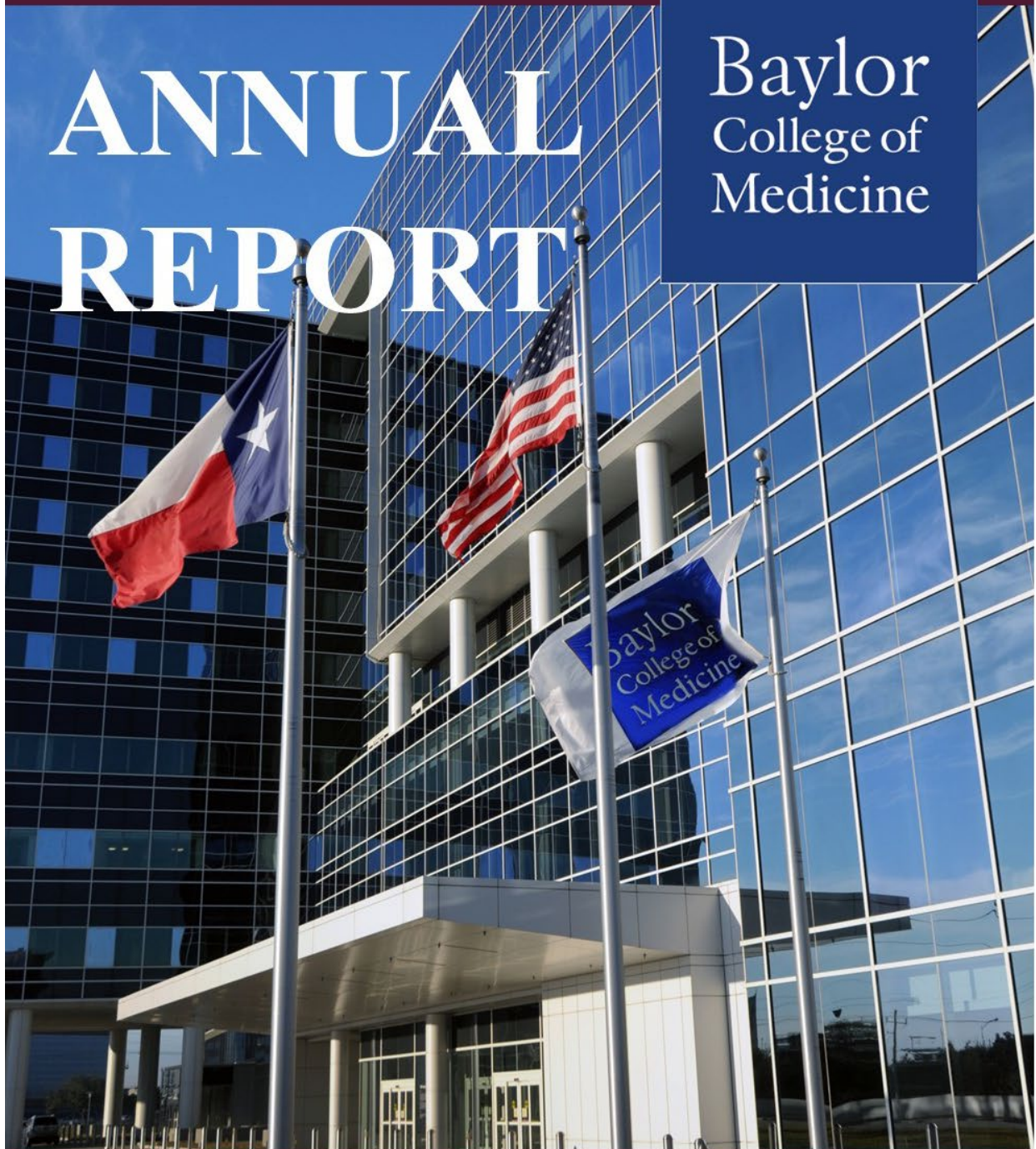


2020

**ANNUAL
REPORT**

Baylor
College of
Medicine



**DEPARTMENT
OF MEDICINE**

The Margaret M. and Albert B. Alkek
DEPARTMENT OF MEDICINE
Annual Report 2020

BAYLOR COLLEGE OF MEDICINE

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COMMENTS FROM THE CHAIRMAN



CHAIR

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

Dear Colleagues:

I am pleased to share the 2020 Annual Report of the Department of Medicine at Baylor College of Medicine. I hope you can see a glimpse of the achievements and progress our faculty, trainees, staff and administration have made.

Many of our faculty attained international standing in their fields, and many others are approaching careers of pre-eminence as clinicians, investigators and educators. We also have an extraordinary group of internal medicine residents who can feed into our outstanding subspecialty fellowship programs. Guided by an ambitious strategic plan (<https://www.bcm.edu/departments/medicine/strategic-plan>), our department has contributed considerably toward advancing the mission of Baylor College of Medicine and its affiliated teaching hospitals.

I am very proud to be part of this progress and look forward to working with you to further advance our scientific discoveries and research, clinical care programs, and medical education and training and to nurture and develop our people.

Sincerely,

A handwritten signature in blue ink that reads "Hashem B. El-Serag". The signature is fluid and cursive.

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

Vice Chair for Education

Vice Chair for Faculty and Staff Development

Vice Chair for Harris Health System/Ben Taub Hospital

Vice Chair for Quality Improvement and Innovation

Vice Chair for Research

Vice Chair for Veterans Affairs

Mandeep Bajaj, M.B.B.S.

Richard J. Hamill, M.D.

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

Stephen Greenberg, M.D., MACP

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

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

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

SECTIONS

Cardiology

Cardiovascular Research

Endocrinology, Diabetes and Metabolism

Epidemiology and Population Sciences

Gastroenterology and Hepatology

General Internal Medicine

Geriatrics and Palliative Medicine

Health Services Research

Hematology and Oncology

Immunology, Allergy and Rheumatology

Infectious Diseases

Nephrology

Pulmonary, Critical Care and Sleep Medicine

Transition Medicine

Chief of Section

Christie Ballantyne, M.D.

Christie Ballantyne, M.D.

Marco Marcelli, M.D. (Interim)

Christopher Amos, Ph.D. (Interim)

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

David Hyman, M.D.

Aanand Naik, M.D.

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

Martha Mims, M.D.

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

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

Wolfgang Winkelmayr, M.D., Sc.D

Ivan Rosas, M.D.

Cynthia Peacock, M.D.

THE DEPARTMENT OF MEDICINE

The Department of Medicine at Baylor College of Medicine is the professional home of 421 full- and part-time paid faculty, 367 trainees, and 417 staff distributed across 14 Sections. We have campus sites at Baylor St Luke's Medical Center and the McNair Campus, Michael E DeBakey VA Medical Center, Harris Health System, Texas Children's Hospital, and the Pavilion for Women. We also have close associations with numerous centers, programs and organized research units. We celebrate our achievements in research, patient care and medical education and training.

