, M.D.

- Top Doctors, *Houstonia*, 2019

Lakkis, Nasser, M.D.

- Interventional Cardiology Teaching Award, 2019
- Inducted to Alpha Omega Alpha for life
- Houstonia Top Doctor 2019
- Castle Connolly List of top Doctors 2019
- Selected as a new member to ACC fellow research award committee, 2019
- Abstract reviewer TCT 2018

Levine, Glenn, M.D.

- Robertson Presidential Award for Educational Excellence, Baylor College of Medicine
- Gifted Educator Award, ACC

Misra, Arunima, M.D.

- Baylor College of Medicine Cardiology Outstanding Commitment to Teaching Award, June 2019

Nair, Ajith, M.D.

- Houstonia Top Doctors (Cardiology), 2019
- ACC Emerging Faculty Leadership Conference, ACC (December 2018)

Virani, Salim, M.D.

- Article of the Year Award for the Physician Assistant Education Association
- Inducted into Best Doctors database

SECTION OF CARDIOVASCULAR RESEARCH



SECTION CHIEF

Christie M. Ballantyne, M.D.

The Section of Cardiovascular Research had another successful year. With 126 papers published, including 47 manuscripts in journals with impact factor >10, the section continues to be a national leader in cardiovascular research. Key research studies include the first clinical trial to show the cardiovascular benefits of eicosapentaenoic acid in patients with elevated triglycerides who were at high risk for atherosclerotic cardiovascular disease events already treated with statins. The Center for Cardiometabolic Disease Prevention is conducting early-phase research trials targeting severe lipid disorders with biotechnology agents including monoclonal antibodies and antisense oligonucleotides.

This annual report outlines some of the achievement and recognitions received in 2019.

A handwritten signature in black ink that reads "Christie M. Ballantyne". The signature is fluid and cursive.

Christie M. Ballantyne, M.D.

Professor of Medicine

Chief, Section of Cardiovascular Research

HIGHLIGHTS

New NIH grants

Mark L. Entman, M.D., and **Katarzyna A. Cieslik, Ph.D.**, are PIs for an NIH/NIA-funded R01 entitled "Interaction of Mesenchymal and Myeloid Fibroblasts in Inflammatory-Based Fibrosis in the Aging Heart," which examines cellular and molecular interactions between mesenchymal and myeloid fibroblasts and potential rescue approaches to reduce diastolic dysfunction and cardiac fibrosis in the aging heart. **Joann Trial, Ph.D.**, is a coinvestigator.

Na Li, Ph.D., is a PI for an NIH/NHLBI-funded R01 entitled "Mechanisms Underlying Atrial Fibrillation Associated with Chronic Kidney Disease," which examines molecular and cellular mechanisms underlying the development of atrial fibrillation as a result of inflammasome activation in atrial myocytes in mice with chronic kidney disease.

Christie M. Ballantyne, M.D., and **Ron C. Hoogveen, Ph.D.**, are coinvestigators for an NIH/NHLBI-funded R01 entitled "Elucidating the Role of Adipokines in Mediating and Predicting HF Associated with Obesity."

Ron C. Hoogeveen, Ph.D., is a coinvestigator for an NIH/NCI-funded R01 entitled "Endogenous Hormones and Postmenopausal Breast Cancer: Etiologic Insights and Improving Risk Prediction."

Publications in High-Impact Journals

New England Journal of Medicine [IF: **70.67**]: 4

Nature Genetics [IF: **25.455**]: 1

European Heart Journal [IF: **23.239**]: 5

Circulation [IF: **23.054**]: 13

Cell Stem Cell [IF: **21.464**]: 1

Journal of the American College of Cardiology [IF: **18.639**]: 12

Circulation Research [IF: **15.862**]: 3

Diabetes Care [IF: **15.27**]: 1

Endocrine Reviews [IF: **15.167**]: 1

JAMA Cardiology [IF: **11.866**]: 6

American Journal of Human Genetics [IF: **9.924**]: 1

FACULTY

Atherosclerosis and Vascular Medicine

Division Chief

- Christie M. Ballantyne, M.D.

Primary Faculty

- John P. Foreyt, M.D.
- Ron C. Hoogeveen, M.D.
- Peter H. Jones, M.D.
- Na Li, M.D.
- Hua Mao, M.D.
- Vijay Nambi, M.D.
- Xinchun Pi, M.D.
- Salim S. Virani, M.D.
- Huaizhu Wu, M.D.
- Liang Xie, M.D.

Emeritus Faculty

- Joel D. Morrisett, Ph.D.
- Louis C. Smith, Ph.D.
- Chao-Yuh Yang, Ph.D.

Cardiovascular Sciences

Division Chief

- Mark L. Entman, M.D.

Primary Faculty

- Katarzyna A. Cieslik, M.D.
- Sandra B. Haudek, M.D.
- Anilkumar K. Reddy, M.D.
- Joann Trial, M.D.

Joint Faculty

- Robert M. Bryan Jr., M.D.
- George E. Taffett, M.D.

Emeritus Faculty

- Margaret A. Goldstein, M.D.

- Craig J. Hartley, M.D.
- Lloyd H. Michael, M.D.

Adjunct Faculty

- Oliver Dewald
- Nikolaos G. Frangogiannis, M.D.

Hypertension and Clinical Pharmacology

Division Chief

- Addison A. Taylor, M.D.

Primary Faculty

- James L. Pool, M.D.

Joint Faculty

- William E. Fann, M.D.

Thrombosis Research

Interim Division Chief

- Miguel Cruz, Ph.D.

Primary Faculty

- Vinod Vijayan, Ph.D.

Joint Faculty

- Trung C. Nguyen, M.D.
- Mona D. Shah, M.D.
- C Wayne Smith, M.D.
- Jun Teruya, M.D.
- Perumal Thiagarajan, M.D.

Adjunct Faculty

- Jing-Fei Dong, M.D.
- Michael H. Kroll, M.D.

Emeritus Faculty

- Joel Moake, M.D.

RESEARCH ACTIVITIES

Ballantyne, Christie, M.D.

- The Familial Hypercholesterolemia Foundation CASCADE-FH Registry; Duke University; \$20,000
- Measurement of Galectin-3 at Visit 4 and Visit 5 for the Full ARIC cohort; Abbott Laboratories; \$31,500
- hsTroponin Screening at Visit 4 and Visit 5 for the Full ARIC Cohort; Abbott Laboratories; \$371,965
- A Randomized, Double-blind, Placebo-controlled, Dose-ranging Phase 2 Study of ISIS 681257 Administered Subcutaneously to Patients with Hyperlipoproteinemia(a) and Established Cardiovascular Disease (CVD); Akcea therapeutics; \$206,886
- A Randomized, Double-blind, Placebo-controlled, Dose-ranging Phase 2 Study of ISIS 678354 Administered Subcutaneously to Patients with Hypertriglyceridemia and Established Cardiovascular Disease; Akcea Therapeutics; \$206,886
- A Multiple, Open-Label, Single-Arm, Extension to Study to Assess Long-Term Safety of Evolocumab Therapy in Patients with Clinically Evident Cardiovascular Disease; Amgen Inc; \$45,670
- A randomized, Double-Blind, Placebo-Controlled Study to Assess the Effects of Bempedoic Acid 180mg + Ezetimibe 10mg Fixed-dose Combination Compared to Bempedoic Acid, Ezetimibe, and Placebo Alone in Patients treated With Maximally Tolerated Statin Therapy; Esperion Therapeutics; \$21,194
- A Multicenter Open-Label Extension Study to Assess the Long-term Safety and Efficacy of Bempedoic Acid (ETC-1002) 180mg; Esperion Therapeutics; \$22, 400
- A Randomized, Double-Blind, Placebo-Controlled, Event-Driven Trial of Quarterly Subcutaneous Canakinumab in the Prevention of Recurrent Cardiovascular Events among Stable Post-Myocardial Infarction Patients with Elevated hsCRP; Novartis Pharmaceutical Company; \$125,877
- A Randomized, Placebo-Controlled Study of the Safety and Efficacy Following Repeat-Dose Administration of Evinacumab (Anti-ANGPTL3) in Patients with Severe Hypertriglyceridemia at Risk for Acute Pancreatitis; Regeneron Pharmaceuticals; \$65,000
- Profiling Cardiovascular Events and Biomarkers in the Very Old to Improve Personalized Approaches for the Prevention of Cardiac and Vascular Disease; NIH/NHLBI (R01); \$549,802
- Atherosclerosis Risk in Communities Study-Field Centers; NIH; \$311,673
- Monocyte Activation and the Role of CD11c in Obesity-Linked Metabolic Syndrome; NIH/NHLBI (R01); \$241,769
- Diabetes and Prediabetes in Older Adults; NIH/NIDDK (R01); \$36,371
- miRNAs, Whole Diet, and Coronary Heart Disease; NIH/NHLBI (R56); \$12,147
- Elucidating the Role of Adipokines in Mediating and Predicting HF Associated with Obesity; NIH/NHLBI (R01); \$185,441

Brunner, Gerd, M.D.

- Microvascular Perfusion Assessment of Ischemic Diabetic Ulcers Using MRI; NIH/NHLBI (K25); \$154,958
- MRI Based Calf Muscle Perfusion to Assess Patients with Symptomatic PAD; NIH/NHLBI (R01); \$350,417

- Biomarker Guided Therapies in Stage A/B Heart Failure; VA office of Research and Development; \$14,189

Cieslik, Katarynza, M.D.

- Interaction of Mesenchymal and Myeloid Fibroblasts in Inflammatory-Based Fibrosis in the Aging Heart; NIH/NIA; \$299,467
- Defining the Trafficking of TGF Beta Protein Receptor in Aged Cardiac Fibroblasts; The Medallion Foundation; \$82,500
- The Role of T and B Lymphocytes in the Development of Fibrosis in the Aging Heart; The Medallion Foundation; \$50,000
- Researching the Aging Heart; The Curtis and Doris K. Hankamer Foundation; \$40,000

Cruz, Miguel, M.D.

- Microvascular Thrombosis in Systemic Inflammation; NIH/NIDDK (U01); \$183,401
- Role of Vimentin in Thrombosis and Stroke; NIH/NNDS (R01); \$381,958

Entman, Mark, M.D.

- Interaction of Mesenchymal and Myeloid Fibroblasts in Inflammatory-Based Fibrosis in the Aging Heart; NIH/NIA; \$299,467
- Researching the Aging Heart; The Curtis and Doris K. Hankamer Foundation; \$40,000

Foreyt, John, M.D.

- Study of Health Outcomes of Weight-Loss (Look AHEAD) Trial; NIH/NIDDK; \$45,309
- Vitamin D to Prevent Type 2 Diabetes (D2d Study); NIH/NIDDK (U01); \$45,309

Hoogeveen, Ron, M.D.

- Lipoprotein Subfractions Study: the ARIC Study; Denka Seiken Co, Ltd; \$56,750
- ARIC Study – Field Centers; NIH/NHLBI; \$311,673
- Diabetes and Pre-diabetes in Older Adults; NIH/NIDDK (R01); \$200,000
- Profiling Cardiovascular Events and Biomarkers in the Very Old to Improve Personalized Approaches for the Prevention of Cardiac and Vascular Disease; NIH/NHLBI (R01); \$549,802
- Elucidating the Role of Adipokines in Mediating and Predicting HF Associated with Obesity; NIH/NHLBI (R01); \$185,441
- Endogenous Hormones and Postmenopausal Breast Cancer: Etiologic Insights and Improving Risk Prediction; NIH/NCI; \$76,772

Jones, Peter H., M.D.

- A Multi-center, Prospective, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Effect of AMR101 on Cardiovascular Health and Mortality in Hypertriglyceridemic Patients with Cardiovascular Disease or at High Risk for Cardiovascular Disease: REDUCE-IT; Amarin Pharmaceuticals; \$25,000

Li, Na, M.D.

- Inflammasome Mediated Pathogenesis of Atrial Fibrillation; NIH/NHLBI (R56); \$250,000
- The Role of Inflammasome in the Pathogenesis of Atrial Fibrillation; NIH/NHLBI (R01); \$379,069
- Mechanisms Underlying Atrial Fibrillation Associated with Chronic Kidney Disease; NIH/NHLBI (R01); \$319,145

- Novel Roles of FE^{2+} , 2-Oxoglutarate-Dependent Dioxygenases in Cardiac Function; NIH/NHLBI (R01); \$250,000
- Pitx2 in Atrial Fibrillation; NIH/NHLBI (R01); \$327,304

Nambi, Vijay, M.D.

- Biomarker Guided Therapies in Stage A/B Heart Failure; VA Office of Research and Development; \$14,189
- TIMI 55/REVEAL: A Large Scale, Randomized, Placebo-Controlled Trial of the Clinical Effects of Anacetrapib among People with Established Vascular Disease; Brigham and Women's Hospital; \$150,000

Pi, Xinchun, M.D.

- LRP1 and Endothelial Function; NIH/NHLBI; \$250,000
- Signaling in Endothelial Growth and Angiogenesis; NIH/NHLBI (R01); \$250,000

Trail, Joann, M.D.

- Interaction of Mesenchymal and Myeloid Fibroblasts in Inflammatory-Based Fibrosis in the Aging Heart; NIH/NIA; \$299,467
- Researching the Aging Heart; The Curtis and Doris K. Hankamer Foundation; \$40,000

Vijayan, Vinod, M.D.

- Serine/Threonine Phosphatases and Platelet Physiology; NIH/NHLBI (R01); \$250,000
- PP2B Modulates PhoA Activation and Platelet Function by Targeting RhoGDI; American Heart Association; \$70,000
- Microvascular Thrombosis in Systemic Inflammation; NIH/NIGMS (R01); \$220,000
- Aspirin-PC for Chemoprevention of Colorectal Cancer; NIH/NCI (R42); \$86,000

Virani, Salim, M.D.

- Determining and Targeting Reasons for Low Statin Use to Improve Guideline-Concordant Statin Therapy in High-Risk Patients; VA Merit Award; \$1,097,703

Wu, Huaizhu, M.D.

- Monocyte Activation and the Role of CD11c in Obesity-Linked Metabolic Syndrome; NIH/NHLBI (R01); \$241,769
- ApoCII, Triglyceride-Rich Lipoproteins and Atherogenesis; American Heart Association; \$140,000
- Macrophage/Dendritic Cell Activation and Inflammation in Diet-Induced Obesity; American Diabetes Association; \$104,546

Xie, Liang, M.D.

- Novel Roles of FE^{2+} , 2-Oxoglutarate-Dependent Dioxygenases in Cardiac Function; NIH/NHLBI (R01); \$250,000
- LRP1 and Endothelial Function; NIH/NHLBI (R01); \$250,000
- Signaling in Endothelial Growth and Angiogenesis; NIH/NHLBI (R01); \$250,000

HONORS AND AWARDS

Ballantyne, Christie, M.D.

- Castle Connolly Top Doctors: Southeast Texas, Castle Connolly Medical Ltd., 2018
- Castle Connolly Top Doctors in Texas for the Speciality of Cardiovascular Disease, Castle Connolly Medical Ltd., 2018
- Castle Connolly Top Doctors in America, Castle Connolly Medical Ltd., 2019
- 2018 Highly Cited Researcher presented by Clarivate Analytics, Web of Science, top 1% of researchers most cited
- *U.S. News & World Report* list of top doctors, 2019
- Fellow, American Society for Preventive Cardiology, 2019
- Michael E. DeBakey, M.D., Excellence in Research Award, Baylor College of Medicine, 2019

Entman, Mark, M.D.

- Invited to participate in NIH Cardiac Contractility, Hypertrophy, and Failure (CCHF) Study Section

Haudek, Sandra, M.D.

- Norton Rose Fulbright Faculty Excellence Award for Educational Leadership, 2019
- Norton Rose Fulbright Faculty Excellence Award for Teaching and Evaluation, 2019

Virani, Salim, M.D.

- Article of the Year Award for the Physician Assistant Education Association
- Inducted into Best Doctors database

SECTION OF ENDOCRINOLOGY, DIABETES AND METABOLISM



INTERIM SECTION CHIEF

Marco Marcelli, M.D.

Marco Marcelli, M.D.

Professor of Medicine

Interim Chief, Section of Endocrinology, Diabetes and Metabolism

FACULTY

Interim Section Chief

- Marco Marcelli, M.D.

Primary Faculty

- Neeti Agarwal, M.D.
- Kelly R. Aguilar, M.D.
- Mandeep Bajaj, M.D.
- Ashok Balasubramanyam, M.D.
- Jasmine Boparai, M.D.
- Rui Chen M.D.
- Emilia Cordero, N.P.
- Richard A. (Aaron) Cox, M.D.
- Nancy Greta Renee Dufrane, M.D.
- Ruchi Gaba, M.D.
- Alan J. Garber, M.D.
- Sean M. Hartig, M.D.
- Bryan C. Jiang, M.D.
- Sanjay N. Mediwala, M.D.
- Ha Nguyen, M.D.
- Massimo Pietropaolo, M.D.
- Nalini Ram, M.D.

- Pradip Saha, M.D.
- Susan L. Samson, M.D.
- Rajagopal V. Sekhar, M.D.
- Zheng Sun, M.D.
- Madhuri M. Vasudevan, M.D.
- Dennis T. Villareal, M.D.
- Reina Villareal M.D.
- Li Zhang, M.D.

Joint Faculty

- David Moore, Ph.D.
- Bert W. O'Malley, M.D.
- Kazuhiro Oka, Ph.D.
- Joanne S. Richards, Ph.D.
- Jeffrey M. Rosen, Ph.D.
- Qiang Tong, Ph.D.
- Ming-Jer Tsai, Ph.D.
- Sophia Y. Tsai, Ph.D.

Adjunct Faculty

- Shahid Muhammad
- Vijay Yechoor

RESEARCH ACTIVITIES

	NIH	Other Federal	Non-Federal	Cash	Total
BAJAJ, MANDEEP	\$0.00	\$0.00	\$0.00	\$29,384.61	\$29,384.61
BALASUBRAMANYAM, ASHOK	\$2,208,101.00	\$0.00	\$776,285.00	\$3,629.36	\$2,988,015.36
GARBER, ALAN J.	\$0.00	\$0.00	\$5,000.00	\$0.00	\$5,000.00
HARTIG, SEAN M.	\$396,250.00	\$0.00	\$114,893.00	\$0.00	\$511,143.00
PIETROPAOLO, MASSIMO	\$652,349.00	\$0.00	\$107,885.00	\$0.00	\$760,234.00
SAMSON, SUSAN LEANNE	\$0.00	\$0.00	\$0.00	\$17,522.93	\$17,522.93
SEKHAR, RAJAGOPAL V.	\$477,413.00	\$0.00	\$0.00	\$0.00	\$477,413.00
SUN, ZHENG	\$566,044.00	\$0.00	\$0.00	\$0.00	\$566,044.00
VILLAREAL, DENNIS T.	\$660,820.00	\$0.00	\$0.00	\$0.00	\$660,820.00
VILLAREAL, REINA	\$383,504.00	\$0.00	\$0.00	\$0.00	\$383,504.00
ZHANG, LI	\$0.00	\$0.00	\$396,223.00	\$0.00	\$396,223.00
ZHOU, WENJUN	\$0.00	\$0.00	\$65,581.00	\$0.00	\$65,581.00
TOTALS	\$5,344,481.00	\$0.00	\$1,465,867.00	\$50,536.90	\$6,860,884.90

HONORS AND AWARDS

Cox, Richard, Ph.D.

- Guided Poster Discussion, ENDO 2019

Gaba, Ruchi, M.D.

- Early Career award for excellence in patient care, May 2019
- 2nd place for poster presentation, AACE National meeting
- Association of Vitamin D levels with the severity of fibrosis in NAFLD patients with Type Maya Balakrishnan, Ruchi Gaba.

Garber, Alan, M.D.

- 2019 – 2020 Best Doctors in America

Hartig, Sean, M.D.

- Peer review panel, Joint Canada-Israel Health Joint Research Program Endocrinology, Early Career Reviewer Board

Mediwala, Sanjay, M.D.

- Endocrinology Fellowship Teaching Award, 2018 & 2019

Pietropaolo, Massimo, M.D.

- Certificate of Appreciation for Service, Scientific Sessions Meeting Planning.

Ram, Nalini, M.D.

- 2019 BCM “Woman of Excellence” Award
- 2019 America’s Best Physicians
- 2019 Regional Top Doctor (Castle Connolly)
- 2018 Exceptional Women in Medicine Award (Castle Connolly)
- Thyrotoxic Periodic Paralysis Precipitated by Glucocorticoid Injection. Scott Car 2019
- Endocrine Society Outstanding Abstract Award (Mentor)
- Getting the GIST of Hypoglycemia
- Wajeeda Hussain; Nupur Kikani and Nalini Ram. First place in the Clinical Medic (Mentor)
- Levothyroxine Absorption Testing in Two Patients with Severe Hypothyroidism & Treatment. Carlson S, Kanji A, Jiang B, Ram N, Abstract and Oral Presentation, Texas and Selected Oral Presentation (Mentor)
- Norton Rose Award in Teaching and Evaluation, Spring 2018

Samson, Susan, M.D.

- International Steering Chair
- Winograd D, Stagger KA, Sebastian S, Takashima M, Yoshor D, and Samson SL. Under revision after peer review. An effective and practical fluid restriction protocol that eliminates hyponatremia and readmissions after transsphenoidal surgery. American Association of Clinical Endocrinologists, 28th Annual Scientific and Clinical Congress, Los Angeles CA, 2019
- Winner fellow travel award
- Winner Dr. Jeffrey Garber Award for Cost-Effective Patient Care
- 1st Place, Department of Medicine Housestaff Symposium, Quality Improvement and Patient Safety Category

Sekhar, Rajagopal, M.D.

- First Place: Clinical Research Category, Department of Medicine Research Symposium, Baylor College of Medicine, Apr 2019
- Second Place: Basic Science Category, Department of Medicine Research Symposium, Baylor College of Medicine, Apr 2019
- Invited lecture International Conference on Frailty and Sarcopenia Research, Miami Fl, Feb 2019
- Invited visiting Professorship and lecture: Ecola Polytechnique Federale Lausanne (EPFL), Switzerland (Swiss Institute for Life Sciences), May 2019
- Certificate of Appreciation from the Center of Scientific Review, National Institutes of Health for 5 years of National Service to the NIH, June 2019
- Invited Speaker: Department of Medicine Grand Rounds, Baylor College of Medicine
- Invited Speaker: Geriatrics Grand Rounds, Baylor College of Medicine, Dec 2018
- Invited Speaker at the Annual Scientific Meeting of the Texas Geriatrics Society

Zhang, Li, M.D.

- 2018 Diabetes Education and Action Foundation Research Award: Using an Antigen-Specific Monoclonal Antibody to Modulate Islet Autoimmunity and Reprogram the Development of Type 1 Diabetes.
- ACR Workshop on Integrative Molecular Epidemiology, Boston, MA

EPIDEMIOLOGY AND POPULATION SCIENCES



INTERIM SECTION CHIEF
Christopher Amos, Ph.D.