RESEARCH

In FY20, the research efforts of department faculty were supported by \$79.5M in total extramural research funding (455 funding awards total), including:

- \$47.8M from the NIH, \$5M from the Veteran's Administration
- \$9.5M from other federal agencies
- \$2.9M from industry support of clinical trials
- \$14.2M from state and non-federal sources

These awards include NIH Center awards in oncology and gastroenterology and a VA Center of Excellence Award. Five Sections have NIH T32 grants to support research training in the fields of gastroenterology, health services research, immunology, infectious diseases and pulmonary medicine.

CLINICAL CARE

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

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

Our researchers from our 14 Sections and three research centers are developing treatments for cancer, AIDS, digestive diseases and the diseases of aging. 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 medical school, graduate medical training, fellowships and internships. 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. Our faculty teach two-thirds of the UME courses. Our students first attend foundational sciences curriculum courses and then clinical curriculum courses. Students choose one sub-internship, seven core clerkships and five or six clinical electives.

Students with the Internal Medicine sub-internship develop skills required for internship. With these rotations, medical students experience increased autonomy, acting as interns 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.

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

Beyond residency training, the Department of Medicine offers fellowships of 2 to 4 years of training in each of the major subspecialties. These years give physicians 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 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 and trainees can access numerous patients during these clerkships in various settings through our affiliation with eight leading healthcare institutions—all located in close proximity 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 245 publications and 99 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 (BSLMC) was ranked #17 in the nation for Cardiology and Cardiovascular Surgery, with one of the largest left ventricular (LV) assist device programs in the nation, and recently received the ACC Heart Care Center National Distinction of Excellence Award. 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 ST-elevation myocardial infarction (STEMI), NSTEMI, and heart failure. Baylor Cardiology at the Michael E. DeBakey Veterans Affairs Medical Center (MEDVAMC) has the highest VA catheterization laboratory (cath lab) volumes in the nation and performs complex percutaneous coronary intervention (PCI), transcatheter aortic valve replacement (TAVR), and

electrophysiology with leading state-of-the-art technology.

Our outstanding faculty continues to provide both a high quality and a high volume of care to our patients and, collectively, our faculty performed >50,000 outpatient visits, 32,801 echocardiograms, 2,864 nuclear studies, 4,567 cath lab procedures, 1,962 electrophysiology procedures, and >100,000 EKGs. Section faculty and fellows have key roles in the Heart Failure Society of America (HFSA), American Society of Echocardiography (ASE), ACC, AHA, American Society for Preventive Cardiology (ASPC), and National Lipid Association (NLA). Biykem Bozkurt is President of the HFSA, and Ray Stainback is President-Elect for the ASE.

This annual report outlines some of the achievements and recognitions received in the 2020 academic year.

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, Genetics, and Physiology
Chief, Sections of Cardiovascular Research and Cardiology
Director, Center for Cardiometabolic Disease Prevention
Department of Medicine
Baylor College of Medicine

HIGHLIGHTS

- BSLMC/Texas Heart Institute (THI) ranked 17th in the nation for cardiology and cardiovascular surgery in U.S. News and World Report and received the ACC Heart Care Center National Distinction of Excellence Award along with the U.S. News and World High Performance 5/5 for TAVR and Heart Failure
- Ben Taub Hospital received quality awards from AHA: Gold for NSTEMI, Gold Plus for STEMI, and Gold Plus Honor Role for Heart Failure, and National Cardiovascular Data Registry (NCDR) Platinum Performance Chest Pain Center
- MEDVAMC is one of the leading VA Centers in pioneering cutting-edge/new technologies (e.g., first phrenic nerve pacemaker stimulation to treat central sleep apnea, CardioMems pressure monitoring, orbital atherectomy, leadless pacemaker and many others)
- Faculty and fellows with numerous national leadership positions, including President of the HFSA (Biykem Bozkurt) and President Elect of the ASE (Raymond Stainback)
- Outstanding academic productivity of faculty, with 245 total publications, including 232 journal articles and 37 grants with faculty and fellows involvement in a total of 99 abstracts and presentations at AHA and ACC
- Superb academic productivity by our fellows, with 86 publication and numerous national positions with ACC and other organizations

FACULTY

Section Leadership

- Christie Ballantyne, M.D., Chief
- Nasser Lakkis, M.Sc., M.D., Chief, Section of Cardiology, Ben Taub Hospital
- Biykem Bozkurt, M.D., Ph.D., Medical Care Line Executive (Medicine Department Chair), MEDVAMC
- Juan Carlos Plana Gomez, M.D., Chief, Cardiovascular Service Line, BSLMC
- Glenn Levine, M.D., Chief, Cardiology Section, MEDVAMC
- Basant Arya, M.D., Family Group Practice Medical Director and Medical Director, Baylor Heart Clinic
- Andrew Civitello, M.D., Director, Advanced Heart Failure BSLMC

Faculty

Primary

- Hamid Afshar, M.D.
- Mahboob Alam, M.B.B.S.
- Saleema Ali, M.S.N.
- Basant Arya, M.D.
- Christie M. Ballantyne, M.D.
- Yochai Birnbaum, M.D.
- Alvin Blaustein, M.D.
- Biykem Bozkurt, M.D., Ph.D.
- Jennifer Cabrera, N.P.
- Mihail Chelu, M.D., Ph.D.
- Andrew Civitello, M.D.
- Oliva Dinal Delossantos, N.P.
- Ali E. Denktas, M.D.

- Jose Diez, M.D.
- John Alan Farmer, M.D.
- Savitri Fedson, M.D., M.A.
- Irakli Giorgberidze, M.D.
- Florencia Griffin, P.A.
- Gabriel Habib, M.D.
- Ihab Rafic Hamzeh, M.D.
- Hani Jneid, M.D.
- Waleed Kayani, M.D.
- Mirza Umair Khalid, M.D.
- Srikanth Koneru, M.D.
- Nasser M Lakkis, M.Sc., M.D.
- Glenn N. Levine, M.D.
- Jennifer Loveless, N.P.
- Tony S Ma, M.D., Ph.D.
- Ronald Maag, M.D.
- Rita Frances Marr, M.D.
- Virendra S. Mathur, M.D.
- Vanessa N Medrano, M.D.
- Michael Mihalick, M.D.
- Arunima Misra, M.D.
- Joanna Esther Molina Razavi, M.D.
- Tyler B Moran, M.D., Ph.D.
- Ajith P. Nair, M.D.
- Vijay Nambi, M.D., Ph.D.
- Joseph P. Navarijo, M.D.
- Selby B Oberton, M.D.
- David Paniagua, M.D.
- Dhaval Parekh, M.D.
- Juan Carlos Plana Gomez, M.D.
- Allison Michelle Pritchett, M.D.
- Anam Rahim, M.S.N.
- Abdi Rasekh, M.D.
- Mehdi Razavi, M.D.
- Mohammad Saeed, M.D.
- Guilherme Silva, M.D.
- Leo Simpson, M.D.
- Raymond Stainback, M.D.
- Neil E. Strickman, M.D.
- Rashed Tabbaa, M.D.
- Salim S Virani, M.D., Ph.D.
- Lily Zhang, M.D.