The Section of Epidemiology and Population Sciences studies the role that endogenous and exogenous sources have in the development of complex human diseases. Sources of exposures include genetic, behavioral and environmental factors that can have effects through intermediate processes such as epigenetic obesity or metabolic processes. Because we focus on complex disease etiology, we also use and develop quantitative approaches and study model systems to understand mechanisms in disease biology. Particular strengths of the section include genetic and molecular epidemiology, statistical genetics, geospatial effects on risk and behavioral epidemiology. The Institute of Clinical and Translational Research is housed in the Section of Epidemiology and Population Sciences and co-led by Drs.

Amos and Balasubramanyam.

Our mission is to create a premiere multidisciplinary research program in epidemiology and population sciences (including but not limited to cancer prevention sciences) that is translational in nature and has relevance to the patients and the population that the College serves. Our goal is to foster the highest quality epidemiologic research and to serve as the centralized resource for the college for innovative epidemiologic research, collaboration, education, and service.

To achieve these objectives, we will:

- Conduct nationally and internationally recognized and well-funded multidisciplinary epidemiology research.
- Continue to focus on areas of existing faculty expertise in adult and pediatric cancer epidemiology.
- Perform additional faculty recruitment in nutritional epidemiology/obesity research, pharmacogenomics, cancer control and screening, and survivorship/outcomes.
- Extend research to diabetes, neurosciences and cardiovascular clinical science.
- Generate community-based research in high-risk and minority/underserved populations.
- Develop strong collaborations with the University of Texas School of Public Health and the BCM Center for Precision Environmental Health.
- Translate research to the scientific community, general public and beyond.

A handwritten signature in black ink that reads "Chris Amos". The signature is written in a cursive, flowing style.

Christopher Amos, Ph.D.
Professor of Medicine
Interim Chief, Section of Epidemiology and Population Sciences

HIGHLIGHTS

Drs. Amos and Cheng showed that baseline or post-diagnostic exposure to simvastatin and atorvastatin was associated with extended survival in non-small-cell lung cancer. Drs. Amos and Cheng applied a biological model to characterize outcomes following immunotherapy for renal cancer. Dr. Amos serves as PI of the Coordinating Center for the Molecular Characterization of Screen-Detected Lesions Network (U01), which includes the design of new studies. Drs. Amos and Cheng developed a computational immune profiling model for early-stage lung cancer. This algorithm can infer immune cell infiltration in tumor tissues based on gene expression data. Dr. Cheng recently completed a study of the role that VISTA has in the development of autoimmunity and suppression of cancer by studying its impact in immunomodulation using single-cell RNA sequencing methods. Dr. Amos assisted Dr. El-Serag to develop a coordinating center grant for studying hepatocellular carcinoma. Dr. Amos serves as a co-leader for the newly awarded NIEHS core grant supporting the Center for Precision Environmental Health under Dr. Cheryl Walker.



Epidemiology Section Art - Cancer Below the Belt #CBTB www.cancerbelowthebelt.com

Dr. Badr is currently conducting a multi-site randomized controlled trial of CareSTEPS, a psychosocial intervention for informal caregivers of advanced lung cancer patients. Dr. Badr received a discovery award from the NCI to participate in the Speeding Research Interventions into Practice (SPRINT) program and develop an implementation plan for moving CareSTEPS into clinical practice settings.

Drs. Thrift and El-Serag have an active research program in Barrett's Esophagus (BE), a precursor to esophageal adenocarcinoma (EAC). EAC is a rapidly advancing cancer in white males in our catchment area. Drs. Thrift and El-Serag have published >25 relevant papers during the past five years and identified risk factors associated with BE and EAC.

Prostate cancer in African-American men is one of the high-risk cancers in our catchment area. There are several initiatives under way to address this problem. **Drs. Bondy and Thrift** are the Texas PIs for the RESPOND African-American Prostate Cancer Study, the largest study to date of prostate cancer in African Americans.

An inter-programmatic collaboration among **Drs. Liu, Amos, and Spitz** led to the discovery of rare variants in the lymphotoxin beta gene, prolyl 3-hydroxylase gene, and disheveled associated activator of morphogenesis 2 gene that strongly associated with increased risk of lung cancer among individuals with a family history of lung cancer. **Dr. Li** used data from the Oncoarray project to identify novel gene-gene interactions that affect lung cancer risk, which led to her successful R21 application.

Dr. Minard leads the biostatistical core for the ICTR and won an award from the Graduate School for Biomedical Science with Dr. Hilsenbeck for best teaching for a required course in biostatistics for graduate students.

Dr. Bondy is a leading force in glioma epidemiology, having established two international glioma consortia of 14 sites that collected both glioma families (Gliogene) and sporadic cases and control (GICC). **Drs. Bondy**, Huse (MD Anderson Cancer Center), and **Amos** have an inter-institutional project in the MDACC Brain Tumor SPORE entitled “Somatic and germline distinctions arising in Blacks and Hispanics.” Dr. Bondy and colleagues from the GICC Consortium have multiple publications using Mendelian randomization. Her group is collaborating with the quantitative modeling group to develop novel methods such as LD Score Regression to determine novel phenotypes associated with glioma and lung cancer using UK Biobank Data.

FACULTY

Interim Chief

- Chris Amos, Ph.D.

Faculty

- Hoda J. Badr, Ph.D.
- Jinyoung Byun, Ph.D.
- Chao Cheng, Ph.D.
- Ivan P Gorlov, Sc.D.
- Olga Y. Gorlova, Ph.D.
- Younghun Han, Ph.D.
- Yafang Li, Ph.D.
- Yong Li, Ph.D.
- Yanhong Liu, Ph.D.
- Charles G. Minard, M.D.
- Abiodun Oluyomi, M.D.
- Margaret Spitz, M.D.
- Aaron Thrift, M.D.
- Pedro Flores Villanueva, M.D., Ph.D.

Postdoctoral Associates

- Wilson Da Costa Jr., M.D., M.D.

- Jing Dong, Ph.D.
- Maral Fahmideh, Ph.D.
- Chongming Jiang, Ph.D.
- Wei Li, Ph.D.
- Quinn Ostrom, Ph.D.
- Syed Raza, Ph.D.
- Alex Renwick, Ph.D.
- Jeremy Schraw, Ph.D.
- Xinfang Yu, Ph.D.
- Xiaotao Zhang, M.D., Ph.D.
- Zhihui Zhang, Ph.D.
- Jing Zhao, Ph.D.

Secondary Appointment

- Richard Finnell, Ph.D.
- Philip Lupo, Ph.D.
- Michael Scheurer, Ph.D.
- Lea Steele, Ph.D.
- Cheryl Walker, Ph.D.

PRESS

Melissa Bondy: #BrainTumorAwareness Month, Better Together with Maria Menounos. In this interview with host and glioma survivor Maria Menounos, Dr. Bondy discusses Gliogene, the largest study of familial brain cancer. Podcast-Maria Menounos-Melissa Bondy.

Melissa Bondy: Did Harvey make us sick? Still more questions than answers. Baylor College of Medicine has three Harvey health-related projects under way. Each of these studies is examining contaminants, their sources and possible toxicity. In [Houston Chronicle - Hurricane Harvey](#).



Highway 288 into Medical Center — Hurricane Harvey



Harvey Symposium - 2 Years After, Mayor Turner Proclamation that Aug. 22nd, 2019, is Hurricane Harvey Research Day. Also pictured, Judge Ed Emmett, Baylor President, Dr. Paul Klotman.



Panel discussion emergency response planning—preparing for Harvey

Jing Dong and Aaron Thrift: An article by **Jing Dong, Ph.D.**, and **Aaron Thrift, Ph.D.**, “Less surgery among blacks linked to worse esophageal cancer survival.” Discussing racial disparities in esophageal cancer treatment is featured in Healio Gastroenterology.

Jeremy Schraw: An Article by **Jeremy Schraw, Ph.D.** “Birth Defects Linked to Increased Risk of Childhood Cancer. Certain non-chromosomal defects are strongly associated with specific childhood cancers.” In TheScientist.

Melissa Bondy and Aaron Thrift: A NCI press release regarding the largest coordinated research effort to study biological and non-biological factors associated with aggressive prostate cancer in African-American men. Cancer.gov-Respond



Jourdan Brown, research coordinator for the RESPOND Study.

HONORS AND AWARDS

Chao Cheng

- Rising Stars Award funded by Cancer Prevention and Research Institute of Texas (CPRIT)

Quinn Ostrom

- Enrico Anglesio Prize, International Association of Cancer Registries

Jeremy Schraw

- Young Investigator Talent Award, International Society of Pediatric Oncology (SIOP)

Aaron Thrift

- American Gastroenterological Association (AGA) Institute Clinical Guidelines Committee



Younghun Han and Jinyoung Byun, EPI/ICTR – Annual Volunteer Day



Jesus Sotelo – Annual Volunteer Day

The Section of Epidemiology and Population Sciences instituted a CARE Team responsible for recognizing academic achievement and promoting employee wellness activities.



Katelin Reishus – Annual Volunteer Day – Project C.U.R.E.

RESEARCH ACTIVITIES

Amos, Chris, Ph.D.

- Risk Stratification for Early Detection of Liver Cancer; NIH/NCI; \$505,467
- Center for Molecular and Cellular Finding of Screen-Detected Lung Lesions; NCI/NIH; \$804,583
- Genome-Wide Association Study in Hepatocellular Carcinoma; NIH/NCI; \$98,125 (sub)
- Gulf Coast Center for Precision Environmental Health; NIH/NIEHS; \$1,000,000
- Statistical Methods and Tools for Cancer Risk Prediction in Families with Germline Mutations in TP53; NIH/NCI; \$9,282 (sub only)
- Integrative Analysis of Lung Cancer Etiology and Risk; NIH/NCI; \$2,499,464
- Evaluating Lung Cancer Etiology and Risk through Clinical and Genomic Analysis; CPRIT; \$1,200,000

Bondy, Melissa, Ph.D.

- Research on Prostate Cancer in African American Men; NIH/NCI; \$217,776 (sub only)
- Discovery, Biology and Risk of Inherited Variants in Glioma; NIH/NCI; \$736,536
- Characterizing Germline and Somatic Alterations by Glioma Subtypes and Clinical Outcome; NIH;NCI; \$954,904

Cheng, Chao, Ph.D.

- Computational Identification of New Candidate Drugs for Lung Cancer Treatment; NIH/NCI \$217,776
- Integrative Computational Approaches for Improving Cancer Immunotherapy; CPRIT; \$1,200,000
- Tissue Resident Memory T-Cell Responses to Cancer; NIH/NCI; \$9,557 (sub only)

Li, Yafang, Ph.D.

- Genetic Interaction Analysis Involving Oncogenesis Related Genes in Lung Cancer; NCI/NIH; \$239,984

Spitz, Margaret, M.D.

- Cancer Prevention Post-Graduate Training Program in Integrative Epidemiology; CPRIT; \$750,097

Thrift, Aaron, Ph.D.

- The Gut Microbiome in Cirrhosis and Hepatocellular Carcinoma; NCI; \$50,000
- Admixture Mapping of Cirrhosis and Hepatocellular Carcinoma in African Americans; NCI; \$50,000
- Prevent HCC – Through Screening Vaccination and Treatment of Viral Hepatitis; CPRIT; \$494,590
- Prevalence and Predictors of Non-Alcoholic Fatty Liver Disease in Veterans; Dept. Veterans Affairs; \$200,000
- DCC HHS Smoking Cessation Treatment Program; NCI; \$157,729

Publications

American Journal of Cancer Research (IF **3.264**) – 1
American Journal of Gastroenterology (IF **10.303**) – 1
BMC Bioinformatics (IF **2.213**) – 2
BMJ Supportive and Palliative Care (IF **3.208**) – 1
Cancer (IF **6.102**) – 1
Cancer Epidemiology, Biomarkers and Prevention (IF **4.125**) – 1
Cancer Genetics (IF **2.599**) – 2
Carcinogenesis (IF **5.334**) – 1
Clinical Gastroenterology and Hepatology (IF **7.896**) – 7
Digestive Diseases and Sciences (IF **2.937**) – 1
Frontiers in Psychology (IF **2.129**) – 1
International Journal of Cancer (IF **7.360**) – 1
Journal of Geriatric Oncology (IF **3.359**) – 1
Journal of Neuro-Oncology (IF **3.129**) – 2
Journal of Psychosocial Oncology (IF **3.455**) – 2
Journal of Thoracic Oncology (IF **12.460**) – 1
Melanoma research (IF **2.615**) – 1
Nature Communications (IF **11.880**) – 1
Neuro-Oncology (IF **10.091**) – 2
Oncoimmunology (IF **5.333**) – 1
Oncotarget (IF **5.168**) – 1
Oral Oncology (IF **3.730**) – 1
Seminars in Oncology Nursing (IF **1.412**) – 1
Translation Research (IF **5.03**) – 1

SECTION OF GASTROENTEROLOGY & HEPATOLOGY



SECTION CHIEF
Fasiha Kanwal, M.D., MSHS

The Section of Gastroenterology and Hepatology had another successful year. With more than 160 papers in scientific journals and more than \$8.9 million in research funding in 2019, the Section remains a leader in research in gastrointestinal and liver diseases. The Section continues to be the clinical home for the NIH-funded Digestive Disease Center, one of 17 federally funded centers focusing on research in GI diseases. Section members are in key leadership positions, ranging from serving in the Faculty Senate at the College level to holding the office of the President of the American Gastroenterological Association at the national level. The Section also serves as the home for the *Clinical Gastroenterology and Hepatology*, one of the major clinical journals in the field.

Our top-notch faculty provides high-quality, compassionate healthcare at Baylor St. Luke’s Medical Center (BSLMC), Ben Taub General Hospital, and Michael E. DeBakey Veterans Affairs Medical Center. In 2019, BSLMC ranked #22 in the nation for Gastroenterology. We introduced several innovations in our practices, including cutting-edge, advanced endoscopic procedures and multidisciplinary treatment of complex GI disorders. Collectively, our faculty performed 22,564 procedures across our three hospitals in 2019.

We continue to play an important role in advancing our understanding of digestive and liver diseases and training future clinicians and researchers. The Section hosted two highly successful CME-accredited courses this past year. More than 100 participants attended the inaugural Board Review Course in September 2018. Over 200 participants attended the 19th Annual Baylor GI and Hepatology Course in March 2019.

This annual report outlines some of the achievements and recognitions received during 2019.

A handwritten signature in blue ink that reads "Fasiha". The signature is written in a cursive style and is positioned above the printed name and title.

Fasiha Kanwal, M.D., MSHS, AGAF
Professor of Medicine
Chief, Gastroenterology and Hepatology

HIGHLIGHTS

Awards

- **Hashem El-Serag, M.D, M.P.H** was elected to serve as the President of the American Gastroenterological Association

- **RUBEN HERNAEZ, M.D., M.P.H., PH.D., AND DR. AVINASH KETWAROO** were selected for the 2019-2020 AGA Future Leaders Program
- **Maria Ellionore Jarbrink-Sehgal, M.D., Ph.D.** received PhD degree from Karolinska Institute
- **Fasiha Kanwal, MD, MSHS** served as Editor-in-Chief, *Clinical Gastroenterology and Hepatology (CGH)* and the Chair of the *AASLD Practice Metrics Committee* Member
- **Mohamed Othman, M.D.** was selected as the Special Section Editor for Focal Points Section of Gastrointestinal Endoscopy
- **WAQAR QURESHI, MD** served as the Course Director for American Society for Gastrointestinal Endoscopy at DDW
- **Milena Gould Suarez, M.D.**, was nominated to join the Selection Committee for Baylor's Norton Rose Fulbright Faculty Excellence Award, and Reappointed as a PPS I/II Faculty Facilitator

Grants

- Center for Gastrointestinal Development, Infection and Inquiry. NIDDK; 2 P30 DK056338-16. 12/1999–02/2023 (PI: Hashem El-Serag)
- Introducing Palliative Care (PC) Within the Treatment of End Stage Liver Disease (ESLD): A Cluster Randomized Controlled Trial. PCORI; PLC-1609-36714. 01/2019 – 12/2019 (Site PI: Maya Balakrishnan)
- Risk of Hepatocellular Cancer After Virological Cure with Direct Acting Antiviral Agents in Individuals with Hepatitis C. CDMRP. 07/2019 – 06/2022 (PI: Fasiha Kanwal)
- Risk Stratification for and Early Detection of Liver Cancer. NIH; 1 U01 CA230997-01. 09/2018–08/2023 (PI: Fasiha Kanwal)
- Mechanisms of Intestinal Stem Cell Differentiation and Plasticity. NIDDK; R01-DK118904. 09/2018 – 06/2019 (PI: Noah Shroyer)
- Acute Pancreatitis and Pancreatic Cancer: Improving Early Detection. American Pancreatic Association; BRAIN 57004-1. 04/2019 – 03/2020 (PI: Natalia Khalaf)
- Young Investigator Grant award from American Pancreatic Association (PI: Natalia Khalaf)
- The Effect of Dawn to Sunset Fasting on Metabolic Syndrome and Non-Alcoholic Fatty Liver Disease. 2019 Roderick D. MacDonald Research Award/Baylor St. Luke's Medical Center (PI: Ayse Mindikoglu)

New Programs

The Section hosted two highly successful CME accredited Courses this past year. Over 100 participants attended the inaugural Board Review Course in September 2018. Over 200 participants attended the 19th Annual Baylor GI and Hepatology Course in March 2019.

Other Major Accomplishments

In 2019, BSLMC ranked #22 in the nation for Gastroenterology. We introduced several innovations in our practices, including cutting edge advanced endoscopic procedures and multidisciplinary treatment of complex GI disorders. Collectively, our faculty performed 22,564 procedures across our three hospitals in 2019. We continue to play an important role in advancing our understanding of digestive and liver diseases and training future clinicians and researchers.

FACULTY

Faculty

FGP

Wasif Abidi, M.D.

Suneal Agarwal, M.D.

Sharmila Anandasabapathy, M.D.

Andrea Bradford, P.h.D

Johanna Chan, M.D.

Reena Chokshi, M.D.

Elaine Hess, P.h.D.

Salmaan Jawaid, M.D.

Jason Hou, M.D.

Fasiha Kanwal, M.D.

Manreet Kaur, M.D.

Lukasz Kwapisz, M.D.

Nabil Mansour, M.D.

Temitope Osinaiya, D.H.S.c.

Mohammed Othman, M.D.

Kalpesh Patel, M.D.

Waqar Qureshi, M.D.

Rehman Sheikh, M.D.

Ben Taub – Harris Health Systems

Maya Balakrishnan, M.D.

Khushboo Munot, M.D.

Chris Pappas, M.D.

RJ Sealock, M.D.

Richa Shukla, M.D.

Melina Suarez, M.D.

Fred Sutton, M.D.

Mimi Tan, M.D.

VAMC

Rhonda Cole, M.D.

Avegail Flores, M.D.

David Graham, M.D.

Clark Hair, M.D.

Ruben Hernaez, M.D.

Nisreen Husain, M.D.

Khozema Hussain, M.D.

Maria-Ellinore Jarbrink-Sehgal, M.D.

Gyanprakash Ketwaroo, M.D.

Natalia Khalaf, M.D.

Yamini Natarajan, M.D.

Hoda Malaty, M.D.

BSLMC Hepatology

F. Blaine Hollinger, M.D.

Prasun Jalal, M.D.

Saira Khaderi, M.D.

Ayşe Mindikoglu, M.D.

Gagan Sood, M.D.

Rise Stribling, M.D.

Norman Sussman, M.D.

John Vierling, M.D.

HSR

Yan Liu, M.S.

Research

Ru Chen, P.h.D.

Fu Loning, P.h.D.

Noah Shroyer, P.h.D.

Antone Opekun, P.A.-C.

Li Jiao, M.D.

Boris Yoffe, M.D.

Professional Organizations/Association Offices Held

Bradford, Andrea, Ph.D.

- Associate Editor, *Journal of Clinical Psychology in Medical Settings*

Balakrishnan, Maya, M.D.

- Member, AASLD Public Health Special Interest Group

Chen, Ru, M.D.

- Member, CSR Conflict Special Emphasis Panel

Chokshi, Reena, M.D.

- Co-Section Editor, Large Intestines Section
- Member, Women in GI Committee

Gould Suarez, Milena, M.D.

- Member, AGA Women's Committee

Graham, David, M.D.

- Member, World Gastroenterology Organizing: Steering Committee on Early Diagnosis and Treatment of GI Cancers
- Member, World Gastroenterology Organizing Guidelines Committee 2019

Kanwal, Fasiha, M.D.

- Editor-in-Chief, Clinical Gastroenterology and Hepatology
- Chair, AASLD Practice Metrics Committee
- Member, AASLD Health Services Delivery/Public Health Special Interest Group Executive Committee
- Member, AGA Systematic Reviews and Epidemiology Abstract Review Section

Ketwaroo, Gyanprakash, M.D.

- Associate Editor, GI and Hepatology News
- Member, AGA Quality Metrics Committee
- Chair, Early Career and Trainee Committee

Hou, Jason, M.D.

- Chair, Colon Sub-Committee
- Chair, AGA GI Training Exam Committee
- Chair, American Gastroenterology Association
- Member, National VA Inflammatory Bowel Disease Technical Advisory Group Member, Crohn's and Colitis Foundation IBD Partners Project Selection Committee Member, Executive Board: CCFA South Texas Chapter
- Member, Chapter Medical Advisory Committee Co-Chair: CCFA South Texas Chapter
- Member, Crohn's and Colitis Foundation of American National Clinical Grant Review Committee

Jiao, Li, M.D.

- Member, WHI Ancillary Study Committee

Natarajan, Yamini, M.D.

- Member, AGA Government Affairs Committee
- Member, AGA Congressional Advocates
- Member, AGA Young Delegates
- Member, MEDVAMC Nutrition Committee
- Member, BCM GI Wellness Committee

Othman, Mohamad, M.D.

- Associate Editor, Gastrointestinal Endoscopy
- Member, ASGE Annual Program Committee
- Member, ACG Minority Affairs Committee

Qureshi, Waqar, M.D.

- Member, ASGE Educational products committee
- Member, ASGE Video Products Committee for DDW
- Member, TSGE Annual Course Education Committee

Sealock, Robert, M.D.

- Member, ASGE Annual Scientific Program Committee

RESEARCH ACTIVITIES

Grants

Agarwal, Suneal, M.D.

- A 12-Week, Randomized, Double-Blind, Placebo Controlled, Phase 3 Trial with a 4-Week Randomized Withdrawal Period to Evaluate the Safety and Efficacy of Relamorelin in Participants with Diabetic Gastroparesis; Allergan Pharmaceuticals

Anandasabapathy, Sharmila, M.D.

- High Resolution Microendoscopy for the Management of Esophageal Neoplasia; NCI/NIH (R01)
- The Effectiveness of High Resolution Microendoscopy in High Grade Intraepithelial Lesions Diagnosis for People Living with HIV; NCI/NIH (R01)
- Controlling Esophageal Cancer: A Collaborative Modeling Approach; NCI/NIH;
- A Low-Cost Tethered Capsule Endoscope for Esophageal Cancer Screening; NCI/NIH
- Automated, Augmented Reality High Resolution Microendoscopy for the Management of Esophageal Neoplasia; NCI/NIH (R01)
- Early Detection of Esophageal Adenocarcinoma Using a Low Cost Confocal Microendoscope with Automated Software Algorithms; Dan L Duncan Comprehensive Cancer Center

Balakrishnan, Maya, M.D.

- Introducing Palliative Care Within the Treatment of End Stage Liver Disease: A Cluster Randomized Controlled Trial; PCORI

Chen, Ru, M.D.

- Biomarkers for Early Detection of Colorectal Cancer in Ulcerative Colitis; NIH (R01)
- Early Detection of Pancreatic Cancer in Diabetics; NIH (R01)

El-Serag, Hashem, M.D.

- Baylor College of Medicine Cancer Center (BCMCC); NIH/NCI
- Research Training in Gastroenterology; NIH
- Biomarkers Profiles of HCV-Related Hepatocellular Carcinoma; NIH (R01)
- A New Lab-Based Algorithm for HCC Surveillance in Patients and Cirrhosis; NIH (R01)
- Texas Hepatocellular Carcinoma Consortium (THCCC); CPRIT
- PREVENT HCC – through Screening, Vaccination and Treatment of Viral Hepatitis; CPRIT
- Prevalence and Predictors of Nonalcoholic Fatty Liver Disease in Veterans; VA Merit

Hernaiz, Ruben, M.D.

- Harms of Hepatocellular Carcinoma Screening in Patients with Cirrhosis; NCI/NIH

Hou, Jason, M.D.

- Changes in Actin Dynamics Regulated by Villin and Gelsolin Are Determinants of Cell Fate and May Be Key to Gastrointestinal Inflammatory Disease; NIDDK
- Patient-Centered Comparative Effectiveness of Colorectal Cancer Surveillance in IBD; AHRQ
- Patient-Centered Comparative Effectiveness of Colorectal Cancer Surveillance in IBD; Crohn's and Colitis Foundation of America; 2015 Career Development Award
- IBD Gene Mapping by Clinical and Population Subset; NIH/NIDDK
- A Phase 3B, Randomized, Controlled, Multicentre study with Oral Ferric Maltol (Feracru) of Intravenous Iron (Ferric Carboxy Maltose; FCM), for the Treatment of Iron Deficiency Anemia in Subjects with Inflammatory Bowel Disease; Shield Therapeutics PLC
- A Phase 2B, Double-Blind, Randomized, Placebo-Controlled, Parallel Group, Dose Ranging Study of Oral PF-06651600 and PF-06700841 as Induction and Chronic Therapy in Subjects with Moderate to Severe Ulcerative Colitis; Pfizer Inc.
- A Phase 3 Multicenter, Open-Label Extension Study to Evaluate the Long-Term Safety and Efficacy of ABT-494 in Subjects with Ulcerative Colitis; Abbvie Inc.
- A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Parallel-group, Multicenter Protocol to Evaluate the Safety and Efficacy of Ustekinumab Induction and Maintenance Therapy in Subjects with Moderately to Severely Active Ulcerative Colitis; Janssen Research & Development, LLC
- Protocol P1-282 – A Long-Term Non-Interventional Registry to Assess Safety and Effectiveness of Humira® (Adalimumab) in Patients with Moderately to Severely Active Ulcerative Colitis (UC); Abbvie Inc.
- Effectiveness, Safety, and Patient Preferences of Infliximab Biosimilar Medications for Inflammatory Bowel Disease; VA HSR&D
- Anemia Treatment Patterns and Outcomes among a National Cohort of Patients with Inflammatory Bowel Disease; American Regent

Gould Suarez, Milena, M.D.

- H. Pylori Strains and Biomarkers in Gastric Cancer; Department of Defense
- Prevent HCC - through Screening Vaccinations and Treatment of Viral Hepatitis; CPRIT

Jalal, Prasun, M.D.

- Outcomes of a Hepatocellular Cancer Surveillance Program: A Retrospective Cohort Study

Kanwal, Fasiha, M.D.

- Center for Gastrointestinal Development, Infection and Inquiry; NIDDK
- A Personalized Surveillance Program for Hepatocellular Carcinoma; American Cancer Society Extramural Grant
- Patient Centered Care for Individuals with Advanced Liver Disease; HSR&D
- Risk Factors of Hepatocellular Cancer in Non-Alcoholic Fatty Liver Disease; CPRIT
- Cirrhosis Quality Collaborative; AASLD
- Risk Stratification for and Early Detection of Liver Cancer; NIH
- Risk of Hepatocellular Cancer After Virological Cure with direct Acting Antiviral agents in Individuals with Hepatitis C; CDMRP

Kaur, Manreet, M.D.

- Combined Phase 3, Double-Blind, Randomized, Placebo-Controlled Studies Evaluating the Efficacy and Safety of Filgotinib in the Induction and Maintenance of Remission in Subjects with Moderately to Severely Active Crohn's Disease; Pharm Rsch Association//GIL
- Entyvio® Outcomes in Real-World Bio-naïve Ulcerative Colitis and Crohn's Disease Patients (Evolve) – USA; PPD/Takeda Pharma
- A Long-Term Extension Study to Evaluate the Safety of Filgotinib in Subjects with Ulcerative Colitis; Gilead
- To compare the Efficacy of Treatment with Ustekinumab or Adlimumab in Biologic Naïve Subjects with Moderately-to-Severely Active CD who have Previously Failed or were Intolerant to Conventional Therapy, as Measured by Clinical Remission at one year; JANSSEEN Research

Khalaf, Natalia, M.D.

- Acute Pancreatitis and Pancreatic Cancer: Improving Early Detection; American Pancreatic Association

Mindikoglu, Ayse, M.D.

- The Effect of Dawn to Sunset Fasting on Metabolic Syndrome and Non-Alcoholic Fatty Liver Disease; 2019 Roderick D. MacDonald Research Award

Othman, Mohamed, M.D.

- Consortium for the Study of Chronic Pancreatitis, Diabetes and Pancreatic Cancer Clinical Center; NIH
- A Phase 1, Single-Dose Pk and Safety Study with Ni-03 Followed by A Phase 2, Randomized, Double-Blind, Parallel-Group Dose-Ranging Study To Evaluate The Safety And Efficacy of Ni-03 Compared To Placebo In subjects With Chronic Pancreatitis; Kangen Pharmaceutical
- Multi-Center Prospective Registry Evaluation Utilizing A Double Balloon Accessory Device To Facilitate Endoscopic Polypectomy In Large Intestine; Lumendi
- Prevalence of Exocrine Pancreatic Insufficiency in Patients Presenting with Diarrhea; Abbvie Pharmaceutical
- Phase IIa Trial Evaluating the Safety of Intratumoral Injection of NanoPac in Subjects with Locally Advanced Pancreatic Adenocarcinoma; US Biotest, Inc
- A Trial Evaluating Escalating Doses and Safety of Intracystic Injection of NANOPAC® in Subjects with Mucinous Cystic Pancreatic Neoplasm; US Biotest, Inc

Shroyer, Noah, M.D.

- Mechanisms of Intestinal Stem Cell Differentiation and Plasticity; NIDDK (R01)

Vierling, John, M.D.

- A Phase 2b Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of BMS-986036 (PEG-FGF21) in Adults with Nonalcoholic Steatohepatitis and Stage 3 Liver Fibrosis; BMS
- A Phase 2b Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of BMS-986036 (PEG-FGF21) in Adults with Nonalcoholic Steatohepatitis and Compensated Liver Cirrhosis; BMS
- An Open-Label, Pilot, Proof of Concept Study to Evaluate the Safety, Tolerability, and Efficacy of Oral Etrasimod (Apd334) in Patients with Primary Biliary Cholangitis; Arena

- A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Cenicriviroc for the Treatment of Liver Fibrosis in Adult Subjects with Nonalcoholic Steatohepatitis; Allergen Aurora NASH
- Phase 3, Double-Blind, Randomized, Long-Term, Placebo-Controlled, Multicenter Study Evaluating the Safety and Efficacy of Obeticholic Acid in Subjects with Nonalcoholic Steatohepatitis; Intercept
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of Emricasan (IDN-6556), an Oral Caspase Inhibitor, in Subjects with Non-alcoholic Steatohepatitis Fibrosis; Conatus
- Early Detection of Hepatocellular Carcinoma; NIH/NCI
- A Phase 2, Pilot Study of JKB-122 to Assess Liver Test in Autoimmune Hepatitis Patients who are Refractory or Intolerant to Current Therapies; TaiwanJ
- A Randomized, Double-Blind Placebo Controlled, 2-Part, Adaptive Design, Multicenter 12-Week Study to Assess Safety, Tolerability and Efficacy of LJN452 in Patients with Non-Alcoholic Steatohepatitis; Novartis
- A Multi-Center, Randomized, Placebo-Controlled, Double-Blind Study to Confirm Efficacy and Safety of Terlipressin in Subjects with Hepatorenal Syndrome Type 1 (The Confirm Study); Mallinckrodt Pharmaceuticals
- A Multicentre Randomized, Double-Blind, Placebo-Controlled Phase III Study to Evaluate the Efficacy and Safety of Elafibranor in Patients with Non-Alcoholic Steatohepatitis and Fibrosis; Genfit
- An 8-week, dose ranging, open label, randomized, Phase 2 study with an 18-week extension, to evaluate the safety and efficacy of MBX-8025 in subjects with Primary Biliary Cholangitis and an inadequate response to or intolerance to ursodeoxycholic acid; CymaBay Therapeutics, Inc.
- A Phase 2 Double-Blind, Randomized, Placebo-controlled, Dose-Finding Study to Evaluate the Safety, Tolerability, and Efficacy of Volixibat Potassium, an Apical Sodium-Dependent Bile Acid Transporter Inhibitor in Adults with Nonalcoholic Steatohepatitis; Shire
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of Emricasan, an Oral Caspase Inhibitor, in Subjects with Cirrhosis Who Achieve a Sustained Virologic Response Following Treatment with a Sofosbuvir-Based Regimen without Interferon for Chronic Hepatitis C Infection; Gilead
- Procurement of Blood Samples from Subjects with Diagnosed Nonalcoholic Steatohepatitis or Nonalcoholic Fatty Liver Disease for Use in the Development of a Liver Fibrosis Test; Prometheus
- A Phase 2, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety, Tolerability, and Efficacy of GS-9674 in Subjects with Primary Biliary Cholangitis Without Cirrhosis; Gilead Sciences, Inc.
- A Phase 2, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety, Tolerability, and Efficacy of GS-9674 in Subjects with Primary Sclerosing Cholangitis Without Cirrhosis; Gilead Sciences, Inc.
- A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Phase 2 Study to Evaluate the Efficacy and Safety of Elafibranor at Doses of 80mg and 120mg After 12 Weeks of Treatment in Patients With Primary Biliary Cholangitis and Inadequate Response to Ursodeoxycholic Acid; GenFit

- A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib in Subjects with Nonalcoholic Steatohepatitis and Bridging (F3) Fibrosis; Gilead Sciences, Inc.
- A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis; Gilead Sciences
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of Emricasan, an Oral Caspase Inhibitor, in Subjects with Decompensated Non-Alcoholic Steatohepatitis (NASH Cirrhosis); Conatus
- A Phase 2a, Randomized, Double-Blind, Placebo-Controlled, Dose-Ranging, Parallel Group Study to Evaluate Safety, Tolerability, and Pharmacodynamics of PF 05221304 Administered Daily for 16 Weeks to Adult Subjects with Non-Alcoholic Fatty Liver Disease; Pfizer
- A Double-Blind, Randomized, Placebo-Controlled Clinical Trial to Assess the Efficacy and Safety of Oral GKT137831 in Patients with Primary Biliary Cholangitis Receiving Ursodeoxycholic Acid and with Persistently Elevated Alkaline Phosphatase; Genkyotex
- A Phase 2 Dose Ranging, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety, Tolerability, Pharmacokinetics and Efficacy of EDP-305 in Subjects with Primary Biliary Cholangitis with or without an Inadequate Response to Ursodeoxycholic Acid; Enanta
- A Phase 2 Dose Ranging, Randomized, Double-Blind, and Placebo-Controlled Study Evaluating the Safety, Tolerability, Pharmacokinetics and Efficacy of EDP-305 in Subjects with Non-Alcoholic Steatohepatitis; Enanta
- An Open Label Long-Term Study to Evaluate the Safety and Tolerability of Seladelpar in Subjects with Primary Biliary Cholangitis; CymaBay
- A Phase 3, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy and Safety of Obeticholic Acid in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis; Intercept
- A Two-Part Randomized, Double-Blind, Placebo-Controlled Multicenter Dose Ranging and Confirmatory Study to Assess the Safety and Efficacy of VAY736 in Autoimmune Hepatitis Patients with Incomplete Response to or Intolerance of Standard Therapy (AMBER); Novartis
- A Phase 4, Double-Blind, Randomized, Placebo-Controlled Study Evaluating the Pharmacokinetics and Safety of Obeticholic Acid in Patients with Primary Biliary Cholangitis and Moderate to Severe Hepatic Impairment; Intercept
- A Phase 2bm Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of BMS-986036 (PEG-FGF21) in Adults with Nonalcoholic Steatohepatitis and Compensated Liver Cirrhosis; BMS
- An Open-Label, Pilot, Proof of Concept Study to Evaluate the Safety, Tolerability, and Efficacy of Oral Etrasimod (Apd334) in Patients with Primary Biliary Cholangitis; Arena
- A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Cenicriviroc for the Treatment of Liver Fibrosis in Adult Subjects with Nonalcoholic Steatohepatitis; Allergen Aurora NASH

Publications

Clinical Gastroenterology and Hepatology (IF **7.896**): 31

Hepatology (IF **14.079**): 7

Gastroenterology (IF **20.877**): 17
Medicine (Baltimore) (IF **2.133**): 1
American Journal of Gastroenterology (IF **10.383**): 7
Lancet (IF **59.102**): 1
Lancet: Gastroenterology (IF **12.856**): 1
Alimentary Pharmacology and Therapeutics (IF **7.357**): 5
Journal of Hepatology (IF **18.946**): 4
Journal of Clinical Medicine (IF **5.688**): 1
Cell Reports (IF **7.815**): 1
Expert Review of Anti-infective Therapy (IF **3.461**): 1
Transplantation (IF **4.74**): 3
Metabolics (IF **3.303**): 1
Kidney International Reports (IF **8.395**): 1
Journal of Digestive Diseases (IF **2.819**): 2
Current Opinion in Gastroenterology (IF **2.741**): 1
Digestive Diseases and Sciences (IF **2.819**): 10
Seminars in Plastic Surgery (IF **0.561**): 2
Journal of Viral Hepatitis (IF **4.016**): 2
Translational Gastroenterology and Hepatology (IF **3.925**): 2
Pancreas (IF **2.675**): 2
United European Gastroenterology Journal (IF **3.453**): 1
Nature Reviews Clinical Oncology (IF **34.106**): 1
Cellular and Molecular Gastroenterology & Hepatology (IF **6.850**): 1
Gut (IF **17.943**): 2
Surgical Endoscopy (IF **3.747**): 2
Annals of Surgery (IF **9.203**): 1
Molecular Cancer Research (IF **4.633**): 1
Gut: Microbes (IF **7.823**): 1
European Journal of Gastroenterology and Hepatology (IF **2.198**): 1
International Journal of Surgery (IF **3.158**): 1
Clinical Liver Disease (IF **13.246**): 6
Texas Heart Institute Journal (IF **0.758**): 1
Helicobacter (IF **3.352**): 3
Optics Letter (IF **3.589**): 1
Cancer Prevention Research (Philadelphia) (IF **4.444**): 1
American Journal of Infection Control (IF **2.211**): 1
JCO Clinical Cancer Informatics (IF **20.892**): 1
PLoS One (IF **2.776**): 1
New England Journal of Medicine (IF **70.670**): 1
Nutrients (IF **4.171**): 1
Cancer (Basel) (IF **6.072**): 1
Advances in Experimental Medicine and Biology (IF **2.126**): 1

Journal of Autoimmunity (IF **7.641**): 1
Seminars in Liver Disease (IF **3.459**): 1
JAMA Network Open (IF **51.273**): 1
Clinical and Experimental Gastroenterology (IF **2.32**): 1
Gastrointestinal Endoscopy (IF **5.369**): 2
BMJ Open (IF **2.376**): 1
Progress in Transplant (IF **0.958**): 1

HONORS AND AWARDS

Anandasabapathy, Sharmila, M.D.

- 2019 Castle Connolly List of Top Doctors
- 2019 Women of Excellence at Baylor College of Medicine
- Role Model in the Field of GI Cancer Detection Research

Bradford, Andrea, Ph.D.

- Honored by Society of Health Psychology

El-Serag, Hashem, M.D.

- 2019 Castle Connolly List of Top Doctors
- Clarivate Analytics 2018 Highly Cited Researchers List
- President of the American Gastroenterological Association
- Guideline Creators for “Behavioral Medicine Management of Irritable Bowel Syndrome: A Referral Toolkit for Gastroenterology Providers”

Estes, Mary, M.D.

- Fellow by the National Academy of Inventors

Gould Suarez, Milena, M.D.

- Selection Committee for Baylor’s Norton Rose Fulbright Faculty Excellence Award
- Reappointed as a PPS I/II Facilitator

Graham, David, M.D.

- 2019 Castle Connolly List of Top Doctors

Hou, Jason, M.D.

- 2019 Castle Connolly List of Top Doctors

Jarbrink-Sehgal, Maria, M.D.

- Receives Ph.D. degree from Karolinska Institute
- Guideline Creators for “Behavioral Medicine Management of Irritable Bowel Syndrome: A Referral Toolkit for Gastroenterology Providers”

Kaur, Manreet, M.D.

- 2019 Castle Connolly List of Top Doctors

Ketwaroo, Gyanprakash, M.D.

- Vice Chair Group for Quality Improvement and Innovations
- 2019-2020 AGA Future Leaders Program

Khalaf, Natalia, M.D.

- 2018 Young Investigator Grant Award from American Pancreatic Association

Mindikoglu, Ayse, M.D.

- Fellow of American Association for the Study of Liver Diseases (FAASLD) Designation

Othman, Mohamed, M.D.

- Special Section Editor for Focal Points Section of Gastrointestinal Endoscopy

Patel, Kalpesh, M.D.

- New Director of Advanced Endoscopy Program
- 2019 Castle Connolly List of Top Doctors

Qureshi, Waqar, M.D.

- Panelist at “Video Night with Endoscopy Experts”
- 2018 Texas Super Doctors
- Course Director for American Society for Gastrointestinal Endoscopy at DDW
- 2019 Castle Connolly List of Top Doctors

Schwartz, Jim, M.D.

- 2019 Castle Connolly List of Top Doctors

Sealock, Robert, M.D.

- Early Career Faculty Award for Excellence in Patient Care

Shukla, Richa, M.D.

- 2019 Women of Excellence at Baylor College of Medicine
- “That’s the Way Player of the Month” Award from BCM Faculty Group
- Selected to attend AGA Women’s Leadership Conference

Vierling, John, M.D.

- Nature Reviews, “Autoimmune Hepatitis” (Mar 2019) Designation by Web of Science as a “Highly Cited Paper. Viewed 6,000 times”
- 2019 Castle Connolly List of Top Doctors

PRESS

Agarwal, Suneal, M.D.

- MedPage Today, “PPIs cut upper GI bleeds from anticoagulants.” (Dec 2018)

Anandasabapathy, Sharmila, M.D.

- TMC News, “The Engineer: Rebecca Richards-Kortum, Ph.D, creates simple machines that save lives.” (Oct 2018)

Bradford, Andrea, Ph.D.

- BCM Momentum, “The Gut-brain Connection: How psychotherapy treats irritable bowel syndrome.” (Jan 2019)

El-Serag, Hashem, M.D.

- Interviewed on Fox 26 news. (July 2018)

- MegPage Today, “Houston consensus shrinks gaps in H. pylori management.” (July 2018)
- M.D.Link, “Liver cancer risk seen with tenofovir treatment of chronic hepatitis B.” (Oct 2018)
- TMC News, “Obesity’s link to Cancer.” (Mar 2019)

Estes, Mary, M.D.

- BCM News, “Mother’s milk influences neonatal rotavirus infection.” (Nov 2018)
- Science Daily, “Sugars and microbiome in mother’s milk influences neonatal rotavirus infection.” (Nov 2018)
- Med India, “Sugars in breast milk influences neonatal rotavirus infection.” (Nov 2018)
- UC San Diego Health News, “Complex sugars and microbiome in mother’s milk influence neonatal rotavirus infection.” (Nov 2018)
- BCM From The Labs, “Image of the Month: Assembling a rotavirus factory.” (Jan 2019)

Graham, David, M.D.

- The Times of Israel, “Redhill gets added backwind for drug to treat Crohn’s disease.” (Oct 2018)

Hou, Jason, M.D.

- MedPage Today, “Dietary Therapies for IBC Get a Closer Look.” (Sept 2018)

Kanwal, Fasiha, M.D.

- The ASCO Post, “Nonalcoholic Fatty Liver Disease May Be Risk Factor for Liver Cancer.” (Aug 2018)
- Reuters, “Severe fatty liver disease boosts risk for liver cancer.” (Sept 2018)
- MedPage Today, “Review target gaps in HCC surveillance.” (April 2019)

Kaur, Manreet, M.D.

- MedPage Today, “Incidence of Colitis Inflammation All Reliable, Consistent.” (Aug 2018)

Natarajan, Yamini, M.D.

- MedPage Today, “DAAs best for cutting CVD risk in HCV.” (Nov 2019)
- AGA Perspectives, “My experiences during AGA’s Advocacy Day: Facilitating change” (Dec 2018)
- U.S. News & World Report, “What is dumping syndrome?” (Feb 2019)
- Silver Sneakers, “5 healthy foods that can upset your stomach.” (Mar 2019)

Qureshi, Waqar, M.D.

- Key note speaker at Crusaders for Colon Cancer
- BCM Momentum, “Colon polyps: Detection is key to preventing cancer.” (Mar 2019)

Shah, Rajesh, M.D.

- MedPage Today, “Colectomy may boost diabetes risk.” (Nov 2018)

Shukla, Richa, M.D.

- MDEdge.com, “Thiopurines linked to zoster in IBD patients.” (Dec 2018)

Sussman, Norman, M.D.

- Featured in Baylor St. Luke’s Medical Center “Daily Update” (Jan 2019)

SECTION OF GENERAL INTERNAL MEDICINE

DEPARTMENT OF MEDICINE



SECTION CHIEF

David Hyman, M.D., M.P.H.

The section of General Internal Medicine (GIM) is the largest and most diverse in mission and faculty in the Department of Medicine (DoM). While we are primarily focused on the clinical and clinical education missions in the DoM, as generalists we provide a broad and multi-disciplinary tent that includes the vibrant Clinical Pharmacy group and the Environmental Health Service. Like most Sections of General Internal Medicine around the country, we include inpatient generalists, hospitalists, and outpatient primary care physicians with a concentration on the continuum of care of the patient.

We practice at Baylor Clinic, Baylor St. Luke's Medical Center, Harris Health System, and the Michael E. DeBakey Veterans Affairs Medical Center (MEDVAMC). We provide superb care and clinical teaching with patients ranging from the Baylor faculty and families to the most marginalized in our society.

The GIM faculty have broad impact on our learners and occupy many key educational leadership roles. Our faculty members engage in a variety of scholarly endeavors and special clinical initiatives, including innovative chronic disease management, quality improvement, medical education scholarship, care of the incarcerated, domestic violence, mind-body approaches to pain, narrative advocacy and environmental exposures and health. We hope you enjoy our report and we hope to continue to grow and serve the missions of DoM and Baylor College of Medicine in the coming years.