Secondary

- Xander Wehrens, M.D., Ph.D.

HONORS AND ACHIEVEMENTS

Hamid Afshar, M.D.

- 2020 Castle Connolly America's Top Doctors

Mahboob Alam, M.D.

- 2020 Houstonia Magazine's Top Cardiologist
- Alpha Omega Alpha Medical Honor Society, Baylor College of Medicine (BCM) chapter

Christie Ballantyne, M.D.

- 2019 U.S. News & World Report List of Best Doctors
- 2019 Clarivate World's Highly Cited Researchers (top 1% Web of Science)
- 2020 Castle Connolly America's Top Doctors
- 2020 TX Top Docs
- 2020 BCM Distinguished Alumnus Award

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

- 2019 Ben and Margaret Love Foundation Bobby Alford Presidential Award for Academic Clinical Professionalism, BCM (highest professionalism award at BCM)
- 2019 Clarivate World's Highly Cited Researchers (top 1% Web of Science)
- Houstonia Top Doctors, 2019
- 2020 BCM Distinguished Faculty Alumni Award

Ali Denktas, M.D.

- Appointed Adjunct Professor, Koc University, Istanbul, Turkey

Savitri Fedson, M.D., M.A.

- Star Faculty Award for Excellence in Patient Care
- Norton Rose Fulbright Faculty Excellence Award Review for Teaching and Evaluation
- Norton Rose Fulbright Faculty Excellence Award Review for Development of Enduring Educational Materials

Ihab Hamzeh, M.D.

- Houstonia Magazine's Top Doctors, 2019

Waleed Kayani, M.D.

- Alpha Omega Alpha Honors Society, BCM chapter
- Interventional Cardiology Fellowship Faculty of the Year, 2019-2020
- BCM Early Career Award for Excellence in Patient Care, 2020

Mirza Umair Khalid, M.D.

- Best Teaching Faculty Award for BCM Cardiology Fellowship 2020

Nasser Lakkis, M.Sc., M.D.

- Platinum Award for compliance with guidelines for cardiac care at Harris Health from AHA 2019
- Gold Plus Award for STEMI care from ACC-NCDR 2019
- Silver Award for Get with the Guidelines Congestive Heart Failure initiative at Ben Taub Hospital from AHA 2019
- Houstonia Magazine's Top Doctors, 2019
- Castle Connolly Top Doctors 2019

Glenn Levine, M.D.

- Appointed Chief of Cardiology Section, MEDVAMC

Arunima Misra, M.D.

- Fellow, ASE
- Selected to Emerging Faculty of ACC
- Best Teaching Faculty Award for BCM Cardiology Fellowship 2019
- Appointed Director of Echocardiography Lab, MEDVAMC

- Appointed Associate Program Director and Chair for Program Evaluation Committee for BCM Cardiology Fellowship

Ajith Nair, M.D.

- Fellow, AHA
- Fellow, HFSA

Vijay Nambi, M.D., Ph.D.

- Inducted into the Best Doctors® Database

Raymond Stainback, M.D.

- Meritorious Service Award as Immediate Past President of Greater Houston Society of Echo-Vascular, 2019
- President-Elect, ASE, 2020

Salim Virani, M.D., Ph.D.

- Inducted into the Best Doctors® Database

Lily Zhang, M.D.

- Promoted to Associate Professor

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

Mahboob Alam, M.D.

- Member, Society for Cardiovascular Angiography & Intervention (SCAI) Membership and Credentialing Committee
- Member, SCAI Ischemic Heart Disease Council
- Member, ACC NCDR PINNACLE Registry/Diabetes Collaborative Registry Research and Publications Subcommittee
- Member, ACC/NCDR Chest Pain/Acute Myocardial Infarction (MI) – Research and Publications Subcommittee
- Member, ACC Federal Section
- Member, ACC Healthcare Innovation Section

Christie M. Ballantyne, M.D.

- Board of Directors, ASPC
- Board of Directors, National Lipid Association
- Co-Chair, Project Review Committee, National Lipid Association

Yochai Birnbaum, M.D.

- Board, International Society of Electrophysiology

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

- President, HFSA, 2019-2020
- Member, HFSA Board of Directors, 2016-present

- American Board of Internal Medicine (ABIM) Advanced Heart Failure and Cardiac Transplant Question Writing Committee Member, 2014-June 2020
- ACC Annual Scientific Session Program Committee, 2019-2020
- Physician Consortium Member for Performance Improvement (PCPI) Foundation Cardiovascular Technical Expert Panel, 2020-2022
- Member, Medicare Evidence Development & Coverage Advisory Committee (MEDCAC) at the Centers for Medicare & Medicaid Services (CMS)
- Chair, ACC Foundation/AHA Task Force on Clinical Data Standards, 2017-December 2019
- Member, ACC Foundation/AHA Task Force on Performance Metrics, 2018-present
- Vice-Chair, AHA/ACC Writing Committee for Practice Guidelines in Heart Failure, 2019-present

Andrew Civitello, M.D.

- Member, Accreditation Council for Graduate Medical Education (ACGME) Advanced Heart Failure and Adult Congenital Heart Disease Milestones Committee
- Member, Common Spirit Health National Mechanical Circulatory Support Clinical Standards Committee
- Member, Common Spirit Health National Cardiogenic Shock Committee
- Member, Common Spirit Health National Educational Advisory Panel

Ali Denktas, M.D.

- Member, ACC Competency Management Committee
- Member, SCAI Education Committee
- Member, SCAI International Committee
- Co-chair, ACC Federal Section Education Workgroup
- Member, ACC Federal Section Leadership Council

Savitri Fedson, M.D., M.A.

- Head, ABIM Advanced Heart Failure/Transplant Exam Committee
- Writing Committee, ACC/AHA/HFSA Guidelines for Management of Heart Failure
- Co-Lead, Section of International Society for Heart and Lung Transplantation (ISHLT) and HFSA Guideline on Acute Mechanical Circulatory Support Task Force
- Member, Heart Rhythm Society Ethics Committee

Ihab Hamzeh, M.D.

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

Mirza Umair Khalid, M.D.