A handwritten signature in black ink, appearing to read 'D. Hyman', with a long horizontal flourish extending to the right.

David Hyman, MD, M.P.H.

Professor of Medicine

Chief, Section of General Internal Medicine

HIGHLIGHTS

Clinical Care

Across our affiliates (Baylor Clinic – McNair, Baylor St. Luke's Medical Center, Harris Health System, MEDVAMC) combining inpatient and outpatient service, our general internal medicine faculty have cared for more than 100,000 patient visits in FY19.

Recruitment has been a priority and we have hired 20 stellar recruits across our pavilions—McNair Campus, Ben Taub, Baylor St. Luke's Medical Center, and MEDVAMC—which has helped us grow and expand our practices. Faculty continue to meet and exceed all productivity targets. Our faculty

members provide high-value health care with a particular focus on prevention and chronic disease management of complex patients. Faculty consistently meet major quality and utilization metrics.

Education

Our faculty are dedicated to the education mission of Baylor College of Medicine. In addition to being heavily involved in curriculum development, direct didactic and clinical teaching, and education-related committee work, our section members serve in numerous leadership roles, including at undergraduate (deans, assistant deans, course directors), graduate (associate program directors), post-graduate, and faculty levels.

Research

GIM faculty have received new grants and maintained ongoing funding for diverse projects. Our Environmental Health Service faculty were the recipients this year of a \$1 million grant from the Department of Housing and Urban Development. The RCT will address environmental factors, medical treatment, and knowledge in individuals with poorly controlled asthma and chronic rhinosinusitis.

Service/Honors

GIM faculty have received multiple prestigious college level, local, and national awards and recognition—Norton Rose Fulbright Awards for Excellence as Educators, Clinical Excellence Awards, Service Awards.

Section members are involved in several faculty and staff development initiatives. Our faculty are highly involved in service in the DoM, across the college, and within the community. Wellness activities have helped our faculty and staff achieve a better work-life balance.



Some of the GIM faculty at a cross Baylor GIM Primary Care Workgroup to coordinate, collaborate and develop primary care education across the section.

FACULTY

Section Leadership

- David J. Hyman, M.D., Chief
- Christopher Brann, M.D., Associate Medical Director, Hospitalist Service, BSLMC
- Andrew Caruso, M.D., Director Hospitalist Service, MEDVAMC
- Jennifer Chen, M.D., Co-Director, Hospitalist Service, Ben Taub General Hospital Feibi Chi, PharmD, Director, Pharm D, MEDVAMC
- Rola El-Serag, M.D., Director, Women's Health Center, MEDVAMC
- Joey Fisher, M.D., M.P.H., Associate Chief, GIM at Harris Health System (HHS) Himabindu Kadiyala, MD, Director, Prime Care Service, MEDVAMC
- Allison Heinen, D.O., Associate Medical Director, Hospitalist Service, BSLMC
- Elie Jarrouge, M.D., Associate Medical Director, Hospitalist Service, BSLMC
- Surinder Kaul, M.D., Co-Director, Hospitalist Service, Ben Taub General Hospital
- Lee Lu, M.D., Medical Director, Smith Clinic and Director of Ambulatory Services GIM at HHS
- Daniel Murphy, MD, MBA, Medical Director, GIM, McNair
- Cory Ritter, M.D., Associate Director, Hospitalist Service, MEDVAMC
- Hossam Safar, MD, Director, EC-IM, MEDVAMC
- Umar Waheed, M.D., Medical Director, Hospitalist Service, BSLMC

GIM: McNair

- Eloy Cavazos Jr., M.D.
- Sharon W. Chen, M.D.
- Sobia Khan, M.D.

- Derek W. Meeks, M.D.
- Daniel R. Murphy, M.D.
- Vani Potluri, M.D.
- Ralph S. Rosenbaum, M.D.
- Ryan C. Thomas, M.D.
- Zehra Tosur, M.D.
- Isabel Valdez, M.P.A.S., PA-C

GIM: Baylor St. Luke's Hospitalist

- Titilola R. Adio-Oduola, M.D.
- Neeraj Agrawal, M.D.
- Mahmoud Allahham, M.D.
- Kayley M. Clemings Ancy, M.D.
- Khannan Athreya, M.D.
- Heather R. Bartsch, M.D.
- Alok Bhattarai, M.D.
- Christopher S. Brann, M.D.
- Kinjal Changela, M.D.
- Narendra Civunigunta, M.D.
- Sonal Gadicherla, M.D.
- Allison Heinen, D.O.
- David J. Hyman, M.D.
- Chimkama N. Ibe, M.D.
- Elie Jarrouge, M.D.
- Mithulan Jegapragasan, M.D.
- Jennifer W. Hsu, M.D.
- Omar F. Merchant, M.D.
- Jackson Murrey-Ittmann, M.D.
- Roopa L. Nalam, M.D.
- Nehal V. Patel, M.D.
- Kavita K. Shah, M.D.
- Mona s. Sroujeh, M.D.
- Ayush Sutaria, M.D.
- Umar Waheed, M.D.
- Catherine M. Wilson, M.D.
- Shireen Zindani, M.D.

GIM: Harris Health System –

Ben Taub

- Anoop Agrawal, M.D.
- Nabid Ahmed, M.D.
- Stephen Boone, M.D.
- Jennifer A. Chen, M.D.
- Regina Cuchapin, M.D.
- Priti Dangayach, M.D.
- Catherine L. Daniel, M.D.
- Christian D. Eckman, M.D.
- Joslyn W. Fisher, M.D.
- Cara A. Foldes, M.D.
- Casey Graziani, M.D.
- David C. Hilmers, M.D.
- Erica H. Lescinskas, M.D.
- David J. Hyman, M.D.
- Nadia Ismail, M.D.
- Surinder Kaul, M.D.
- Colleen A. Keough, M.D.
- Riaz Khan, M.D.
- Lubna U. Khawaja, M.D.
- Maureen W. Kimani, M.D.
- Anita V. Kusnoor, M.D.
- Larry E. Laufman, ED.D.
- Doris Lin, M.D.
- Lee B. Lu, M.D.
- David S. McCants, M.D.
- Niraj Mehta, M.D.
- Meroe B. Morse, M.D.
- Matthew Novakovic, M.D.
- Ricardo E. Nuila, M.D.
- Edgardo Ordonez, M.D.
- Vishal v. Patel, M.D.
- Cynthia Peacock, M.D.
- Edward L. Pothyress, M.D.
- Marc D. Robinson, M.D.
- Jaime J. Rueda, M.D.
- Zaven Sargsyan, M.D.

- Katie Scally, M.D.
- Rosa M. Schmidt, M.D.
- Chrayu J. Shah, M.D.
- Wayne X. Shandera, M.D.
- Shazia S. Sheikh, M.D.
- Stephanie V. Sherman, M.D.
- Ryan S. Shook, M.D.
- Michael H. Siegelman, M.D.
- Elizabeth Vaughn, D.O.
- Youshi Yin, M.D.
- Nicole Zeisig, M.D.

GIM: Michael E. DeBakey VA Medical Center

- Adelaide A. Adjovu, M.D.
- Oluwatoyin A. Kuloyo, M.D.
- Rajeev Balchandani, M.D.
- Jeffrey T. Bates, M.D.
- David b. Berman, M.D.
- Glynda Caga-Anan, M.D.
- Sarah G. Candler, M.D.
- Andrew Caruso, M.D.
- Daniel S. Debrule, M.D.
- Megan A. Edmonson, M.D.
- Rola E. El-Serag, M.D.
- Joan A. Friedland, M.D.
- Yaw Frimpong-Badu, M.D.
- Utpal Ghosh, M.D.
- Stephanie J. Gryzmala, M.D.
- Richa Gupta, M.D.
- Kamal Hirani, M.D.
- David J. Hyman, M.D.
- Lindsey J. Gay, M.D.
- Himabindu Kadiyala, M.D.
- Jagadeesh S. Kalavar, M.D.
- Jing Kees, M.D.
- Anna Kolpakchi, M.D.
- Babin Kurian, M.D.
- Sabina M. Lee, M.D.

- Almer R. Love II, M.D.
- Janeca N. Malveaux, M.D.
- Nicole L. McMaster-Baxter, M.D.
- Jetavia J. Moody, M.D.
- Nathan Nowalk, M.D.
- Jung H. Park, M.D.
- Christina E. Pereira, M.D.
- Caroline N. Pham, M.D.
- Shazia A. Raheem, M.D.
- Radha M. Rao, M.D.
- Cory D. Ritter, M.D.
- Hossam M. Safar, M.D.
- James W. Scurich, M.D.
- Atur Sheth, M.D.
- Shaila Sheth, M.D.
- Bryan J. Sowers, M.D.

- Diana E. Stewart, M.D.
- Tomi L. Swain, M.D.
- Kelly L. Thomas, M.D.
- Anne Utech, M.D.
- Mini Varughese, M.D.
- Matthew A. Wanat, Pharm.D
- Sonya R. Wilmer, M.D.

GIM: Environmental Health Services

- Rebecca J. Bruhl, M.D.
- Winifred J. Hamilton, M.D.
- David J. Hyman, M.D.
- Abiodun Oluyomi, M.D.

GIM DIVISIONS

Baylor St. Luke’s Medical Center

Entering the fourth year since its inception, the BSLMC Hospitalists Group continues to thrive. With the successful recruitment of 10 new providers (both replacement and incremental additions) for FY20, we continue to increase the level and quality of service we provide to the greater Houston area. In FY19, the BSLMC hospitalists served more than 9,000 patients.

The group continues to build relationships with their Baylor colleagues and private attending physicians alike. BSLMC hospitalists are actively involved in hospital committees, scholarly activity, and quality improvement projects at BSLMC.

Building on the infrastructure set in place since 2016, the program’s focus for FY20 has shifted to fine-tuning processes so we can continue delivering measurable outcomes. This included streamlining operations by migrating to AMBS, TigerConnect, and Qgenda clinical software platforms. The



Dr. Alok Bhattarai receiving the Hospitalist of the Year award with BSLMC faculty and Staff: From Left to Right: Dr. Elie Jarrouge, Lizbeth Persad, Dr. David Hyman, Dr. Alok Bhattarai, Dr. Umar Waheed, Dr. Neeraj Agarwal, Brittany Layton and Melissa Fusilier.

creation of physician administrative leadership roles for the Hospitalist programs include a focus in case management, quality improvement, utilization management and education. There was similar growth with the administrative team to include the addition of another team member to support the growing infrastructure.

The driving force for the Baylor group to initiate the hospitalist program at BSLMC was the hospital's desire to achieve improvement in quality metrics (reduction of length of stay, re-admissions, mortality, and complications, and improvement in HCAPS and other quality measures). The BSLMC Hospitalist group has demonstrated success in delivering high-quality care. Upcoming opportunities for the group will include expanding the clinical footprint in Houston and the surrounding areas, and implementing operational processes for continued innovation.

McNair Campus

New Faculty

The McNair General Internal Medicine facility provides excellent care to its patients. To help meet the demand for primary care in the Houston area and facilitate timely patient visits, the clinic has hired additional faculty. Two physicians, Dr. Vani Potluri, a BCM graduate, and Dr. Zehra Tosur both joined the BCM family in late 2018. In addition, the



McNair Campus faculty and staff.

clinic's first-ever physician assistant, Isabel Valdez, PA-C, was hired. Having an extensive primary care background gained during her 11 years as part of the BCM family, Ms. Valdez's addition to the team has allowed the clinic to maintain same- and next-day availability for patients with acute issues, as well as providing follow-up of chronic conditions. The clinic continues to actively recruit excellent physicians, with two new faculty members expected to begin during Fall 2019.

Since its inception, this program has facilitated hundreds (40-70 each month) of post-hospital transitions, leading to safer care, improved patient satisfaction, and reduced unnecessary readmissions and associated costs.

Exceeding Quality Metrics

The McNair General Internal Medicine clinic has provided care to approximately 16,489 patients this academic year, with an increase of 1712 new patients during FY2019. GIM continues to provide high quality care, exceeding FGP-wide quality measures targets for blood pressure management, diabetes control, and tobacco screening and cessation, as well as screening for colorectal and breast cancer and vaccination of eligible patients against influenza and pneumonia.

Harris Health System

Harris Health System (HHS) is the largest public health care system in Houston and Harris County, with a focus on serving a primarily low resource/underserved patient population. GIM faculty at Ben Taub Hospital and Smith Clinic saw a combined 77,300 patient visits in FY19 and generated 132,000 WRVUs. This is a combination of all inpatient-teaching and hospitalist as well as outpatient services at Smith Clinic. The Harris Health GIM group was more than 117% of expected productivity for the 2019 academic year.

Section members at HHS serve as leaders on numerous HHS committees, including patient safety, health information management, pharmacy and therapeutics, and ethics.

Ben Taub Hospital - HOT (Hospitalist Only Team) Inpatient Care

The HOT service is composed of general internists specializing in direct inpatient hospital management. We provide high-quality care to complex medical patients at Ben Taub General Hospital with five rounding teams, one admitting team, and a night service. The HOT service holds monthly meetings focusing on patient outcomes, care management, and is in the process of joining our hospitalist partners at BSLMC and MEDVAMC in forming a quarterly journal club. Faculty on the HOT service actively serve on hospital committees to provide crucial input in policy development. Our members work closely with nursing and hospital leadership to improve medical delivery to the bedside. We additionally meet monthly with Emergency Department leadership to streamline the transition from our triage department to the wards.

Ben Taub - Inpatient Teaching Service

Baylor College of Medicine faculty provide supervision of inpatient medical care for hundreds of residents and students annually. The inpatient teaching service includes eight ward teams, a consult service, and a special rotation for upper-level residents to learn hospital medicine (RITE) team. The inpatient teaching service consistently receives outstanding evaluations from students and residents.

Harris Health System's Smith Clinic

Smith Clinic is our affiliate institution Harris Health's outpatient clinic. More than 90 house staff participate in the ambulatory continuity care clinic experience at Smith Clinic. They learn preventive medicine (eg. cancer screening, PAP smears, vaccinations), chronic disease management (eg. hypertension, diabetes, heart disease), procedures (eg. arthrocentesis, Nexplanon insertion, and incision/drainage of abscesses), and counseling skills (smoking cessation, dietary modification, and goals of care). Several faculty have their own half-day direct care clinics at Smith Clinic and provide primary care to patients, and the VIVA clinic serves survivors of intimate partner violence and sexual assault. The mean patient volume ranges from 1000 to 1100 visits per month. Smith Clinic meets and exceeds quality metrics, including cervical and breast cancer screening as well as diabetes-related indicators. In this past academic year, led by Dr. Lu (Director of Smith Clinic), the Smith Medicine Clinic faculty and residents completed a Quality Improvement Project on accurate blood pressure measurement. The data were presented at local conferences. The "Nurse Stat" (rapid response resident-led team) was successfully initiated and reduced the number of calls to 911/EMS services.



Go Astros! Left-Right: Dr. Lee Lu, Dr. Meroe Morse, Dr. Cara Foldes.

MEDVAMC Hospital Medicine

The MEDVAMC Section of Hospital Medicine continued to be a productive academic group for the Academic Year of 2018-2019. As of close of June 2019, our section now consists of 17 hospitalists comprising 15 FTE. Of those hospitalists, we now have two team members who focus their clinical efforts on nocturnal work, but also contribute to the daily daytime work at points during the year.

At the close of 2018-2019 academic year, we brought to fruition two new clinical teams that our team has developed to stay well positioned in leading clinical care at the VA. We created a new teaching-based admission focused group called the 'Swing Admitter' team, which functions during the hospital peak admission times and provides one-on-one attending supervision of a resident trainee admitting multiple patients to the hospital. This new role was created in response to the needs of the hospital and has thus far produced an excellent record of supervised clinical care that has been important for the clinical development of the residents who have taken the role and important to help maintain the nocturnal hours of the night admitting teams and for hospital flow. In addition to this Swing Admitter, our section has converted one of our prior ward teams to a direct care team.

The direct care team matches a hospitalist with a physician assistant and the two directly care for patients in the classic nonteaching hospitalist model. This new team has been beneficial for team member direct care skill and for contributions toward VA centric goals of care. In total, our VA hospitalist group, through our seven teams and daily nocturnist presence, provides portions of care for close to 70% of the VA inpatient admission flow.

As the new academic year 2019-2020 has kicked off, our team hopes to continue its balanced approach to clinical care, academic work and educational leadership. We are proposing an expansion package to VA leadership so we can continue to grow our goals and provide excellent clinical care that also continues to train hundreds of learners every year. We hope to continue to develop our Pubs at the Pub and Works in Progress efforts, and in doing so attract further participation from around the Baylor community to increase our shared Baylor experience and collaboration. The section is positioned for a very productive year and is excited to continue growing at Baylor College of Medicine.

MEDVAMC Prime Care

Primary care providers are the first point of contact for patients entering the VA system. At MEDVAMC, we have a robust and vibrant Primary Care section, with 54 full time primary care providers—40 physicians, 9 nurse practitioners, and 5 physician assistants. All our primary care providers are highly driven individuals who are passionate about providing longitudinal care to our patients and establish meaningful relationships with patients over time. They are holistic in their approach and effective advocates, and knowledgeable about various resources available to patients.

Our veterans receive outstanding and exemplary quality of care. On a wide array of quality metrics—such as comprehensive diabetes care, controlling high blood pressure, statin therapy in patients with cardiovascular disease, medical assistance with smoking, cancer screenings—our metrics exceed community benchmarks. Suicide prevention is our top clinical priority. With excellent integration of mental health services in primary care, we are able to provide a comprehensive continuum of mental health care and suicide prevention services to end veteran suicides.

As digital technology plays a more critical role in healthcare, we are able to extend our access to care beyond the traditional office visit. In the past year, 80% of our primary care providers connected with their patients through digital health technology—VA Video Connect. We are ready to deploy the Annie App, which will enable our patients to receive automated text messages to help them with self-care. Providers can send motivational and educational messages to encourage patients to stay on track with their care plan and achieve their goals.

The Women's Health Center offers outstanding integrated healthcare, with services including general primary care, mental health, maternity care coordination, and comprehensive breast care services, including breast tomo synthesis and same-day services. Healthcare metrics, including breast cancer and cervical cancer screening, have been consistently higher than the national average. Disparities between male and female veterans have been reduced significantly and in some cases reversed with female veterans now having higher blood pressure and diabetes control than male veterans.

Dr. Radha Rao is the lead clinician for our Tobacco Cessation Program, and is involved in implementing the National Policy, most recently helping make MEDVAMC a smoke-free facility. She educates staff from all disciplines, serves as a consultant to Oncology and Transplant teams, and counsels and treats veterans with nicotine addiction on a daily basis. Homeless PACT(H-PACT) continues to provide comprehensive primary care and mental health services tailored to the unique needs of homeless veterans.

As set by the Veterans Health Administration, our full-time primary care providers carry a panel of 1200 patients and a nurse practitioner/physician assistant carries a panel of 900 patients. On the average, about 600 patients are seen in Primary Care clinics every day. Primary Care physician leadership includes Dr. Kadiyala (Chief of Primary Care) and the team leaders—Drs. Frimpong-Badu, Hirani, and Adjovu. Dr. Rola El-Serag is the Medical Director of our Women’s Health Program. In addition to overseeing the day-to-day operations of this large section, Primary Care leadership members chair several committees and are members of many high-value committees in the hospital.

BCM Environmental Health Services

While EHS has had a very fruitful year in the research arena, of particular note in the clinical arena is a partnership with United Healthcare (UHC) Community Plan of Texas to provide service to their members; the agreement is now in final negotiations. UHC will refer to EHS their poorly controlled asthmatics. Clinical care will be reimbursed normally. UHC will also pay through a vendor agreement with us for home assessments, home-based intervention and supplies, and education of primary care physicians as part of our novel hand-back program. The program is based on the findings of our HIITBAC study. The effort uses an innovative outcomes-based payment system, which is expected to serve as a model for other asthma programs and health plans across the country.

EHS has continued its nationally recognized community outreach efforts, including hosting the first ever Town Hall on Asthma, working closely with the Green & Healthy Homes Initiative (which was instrumental in bringing UHC and Baylor College of Medicine together), publishing with other PCORI awardees about community engagement, and working closely with the Resident Councils at two Houston public housing complexes in designing outreach efforts and an upcoming clinical trial addressing asthma and chronic rhinosinusitis.

EHS has environmental health clinics at Smith Clinic (adult; medical director: Dr. Hanania) and the Pediatric and Adolescent Health center in Pasadena (PAHC; medical director: Dr. Hanfling). Because EHS has no AMS FTE, the two clinics are primarily used for research and clinical care funded by outside sources. Area children with elevated blood-lead levels are routinely referred to the PAHC, which collaborates with the City of Houston and Harris County departments of health to address the exposure source(s).

We also developed a “Remember 7” campaign to help educate area residents on how to protect their health and rebuild more resilient homes (and lives) after the next flooding event.

EDUCATIONAL ACTIVITIES

FGP Baylor Medicine at McNair Campus

- As of February 2019, block rotation for residents where residents can spend 2 or 4 weeks working with the clinic’s seven supervising attendings.
- Resident continuity clinics (three residents) allow residents the opportunity to provide care for their own panel of patients in continuity clinics. Given the private practice-oriented nature of

the clinic and monthly process improvement meetings, residents will learn about clinic practice workflows, billing and coding, and clinic process improvement efforts.

BSLMC Hospitalist Program:

- In June 2018, the BSLMC Hospitalist team started the Resident Hospitalist Team, also known as RITE team, at BSLMC. This rotation allows upper-level residents the opportunity to experience hospitalist medicine, including attending several committee meetings and multi-disciplinary rounds. Before starting our hospitalist rotation, there were no primary services for the internal medicine residents aside from medical ICU.
- Now in our second year, we have been offered the opportunity to expand our team to include sub-intern medical students. The growth of our teaching service is in line with the overall mission of the joint venture to make BSLMC a superior academic medical center.

MEDVAMC Hospital Medicine

- Our section continues to be primarily a teaching-focused clinical group. We strive to provide evidence-based timely and quality inspired supervised care to the Baylor College of Medicine trainee teams that we supervise.
- Our VA group has been working hard to increase our academic product development by creating a new ‘Works in Progress’ monthly meeting. Modeled after a traditional lab meeting, the format is a rotating schedule that requires every team member to present updates to their academic updates to the entire team. The effort is supported by a clear framework that makes the presentation style straightforward and easier to prepare, and also is mentored by Baylor section lead Dr. David Hyman and HSR&D team member Dr. Molly Horstman.
- Numerous faculty hold academic leadership positions as highlighted in our academic leadership section of our report.

MEDVAMC Primecare

- Currently 95 Internal Medicine Residents from Baylor and University of Texas have their Ambulatory Continuity clinics at MEDVAMC.
- Drs. Ashley Bose and Kamal Hirani took a lead role in organizing M&M conferences in Primary Care. They discuss adverse outcomes associated with medical errors and systems issues, which can affect patient care. These discussions are well-received by staff, as the focus is on quality improvement and patient safety

RESEARCH ACTIVITIES

Grants

Bruhl, Rebecca, M.D.

- BCM EHS Comprehensive Asthma Management Program; Corporation for National & Community Service

Oluyomi, Abiodun, M.D.

- Pathways Linking Neighborhood Environments to Activity Behaviors; American Cancer Society
- Geospatial Analysis of High-Risk Areas for Vector-Borne Transmission Utilizing Satellite Imaging Technology; ExxonMobil Foundation

- Environmental Exposures, Health and Resilience Before and After Hurricane Harvey in a Houston-Area Cohort of African-American Adults with Poorly Controlled Asthma; National Institute of Environmental Health Sciences
- Environmental Health Outcomes Research Among Hurricane Harvey Survivors; National Institute of Environmental Health Sciences
- Hurricane Harvey DR2: Individual Chemical Exposure Assessments; National Institute of Environmental Health Sciences
- Workplace Violence in Outpatient Physician Clinics; National Institute for Occupational Safety and Health

Hamilton, Winifred, M.D.

- Protecting the Health of Houstonians and Texas Gulf Coast Residents; The Jacob and Terese Hershey Foundation
- Pathways Linking Neighborhood Environments to Activity Behaviors; American Cancer Society
- The Houston Home-Based Integrated Intervention Targeting Better Asthma Control for African Americans; Patient-Centered Outcomes Research Institute
- Environmental Exposures, Health and Resilience Before and After Hurricane Harvey in a Houston-Area Cohort of African-American Adults with Poorly Controlled Asthma; National Institute of Environmental Health Sciences
- BCM Environmental Health Initiative; U.S. Department of Justice (Chevron Phillips Chemical Company settlement)
- Environmental Health Outcomes Research Among Hurricane Harvey Survivors; National Institute of Environmental Health Sciences
- The Houston “Breathe Easy” Healthy Homes-Based Model for Multifamily Rental Communities; U.S. Department of Housing and Urban Development

Nuila, Ricardo, M.D.

- Narrative Medicine in the Texas Medical Center; The Program of Narrative Medicine and the Rice University

Vaughan, Elizabeth, M.D.

- Technology to Improve the Health of Resource-Poor Hispanics with Diabetes; NIH

Publications

Centered Outcomes Research Institute (IF 2.66): 1

Gut and Liver (IF 2.968): 1

Annals of Internal Medicine (IF 19.315): 2

Journal of General Internal Medicine (IF 4.606): 2

MedEdPORTAL: 2

Journal of American Medical Informatics Association (IF 51.273): 1

JAMA Internal Medicine (IF 20.768): 3

Journal of Graduate Medical Education (IF .609): 1

Journal of Hospital Medicine (IF 2.143): 1

Emerging Infectious Disease (IF **7.422**): 1
 BMC Public Health (IF **2.567**): 1
 American Thoracic Society (IF **16.49**): 1
 Journal of Patient Safety (IF **3.386**): 1
 SM Tuberculosis Research and Management: 1
 Clinical Diabetes and Research (IF **13.397**): 1
 Telemedicine Journal and E-health: 1
 Current Diabetes Review (IF **2.21**): 1
 Heart Failure Review (IF **4.196**): 1
 Expert Reviews in Cardiovascular Therapy (IF **1.90**): 1
 Research and Practice in Thrombosis and Haemostasis (IF **5.565**): 1
 Journal of Thrombosis and Thrombolysis (IF **2.941**): 1
 Pharmacy Education: 1
 Journal of Pain and Palliative Care Pharmacotherapy (IF **.96**) 1
 Annals of Pharmacotherapy (IF **2.059**): 1
 Currents in Pharmacy Teaching and Learning (IF **.67**): 1

Books and Books Chapters

- Book chapter. **Hilmers DC**, “Nonvenereal Treponematoses,” Chapter 145 in Feigin, et al. *Textbook of Pediatric Infectious Diseases*. 8th edition. 2018
- Book chapter. Arrington A, **Hilmers DC**, Campbell J. “Ebola and Marbury Hemorrhagic Fevers,” Chapter 187 in Feigin, et al. *Textbook of Pediatric Infectious Diseases*. 8th edition. 2018
- Book chapter. **Fisher, J**. “Trauma-Informed Care: Helping the Healthcare Team Thrive,” in *Trauma-Informed Healthcare Approaches: A Guide for Primary Care*, published by Springer.
- Book chapter. **Shandera WX**, Clark E. “Viral and Rickettsial Diseases,” In McPhee SJ, Papadakis et al., eds: *Current Medical Diagnosis and Treatment*. New York, NY: McGraw Hill. 2020
- **Wanat MA**. Virtual Critical Care Rounds I Educational Module – *Pharmacokinetics and Pharmacodynamics*. Society of Critical Care Medicine. Updated February 2019.

HONORS & AWARDS

Caruso, Andrew, M.D.

- Graduating Class Outstanding Faculty Award

Chen, Jennifer, M.D.

- BCM 2019 Women of Excellence

Dangayach, Priti, M.D.

- Early Career Faculty Award for Excellence in Patient Care
- BCM 2019 Women of Excellence

Ismail, Nadia, M.D.

- BCM 2019 Women of Excellence

Khawaja, Lubna, M.D.

- Norton Rose Fulbright Faculty Excellence Award for Teaching & Evaluation
- BCM 2019 Women of Excellence

Kusnoor, Anita, M.D.

- Norton Rose Fulbright Faculty Excellence Award for Educational Leadership

Lescinskas, Erica, M.D.

- Norton Rose Fulbright Faculty Excellence Award for Educational Leadership

Lin, Doris, M.D.

- Norton Rose Fulbright Faculty Excellence Award for Teaching & Evaluation

Lu, Lee, M.D.

- BCM 2019 Women of Excellence

Morse, Meroe, M.D.

- BCM 2019 Women of Excellence

Novakovic, Matthew, M.D.

- Graduating Class Outstanding Faculty Award

Nuila, Ricardo, M.D.

- Young Alumnus Award

Ordenez, Edgardo, M.D.

- Norton Rose Fulbright Faculty Excellence Award for Teaching & Evaluation

Sargsyan, Zaven, M.D.

- Graduating Class Outstanding Faculty Award

Schmidt, Rosa, M.D.

- BCM 2019 Women of Excellence

Sherman, Stephanie, M.D.

- Graduating Class Outstanding Faculty Award

Harris Health System Awards

Dangayach, Priti, M.D.

- Harris Health Physician Champion of the Quarter for the third quarter of 2018

Fisher, Joslyn, M.D., Johnson, Claudine, M.D., et al.

- Best Faculty Poster Award for “Sunshine Grants: Planting Seeds of Wellness in an Academic Medical Department,” Houston, TX, March 2019



Dr. Chirayu Shah receives the DAVE award from Dr. Hyman.

General Internal Medicine Section Awards



Dr. Vandana Shah receives Barry Goodfriend Outpatient Healer of the Year award from Dr. Barry Goodfriend

Bhattarai, Alok, M.D.

- Hospitalist of the Year Award

Shah, Vandana, M.D.

- Barry Goodfriend Outpatient Healer of the Year Award

Shah, Chirayu, M.D.

- D.A.V.E.* Award (*Dedicated Academician who Values Excellence in patient care, education, and scholarly activities)

Fisher, Joslyn, M.D.

- Joseph R. Guitreau Consummate Physician Award

Other Honors

- **Dr. Stephanie Sherman**, assistant professor, General Internal Medicine had a Visiting Professorship. Teine Keijinkai Hospital, Sapporo, Hokkaido, Japan and Aso Iizuka Hospital, Iizuka, Fukuoka, Japan.
- **Dr. David Hyman**, professor, General Internal Medicine was selected as Chair of the Scientific Statement Writing Group on Adherence for the AHA Council of Hypertension in September 2018 and was listed in Castle and Connolly 2019 Top Doctors.
- **Dr. Zaven Sargsyan**, assistant professor, General Internal Medicine – Ben Taub, gave the faculty address at the BCM School of Medicine White Coat Ceremony for the class of 2022.
- **Dr. Rola El-Serag**, associate professor, General Internal Medicine – MEDVAMC, sat on a panel discussion about women veterans' issues with Houston Police Chief Art Acevedo and Congresswomen Nancy Pelosi and Sheila Jackson Lee at the Aug. 3 Texas Gulf Coast Region Veterans Mental Health Summit, held at the United Way of Greater Houston building.
- **Dr. Sarah Candler**, assistant professor, General Internal Medicine – MEDVAMC, was elected to join the Board of Directors of the Texas Chapter of the American College of Physicians as an at-large member, effective Jan. 1, 2019. She also was recognized as an **Inspirational Physician** by the Women Physicians Section of the American Medical Association.
- **Dr. Stephen Greenberg**, Distinguished Service Professor, General Internal Medicine, was installed as the 2019 president of the American Clinical and Climatological Association.
- **Dr. Rosa Michelle Schmidt**, assistant professor, General Internal Medicine – Ben Taub, was selected for the Baylor College of Medicine Career Advancement Series, in the Assistant Professor Center of Excellence Scholars category.
- **Dr. Meroë Morse**, assistant professor, General Internal Medicine-Ben Taub, has graduated from the **Fellowship in Integrative Medicine at the Center for Integrative Medicine** at the



Dr. Joslyn Fisher receives the The Joseph R. Guitreau Consummate Physician Award from Dr. Patrice Firpo.

University of Arizona College of Medicine – Tucson.

- **Dr. Nadia Ismail**, associate professor, General Internal Medicine – Ben Taub, has been elected to the national **Clerkship Directors in Internal Medicine Council** of the Alliance for Academic Internal Medicine. The 11,000-member Alliance empowers academic internal medicine professionals and enhances health care through professional development, research, and advocacy.
- **Dr. Anne Utech**, assistant professor, General Internal Medicine – MEDVAMC, was appointed to the Senior Executive Service Equivalent position of National Director, Nutrition and Food Services, Veterans Health Administration, Washington, DC.
- **Dr. Lee Lu**, associate professor, General Internal Medicine – Ben Taub, was selected to the Spring 2019 Leading Healthcare Improvement Advanced-Level Training Course. She was also selected for induction into the Baylor College of Medicine Chapter of **Alpha Omega Alpha**.

Academic Leadership

Undergraduate Medical Education

Balchandani, Rajeev, M.D.

- Assistant Course Director, Patient, Physician & Society 3

Caruso, Andrew

- Director, Internal Medicine Core Clerkship

Fisher, Joslyn, M.D.

- Course Director, Beyond the Exam Room: Physician as Advocate and Women & Health: Outside the Traditional Curriculum

Gay, Lindsay Jordan, M.D.

- Site Director, Medicine Clerkship; MEDVAMC

Ismail, Nadia, M.D.

- Associate Dean of Curriculum

Johnson, Claudine, M.D.

- Associate Director, Determinant, Disparities, and Social Health

Kees, Jing, M.D.

- Director, UT Houston Director and Associate Site for MEDVAMC

Keough, Colleen, M.D.

- Pathway Leadership, Global Health of Pathway Leadership

Khawaja, Lubna, M.D.

- Director/Coordinator, Internal Medicine UME Electives

Kusnoor, Anita, M.D.

- Director, Patient, Physician, & Society 3
- Director, Medicine Sub-internship
- Chair, Baylor CPX Exam Committee
- Vice Chair, Sub-Internship Committee

Mehta, Niraj, M.D.

- Director, Ben taub Hospital Bedside Physical Exam Rounds

Poythress, Lee, M.D.

- Assistant Dean of Student Affairs

Raynaldo, Glynda, M.D.

- Director, UT Houston Director and Associate Site for MEDVAMC

Scally, Katie, M.D.

- Course Co-Director, Transition of Clinics

Shandera, Wayne, M.D.

- Course Director, Nuclear Ethics, Human Rights, and Medicine and Readings in HIV-AIDS Epidemiology

Vaclavik, Lindsay, M.D.

- Associate Director; Chief Resident in Quality and Safety; BCM VA

Graduate Medical Education

Agrawal, Anoop, M.D.

- Program Director, Joint Medicine-Pediatrics Residency

Heinen, Allison, M.D.

- Assistant Director, Medical Education; BSLMC

Lescinskas, Erica, M.D.

- Associate Program Director, Internal Medicine Residency Program

Sargsyan, Zaven, M.D.

- Associate Program Director, Internal Medicine Residency Program

Shah, Chirayu, M.D.

- Associate Program Director, Internal Medicine Residency Program

Sherman, Stephanie, M.D.

- Associate Program Director, Internal Medicine Residency Program

Faculty/Continuing Medical Education

Fisher, Joslyn, M.D.

- Co-Director, General Internal Medicine Grand Rounds – Regularly Scheduled series

Foldes, Cara, M.D.

- Co-Director, General Internal Medicine Grand Rounds – Regularly Scheduled series

Administrative/Other Service Leadership

Chen, Jennifer, M.D.

- Member, BCM Faculty Senators; BCM

Fisher, Joslyn, M.D.

- Chair, Ethics Committee; Harris Health System
- Vice Chair, Faculty & Staff Development; Department of Medicine
- Chair, Institutional Policy Committee; BCM

Hyman, David, M.D.

- Co-Chair, Pharmacy and Therapeutics; Harris Health System

- Director, Employee Health; Harris Health System
- Chair, Health Information Management; Harris Health System

Jarrouge, Elie, M.D.

- Chair, Utilization Management Committee; BSLMC

Kusnoor, Anita, M.D.

- Member, BCM Faculty Senators; BCM

Lescinkas, Erica, M.D.

- Chair, Resident Service Evaluation Committee for Internal Medicine Residency; BCM

Lu, Lee, M.D.

- Member, BCM Faculty Senators; BCM

Morse, Meroe, M.D.

- Physician Representative, Opiate/Chronic Pain Management Task Force; Harris Health System

Nuila, Ricardo, M.D.

- Director, Program in Narrative Medicine, Center for Medical Ethics and Health Policy; BCM

Park, Jung Hyun, M.D.

- Associate Chief of Staff, Quality, Safety, Value; MEDVAMC

Rosenbaum, Steve, M.D.

- Member, Medical Advisory Board of MDVIP; McNair Campus

Schmidt, Michelle, M.D.

- Member, BCM Faculty Senators; BCM

Shah, Chirayu, M.D.

- Co-Chair, Inpatient Clinical Advisory Committee; Harris Health System

Sherman, Stephanie, M.D.

- Co-Chair, BCM GME Resident-as-Teacher Committee; BCM

PRESS

Candler, Sarah, M.D.

- *Annals of Internal Medicine*, “Inconceivable! What do we value in high-value care?”

Hamilton, Winnie, M.D.

- CNN, “Pig poop and coal ash are real concern in North Carolina floods.” (Sept. 18)

Lescinkas, Erica, M.D. and Trautner, Barbara, M.D.

- University of Michigan’s *lab blog*, “More Than Half of Catheterized Hospital Patients Experience Complications.” (July 10)

Lescinkas, Erica, M.D. and Trautner, Barbara, M.D.

- University of Michigan *Futurity*, “Patient reports suggest it’s better to avoid catheters.” (July 12)

Mehta, Niraj, M.D.

- The Katy News, “Birthday Cupcake Campaign at Ben Taub Hospital Reaches 1,000th Milestone.” (June 24)

Murphy, Daniel, M.D., Meyer, Ashley, Ph.D., Sittig, Dean, Ph.D., Singh, Hardeep, M.D., and Meeks, Derek, M.D.

- Politico, “Rethinking the e-trigger.” (Oct. 9)

Nuila, Ricardo, M.D.

- Texas Monthly, “Maternal Mortality.” (May 2019)

Valdez, Isabel, MPAS, PA-C

- Fox 26 News, “Cold Symptoms and Treatments.” (Dec. 20)
- Covering Katy News, “Baylor College of Medicine offers tips on preventing and treating colds.” (Dec. 31)

Vaughan, Elizabeth, D.O., M.P.H. and Taracena, Noé, community health worker

- Radio Amistad, KHCB 1400, “Temas Vitales: Diabetes 101 y los beneficios de promotores.” (Feb. 6)

SECTION OF GERIATRICS AND PALLIATIVE MEDICINE



INTERIM SECTION CHIEF

Aanand Naik, M.D.

Welcome to the Section of Geriatrics and Palliative Medicine at Baylor College of Medicine. Our faculty includes a wide range of health professionals who practice in a variety of care settings in a highly interprofessional culture. Our faculty include subspecialists in Palliative Medicine, wound care, post-acute and long-term care, hospital medicine, home based medical care, and ambulatory consultation and primary care Geriatrics. The Section of Geriatrics and Palliative Medicine provides compassionate primary or consultative care to older adults, from robust to frail. Our team of physicians, nurse practitioners, social workers and pharmacists see patients across several healthcare systems including Baylor St. Luke's Medical Center and Kirby Glen Senior Care, Ben Taub Hospital and the Harris Health

System, the Michael E. DeBakey VA Medical Center and its Community Living Center, Houston Methodist Hospital, and Saint Dominic Village. Geriatrics is a specialized field of medicine that focuses on the care of older adults. Our practice focuses on maintaining robust and vibrant aging for independent adults living in the community, acute care for those facing and recovering from illnesses and exacerbations of chronic conditions, and supportive care for our most frail and vulnerable adults.

A handwritten signature in cursive script, appearing to read 'Aanand Naik'.

Aanand Naik, M.D.

Associate Professor

Chief, Section of Geriatrics and Palliative Medicine

HIGHLIGHTS

- Kirby Glen Senior Care Clinic was established as the site for the private Geriatrics outpatient clinic at Baylor St. Luke's Medical Center. The Geriatrics practice, existing patient population, and faculty were successfully transitioned and starting patient visits in the Fall of 2018 at the BSLMC Kirby Glen location.
- Dr. Naik appointed acting section chief and a national search initiated to recruit and select a permanent section chief. Sandeep Agrawal, MD, PhD, section chief of Rheumatology and Immunology served as chair of the search committee for the Geriatrics Section Chief.
- Formal partnership with the MD Anderson Cancer Center Palliative Medicine Fellowship Program. Michael E. DeBakey VA Medical Center agreed to support two palliative medicine fellowship positions and will be an active site for all MD Anderson Palliative Medicine fellows. Ursula Braun, MD, Chief of the Palliative Medicine program at MEDVAMC, was appointed fellowship site director. Dr. Braun recruited her first two fellows who started July 2019.

FACULTY

Interim Section Chief

- Aanand Naik, M.D.

Faculty

- Kathryn L. Sowell Agarwal, M.D.
- Latha Archibold, M.D.
- Jordan Boynton, M.D.
- Ursula K. Braun, M.D.
- Elizabeth Brierre, R.N., M.S.N., ANP-C
- Angela Catic, M.D.
- Alexie Cintron, M.D.
- Allison Dobecka, M.D.
- Aimee D. Garcia, M.D.
- Janet D. Harlan, M.S.N., B.S.N., GNP-BC
- Syed N. Imam, M.D.
- Leanne K. Jackson, M.D.
- Rashmi Jaitly, M.D.
- Delma I. Jara, M.D.
- Kimberly Johnson, M.S.N., ANP-BC
- Sanda Khin, M.D.
- Ana C. Macias, M.D.
- Anita B. Major, M.D.
- Tolulope Omolayo, M.D.
- Shannon Pearce, M.D.

- Jessy Philip, M.D.
- Tziona Regev, M.D.
- Julia Reyser, M.D.
- Sheila A. Richey, M.D.
- Robert E. Roush, Ed.D., M.P.H.
- Joel A. Salazar, M.D.
- Geraldine Salmeron, M.D.
- Sarah Selleck, M.D.
- Glencora Sharfman, M.D.
- George Taffet, M.D.
- Susan P. Williams, M.D.

Voluntary Faculty

- Julianna Fernandez, PharmD, B.C.P.S.
- Caroline Fife, M.D.
- Kristen Gateno, M.D.
- Shelley Gold, M.S.W.
- Joanna Ira, M.D.
- Erik Maus, M.D.
- Victor Narcisse, M.D.
- Oi-Yee I. Poon, M.D.
- Robert Reichlin, Ph.D.
- Jeffrey Sherer, PharmD
- Anita Woods, Ph.D.
- Munder Zagaar, PharmD, Ph.D.

Professional Organization/Association Offices Held

Naik, Aanand, M.D.

- Member, American Geriatrics Society Annual Meeting Planning Committee
- Director, VA Quality Scholars National Program Coordinating Center
- Director, VA Central Office, Geriatrics and Extended Care, Shared Decision Making Program

Wilson, Nancy, M.D.

- Chair, Data Safety Monitoring Board for “Oral Health Improvement in Individuals with Cognitive Impairment DSM”
- Chair, National Patient and Stakeholder Advisory Committee for Comparing Health

- Advisor, Best Practice Caregiving Project
- Education Planner and Subject Matter Expert, Medicare & Medicaid Services Webinars on Geriatric Competent Care
- Member, National Advisory Committee for Geriatric Workforce Enhancement Program-Coordinating Center

Editorial Board Memberships/Editorial Positions

Naik, Aanand, M.D.

- Editorial Board Member, Journal of the American Geriatrics Society

Taffet, George, M.D.

- Associate Editor, *Journal of Gerontology*, Health Services
- Associate Editor, *GeroScience*

RESEARCH ACTIVITIES

Grants

Naik, Aanand, M.D.

- Patient Priorities Care Demonstration Project; Geriatrics and Extended Care Program; \$120,000
- VA Quality Scholars Program Coordinating Center; VA Office of Academic Affiliations and VA Operations Funding; \$500,000
- VA Big Data Scientist Training Enhancement Program; VA Office of Academic Affiliations and VA Office of Research and Development; \$180,000
- VA Advanced Fellowship in Health Services Research; VA Office of Academic Affiliations and VA Health Services Research and Development; \$304,000
- Patient Centered Care for Older Adults with Advanced Liver Disease; VA Health Services Research and Development; \$980,000
- An Innovative Platform or Objective Monitoring of Instrumental Activities of Daily Living; National Institute of Aging/NIH; \$1,200,000
- Improving Care of Persons with Complex Health Conditions; Hartford Foundation; \$980,000

Publications

American Journal of Geriatric Psychiatry (IF **4.235**): 1

The American Journal of Managed Care (IF **1.321**): 1

Cell Stem Cell (IF **21.464**): 1

Gerontology (IF **3.353**): 1

Gerontology & Geriatrics Education (IF **.46**): 1

The FASEB Journal (IF **5.391**): 1

Journal of the American Geriatrics Society (IF **4.388**): 4

Journal of Continuing Education in the Health Professions (IF **1.265**): 1

Journal of Clinical Medicine (IF **5.688**): 1

Journal of General Internal Medicine (IF **4.606**): 1
Journal of Gerontology. Series A” Biological Sciences and Medical Sciences (IF **4.711**): 1
Journal for Healthcare Quality (IF **1.092**): 1
Journal of Interprofessional Care (IF **2.205**): 1
Journal of Physiology (IF **4.950**): 1
Journal of Surgical Research (IF **1.872**): 1
PLoS One (IF **2.776**): 1
Psycho-Oncology (IF **3.455**): 1
Telemedicine Journal and E-health: 1

Books and Book Chapters

Catic, Angela, M.D.

- *Dementia. Perioperative care of the elderly patient.* Edited by Barnett R and Neves SE. Cambridge, United Kingdom: Cambridge University Press, 2018

SECTION OF HEALTH SERVICES RESEARCH



SECTION CHIEF

Laura Petersen, M.D., M.P.H.