- Chair, ACC Early Career Team Social Media
- Member, ACC NCDR Early Career Committee
- Member, ACC NCDR PINNACLE R&P Committee

Srikanth Koneru, M.D

- Member, Common Spirit Health National Educational Advisory Panel

Nasser Lakkis, M.Sc., M.D.

- Member, ACC Fellowship Award Committee

Glenn Levine, M.D.

- AHA/ACC Professionalism and Ethics
- ACC Clinical Policy Approval Committee (CPAC)
- ACC Science and Quality Committee (SQC)
- Pet Science Advisor, AHA Pet Companion Initiative

Arunima Misra, M.D.

- Member, ACC Academic Council
- Member, HFSA Research Network

Ajith Nair, M.D.

- Member, AHA Council on Clinical Cardiology Heart Failure & Transplantation Committee
- Member, United Network for Organ Sharing (UNOS) Region 4 Review Committee

Juan Carlos Plana Gomez, M.D.

- Co-Director, ASE Innovation Task Force

Vijay Nambi, M.D., Ph.D.

- Vascular Representative, ASE Education Committee
- Education Committee Representative, ASE Steering Committee, Council on Circulation & Vascular Ultrasound

Salim Virani, M.D., Ph.D.

- Chair, ACC Research and Publications Committee, NCDR PINNACLE Registry
- Chair, ACC Leadership Council and Council for the Prevention of Cardiovascular Disease
- Chair, ACC Global Non-Communicable Disease Academy
- Co-Chair, ACC Global Cardiovascular Disease (CVD) Prevention Program
- Member, ACC NCDR Management Board
- Board of Directors, ASPC
- Member, Writing Committee, World Heart Federation/International Diabetes Federation Road Map on the Prevention of Cardiovascular Disease Among People Living With Diabetes
- Chair, AHA Heart Disease and Stroke Statistics Committee

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Mahboob Alam, M.D.

- Member, Editorial Board, *Asian-Pacific Journal of Tropical Medicine*
- Member, Editorial Board, *Cardiovascular Drugs and Therapy (Clinical Trials)*
- Member, Editorial Board, *Clinical Medicine (Cardiology, Case Reports, Therapeutics)*
- Member, Editorial Board, *Indian Journal of Clinical Medicine*
- Member, Editorial Board, *Journal of Pediatric Biochemistry*

Christie M. Ballantyne, M.D.

- Member, Editorial Board, *Circulation*
- Member, Editorial Board, *Clinical and Translational Science*
- Member, Editorial Board, *Current Cardiology Reviews*
- Member, Editorial Board, *Future Lipidology*

Yochai Birnbaum, M.D.

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

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

- Senior Associate Editor, *Circulation*
- Associate Editor, *Circulation Heart Failure*
- Lead Senior Associate Editor for COVID-19 *Circulation* activities
- Section Editor, "Heart Failure," Editorial Board, *Journal of the American College of Cardiology*
- Member, Editorial Advisory Board, *American Family Physician Journal*

Ali Denktas, M.D.

- Member, Editorial Board, *Marmara University Journal*

Savitri Fedson, M.D., M.A.

- Guest editor, issue on "Palliative Care and Ethics," *Current Heart Failure Reports*

Waleed Kayani, M.D.

- Editor in Chief, "Cardiology" section, www.statpearls.com

Mirza Umair Khalid, M.D.

- Moderator & Question-writer, ACC FIT Cardiology Jeopardy Competition

Ajith Nair, M.D.

- Assistant Editor, *Cardiovascular Drugs & Therapy*

Vijay Nambi, M.D., Ph.D.

- Member, Editorial Board, *American Journal of Preventive Cardiology*
- Member, Editorial Board, *Circulation*
- Editorial Consultant, *Journal of the American Society of Echocardiography*

Juan Carlos Plana Gomez, M.D.

- Editorial Consultant, *JACC: CardioOncology*

Salim Virani, M.D., Ph.D.

- Associate Editor, Innovations, ACC.org
- Member, Editorial Board, *American Journal of Preventive Cardiology*
- Member, Editorial Board, *Cardiovascular Drugs and Therapy*
- Section Editor, "Coronary Heart Disease" and "Reviews and New Research Implications," *Current Atherosclerosis Reports*
- Editorial Team Member and Chair for Digital Strategy, "Cardiovascular Prevention" section, acc.org
- Guest Editor, *Circulation*
- Guest Editor, "COVID-19 and Cardiovascular Disease" issue, *Circulation*
- Member, Editorial Board, *Circulation*
- Associate Editor, *Journal of Clinical Lipidology* (Section specialty: Cardiovascular Outcomes and Guidelines)

Lily Zhang, M.D.

- Board Member, Greater Houston Society of Echocardiography-Vascular
- Member, Public Relations Committee, ASE

OTHER SIGNIFICANT ACCOMPLISHMENTS

Hamid Afshar, M.D.

- Heart Failure Management Using the Hard Logic Index (Boston Scientific) Defibrillator-accepted as a presentation in the HFSA Meeting, 2020
- First VA Healthcare nationwide Respicardia implantation for the treatment of central sleep apnea
- Utilization of ultrasound-guided (no X-rays) complex arrhythmia ablation, 2019
- Grand Round presentation: "US-Guided Complex Arrhythmia Ablation," Tehran University (Tehran, Iran), 2019
- Grand Round presentation: "Phrenic Nerve Stimulation in the Treatment of Central Sleep Apnea," Tehran University (Tehran, Iran), 2019
- Speaker and Co-Director: Update in Cardiovascular Medicine (Tehran, Iran), 2012-present

Mahboob Alam, M.D.

- Appointed to Department of Medicine Vice Chair Group for Quality Improvement and Innovation
- Associate Director and Fellows Quality Academy Advisor, Cardiovascular Disease Fellowship
- Invited Speaker, “Defeat COVID 19 – Critical Care Course for Non-ICU Physicians,” King Saud Medical City, Riyadh, KSA
- Invited Speaker, Student Research Forum “Critical Appraisal of Literature,” Aga Khan University, Karachi, Pakistan
- Invited Speaker, “Management of cardiovascular complications of COVID-19,” Ferozesons Laboratories, Pakistan
- Medicine Grand Rounds, CHI Baylor St. Luke's Medical Center, “Management of PFOs”
- Member Reviewer Panel, “Early Career Faculty Award for Excellence in Patient Care”
- Faculty Mentor, Academy of Resident Educators Medical Education Research Elective (AoRE LAB)
- Abstract Reviewer for SCAI 2020
- Abstract Reviewer for ACC 2020/World Congress of Cardiology
- Poster Judge for Science and Engineering Fair of Houston
- Invited Faculty, Fundamentals of Clinical Investigation (Baylor Graduate School of Biomedical Sciences), 2019-2020
- Poster Judge for 2019 Annual Showcase of Educational Scholarship
- Member, Baylor College of Medicine Clinical Competency Committee, Cardiovascular Disease Fellowship
- Member, Baylor College of Medicine Clinical Competency Committee, Interventional Cardiology Fellowship
- Member, Alliance of Academic Internal Medicine

Christie Ballantyne, M.D.