The (HSR&D) Center for Innovations in Quality, Effectiveness and Safety (IQuEst) is the largest center for health services research in the southwest and has been continuously funded since 1990, providing strong scientific leadership and institutional infrastructure dedicated to a model of embedded health system research. In the last decade, the number of funded investigators has grown over 200%, from 17 to 55 core members and there have been 34 academic promotions among core faculty. Moreover, total grant funding has more than doubled, with over \$21.5 million in research funding for FY19. We have a 20-year tradition of conducting research in partnership with the health care delivery system and responding to its needs, making us pioneers in the execution of the learning health care system model. The IQuEst mission, *“Improving health and well-being through innovations in health care delivery”*, emphasizes our commitment to transformative and innovative research. Our goals of innovation, implementation, and mentorship support our mission and vision.

IQuEst is ideally poised to contribute to making care more accessible, safer, and more patient-centered with innovative research, rapid implementation of evidence, novel methodologies that match the complexity of problems under study, solid partnerships that are built on decades of work, key stakeholder engagement, career development of future scientists, and infrastructure to promote a learning health care system within Baylor College of Medicine. Please join in a review of our achievements and recognition received during 2019.

IQuEst is ideally poised to contribute to making care more accessible, safer, and more patient-centered with innovative research, rapid implementation of evidence, novel methodologies that match the complexity of problems under study, solid partnerships that are built on decades of work, key stakeholder engagement, career development of future scientists, and infrastructure to promote a learning health care system within Baylor College of Medicine. Please join in a review of our achievements and recognition received during 2019.

Professor of Medicine, Chief, Section of Health Services Research BCM
MEDVAMC Associate Chief of Staff, Research; Director IQuEst

HIGHLIGHTS

New Funding

- Impact of Team Configuration and team Stability on Primary Care Quality (AHRQ R01); PI: Sylvia Hysong (\$1.58 million)
- Improving Diagnosis in Emergency and Acute Care: A Learning Laboratory (AHRQ R18); PI: Hardeep Singh (\$2.48 million)
- Safer Dx Guide for Organizational Risk Assessment to Improve Diagnostic Safety (Gordon and Betty Moore Foundation); PI: Hardeep Singh (\$300,000)
- Southeast Texas Geriatric Workforce Enhancement Program (HRSA); PI: Aanand Naik (\$3.75 million)
- Reducing Use of Antibiotics without Prescription among Outpatients in a Safety Net Healthcare System (AHRQ R01); PI: Barbara Trautner/Grigoryan (\$2.5 million)
- Effectiveness of Healthy Sleep Habits for Hospitalized Older Adults to Optimize Rehabilitation

(NINR R01); PI: Sara Nowakowski (\$2.71 million)

- Preventing Persistent Post-Surgical Pain and Dysfunction in At-Risk Veterans: Effect of a Brief Behavioral Intervention (National Institute of Nursing Research R01); Co-PI: Lilian Dindo (\$1.8 million)
- Leading Healthcare Improvement: Leadership Training for Applying Improvement Strategies (VA QUERI); PI: Kyler Godwin (\$150,000)

New Collaborations

- **SHARE:** Surgical Health Services Academy for Research & Education
- **ICTR:** Explorations in big data; KL2; Informatics
- **BSLMC:** Developing an infrastructure of Quality Improvement

Awards

- **Dr. Barbara Trautner:** Robertson Presidential Award for Excellence in Education
- **Dr. Sara Nowakowski:** Society of Behavioral Sleep Medicine Arthur J. Spielman Early Career Distinguished Achievement Award
- **Dr. Ashley Meyer:** 2nd Annual Early Career IQuEST Faculty Research Award
- **Dr. Lilian Dindo:** IQuEST Outstanding Faculty Educator
- **Dr. Kyler Godwin:** IQuEST Outstanding Faculty Educator

Education Offerings

- TRAP course: (Jessica Davila, LeChauncy Woodard)
- QI/PS: Quality Improvement and Patient Safety (**Kyler Godwin**)
- LHI: Leading Healthcare Improvement (**Kyler Godwin**)
- CRQS: Chief Residency in Quality & Safety (**Naik, Horstman**)

Space Renovation

- The new IQuEST space will be revealed in 2020!

Wellness

- Walking Club
- Parent's Support Group
- Brown Bag sharing sessions
- Ice Cream Socials
- Holiday parties
- Pancake Cook-offs

FACULTY

Section Chief

- Laura Petersen, M.D.

Primary Faculty

- Amber Amspoker, Ph.D.
- Israel Christie, Ph.D.
- Jessica Davila, Ph.D.
- Traber Giardina, Ph.D.
- Kyler Godwin, Ph.D.
- Vivian Ho, Ph.D.
- Molly Horstman, M.D.
- Sylvia Hysong, Ph.D.
- Jennifer Kramer, Ph.D.
- Lindsey Martin, Ph.D.
- Ashley Meyer, Ph.D.
- Whitney Mills, Ph.D.

- Daniel Murphy, M.D.
- Aanand Naik, M.D.
- Nancy Petersen, Ph.D.
- Peter Richardson, Ph.D.
- Shubhada Sansgiry, M.D.
- Hardeep Singh, Ph.D.
- Richard Street Jr., Ph.D.
- Barbara Trautner, M.D.
- Annette Walder
- Donna White, Ph.D.
- Lechauncy Woodard, M.D.

Secondary Faculty

- Mark Kunik, M.D.
- Jeff Cully, Ph.D.
- Nader Massarweh, M.D.

RESEARCH ACTIVITIES

Cully, Jeffery, M.D.

- Effectiveness and Implementation of Brief Cognitive Behavioral Therapy in CBOCs; HSR&D; \$869,333

Davila, Jessica, Ph.D.

- A Multi-Level Intervention to Improve Cancer Care for Hepatocellular Carcinoma; HSR&D; \$720,909

Godwin, Kyler, Ph.D.

- Leading Healthcare Improvement: Leadership Training for Applying Improvement Strategies; QUERI; \$150,000

Hysong, Sylvia, Ph.D.

- Impact of Team Configuration and Team Stability on Primary Care Quality; R01: Agency for Healthcare Research and Quality; \$1,580,000

Kanwal, Fasiha, M.D.

- Patient Centered Care for Individuals with Advanced Liver Disease; HSR&D IIR; \$989,057
- Risk Stratification for Early Detection of Liver Cancer; U01 National Cancer Institute; \$4,398,981

Lindsay, Jan, Ph.D.

- Serving Rural Veterans Where They Live: Implementing VA Video to Home for Mental Health Treatment; Office of Rural Health; \$319,000

Massarweh, Nader, M.D.

- Comparative Effectiveness of Alternative Strategies for Monitoring Hospital Surgical Performance; HSR&D; \$96,499

Petersen, Laura, M.D.

- Improving the Measurement of VA Facility Performance to Foster a Learning Healthcare System; HSR&D; \$554,181
- Center for Innovations in Quality, Effectiveness and Safety (renewal); HSR&D COIN; \$4,000,000

Singh, Hardeep, M.D.

- Patient Safety Center of Inquiry to Improve Outpatient Safety through Effective Electronic Communication; VA National Center for Patient Safety; \$579,200
- The Safer DX Learning Lab: A Demonstration Project for Improving Diagnostic Safety; Gordon and Betty Moore Foundation; \$3,526,400

Trautner, Barbara, M.D.

- Less is More: Improving Antimicrobial Stewardship for Asymptomatic Bacteriuria; HSR&D; \$173,695
- Creating an Outpatient-Specific Antibigram to Guide Treatment for Urinary Tract Infections; R03: National Institute of Allergy and Infectious Diseases; \$99,844

Virani, Salim, M.D.

- Determining and Targeting Reasons for Low Statin Use to Improve Guideline-Concordant Statin Therapy in High-Risk Patients; HSR&D; \$142,614

HONORS AND AWARDS

Amspoker, Amber, Ph.D.

- Journal Editorial Board: *Clinical Gerontologist*
- Journal Editorial Board: *Journal of Clinical Psychology in Medical Settings*

Davila, Jessica, Ph.D.

- Director, Design and Analysis Program, Center for AIDS Research, BCM
- Editorial Board, *World Journal of Gastroenterology*
- Editorial Board, *World Journal of Clinical Oncology*

Godwin, Kyler, Ph.D.

- BCM, Master Facilitator, Team Launch
- Module Leader, Team Launch, Launch Pad Module 3, Applying Teamwork Tools, Part 2: Coaching, Conflict, Capabilities and Conditions
- BCM, Co-Module Leader, Team Launch, Launch Pad Module 4, Putting it all together!
- Vice Chair Group for Quality Improvement and Innovation, Evaluation Specialist
- Co-Director –Advanced Fellows National Curriculum Workgroup, Office of Academic Affiliations, United States Department of Veterans Affairs
- Co-Leader, Team Projects, Healthcare Quality Track, Quality Enhancement Program, Baylor College of Medicine

- Team Member, Quality Enhancement Program Committee, Baylor College of Medicine
- Co-Director, VA Quality Scholars Coordinating Center, Center for Innovations in Quality, Effectiveness and Safety (IQeSt), Michael E. DeBakey VA Medical Center
- Co-Director, Health Professions Education Evaluation and Research Fellowship, IQeSt, Michael E. DeBakey VA Medical Center
- Associate Director, Education Core, IQeSt, Michael E. DeBakey VA Medical Center

Horstman, Molly, M.D.

- BCM, GME Faculty Workgroup in Continuous Quality Improvement
- Society of Hospital Medicine, Committee Member, Performance Measurement and Reporting Committee

Hysong, Sylvia, Ph.D.

- Subject Matter Expert. U.S. Department of Veterans Affairs Modernization, Functional Review Panel
- Subject Matter Expert. VHA Physician Burnout Research Summit
- Associate Director, VA Quality Scholars Coordinating Center
- VA Scientific Merit Review Board
- Subject Matter Expert, VA Pay-for-Performance Initiative
- Steering Committee Member, International Audit and Feedback Meta-Laboratories
- Norton Rose Fulbright Faculty Excellence Award – Educational Leadership

Martin, Lindsey, Ph.D.

- HSR&D Veteran Engagement Workgroup, Department of Veterans Affairs

Meyer, Ashley, Ph.D.

- Co-Chair, The Society to Improve Diagnosis in Medicine’s Research Committee

Murphy, Daniel, M.D.

- Medical Director, General Internal Medicine at Baylor Clinic
- Director, Baylor St. Luke’s Medical Group Board of Directors
- Baylor College of Medicine Quality Improvement and Patient Safety, abstract review

Naik, Aanand, M.D.

- Associate Editor & Editorial Board Member: *Clinical Gerontology*
- Standing member, Patient-Centered Outcomes Research Institute
- BCM, Longitudinal Ambulatory Care Education Steering Committee
- BCM Faculty Committee on Medical Student Curriculum Standing Committee Member
- BCM Faculty Standing Committee on Research Member
- Texas Medical Center Health Policy Institute
- Vice Chair of Quality Improvement and Innovations, Alkek Department of Medicine, Baylor College of Medicine
- Director, Coordinating Center for VA Quality Scholars Program

Petersen, Laura, M.D.

- Associate Chief of Staff for Research, Michael E. DeBakey VA Medical Center

- Chair, Internal Advisory Committee, CPRIT Training Program, “Cancer Prevention Post-Graduate Training Program in Integrative Epidemiology
- Co-Chair, Texas Medical Center Clinical Research Design Team
- Health Policy Scholar, Center for Medical Ethics and Health Policy, BCM
- Chief, Health Services Research Section, Department of Medicine, Baylor College of Medicine
- VA HSR&D Quality Enhancement Research Initiative (QUERI) Strategic Advisory Committee
- Leader, MEDVAMC Research Value Stream
- Invited Technical Expert, Evidence-based Synthesis Program (ESP), “Pay for Performance and Veteran Care: Effects, Implementations, and Unintended Consequences”
- VA Under Secretary’s Award for Outstanding Achievement in Health Services Research, 2018

Petersen, Nancy, Ph.D.

- Chair, American Statistical Association, Committee on Membership Recruitment and Retention
- Reviewer for HSRD/QUERI National Conference

Sansgiry, Shubhada, Ph.D.

- Editorial Board Member, Journal of Pharmaceutical Analytics and Insights

Singh, Hardeep, M.D.

- Appointed to the Harris County Medical Society Health Information Technology (HIT) Committee
- Nominated Member, National Quality Forum Improving Diagnostic Accuracy Committee
- Co-Chair, National Quality Forum Committee for Identification and Prioritization of HIT Patient Safety Measures
- Associate Editor, *Diagnosis*
- Co-Chair, Closing the Referral Loop Expert Panel, National Patient Safety, Foundation – Institute for Healthcare Improvement, Boston, MA
- Patient Safety Expert of the Year 2017 – Texas Award, *Corporate Vision Magazine*
- HHS Appointed Member, Clinical Laboratory Improvement Advisory Committee
- Lead Research Consultant, VHA EPRP Measurement of Communication of Test Results Initiative
- Editorial Committee Board, International Journal for Quality in Health Care
- Editorial Advisory Board, The Joint Commission Journal on Quality and Patient Safety
- International Review Panel for India Alliance Fellowship, The Wellcome Trust/DBT India Alliance

Trautner, Barbara, M.D.

- Ben and Margaret Love Foundation Bobby Alford Award for Academic Clinical Professionalism, BCM, Director of Clinical Research, Department of Surgery, BCM
- Invited member of SHEA Public Policy and Government Affairs Committee
- Chair of Review Panel for 2017 Healthcare Innovations Seed Grants, Department of Medicine
- Norton Rose Fulbright Faculty Excellence Award, Enduring Educational Materials
- Editorial Board Member, *Journal of Surgical Research*

White, Donna, Ph.D.

- Texas Medical Center Digestive Diseases Center at Baylor College of Medicine, Member (elected), NIDDK P30 site
- Dan L Duncan Comprehensive Cancer Center at Baylor College of Medicine, Member (elected), NCI P30 site
- Center Translational Research in Inflammatory Disease at the Michael E. DeBakey VA Medical Center, Associate Member (elected)

Woodard, Lechauncy, M.D.

- Elected BCM, Faculty Senate Secretary
- BCM, Academic Council Representative
- Deputy Editor, *Journal of General Internal Medicine*

SECTION OF HEMATOLOGY/ONCOLOGY



SECTION CHIEF

Martha Mims, M.D., Ph.D.

The section of Hematology and Oncology has continued to grow in 2019 in our three missions of clinical care, education and research. In partnership with the Dan L Duncan Comprehensive Cancer Center, we welcomed three new clinical faculty members to solid tumor oncology, one to supportive oncology and two to our benign hematology group. We added an additional basic scientist to our group and one of our postdoctoral fellows joined as a tenure track faculty member. Our fellowship has grown to 22 fellows, with plans to increase by two more in the coming year. More than half of our senior fellows trained in basic science labs in 2019 and we continue to train graduate students and postdoctoral fellows. Our laboratory-based and clinical research programs have continued to grow with increasing grant and clinical

trials support. The section continues to educate students, residents and fellows from the classroom to the bedside and a number of our faculty have been awarded Norton Rose Fulbright Awards for these efforts. The section looks forward to continued growth in all of our programs in 2020.

A handwritten signature in black ink that reads "Martha Mims". The script is fluid and cursive.

Martha P. Mims, M.D., Ph.D.
Professor of Medicine
Section Chief, Hematology/Oncology

HIGHLIGHTS

Education

- The 2nd Annual Hematologic Malignancies Symposium with national and international speakers on myeloid malignancies (Gustavo Rivero, Chair)
- 2019 MD Anderson Cancer Center/Baylor College of Medicine Hematology and Medical Oncology Board Review (Martha Mims, BCM Chair)
- Chair of the ABIM Hematology Board (Mark Udden)

Research

- Minority PDX Development and Trial Center U54 (Nicholas Mitsiades and Matthew Ellis, PIs)
- CPRIT recruitment grants for Valentina Hoyos, Ang Li, and Gloria Echeverria
- AACR Distinguished Award for Extraordinary Scientific Achievement and Leadership in Breast Cancer Research (Kent Osborne)

Clinical Care

- Three "top doctors" (Musher, Carrum, Mims)
- Two early career awards for excellence in patient care (Miller-Chism, Sad)

FACULTY

Primary Faculty

- Charu Agrawal, M.D.
- Tannaz Armaghany, M.D.
- Malcolm K. Brenner, M.D.
- Michael Byrd, N.P.
- Sita Bushan, M.D.
- George Carrum, M.D.
- Margaret G. Crawford, M.S.N., B.S.N.
- Chad Creighton, M.D.
- Gloria Echeverria, M.D.
- Hazem El Osta, M.D.
- Matthew J. Ellis, M.D.
- Suzanne A. W. Fuqua, M.D.
- Helen E. Heslop, M.D.
- Laquisa Hill, M.D.
- Susan Galloway Hilsendbeck, M.D.
- Valentina Hoyos, M.D.
- Quillan Huang, M.D.
- Aparna Jotwani, M.D.
- Rammurti T. Kamble, M.D.
- Salma Kaochar, Ph.D.
- Jan Kemnade, M.D.
- Manila Kumar, N.P.
- Fang-Tsyr Lin, M.D., Ph.D.
- Weei-Chin Lin, M.D., Ph.D.
- Hao Liu, M.D.
- Premal Lulla, M.D.
- Courtney N. Miller-Chism, M.D.
- Martha Mims, M.D., Ph.D.
- Nicholas Mitsiades, M.D., Ph.D.
- Benjamin L. Musher, M.D.
- Julie Nangia, M.D.

- C. Kent Osborne, M.D.
- Carlos A. Ramos, M.D.
- Mothaffar F. Rimawi, M.D.
- Gustavo A. Rivero, M.D.
- Anita L. Sabichi, M.D.
- Yvonne H. Sada, M.D.
- Rachel Schiff, M.D.
- Maryam Nemati Shafee, M.D.
- Brandon G. Smaglo, M.D.
- Masataka Suzuki, M.D.
- Sravanti P. Teegavarapu, M.D.
- Perumal Thiagarajan, M.D.
- Mark M. Udden, M.D.
- Juan Vera Valdez, M.D.
- Daniel Y. Wang, M.D.
- Tao Wang, M.D.
- Norihiro Watanabe, M.D.
- Zahida Yasin, M.D.
- Sarvari V. Yellapragada, M.D.
- Aihua E. Yen, M.D.

Emeritus Faculty

- Gerald S. Cyprus, M.D.
- Teresa Hayes, M.D.
- Edward C. Lynch, M.D.
- Garrett R. Lynch, M.D.
- Joel L. Moake, M.D.
- David A. Spears, M.D.
- Robert F. Todd III, M.D.

Adjunct Faculty

- Powel H. Brown, M.D.
- Elizabeth Rogg, M.D.

RESEARCH ACTIVITIES

Chammness, Gary, M.D.

- Yr 5: NRG Oncology Biospecimen Bank; NIH; \$50,976
- A Phase II Clinical Trial Platform of Sensitization Utilizing Total Neoadjuvant Therapy in Rectal Cancer (The “G1002 Project”); NSABP; \$7,026

Creighton, Chad, M.D.

- Subaward: Prostate Epithelial Lineage Hierarchy; NIH (R01); \$10,871
- Molecular Mechanisms of Initiation of Benign Prostatic Hyperplasia; NIH (R01); \$10,645

Ellis, Matthew, M.D.

- Yr 5 – BR003-A Randomized Phase III Trial of Adjuvant Therapy Comparing Doxorubicin Plus Cyclophosphamide Followed by Weekly Paclitaxel With or Without Carboplatin in Node-Positive or High-Risk Node-Negative Triple-Negative Invasive Breast Cancer; Breast Cancer Research Foundation; \$208,333
- Yr 5 – BR003-A Randomized Phase III Trial of Adjuvant Therapy Comparing Doxorubicin Plus Cyclophosphamide Followed by Weekly Paclitaxel With or Without Carboplatin in Node-Positive or High-Risk Node-Negative Triple-Negative Invasive Breast Cancer; Breast Cancer Research Foundation (amend3 NSABP); \$85,550
- Yr 3: (MPI – U01) Microscaled Proteogenomics for Cancer Clinical Trials (Cptac); NIH U01-CA214125; \$1,167,618
- Yr 3: (MPI – U01) Microscaled Proteogenomics for Cancer Clinical Trials (Cptac); NIH U01-CA214125 -03 Amend 2_DU_Hyslop_PO 7000000435; \$16,109
- Yr 3: (MPI – U01) Microscaled Proteogenomics for Cancer Clinical Trials (Cptac); NIH U01-CA214125 -03 Amend 2_Mayo_Suman_PO 7000000469; \$16,377
- Yr 3: (MPI – U01) Microscaled Proteogenomics for Cancer Clinical Trials (Cptac); NIH U01-CA214125 -03 Amend 2_UNC_Perou_PO 7000000410; \$32,673
- Yr 3: (MPI – U01) Microscaled Proteogenomics for Cancer Clinical Trials (Cptac); NIH U01-CA214125 -03 Amend 5_Broad_Carr_PO 7000000403; \$770,632
- Mismatch Repair Defects and Endocrine Therapy Resistance in Er+ Breast Cancer; Susan G Komen Breast Cancer Foundation; \$6,000
- Proteogenomics of Endocrine Therapy Resistance; Susan G Komen Breast Cancer Foundation 1; \$320,000
- Yr 1: BC151851: Project 1: Direct Regulation of Estrogen Receptor Transcriptional Activity by Nf; United States Army Medical Research & Materiel Command (DOD); \$102,841

Fuqua, Suzanne, M.D.

- Yr 5: Role of ESR1 Mutations in Breast Cancer Progression; Breast Cancer Research Foundation; \$208,333
- Project 2: Overcoming Endocrine Insensitivity in Er-Positive Breast Cancer Patients; CPRIT; \$218,500
- Yr 20: Integration of Predictive Biomarkers of Hormone Resistance in Breast Cancer; NCI; \$202,500
- Yr 3: Mechanisms of AR-ER Collaboration in Hormone Resistance and Metastasis of Breast Cancer; NIH; \$221,887

- Yr 1: T32 Translational Breast Cancer Research Training Program; NIH; \$180,114

Heslop, Helen, M.D.

- PREVALE – Phase 1 Study Combining Nivolumab with Epstein Barr Virus Specific T Cells in Relapsed/Refractory EBV Positive Lymphoma Patients; Cell Medica, Ltd.; \$224,894
- SPORE in Lymphoma; P50 NIH NCI; \$1,503,172
- Yr 1: Stand Up to Cancer; P50 NIH NCI; \$2,549,884
- Yr 2: Specialized Center of Research: Immunotherapy for Hematologic Malignancies; Leukemia and Lymphoma Society; \$833,334
- Baylor College of Medicine Cancer Center; NIH NCI; \$56,000
- Yr 8: Targeting HIV and EBV Antigens in Patients with HIV Lymphoma; \$142,500
- Yr 11: Training in Cell and Gene Therapy; NIH-NHLBI; \$331,074
- Yr 2: TESSA Therapeutics PTE; \$189,762
- Yr 2: MABEL: Administration of Most Closely Matched Third Party Rapidly Generated LMP, Barf1, and Ebna Specific Lymphocytes to Patients with EBV-Positive Lymphoma; TESSA Therapeutics PTE; \$260,088
- Yr 1: GINAKIT2: GD2 Specific Chimeric Antigen Receptor and Interlukin-15 Expressing Autologous Natural T-Cells to Treat Children with Neuroblastoma; Medica, Ltd. \$295,078
- Yr 16: Enhancing T Cell Therapy of Cancer; Project 4: Improving T Cell Therapies for Nasopharyngeal Cancer; NIH NCI; \$155,492

Hoyos, Valentina, M.D.

- Yr 1: Recruitment of First-Time, Tenure Track Faculty Member Dr. Valentina Hoyos Velez (Rft); CPRIT; \$467,778

Kaochar, Salma, M.D.

- After the Fact Submission - Characterization of First-in-Class Oncometabolic Inhibitor FGH; Biotech, Inc.; \$140,600
- Targeting the P160 Steroid Receptor Coactivators (SRCs) in African American Prostate Cancer; Prostate Cancer Foundation; \$75,000

Kavuri, Meghashyam, M.D.

- BC170466: Targeting DDR1 Aberrations in Metastatic Er+ Breast Cancer; Department of Defense Congressionally Directed Medical Research Programs; \$250,000
- Yr 1: Kinome Analysis to Rationalize Targeting Her2 and DDR1 Breast Cancer Mutations; Susan G Komen Breast Cancer Foundation; \$130,000
- Yr 2 - BC170276P1 Mismatch Repair Loss Renders Er+/Her2- Breast Cancer Susceptible to Her2/3 Inhibition; United States Army Medical Research & Materiel Command (DOD); \$98,140

Lapteva, Natalia, M.D.

- Pact Lovo Study; NHLBI; \$50,455

Lin, Weei-Chin, M.D.

- Exploiting a New Achilles Heel of Mutant P53 in Breast Cancer; Department of Defense Congressionally Directed Medical Programs; \$250,000
- Yr 15: The Atm/E2F1 Pathway in DNA Damage and Growth Control; NIH (R01); \$218,250

- Yr 3: MPI-Novel Therapeutics for Targeting Checkpoint Dysfunction in Cancer; NIH (R01); \$221,887
- Yr 5 - BCM Oncology Scholars Training Program; NIH; \$239,811

Lulla, Premal, M.D.

- Safety and Efficacy of Adoptively Transferred Multitaa Specific T Cells to Patients with Multiple Myeloma; American Society of Hematology; \$75,000
- Tailoring a T Cell Therapy to Patients with MDS; Edward P. Evans Foundation; \$181,818

Mitsiades, Nicholas, M.D.

- Translational Research in Breast Cancer (SPORE) Project 2: PKC-Mediated Inhibition of SRC-3 for the Treatment of ER+ Breast Cancer; \$173,917
- Developing transgenic animal models to address the role of GATA2 in prostate cancer; \$202,210
- Regulation of Uveal Melanoma Cell Fate by the PKC Pathway via MTF; \$228,750
- Targeting SPOP; \$169,391
- A First-in-Field Approach to Target a Previously Undruggable Oncogene Family in Prostate Cancer; \$200,000
- Sensitization of Castration Resistant Prostate Cancer to Chemotherapy via BRCA-1/BRCA-2 Induced DNA Replication Stress; Department of Defense Congressionally Directed Medical Research Programs; \$200,00
- Developing SPOP Inhibitors; Diana Helis Henry Medical Research Foundation Cancer Program; \$190,810
- Yr 4: Regulation of Uveal Melanoma Cell Fate by MITF via the PKC Pathway; NCI (R01); \$228,750
- Minority PDX Development and Trial Center: Baylor College of Medicine and MD Anderson Cancer Center Collaboration on Mechanistic Studies to Dissect and Combat Health Disparities in Cancer; NIH; U54-CA233223-01; \$4,207,746
- Minority PDX Development and Trial Center: Baylor College of Medicine and MD Anderson Cancer Center Collaboration on Mechanistic Studies to Dissect and Combat Health Disparities in Cancer; NIH U54-CA233223-01 Agreement_MDA_Navone_PO 7000000930; \$161,824

Nangia, Julie, M.D.

- 2019-2020 Pink for Life: Facilitating Breast Cancer Prevention and Treatment in Underserved & Minority Women; Susan G Komen; \$40,000

Nemati Shafae, Maryam, M.D.

- Astrazeneca – Breast Cancer Research and Education Program; Astrazeneca; \$3,000

Osborne, C. Kent, M.D.

- Yr 12: Baylor College of Medicine Cancer Center; NCI; \$2,020,895
- 12S4: Deep Phenotyping and Pan-Omics of Acute Lymphoblastic Leukemia in Down Syndrome (Assist Id #350407); NCI; \$447,705
- 12S4: Deep Phenotyping and Pan-Omics of Acute Lymphoblastic Leukemia in Down Syndrome (Assist Id #350407); NCI; \$181,638
- 12S1 Underrepresented High School and Undergraduate Student Research Experiences (Cure) Prior Year: 10S3 - (Brain 23664-S36), Prior Year: 11S2- (Brain 23664-S47); NCI; \$75,000

- 12S2_Year 2: NCI Moonshot Initiative: Administrative Supplements for the P30 Cancer Center Support Grant to Develop Tobacco Cessation Treatment Capacity and Infrastructure for Cancer Patients Previous Year 23664-S46; NCI; \$157,727
- 12S3 Administrative Supplement to Strengthen NCI-Supported Community Outreach Capacity Through Community Health Educators of the National Outreach Network Prior Year: 11S1 (Brain 23664-S48); NCI; \$78,867

Ramos, Carlos, M.D.

- Amendment: HPV 16/18 E6/E7- Specific T Cells for Treatment of HPV-Associated Cancers; Tessa Therapeutics Pte. LTD.; \$356,003

Rimawi, Mothaffar, M.D.

- Pink for Life - Expanding and Improving Breast Cancer Care and Prevention in Minority and Economically Disadvantaged Women; Avon Foundation; \$22,727
- Pink For Life - Expanding and Improving Breast Cancer Care and Prevention in Minority and Economically Disadvantaged Women; Avon Foundation; \$45,455
- Translational Breast Cancer Research Consortium Infrastructure Support Task Order; Breast Cancer Research Foundation; \$30,000
- A New Paradigm for De-Escalation of Treatment in Her2 Positive Breast Cancer: Revolutionizing Care with More Effective and Less Toxic Therapy; Department of Defense Congressionally Directed Medical Research Programs; \$314,641
- Translational Breast Cancer Research Consortium Infrastructure Support Task Order: Susan G. Komen Foundation; Susan G Komen Breast Cancer Foundation; \$28,125

Schiff, Rachel, M.D.

- Mechanisms of Resistance to Her2 and ER-Targeted Therapies and Novel Therapeutic Strategies; Breast Cancer Research Foundation; \$208,333
- Targeting the Mechanism of Hyperactive Foxa1 in Transcriptional Reprogramming Toward Endocrine Resistance and Metastasis in Breast Cancer; CPRIT; \$284,863
- NLK as Attractive Drug Target for Intractable Breast Cancer? (5R01Ca18136); NIH (R01); \$15,018
- Evaluate the Therapeutic Efficacy of Neratinib in Combination with Trastuzumab for Her2-Positive Breast Cancer Puma; Biotechnology Inc.; \$74,074
- A New Paradigm for De-Escalation of Treatment in Her2 Positive Breast Cancer: Revolutionizing Care with More Effective and Less Toxic Therapy; U.S. Army Medical Research & Materiel Command (Department of Defense); \$833,990
- A New Paradigm for De-escalation of Treatment in Her2 Positive Breast Cancer: Revolutionizing Care with More Effective and Less Toxic Therapy; U.S. Army Medical Research & Material Command (Department of Defense) (amend1 MSKCC); \$194,137

Suzuki, Masataka, M.D.

- Combinatorial Treatment with Armed Oncolytic Ad Gene Therapy and Car T-Cell Therapy for Squamous Cell Carcinoma of the Head and Neck (HNSCC); Tessa Therapeutics Pte. Ltd.; \$389,000
- Pre-Clinical Study of GPC3-Car Advsts; Tessa Therapeutics; \$250,001
- Grant Funding for Manpower Costs for Tessa Projects; Tessa Therapeutics Pte. Ltd.; \$128,199

Vera Valdez, Juan, M.D.

- Engineered T-Cell Therapy for Advanced Prostate Cancer; American Cancer Society; \$130,899
- Administration of Donor-Derived Multi-Tumor-Associated Antigen (Taa) – Specific T-Cells to Patients with AML or MDS (ADSPAM); Marker Therapeutics, LLC; \$160,375

Watanabe, Norihiro, M.D.

- Amendment #3: To Add an Additional Funds & Extend Term – Cook Regentec LLC SRA; Cook Regentec; \$28,536
- Amendment #5: To Add an Additional Funding to NCE – Cook Regentec LLC SRA; Cook Regentec; \$10,012
- Amendment #6: To Add Additional Funding to NCE – Cook Regentec LLC SRA; Cook Regentec

HONORS AND AWARDS

Carrum, George, M.D.

- Castle Connolly Top Doctors

Heslop, Helen, M.D.

- American Society for Blood and Marrow Transplantation Lifetime Achievement Award, 2019

Kaochar, Salma, M.D.

- 2018 Prostate Cancer Foundation Young Investigator Award

Miller-Chism, Courtney, M.D.

- Early Career Faculty Award for Excellence in Patient Care

Mims, Martha, M.D.

- Houstonia Magazine Top Doctor
- Baylor Oncology Fellowship; Best Clinic Experience Teaching of the Year, for Hematology Clinic; 2018

Musher, Benjamin, M.D.

- “Top Doctor,” Harris Health System
- Baylor Oncology Fellowship; Best Clinic Experience Teaching of the Year, for GI Oncology Clinic; 2018
- *Houstonia Magazine* Top Doctor

Osborne, C. Kent, M.D.

- 2018 AACR Distinguished Award for Extraordinary Scientific Achievement and Leadership in Breast Cancer Research.

Rivero, Gustavo, M.D.

- Norton Rose Fulbright Faculty Excellence Award for Teaching and Evaluation

Sada, Yvonne, M.D.

- Early Career Faculty Award for Excellence in Patient Care

Sosa, Iberia, M.D.

- That’s The Way Player of the Month Award:
- Center of Excellence in Healthy Equity, Training, and Research Junior Faculty Scholar 2018-2019 Cohort

Udden, Mark, M.D.

- Chair, American Board of Internal Medicine Hematology Board
- Baylor Oncology Fellowship; Best Clinic Experience Teaching of the Year, for Hematology Clinic; 2018

SECTION OF IMMUNOLOGY, ALLERGY AND RHEUMATOLOGY



SECTION CHIEF

Sandeep Agarwal, M.D., Ph.D.

The year 2019 has been an exciting year as we continue our growth and building for the future of the Section of Immunology, Allergy and Rheumatology. Our faculty, trainees, and staff make important contributions to the education, research and clinical missions of Baylor College of Medicine, which we herein recognize.

This report contains some of achievements of the year past. This is our foundation from which we will continue to build the future of Immunology, Allergy and Rheumatology at Baylor College of Medicine. I am honored and excited to lead our talented and committed Section into a bright future.

A handwritten signature in black ink, appearing to read 'S. Agarwal', written in a cursive style.

Sandeep Agarwal, M.D., Ph.D.
Associate Professor
Chief, Section of Immunology, Allergy and Rheumatology

HIGHLIGHTS

One of the most important highlights in 2019 is the restart of the Allergy and Clinical Immunology Clinic in the Faculty Group Practice. With the arrival of Dr. Sanjiv Sur, a physician-scientist, we are not only providing outstanding care for patients with allergic diseases at the Baylor Clinic, but we have also increased the depth of our research portfolio. The Allergy and Clinical Immunology Clinic will be growing in the coming year and will also help the Section provide related clinical services in our other clinical pavilions as well.

In the past year, we have seen continued success in our research programs. Faculty members in the Section have published 53 peer-reviewed manuscripts. Research programs were supported by 20 grants from the National Institutes of Health, CPRIT, and foundations, including one grant supporting the start of our clinic trials program. Faculty members have also given 18 invited seminars to local, national and international audiences. Finally, our Section is the home of the Biology of Inflammation Center, which provides research and educational support for immune-related diseases across the entire College.

I would also like to recognize all of the important contributions that our Section makes in the clinical and educational missions. Our physicians provide outstanding, patient-centered care across all of our

clinical pavilions, including Baylor Clinic, Baylor St. Luke's Medical Center, the Michael E. DeBakey VA Medical Center, Texas Children's Hospital, Harris Health Smith Clinic, and Ben Taub Hospital. All levels of trainees, including medical students, graduate students, physician-assistant students, internal medicine residents, postdoctoral fellows and clinical fellows, benefit from our commitment to mentoring and teaching. The quality of our Rheumatology and Allergy fellowship program applicants and matriculating fellows and the programs they train in continues to climb. The Immunology, Allergy and Rheumatology faculty is completely dedicated to the clinical and scholarly development of our fellows. We train outstanding physicians and our graduates obtain an outstanding foundation for their subsequent careers, in both academic and community settings.

FACULTY

Section Chief: IAR

- Sandeep K. Agarwal, M.D.

Faculty – Rheumatology

- Joan Appleyard, M.D.
- Kalpana Bhairavarasu, M.D.
- Onome Ifoeze, M.D.
- Grace Hsiao-wei Lo, M.D.
- Rashmi Maganti, M.D.
- Dona Poulouse, M.D.
- Tiphonie P. Vogel, M.D.
- Michael C. Wu, M.D.

Faculty – Immunology and Allergy

- David B. Corry, M.D.

- David B. Engler, M.D.
- Sana Hasan, M.D.
- Evan Li, M.D.
- Frank Orson, M.D.
- Roger D. Rossen, M.D.
- Sanjiv Sur, M.D.

Faculty – Research

- Antony Rodriguez, Ph.D.
- Li-Yuan Yu-Lee, Ph.D.

Emeritus Faculty: Rheumatology

- Donald M. Marcus, M.D.

RESEARCH ACTIVITIES

Bhairavarasu, Kalpana, M.D.

- Implementing Decision Aid for Lupus – IDEAL STRATEGY; Patient-Centered Outcomes Research Institute

Corry, David, M.D.

- Fungal Pathogenesis of Moderate to Severe Asthma; NIH (R01)
- Immunology Scientist Training Grant; NIH/NIAID
- Mechanism and Function of Let-7, a Novel Modulator of Th17-dependent Emphysema; NIH/NHLBI (R01)
- The Houston “Breathe Easy” Healthy Homes-Based Model; USDHUD

Lo, Grace, M.D.

- Feasibility of a Novel Approach to Studying Early Knee Osteoarthritis: an Offspring Study; NIH/NIAMS
- A Pilot Randomized Controlled Trial of Hand Traction for Nodal Osteoarthritis; NIH/NIAMS

Maganti, Rashimi, M.D.

- A Randomized, Double-Blind Placebo Controlled Multi-Center Phase 2 Dose Ranging Study to Assess the Safety and Efficacy of Multiple VAY736 Doses Administered Subcutaneously in Patients with Moderate to Severe Primary Sjogren’s Syndrome; Novartis Pharmaceuticals

Rodriguez, Antony, M.D.

- Role of Let-7 MicroRNA in Chronic Obstructive Pulmonary Disease (Rodriguez); Gillson-Logenbaugh Foundation Award
- Mechanism and Function of Let-7, A Novel Modulator of Th17-Dependent Emphysema; NIH/NHLBI (R01)

Sur, Sanjiv, M.D.

- Role of Cytosolic DNA-Multiprotein Interactome in Allergic Airway Inflammation; NIH/NHLBI (R01)
- Role of Cytosolic DNA Sensor in Allergic Airway Inflammation; Dept. of Defense Grant

Vogel, Tiphannie, M.D.

- BRIDGE, Baylor Rheumatology Initiative: Developing and Guiding Engagement; Rheumatology Research Foundation Medical Student Preceptorship
- BCM Clinical Site for an Undiagnosed Diseases Network; NIH
- A Targeted Approach to Cytokine Blockade in Juvenile Arthritis (Vogel); Thrasher Research Fund
- Validating STAT3 as a Therapeutic Target in Arthritis (Vogel); Arthritis National Research Foundation Grant

Yu-Lee, Li-Yuan, M.D.

- Endothelial-to-Osteoblast Conversion in Prostate Cancer Bone Metastasis; NIH (R01)
- Polo-like Kinase 1 as a Novel Molecular Target for the Treatment of Asthma; Biology of Inflammation Center Pilot Grant
- Regulation of Dormancy of Metastatic Prostate Cancer Cells by Bone Microenvironment; CPRIT
- A Novel Therapy Targeting Prostate Cancer-Induced Aberrant Bone Formation; CPRIT

HONORS AND AWARDS

Agarwal, Sandeep, M.D.

- Cullen Trust for Healthcare Endowed Chair in Immunology

Corry, David, M.D.

- Clarence and Irene H. Fulbright Chair in Pathology

Rodriguez, Antony, Ph.D.

- Gillson Longenbaugh Foundation Award

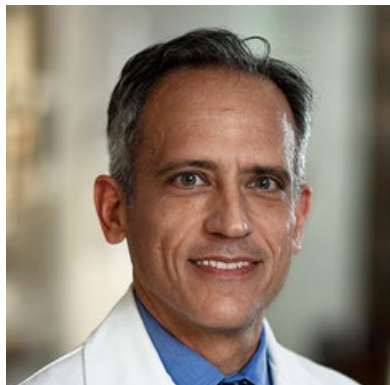
Vogel, Tiphannie, M.D., Ph.D.

- Kelly Award for Juvenile Arthritis Research Arthritis National Research Foundation Scholar

Sur, Sanjiv, M.D.

- Provisional Patent. “Methods and Compositions Related to Recombinant Neil2.” Equal Inventors Sanjiv Sur, Tapas Hazra and Ashok Chopra for use of Neil2 in many types of inflammation.
- Provisional Patent. “BRD4 Inhibitor Treatment of IgE-Mediated Diseases.” Equal Inventors Sanjiv Sur, Allan Brasier, Jia Zhou, Bing Tian for use of BRD4 Inhibitor in allergic diseases.

SECTION OF INFECTIOUS DISEASES



SECTION CHIEF

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

The Section of Infectious Diseases in the Department of Medicine provides outstanding state-of-the-art clinical care and creates and applies knowledge through research, scientific discovery, and medical education and training locally and globally; all done with innovation and compassion to advance health and wellness. Dr. Thomas Giordano is the Chief of the Section. Ms. Regina Davis is the Section Administrator. The Section is the primary academic unit serving the clinical adult infectious diseases research community within Baylor College of Medicine. As such, the Section is a critical force in achieving both the strategic and mission objectives of the College.

The Section's faculty serve vital administrative and service roles in the College, including serving on the Curriculum Committee, the Faculty Senate, Institutional Review Boards, the Biosafety Committee, the Environmental Safety Committee, the Medical Education Committee, the Dean's Residency Manpower Committee, the College's Rising Star and Master Clinician Awards Steering Committee, the Institutional Dual Use of Research Concern Committee, the Faculty Development Forum, and as Faculty Inclusion Ambassadors.

Thank you to the faculty, administrators and staff for another outstanding year for the Section of Infectious Diseases.

Sincerely,

A handwritten signature in black ink, appearing to be 'T. Giordano', written over a horizontal line.

Thomas P. Giordano, M.D., M.P.H.
Professor of Medicine
Chief, Section of Infectious Diseases

HIGHLIGHTS

The Section had a very successful year. Major accomplishments for the year include welcoming Drs. Kulkarni and Trevino as new faculty members and adding five new co-primary faculty members into the Section. We also recruited three faculty for the next academic year. Despite being short of faculty in all clinical pavilions, the Section maintained excellent clinical productivity. Our research funding success continues: Dr. Bich Dang received her first independent research funding; Dr. Elizabeth Chiao continued her R01 funding with a new award; and Dr. Thomas Giordano is co-PI for a VA merit submission that is in "just-in-time" status. Highlights in education include Dr. Stacey Rose becoming a leader in undergraduate medical education, as Assistant Dean of Clinical Curriculum for the School of Medicine. The Section exceeded its contribution targets to the College.

FACULTY

Section Chief

- Thomas Giordano, M.D.

Primary Faculty

- Ume Abbas, M.D.
- Mayar Al Mohajer, M.D.
- Monisha Arya, M.D.
- Robert Atmar, M.D.
- Major Bradshaw, M.D.
- Katharine Breaux, M.D.
- Galant Chan, M.D.
- Elizabeth Chiao, M.D.
- Andrew Chou, M.D.
- Bich Dang, M.D.
- Charlene Flash, M.D.
- Richard Hamill, M.D.
- Penny Jaffe, M.D.
- Oyebunmi Kutemi, M.D.
- Daniel Mendoza, M.D.
- Cezarina Mindru, M.D.
- Daniel Musher, M.D.
- George Parkerson, M.D.

- Shital Patel, M.D.
- Maria Rodriguez-Barradas, M.D.
- Stacey Rose, M.D.
- Jose Serpa-Alvarez, M.D.
- Shahriar Tavakoli Tabasi, M.D.
- Laila Woc-Colburn, M.D.
- Edward Young, M.D.

Co-Primary Faculty

- Hana El Sahly, M.D.
- Mary Estes, Ph.D.
- Wendy Keitel, M.D.
- Andrew Rice, Ph.D.
- Jennifer Whitaker, M.D.

Secondary Faculty

- Rabih Darouiche, M.D.
- Andrew DiNardo, M.D.
- Hana El Sahly, M.D.
- Wendy Keitel, M.D.
- Rojelio Mejia, M.D.
- Jill Weatherhead, M.D.

RESEARCH ACTIVITIES

The Section is research focused, with support from NIH, CDC, HRSA, industry, and other sources and over 250 non-duplicated publications since January 2015. Funded grants during the 2018-2019 academic year are listed below.

Chiao, Elizabeth, M.D.

- Texas NeuroAids Research Center; NIH
- The Effectiveness of Screening HIV-infected Women for Anal Cancer Precursors; NCI
- Identifying Novel Pharmacological Risk Factors for Common Non-AIDS Defining Cancers in Individuals with Well-Controlled HIV Infection; NCI
- Annual Anal Sampling Using DNA Screening to Identify Men who Have Sex with Men at Increased Risk for Anal Cancer; NIH

- Determining the Accuracy of Self and Partner Anal Exams for Detecting Anal Abnormalities; NIH
- Optimizing Age-Based Anal Cancer Screening Among People Living with HIV Using Decision Analytic Modeling; NIH
- The Effectiveness of High Resolution Microendoscopy (HRME) in High Grade Intraepithelial Lesions (HISIL) Diagnosis for People Living with HIV; NIH
- Clinical Site Agreement to Conduct AIDS Malignancy Consortium (AMC) Clinical Trials; NCI

Dang, Bich, M.D.

- Patient Satisfaction, Retention in HIV Care, and Adherence to Art; NIMH
- Refinement and Pilot Testing of a Highly Innovative Provider Coaching and Feedback Intervention to Improve the Patient HIV Care Experience; NIH

Giordano, Thomas, M.D.