- Invited speaker at AHA, ACC, European Society of Cardiology (ESC), European Atherosclerosis Society (EAS), NLA, American Diabetes Association (ADA)
- Co-Chair of Cardiometabolic Health Conference
- Planning Committee Member, ACC Heart House Roundtable on Navigating Treatment Decisions for Patients with Atherosclerotic CVD (ASCVD) and Multiple Comorbidities
- Expert Panel discussant, ACC, “The Role of Triglycerides in ASCVD Risk”

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

- Invited panelist, FDA Public Meeting, “Endpoints for Drug Development in Heart Failure,” July 26, 2019, FDA White Oak Campus
- Invited Cardiology Grand Rounds presenter, “Precision in Heart Failure” at Oregon Health State University, July 22 2019
- Presented and served as a Moderator at ECS-ACC Middle East Conference in Dubai, UAE, October 4-5 2019, on 1) Plenary Session: Atrial Fibrillation and Heart Failure: A Two-Faced

Coin!; 2) Practical Aspects in the Management of Acute Heart Failure Syndromes; 3) Update on Medical Therapy of HFrEF and HfpEF, 4) Obesity Management of Heart Failure, 5) Heart Failure in Diabetes: Is HFpEF the REAL Enemy?

- Presented at the 30th Annual Meeting of the California ACC on the topics of “Heart Failure and Diabetes: The Role of the New Diabetic Medications in the Management of Heart Failure,” and “Heart Failure Update 2019,” Newport, California, September 21, 2019
- Presenter at the Annual Scientific Sessions of the HFSA, Philadelphia, September 13-15, 2019: 1) Plenary Opening Session on “Independence from HF: Awareness, Empathy & Activism”; 2) “Excellence in Translational Sciences”; 3) as a panelist at the FDA Special Session: Focusing on Patient in Clinical Research and Drug Development; 4) “Successful Models of Mentoring Women in HF and Transplant”; 5) “Barriers to Implementation of New Therapies; U.S. Perspective: Is it Possible to Bring New Development Rapidly to our HF Patients?”
- Presenter at the Fall Managed Care Forum in Las Vegas, Nevada, October 11, 2019, “Evidence-Based Management of Heart Failure”
- Presenter at 14th Cardiometabolic Health Congress on Diagnosis and Treatment Strategies in Iron Deficiency in Heart Failure, “Evidence from Recent and Ongoing Clinical Trials,” Chicago, October 12, 2019
- Presenter at the AHA Annual Scientific Sessions, Philadelphia, November 16-18, 2019; Plenary Sessions presenter in Main Event, “Prevalence, Phenotype, and Prognosis of Heart Failure and Diabetes,” Nov 16, 2019
- Presenter/Moderator at the Go Red for Women: “Combatting the Persistent Disparities in Care”
- Discussant at Circulation Sessions Innovation in Cardiovascular Science and Medicine, “Effect of Dapagliflozin on Heart Failure and Mortality in Type 2 Diabetes,” November 17, 2019
- Speaker at Step In and Speak Out: The Art of Advocating for Yourself and Other Women, FIT/Early Career Session, November 17, 2019
- Presenter at Northwestern University Annual Heart Failure Symposium, on the topics of “Out of the Shadows and Into the Light – Evolving Risk Factors for Heart Failure” and “Future of HF Training/Research,” Chicago, December 5-6, 2019
- Participant in the ACC Roundtable Industry Advisory Forum Work Group, New York, December 9, 2019
- Participant in the ACC Roundtable Navigating Treatment Decisions for Patients with ASCVD and Multiple Comorbidities, Washington DC, December 10, 2019
- Participant in the Peritoneal Ultrafiltration for Heart Failure Advisory Roundtable, Chicago, December 13, 2019
- Online ACC 2020 Virtual Sessions Presenter: “Safety and Efficacy of Other Glucose Control Strategies in Patients with Diabetes and Established Heart Failure” at Session 719: The Buzz around Diabetes and Heart Failure: From Pathophysiology, Prevention to Treatment. March 27, 2020
- Co-Chair of the Canadian Heart Failure Society and Heart Failure Society of America Joint Session titled Novel Concepts in the Diagnosis and Treatment of HFpEF. Live online presentation, April 18, 2020.

- Presenter at the VA National Cardiovascular Care of Patients with COVID-19 Webinar/Virtual Conference: A View From the Front Lines Part 2, May 6, 2020
- Coronavirus and Heart Failure Podcast, Heart Failure Beat, HFSA April 10, 2020
- Chair and Presenter at the AHA podcast on COVID-19 and Heart Failure, April 16, 2020
- Program Leader and Senior Associate Editor for Circulation COVID-19 Team, Updates from the Front Lines interview series, 22 video interview series
- Presenter at the ADA Annual Scientific Virtual Sessions on the topic of “Review of a Landmark Trial Focusing on CV Outcomes (DAPA-HF)” at the Cardiorenal–Metabolic Axis in Diabetes Session
- Presenter and Chairperson at the ESC Heart Failure Association Committee Virtual Workshop on Acute Heart Failure Definition, May 20, 2020
- Presenter at the 10 Women Cardiology Leaders – How to Overcome Adversity & Thrive Webinar presented by the ACC Women in Cardiology Section and Women as One, held by the ACC on June 25, 2020
- Presenter at the Virtual Heart Failure International Seminar with ACC Egypt and Alexandria University Cardiovascular Research, Education, Prevention (CVREP) on “Need for Precision in Heart Failure” on June 8, 2020
- Presenter at the eSPACE Heart Failure Global Web Conference on Update on Acute Heart Failure, “Inflammatory Cardiomyopathy and Viral Myocarditis,” July 11, 2020; Co-Chair of “State of the Art Management of Chronic HF”
- Presenter at the Virtual Joint Scientific Sessions of the HFSA/Chinese Heart Failure Association at the Chinese International Heart Failure Congress on “Precision in Heart Failure,” July 18, 2020
- Participant and discussant at the ACC Virtual Heart House Roundtable, Telehealth: The Intersection of Technology and Healthcare, July 2, 2020

Mihail Chelu, M.D., Ph.D.

- Grant reviewer, Swiss National Science Foundation
- Invited speaker, Syncope: 2019 ACC Rockies Chapter Meeting: Park City, Utah, August 4, 2019.
- Invited speaker, Evaluation of Cardiac Fibrosis: Value of Morphologic and Other Markers; Value of MRI for the Management of AF patients; invited speaker, CASTLE AF. 16th Edition Venice Arrhythmias: Venice, Italy, October 3-4, 2019
- Invited speaker, After AATAC and CASTLE-AF, should AF catheter ablation be labeled as class I indication? 16th Edition Venice Arrhythmias: Venice, Italy, October 4, 2019
- Invited speaker, Catheter ablation of AF: Lessons from LGE-MRI. 12th Asia Pacific Heart Rhythm Society Scientific Sessions: Bangkok, Thailand, October 25, 2019
- Invited speaker, Genetics in Arrhythmias. The Ali Massumi Cardiac Arrhythmia Symposium 2020: Houston, Texas, February 15, 2020
- Invited speaker, High power short duration RF: Safety and Efficacy. Thirteenth Annual Western Atrial Fibrillation Symposium: Park City, Utah, February 29, 2020

- Invited speaker, 2020 International Iasi Arrhythmia Forum: Iasi, Romania, June 19, 2020: “Atrial fibrillation ablation,” “Idiopathic PVC ablation,” “Ischemic VT ablation,” “Management of VT ablation complications,” “Implant techniques: pacemakers and ICDs with an eye toward avoiding complications,” and “Advanced techniques for LV lead implant”
- Co-chaired session, Course IV With and about rhythm disorders ablation (Diagnostic and interventional electrophysiology for rhythm disorders). 2020 International Iasi Arrhythmia Forum: Iasi, Romania, June 19, 2020
- Co-chaired session, Value of Cardiac Imaging in the Management of AF. 16th Edition Venice Arrhythmias: Venice, Italy, October 4, 2019
- Co-chaired session, Extracting the Latest Guidelines. 12th Asia Pacific Heart Rhythm Society Scientific Sessions: Bangkok, Thailand, October 24, 2019
- Chaired session, State-of-the-Art/3rd Module: Investigations and...complications. Moderators: Mihail G. Chelu (Houston), Dan Tesloianu (Iasi). 2020 International Iasi Arrhythmia Forum: Iasi, Romania, June 20, 2020
- Organized professional meeting, 2020 International Iasi Arrhythmia Forum: Iasi, Romania, June 17-21, 2020; co-president of Implantable Devices Section; Scientific Committee Member

Andrew Civitello, M.D.

- BSLMC Heart Transplant Program has performed 42 heart transplantations since reopening with 100% survival
- Invited speaker, Advances in Critical Care Conference, September 13, 2019. “Mechanical Circulatory Support for the Failing Heart: When to do what?”
- Invited speaker, Third Emirates Heart Failure Conference, January 23, 2020, Dubai, UAE. “Right Ventricular Failure After Left Ventricular Assist Device Implantation”
- Invited speaker, Houston Cardiogenic Shock Symposium, March 6, 2020. “Intra-Aortic Balloon Counterpulsation and Cardiogenic Shock”

Ali Denktas, M.D.

- Finished the Taxonomy for the SCAI new website with the Taxonomy workgroup
- Invited speaker, AHA Scientific Sessions, Philadelphia, Pennsylvania, November 16-17, 2019: “Case Studies in Bedside Echocardiography,” “Best Interventional Trials,” “Severe Calcification: Preparing for Success”
- Moderator, AHA Scientific Sessions, Philadelphia, Pennsylvania, November 16-17, 2019: “Complications in the Cath Lab: Opportunities to Learn,” “Coronary Artery Plaque: Taking Imaging to the Next Level,” “TAVR Dilemmas and Controversies”
- Moderator, Interventions at the VA: Protected PCI, Cardiovascular Research Technologies (CRT), Washington, DC, February 24-25, 2020
- Invited speaker and panelist, CRT), Washington, DC, February 24-25, 2020: “Complex PCI in a Patient With Multivessel PCI and STEMI: What to do What not to do?,” “Coronary Interventions at the VA: Management of End-Stage Coronary Disease,” “How Do I Perform LM Stenting?”

Jose Diez, M.D.

- Abstract reviewer, Cardiovascular Research Foundation–TCT Scientific Sessions: 2019
- Abstract reviewer, ACC Scientific Sessions: 2019
- Reviewer, American College of Physicians Scientific Sessions: 2019
- Presenter, “From Newborn to Adult–Aortic Stenosis Panel” and “Is there a role for TAVI in the young.” CSI Frankfurt 2019. Frankfurt, Germany, June 26-29, 2019
- Moderated poster discussant. TCT CRF, San Francisco, California, September 25-29, 2019
- Presentation, ACC: Advancing the Cardiovascular Care of the Oncology Patient. Washington, DC. February 14-16, 2020: “Malignant pleural mesothelioma surgery complicated by isolated right ventricular Takotsubo requiring ECMO support,” “Cytoreductive surgery for mesothelioma complicated by post-operative Takotsubo cardiomyopathy,” “Minimally invasive mitral valve replacement for severe primary mitral valve regurgitation in a patient with lung neuroendocrine tumor,” “A unique case of reversible right heart failure: external compression of RVOT and PA by mediastinal sarcoma responsive to chemotherapy”
- Poster presentation, “Risk factor analysis for patients with slow coronary flow.” International Academy of Cardiology, Annual Scientific Sessions 2018. 23rd World Congress on Heart Disease. Boston, Massachusetts, July 27-29, 2018

Savitri Fedson, M.D., M.A.

- Speaker, “Medical Errors,” Primary Care Update, Baylor College of Medicine, Houston, Texas, October 19, 2019
- Speaker, “Palliative Care and End of Life in Cardiovascular Disease,” Primary Care CME, MEDVAMC, Houston, Texas
- Speaker, “End of Life Care: Medical Facts and Patient Preferences,” Primary Care Update, Baylor College of Medicine, Houston, Texas
- Speaker, “When Death Becomes a Process in the ICU,” Evolving Clinical Ethics: a Working UnConference, Peer to Peer Presentation, Houston, Texas
- Speaker, American Association of Heart Failure Nurses Annual Meeting, Austin, Texas: “Intersection of Heart Failure and Diabetes,” “BioMarkers and Heart Failure”
- Speaker, “The Rule of Rescue in today’s CCU,” Department of Medicine Grand Rounds, University of Miami, Miami, Florida
- Speaker, “End of Life: Clinical Discussions” Medical Staff Quarterly Meeting, Methodist Hospital of Baytown, Baytown, Texas

Ihab Hamzeh, M.D.

- Invited lecture, “Anticoagulation for atrial fibrillation in 2019: an update,” Beirut, Lebanon
- Member, SOM interviewing committee 2019-present
- Chair, Cardiovascular Fellowship Clinical Competency Committee, BCM 2019-present

Waleed Kayani, M.D.