- Brief Personalized Feedback Intervention for Hazardous Drinking in an HIV Clinic; NIH
- Next-Gen Oral Test for Monitoring HIV/AIDS in Point-of-Care; NIH
- Effectiveness of an Integrated Treatment to Address Smoking Cessation and Anxiety/Depression in People Living with HIV; NIH

Mejia, Rojelio, M.D.

- Controlled Infection Trial to Test Efficacy of Hookworm Vaccine with Different TLR Agonists. Using qPCR to Identify Those Infected with Hookworm Pre and Post Vaccination; NIH/NIAD
- Engineering Research Center on Biological and Chemical Hazards of Flooding and Hurricanes; Thrasher Research Fund
- Impact of Nitazoxanide on Cryptosporidium Burden in HIV-Infected Patients; Romark Laboratories, LC
- Engineering Research Center for Hurricane Urban Planning Hazards Research; National Science Foundation
- Health Outcomes Evaluation of Children with Gastrointestinal Parasitic and Chagas Disease Co-Infection & Clinical Characterization of Acute Chagas Disease; Thrasher Research Fund
- Prevalence and Post-Treatment Efficacy for Strongyloidiasis in Solid Organ Transplant Patients; Roderick Duncan MacDonald Research Fund

Patel, Shital, M.D.

- South Central AIDS Education and Training Center Region 6 – SCAETC Program; Health Resources and Services Administration
- Flu Pandemic 2 Haiven Pilot Study; Centers for Disease Control

Rodriguez-Barradas, Maria, M.D.

- Alcohol and Multisubstance Use in the Veterans Aging Cohort Study: 2/6 COMPAAAS U01: Observation Study; National Institute on Alcohol Abuse and Alcoholism
- Active Surveillance to Quantify the Burden of Viral Gastroenteritis in the U.S. Veterans Affairs Patient Population; Centers for Disease Control
- Randomized Trial to Prevent Vascular Events in HIV – Reprive (A5322); KOWA Pharmaceuticals America, INC.

Serpa-Alvarez, Jose, M.D.

- 2018 IDSA Annual Meeting – ID Fellowship Travel Grant; JANSSEN Scientific Affairs, LLC

Tavakoli-Tabasi, Shahriar, M.D.

- Development of a Shared Decision Making Aid for Hepatitis C Treatment; Health Services Research & Development

HONORS AND AWARDS

Robert Atmar, M.D.

- Best Doctors in America, 2001-02, 2003-04, 2005-06, 2007-08, 2009-2010, 2011-2012, 2013-2014, 2015-2016, 2017-2018, 2019-2020

Mayar Al Mohajer, M.D., MBA

- Faculty of the Year award from the graduating fellows, Section of Infectious Diseases

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

- M.D. Anderson Foundation Chair, Baylor College of Medicine, May 2019 to present.

Katherine Breaux, M.D., M.S.

- Selected by American Academy of Physician Assistants as an occupation expert for the United States Department of Labor's National Occupational Information Network(O*NET) Data Collection Program

Mary Estes, Ph.D.

- Elected Member, Board of Governors, American Academy of Microbiology (2019-2021)
- Invited Member, Advisory Committee, T32 in Infectious Diseases. Mayo Clinic (2019-present)
- Invited Member, External Advisory Committee, Mayo Clinic Digestives Center (2019-present)
- Advisor on Research Grants, National Crohns and Colitis Foundation, (2019-present)
- 2020 American Society for Microbiology Lifetime Achievement Award
- Named Lecture (the Mary Estes Keynote Lectore) established at the 2019 International Symporium on Caliciviruses held in Sydney, Australia

Rojelio Mejia, M.D.

- July 2018 Baylor College of Medicine Center of Excellence in Health Equity, Training and Research Junior Faculty Award
- June 2019 Visiting Professor of Tropical Diseases, Universidad Internacional De Ecuador, Quito, Ecuador

Kenneth Muldew, M.D.

- 2019: Ben Taub Hospital Physician Champion ServiceFIRST Hero, 2nd Quarter, 2019, Harris Health System, Houston, Texas
- 2018: Outstanding Clinical Faculty Award, School of Health Professions, University of Texas MD Anderson Cancer Center, Houston, Texas
- Certified Next-Generation Sequencing Inspector, College of American Pathologists, 2015-present
- Certified Molecular Diagnostics Inspector, College of American Pathologists, 2015-present

Shital Patel, M.D.

- Senior Fellow, a graduate of the American Leadership Forum’s Class XLVI-Healthcare (May 2019)

Stacey Rubin Rose, M.D.

- Texas Super Doctors Rising Stars 2018 (July 2018)
- *Houstonia Magazine* Top Doctors 2018 (August 2018)
- Sunshine Grant Awardee (Oct. 2018) for wellness activity: “From Complaints to Commitments”
- “That’s the Way” award (May 2019)

Jose Serpa-Alvarez, M.D., M.S.

- Norton Rose Fulbright Faculty Excellent Award in Development of Enduring Educational Materials (November 2018)
- Elected as Fellow of the Infectious Diseases Society of America
- Accepted in the Master Teacher Fellowship Program, Baylor College of Medicine

Laila Woc-Colburn, M.D.

- Infectious Diseases Fellows Faculty of the Year 2018-19
- *Houstonia Magazine* Top Doctors 2019, 2018, 2017, 2016, 2015, 2014, 2013
- Infectious Diseases Society of America Leadership Institute Inaugural class 2019
- AAIM Executive Leadership Course-2018

PRESS

Monisha Arya, M.D., M.P.H.

- Featured in the BCM Newslink publication about mentoring BCM and Rice University undergraduate students. “Arya mentors successful student research team.” April 27, 2018
- Featured in the BCM Family News publication about effective mentoring. “Mentorship important for effective learning.” Aug. 1, 2019

Thomas Giordano, M.D.

- Interviewed by Heather Boerner for Medscape HIV/AIDS story, “Monthly shots for HIV within reach,” published March 19, 2019

Jennifer Whitaker, M.D.

- *Vaccinations*. Poland GA, **Whitaker JA**, editors. St. Louis, Missouri: Elsevier; 2019.

SECTION OF NEPHROLOGY



SECTION CHIEF

Wolfgang Winkelmayr, M.D.
Sc.D.

The academic year 2018-2019 was an exciting one for the Section of Nephrology. Our world-class faculty made outstanding contributions in research and scholarship, education, and clinical care. They participated in numerous national and international activities and organizations. And our faculty grew and at the end of the academic year included 28 full-time and part-time faculty.

This report lists some of the more tangible products delivered and awards and recognitions received during the 12-month period ending in June 2019. In addition, we continued to provide top-quality specialized kidney health care to our patients at our clinical sites within the Texas Medical Center and beyond. Our faculty group practice continued to excel in patient satisfaction and productivity.

Please enjoy and thank you for your interest.

A handwritten signature in black ink that reads "Wolfgang Winkelmayr". The signature is written in a cursive, flowing style.

Wolfgang C. Winkelmayr, MD, MPH, ScD
Chief, Section of Nephrology
Gordon A. Cain Chair in Nephrology

HIGHLIGHTS

- Several book chapters (Navaneethan, Adroque, Mitch, Eknayan)
- More than 10 grant-funded research programs, including 5 R01 grants (Cheng, Mitch, Navaneethan, Winkelmayr), 1 P01 grant (Klotman), and 1 VA Merit Review grant (Sheikh-Hamad); in addition, 3 of our faculty were funded by career development awards (Thomas and Pan, VA Career Development Award; Erickson, NIH K23)
- 19 awards

FACULTY

Section Chief

- Wolfgang C. Winkelmayr, M.D., Sc.D.

Faculty

- Horacio J. Adrogué, M.D.
- Medha Airy, M.D.
- Samaya J. Anumudu, M.D.
- Jizhong Cheng, M.D.
- George Dolson, M.D.
- Garabed Eknoyan, M.D.
- Kevin F. Erickson, M.D.
- Zhaoyong Hu, M.D.
- Deborah P. Hyink, Ph.D.
- Paul E. Klotman, M.D.
- Qingtian Li, M.D.
- Sreedhar Mandayam, M.B., B.S.
- William E. Mitch, M.D.
- Sankar D. Navaneethan, M.D.
- Jingbo Niu, M.D.
- Jenny Szu-Chin P, M.D.
- Jose Perez, M.D.
- Rajeev Raghavan, M.D.
- Venkat Ramanathan, M.D.
- Sai K. Saridey, M.D.
- Maulin K. Shah, M.D.
- David Sheikh-Hamad, M.D.

- Sandhya S. Thomas, M.D.
- Chandan Vangala, M.D.
- Carl P. Walther, M.D.
- Jingyin Yan, M.D.
- Liping Zhang, M.D.

Adjunct Faculty

- Abdul Abdellatif, M.D.
- Farhad Danesh, M.D.
- Stuart Dryer, M.D.
- Stephen Fadem, M.D.
- Jennifer L. Finch, M.D.
- Debbie Geevarghese, M.D.
- Billy R. Gilbert, M.D.
- Charles S. Henry, M.D.
- Luping Huang, M.D.
- Vijay K. Koka, M.D.
- Justin D. Merszei, M.D.
- Juan Olivero, M.D.
- Aashish Pandya, M.D.
- Sarah A. Shearer, M.D.
- Wadi Suki, M.D.
- Katherine Timmins-Vollmers, M.D.
- Edward Weinman, M.D.
- June Yao, M.D.

PUBLICATIONS

Books and Book Chapters

Sivan S, **Navaneethan SD**. Acute kidney injury after bariatric surgery. Oxford Press. Doi:10.1093/med/978010608347.001.0001. July 2018

Adrogué HJ, Madias NE. Respiratory acidosis, respiratory alkalosis, and mixed disorders. In Feehally J, Floege J, Tonelli M, Johnson RJ. *Comprehensive Clinical Nephrology*. Elsevier, 2019, p. 170-183.

Handbook of Nutrition and the Kidney 7th Edition, T. Alp Ikizler and **W. E. Mitch**, Editors, Wolters Kluwer, Philadelphia, 2018.

Perez, J.J. and **Mitch, W.E.**, Requirements for protein, calories and fat in the predialysis patient. In *Handbook of Nutrition and the Kidney* 7th Edition, T. Alp Ikizler and **W. E. Mitch**, Editors, Wolters Kluwer, Philadelphia, 2018, pp77-90.

Eknoyan G. A historical overview of diabetic nephropathy, in *Diabetic Nephropathy* edited by Joris Roelofs and Liffer Vogt. Springer, New York; 2019:3-20

Shah, M.T. and **Mitch, W.E.** Nutritional therapy improves the clinical course of CKD, *Chronic Kidney Disease*, Second Edition, Edited by Kimmel, P.L. and Rosenberg, M. Elsevier-Academic Press, Philadelphia, 2019

RESEARCH ACTIVITIES

Cheng, Jizhong, M.D.

- Chronic Kidney Disease Adversely Influences Vascular Functions; NIH/NIDDK (R01)

Erickson, Kevin, M.D.

- The Effect of Provider Market Competition on Patient Health Outcomes in Dialysis; NIDDK (K23)
- Dialysis Facility Closures and Their Effect on Cost, Health Outcomes, and Access to Care; American Society of Nephrology Foundation for Kidney Research
- Nephrology Care and Employment after Starting Dialysis; National Kidney Foundation

Hu, Zhaoyong, M.D.

- Protein Energy Wasting in Chronic Kidney Disease, NIH/NIAMS (R01)

Klotman, Paul, M.D.

- Long-Term Consequences of HIV in the Kidney; NIH/NIDDK (P01)

Mitch, William, M.D.

- Protein Metabolism in Experimental Uremia; NIH (R01)

Navaneethan, Sankar, M.D.

- Visceral Adiposity and Physical Function in CKD; NIH/NIDDK (R01)
- Prevalence, Management, and Outcomes of Iron Deficiency Anemia in CKD; Keryx Biopharmaceuticals

Pan, Jenny, M.D.

- Stanniocalcin-1, Kidney Protection by AMPK; VA/CDA

Sheikh-Hamad, David, M.D.

- Megalin, Mitochondrial Intracrine Signaling and the Kidney; VA/Merit

Thomas, Sandhya, M.D.

- Chronic Kidney Disease and Impaired Actions of Insulin; VA/CDA

Winkelmayer, Wolfgang, M.D.

- The Atrial Fibrillation – Factor Identification to Risk Modification Study in HD (AFFIRM-HD); NIH/NIDDK (R01)
- Pragmatic Trials in Hemodialysis; NIH/NIDDK (UH3; Sub-PI; PI: L. Dember)
- United States Renal Data System Coordinating Center (NIH/HHS Contract; Sub-PI; PI: K. Johansen)

HONORS AND AWARDS

Adroque, Horacio, M.D.

- Master Clinician Award for Excellence in Patient Care, Baylor College of Medicine, May 2019

Erickson, Kevin, M.D.

- Distinguished Educator Award. Section of Nephrology, Baylor College of Medicine, May 2019

Navaneethan, Sankar, M.D.

- Norton Rose Fulbright Faculty Excellence Award for Enduring Educational Materials, Baylor College of Medicine, June 2019

Perez, Jose, M.D.

- Houstonia Magazine 2019 Top Doctor, *Houstonia Magazine*, 2019
- Early Career Faculty Award for Excellence in Patient Care, Baylor College of Medicine

Raghavan, Rajeev, M.D.

- Star Award for Excellence in Patient Care, February 2019
- Alpha Omega Alpha 2019 Graduating Medical Student Class Inductee

Ramanathan, Venkat, M.D.

- Master Clinician Award for Excellence in Patient Care, Baylor College of Medicine, May 2019

Shah, Maulin, M.D.

- Unsung Hero. Fellowship Award, Section of Nephrology, Baylor College of Medicine, June 2019

Sheikh-Hamad, David, M.D.

- Faculty of the Year. Fellowship Award, Baylor College of Medicine, May 2019

Thomas, Sandhya, M.D.

- Women of Excellence Award, Baylor College of Medicine, 2019
- Best Research Poster Award, ACC, 2018

Walther, Carl, M.D.

- Distinguished Educator Award. Section of Nephrology, Baylor College of Medicine, May 2019

Winkelmayer, Wolfgang, M.D.

- Elected Member, American Clinical and Climatological Association

Yan, Jingyin, M.D.

- Physician Top Performer, FY19 Quarter 3
- Physician Top Performer, FY19 Quarter 2
- Distinguished Leadership Award, Section of Nephrology, Baylor College of Medicine, May 2019
- Early Career Faculty Award for Excellence in Patient Care, Baylor College of Medicine, December 2018

Zhang, Liping, M.D.

- Women of Excellence Award, Baylor College of Medicine, National Women's History Month 2019

SECTION OF PULMONARY, CRITICAL CARE AND SLEEP MEDICINE



INTERIM SECTION CHIEF

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

FACULTY

Section Chief

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

Faculty

- Ritwick Agrawal, M.D.
- Philip M. Alapat, M.D.
- Mustafa A. Atik, M.D.
- Uma Ayyala, M.D.
- Venkata D. P. Bandi, M.D.
- Jairo H. Barrantes Perez, M.D.
- Tara L. Barto, M.D.
- Aladin M. Boriek, M.D.
- Andrea B. Braun, M.D.
- Stephen Bujarski, M.D.
- Sunjay Devarajan, M.D.
- Resmi B. George, M.S.N., F.N.P-C
- Kalpalatha K. Guntupalli, M.D.
- Elizabeth Guy, M.D.
- Nicola A. Hanania, M.D.
- Edward Hatrick, M.S.N, NP-C.
- James P. Herlihy, M.D.
- Christopher Howard, M.D.
- Ali Z. Jiwani, M.D.
- Christina C. Kao, M.D.
- Farrah Kheradmand, M.D.
- Minkyung Kwon, M.D.
- Charlie K. Wei Lan, D.O.
- Donald Lazarus, M.D.
- Gloria W. Li, M.D.
- Prasad Manian, M.D.
- Babith J. Mankidy M.D.
- Dipaben D. Modi, M.D.
- Shahram Moghtader, M.D.
- Thomas Monaco, M.D.
- Christopher K. Morgan, M.D.
- David M. Guigai, M.D.
- Dharani K. Narendra, M.D.
- Sara Nowakowski, M.D.
- Ali Omranian, M.D.
- Lavannya M. Pandit, M.D.
- Purvesh R. Patel, M.D.

- Pralay K. Sarkar, M.D.
- Fidaa Shaib, M.D.
- Amir Sharafkhaneh, M.D.
- Muhammad A. Siddique, M.D.
- Supriya Singh, M.D.
- Sergio Trevino Castillo, M.D.
- Kanta Velamuri, M.D.
- Annise G. Wilson, M.D.

RESEARCH ACTIVITIES

Aladin Boriek, M.D.

- Yr 8 – RPPR (MPI): Short Term Training to Increase Diversity; NIH/NHLNI; \$76,486
- Exploratory Role of the Cytoskeleton in Anisotropic Regulation of Micrnas in skeletal Muscles; National Science Foundation; \$16,000

Tony Eissa, M.D.

- Yr 2: Lyosomal Origin for Emphysema; Alpha One Foundation; \$100,000
- Regulation of Inflammation Activity by P38 Mapk; American Heart Association Inc; \$100,000
- Yr 23: Research Training in Lung Disease; NIH/NHLBI; \$453,773

Nicola Hanania, M.D.

- Airways Clinical Research Centers (ACRC); American Lung Association; \$100,000

Farrah Kheradmand, M.D.

- The Role of Nano-Particulated Carbon Black in Lung Cancer Development; Centers for Disease Control; \$10,000
- Yr 3: PR140593P1: Enhancement of Immune Memory Responses to Respiratory Infection; Department of Defense Congressionally Directed Medical Research Programs; \$363,586
- Assist 203344: Toxic Effects of Ecigs Following Transition from Conventional Cigarettes; National Institute of Environmental Health Sciences; NIH; \$473,721
- Innate and Acquired Immune Responses in Human COPD; Department of Veterans Affairs CSR&D Merit Review Award; \$165,000

Amit Parulekar, M.D.

- 2nd NCE: The Impact of Fungal Sensitization and Airway Fungal Microbiome on Asthma Severity; American Lung Association

Rolando Rumbaut, M.D.

- Collaborative Research Training in Thrombosis and Inflammation (National Heart, Lung, and Blood Institute; NIH/NHLBI; \$317,294
- Yr 9 (MPI): Ocular Surface Injury: Inflammatory Cascade and Healing of Corneal Wounds; National Eye Institute; NIH/NEI; \$360,423
- Platelets and Microvascular Thrombosis in Inflammation; Department of Veterans Affairs BLR&D Merit review award; \$165,000
- Sheep Request for High-Resolution Flow Cytometry System; Department of Veterans Affairs Shared Equipment Program; \$273,803

HONORS AND AWARDS

Ayyala, Uma, M.D.

- Graduating Class Outstanding Faculty Award

Bujarski, Stephen, M.D.

- Early Career Faculty Award for Excellence in Patient Care

Dronavalli, Goutham, M.D.

- Norton Rose Fulbright Faculty Excellence Award
- Star Faculty Award for Excellence in Patient Care

Manian, Prasad, M.D.

- 2018 Texas Super Doctors

Mankidy, Babith, M.D.

- Alfred Soffer Research Award recipient from Annual American College of Chest Physicians

Parulekar, Amit, M.D.

- Star Faculty Award for Excellence in Patient Care

SECTION OF TRANSITION MEDICINE



SECTION CHIEF
Cynthia Peacock, M.D.

The Section of Transition Medicine had a very successful academic year. Beginning the academic year strong, in July 2018 Dr. John Berens joined the faculty after graduating from a Medicine-Pediatrics Residency Program in Philadelphia.

This annual report outlines some of the achievements and recognition received during 2019.

Sincerely,

A handwritten signature in black ink that reads "Cynthia Peacock, M.D.".

Cynthia Peacock, M.D.
Section Chief

HIGHLIGHTS

Under Dr. Berens' guidance, Transition Medicine partnered with the University of Texas School of Dentistry at Houston to create an interdisciplinary dental desensitization clinic for patients with intellectual and developmental disabilities.

Transition Medicine faculty secured \$329,000 in grant funding for fiscal year 2019-2020 as well as \$1.47 million in 2019 in funding for the next five years.

Our dedicated faculty address the needs of former pediatric patients who will still require treatment once they become adults by delivering unmatched patient care and training medical students, residents and educating fellow physicians, caregivers, and the community. Our faculty provide support for young adults transitioning out of pediatric care through continuous research. This year's quality improvement project targeted chronic care management with Medicare billing.

In 2018-2019, the Transition Medicine team received Baylor College of Medicine's "That's the Way" award for all four quarters. This award gives recognition to our faculty and staff for leading the way in quality, patient safety, and patient experience. The Transition Medicine team continued participating in Houston's Special Olympics annually where the physicians provide participants with sports physicals and dentists from University of Texas School of Dentistry at Houston provide dental exams.

In March 2019, Transition Medicine Grand Rounds highlighting Transition Medicine healthcare commenced at the McNair Campus, presented quarterly, with the second taking place in July. Dr. Cynthia Peacock's HRSA Grant, focusing on transitioning youth with special healthcare needs into the adult healthcare system, was featured in Texas Children's press for making progress with expanding the program. Due to a family's appreciation of excellent care for their son, we are in our fifth year of awarding the Transition Medicine Ligum's grant. Thus far, we have awarded the grant to more than one dozen applicants.

FACULTY

- Elisha M. Acosta, M.D.
- John C. Berens, M.D.
- Ellen J. Fremion, M.D.
- Kathryn J. Kemere, M.D.
- Judy L. Kim, M.D.
- Cynthia Peacock, M.D.

RESEARCH ACTIVITIES

Acosta, Elisha, M.D.

- National Curriculum in Developmental Medicine; SOI/AADMD

Berens, John, M.D.

- Interdisciplinary Dental Care Delivery for Adults with Intellectual/Developmental Disabilities, Working for Inclusive and Transformative Healthcare

Fremion, Ellen, M.D.

- Transition to Adult Care Mentorship Program for Individuals with Developmental Disabilities; Texas Council for Developmental Disabilities
- Department of Internal Medicine, Quality Improvement Grant; Baylor College of Medicine

Peacock, Cynthia, M.D.

- Transition Health Care for Children and Youth with Special Care Needs; Healthy Tomorrows Partnership for Children Program from Maternal and Child Health Bureau at HRSA
- Advancing Behavioral Health Integration within a NCAQ-Recognized Patient-Centered Medical Home for People with IDD; Texas Council of Developmental Disabilities

HONORS AND AWARDS

Acosta, Elisha, M.D.:

- Ambulatory Outstanding Faculty Teacher chosen by Clinical Core Clerkship, Baylor College of Medicine, June 2019

Fremion, Ellen, M.D.:

- Star Award for Excellence in Patient Care 2019, Baylor College of Medicine
- “Top Doctor” listing in *Houstonia Magazine*, August 2019

Transition Medicine Team

- “That’s the Way” Baylor Clinic Team Award in recognition for leading the way in quality, patient safety, and patient experience. 1st, 2nd, and 4th quarters 2017-2018, 1st, 2nd, 3rd, 4th quarters 2018-2019

PRESS

Transition Medicine Team: Special Olympics athletes find competition and health care at qualifying games; TMC News

Transition Medicine Team: Help for people with disabilities to make decisions about their own health care; SDM Medical Care