- Grand Rounds speaker, BCM Scott Department of Urology (June 2020): “Perioperative Management of Antiplatelet and Anticoagulant Medications in Patients with Heart Disease”

- Invited moderator, AHA 2019 Scientific Session, “Novel Approaches in Interventional Cardiology,” “A Case of Complex Left Main Artery Stenosis”
- BCM Cardiothoracic Surgery Fellowship: “Coronary angiography; Interpretation and Pitfalls”
- BCM Interventional Cardiology Fellowship: “Contrast Induced Nephropathy”
- BCM Cardiovascular Disease Fellowship: “Work-up and Triage of Acute Myocardial Infarction”
- BCM Internal Medicine Resident Lecture Speaker: “Management of Stable Coronary Artery Disease”
- BCM Family Medicine Resident Lecture Series: “Management of Acute Coronary Syndromes”
- BCM Emergency Medicine Resident Lecture Series: “Doc Talk with a Cardiologist”
- Abstract grader, AHA Scientific Sessions – 2019, 2020

Mirza Umair Khalid, M.D.

- Abstract reviewer, ACC Scientific Sessions
- Managing BCM Cardiology Fellowship’s official Twitter page (@BCMHEART)
- Director, Cardiology Ambulatory Clinic, MEDVAMC
- Active participant in recruitment of new cardiology fellows

Srikanth Koneru, M.D

- Invited speaker, International Cardiology Congress Cardiac Imaging, National Heart Institute INCOR, Peru

Nasser Lakkis, M.Sc., M.D.

- STEMI program at Ben Taub mentioned by U.S. News and World Report in 2019 for excellent care for heart attack patients
- Passed CMS review at Harris Health Cardiology without citations
- Established Tele Med in Cardiology at Harris Health
- Ben Taub CCU recognized for highest nurses and patient satisfaction score at Harris Health

Glenn Levine, M.D.

- Antiplatelet and Anticoagulant Therapy: STEMI, NSTEMI and Stable CAD, Delhi, India, 2019
- Primary PCI in STEMI: Culprit Only vs Non-Culprit Multivessel PCI, Delhi, India, 2019
- Psychological Health, Delhi, India, 2019
- DAPT and Combination Antiplatelet/Anticoagulant Therapy, American College of Cardiology Federal Section national webinar, 2020
- U.S. and European Bioprosthetic SAVR and TAVR anticoagulation guidelines
- Antithrombotic therapies after bioprosthetic aortic valve replacement round table, ACC Heart House, Washington DC, 2020
- Juggling Multiple Guidelines and Outcome Data for Secondary ASCVD Prevention: Finding the Right Balance. American College of Cardiology Round Table Think Tank, Washington DC, 2019
- The ISCHEMIA-CKD TRIAL: Discussant Presentation. American Heart Association National Scientific Sessions, Philadelphia PA, 2019

- Juggling Multiple Guidelines and Outcome Data for Secondary ASCVD Prevention. American College of Cardiology Round Table Meeting, Washington DC, 2019
- DAPT after Percutaneous Revascularization. Keynote Address. Complex Coronary Cases Symposium, New York City, 2019

Vanessa Medrano, M.D.

- Invited speaker, “You Gotta Have Heart,” Michael E. DeBakey High School for Health Professions Annual Scientific Symposium, February 14, 2020
- Member, BCM Department of Medicine Diversity Committee
- Member, Clinical Competence Committee for Cardiology Fellows

Arunima Misra, M.D.

- Speaker, Chest Pain Workshop, BCM Family and Community Medicine Primary Care Update for CME, 2019
- Speaker, Stress Testing, MEDVAMC Primary Care Update for CME, 2019
- Speaker, Echocardiography in CAD, Annual Houston Echo Review: Boot Camp for Echo Board, 2019
- Speaker, Go Red for Women, MEDVAMC, 2019
- Speaker, Heart Disease in Women, BCM Doc Talk, 2019
- Abstract Reviewer, ACC 2019

Ajith Nair, M.D.

- Presentation, Obstructive Sleep Apnea, Pulmonary Hypertension and Diastology, Chest Annual Meeting, New Orleans, Louisiana, October 23, 2019

Vijay Nambi, M.D., Ph.D.

- Writing group for “Recommendations for the Assessment of Carotid Arterial Plaque by Ultrasound for the Characterization of Atherosclerosis and Evaluation of Cardiovascular Risk: From the American Society of Echocardiography”

Juan Carlos Plana Gomez, M.D.

- Virtual Cardio-oncology learning module. Spanish Society of Cardiology

Guilherme Silva, M.D.

- Speaker, COVID-19 in Cardiology, 22nd Mariano M. Alimurung Memorial Lecture, Manila, Philippines

Salim Virani, M.D., Ph.D.

- International Advisor for the Aga Khan University Pakistan Initiative for Non-Communicable Diseases
- Faculty Discussant, ASPC Webinar on the 2019 ACC/AHA Guideline on the Primary Prevention of Cardiovascular Disease
- Planning Committee Member, American College of Cardiology’s Heart House RoundTable “LDL & Beyond: Emerging Management Strategies for Patients with Dyslipidemia”

- Faculty representative for the American Heart Association. Live Twitter Chat on “Managing Cholesterol in Latino Communities”
- Faculty, 23rd Annual Hypertension, Diabetes, and Dyslipidemia Conference
- Faculty 2019 ASPC Congress
- Faculty, 9th Annual Primary Care Fall Conference
- Faculty, 10th Annual Essentials in Primary Care Fall Conference
- Panel Discussant, Annual Scientific Sessions of the American Heart Association
- Invited Presenter at Oklahoma State University
- Planning Committee Member, ACC Heart House Roundtable on Navigating Treatment Decisions for Patients with ASCVD and Multiple Comorbidities
- Faculty Presenter, Section of Cardiology Grand Rounds, Washington University in St. Louis
- Faculty, 8th Annual Essentials in Primary Care Fall Conference
- Faculty, Virtual Annual Scientific Sessions of the American College of Cardiology Together with World Congress of Cardiology
- Keynote Speaker, Annual Big Data Scientist Training Enhancement Program (BD-STEP) Meeting, Department of Veterans Affairs, Marcy 27, 2020
- Faculty, 14th Annual Primary Care Spring Conference
- Panelist, Houston Methodist DeBakey Center Live Webinar on CVD Prevention: Emerging Epidemics of Acute MI & Stroke in the Young in the USA: New Frontier of CVD Prevention
- Faculty, 11th Annual Essentials in Primary Care Summer Conference
- Expert Panel Discussant for the American College of Cardiology: The Role of Triglycerides in ASCVD Risk
- Chair, Global NCD Academy of the American College of Cardiology and Faculty Contributor for the module on “Risk Stratification and Practical Approaches to Cholesterol Management”
- Panel Discussant: Emerging Epidemics of Acute MI & Stroke in the Young—New Frontier for CVD Prevention

Lily Zhang, M.D.

- CCTA course, Certificate of Completion in ACC level II Competency in Cardiovascular Imaging with Computed Tomography

RESEARCH ACTIVITIES

Grants

Hamid Afshar, M.D.

- Smart CRT Study Randomized Multi-center; Boston Scientific

Mahboob Alam, M.D.

- Reduce LAP-HF Trial II; Corvia Medical

Christie Ballantyne, M.D.

- Profiling Cardiovascular Events and Biomarkers in the Very Old to Improve Personalized Approaches for the Prevention of Cardiac and Vascular Disease; NIH
- Diabetes and Pre-Diabetes in Older Adults; NIH
- Atherosclerosis Risk in Communities (ARIC) Study—Field Centers; NIH
- Mapping the Progression to HFpEF in the Elderly through Longitudinal Changes in Cardiac Function; NIH
- Elucidating the Role of Adipokines in Mediating and Predicting HF Associated with Obesity; NIH
- Clonal Hematopoiesis in Humans: Determinants of Development and Progression; NIH
- ARIC Neurocognitive Study (ARIC-NCS) Renewal
- The Importance of Adipokines in Mediating the Relationship of Obesity with Cardiometabolic Health and Diabetes: Implications for Subclinical and Clinical Heart Failure; AHA
- Regulation of Type 1 Inflammation in Diet-Induced Obesity; NIH
- The Familial Hypercholesterolemia Foundation CASCADE-FH Registry; Duke University
- 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.
- Using hs-cTnI and NT-proBNP to Personalize Blood Pressure Treatment Goals: A Systolic Blood Pressure Intervention Trial (SPRINT) Substudy; Abbott Laboratories
- 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
- Multi-Center Cross-Sectional Epidemiological Study to Characterize the Prevalence and Distribution of Lipoprotein(a) Levels among Patients with Established Cardiovascular Disease; Novartis Pharmaceuticals
- A Randomized Double-Blind, Placebo-Controlled, Multicenter Trial Assessing the Impact of Lipoprotein(a) Lowering With TQJ230 on Major Cardiovascular Events in Patients with Established Cardiovascular Disease; Novartis Pharmaceuticals
- A Double-Blind, Randomized, Placebo-Controlled Phase 2 Study to Evaluate Efficacy, Safety, and Tolerability of AMG 890 (a GalNac-Conjugated Small Interfering RNA [siRNA]) in Subjects with Elevated Lipoprotein(a); Amgen, Inc.

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

- Novel Non-invasive Telemonitoring Vitalink System to Predict Heart Failure Exacerbation—a Clinical Pilot Study (LINK-HF PHASE II); VA
- Prevalence of Chagas in Patients with Dilated Cardiomyopathy; NIH

Srikanth Koneru, M.D.

- Transcatheter Mitral Valve Replacement With The Medtronic Intrepid™ TMVR System in Patients with Severe Symptomatic Mitral Regurgitation APOLLO Trial; Medtronic Cardiovascular
- Reduce Lap-HF Randomized Clinical Trial; Corvia Trial

- Cardiovascular Adaptation to 1 Year in Space: Integrated Cardiovascular Study 3.0 and Implications for Atrial Fibrillation; in collaboration with NASA

Tyler Moran, M.D., Ph.D.

- Genetic and Proteomic Predictors of Cardiovascular Risk in Cancer Patients; Cardiovascular Research Institute, BCM

Vijay Nambi, M.D., Ph.D.

- Biomarker Guided Therapies in Stage A/B Heart Failure; VA
- Profiling Cardiovascular Events and Biomarkers in the Very Old to Improve Personalized Approaches for the Prevention of Cardiac and Vascular Disease; NIH

Guilherme Silva, M.D.

- Mitral Center of Excellence at Common Spirit Network
- Ventricular Repair in Patients with HF and Reduced Ejection Fraction (CorCinch 5017); Ancora Heart, Inc.
- Ventricular Repair in Patients with Prior Mitral Valve Intervention and Recurrent Mitral Regurgitation (CorCinch 5018); Ancora Heart, Inc.
- Early Feasibility Study of the AccuCinch® Ventriculoplasty System; Ancora Heart, Inc.
- The AMPLATZER™ Post-infarct Muscular VSD Occluder Humanitarian Device Exemption (H070005) Post Approval Study (Amplatzer PAS); St. Jude Medical
- GORE® CARDIOFORM Septal Occluder and Antiplatelet Medical Management for Reduction of Recurrent Stroke in Patients with Patent Foramen Ovale (PFO): the REDUCE Post Approval Study (GSO 18-01); W. L. Gore & Associates, Inc.
- Factors Associated with Length of Stay after Transcatheter Aortic Valve Replacement
- Transcatheter Mitral Valve Replacement With the Medtronic Intrepid™ TMVR System in Patients with Severe Symptomatic Mitral Regurgitation APOLLO Trial; Medtronic Cardiovascular
- Portico™ Re-Sheathable Transcatheter Aortic Valve System US IDE Trial (PORTICO); Abbott Medical Devices

Salim Virani, M.D., Ph.D.

- Determining and Targeting Reasons for Low Statin Use to Improve Guideline-Concordant Statin Therapy in High-Risk Patients (Investigator Initiated Research (IIR) 16-072); VA Health Services Research & Development (HSR&D)
- A CLUB-based MEDication Delivery Strategy for Patients with Hypertension in Nigeria (CLUBMEDS): a feasibility study; World Heart Federation
- Improving Guideline-Based Care in Pakistan Using Digital Health Solutions; The Jooma and Tahir Family
- Optimizing Renin Angiotensin System Blocker Use among Veterans with Kidney Disease; VA HSR&D
- Effectiveness of Telehealth to Adequately Manage ACSC such as Admission for Congestive Heart Failure

Lily Zhang, M.D.

- SOLOIST-WHF (Effects of Sotagliflozin on Cardiovascular Events in Patients with Type 2 Diabetes Post Worsening Heart Failure); Lexicon Pharmaceuticals
- PARAGON-HF; Novartis Pharmaceuticals
- GALACTIC-HF; Amgen

Publications

- American Heart Journal (IF **4.153**): 6
- American Journal of Cardiology (IF **2.570**): 14
- American Journal of Cardiovascular Drugs (IF **2.674**): 1
- American Journal of Epidemiology (IF **4.526**): 2
- American Journal of Hypertension (IF 2.669): 1
- American Journal of Kidney Diseases (IF **6.653**): 2
- American Journal of Medicine (IF **4.760**): 8
- American Journal of Preventive Cardiology (IF NA): 1
- American Journal of Preventive Medicine (IF NA): 1
- American Journal of Transplantation (IF **7.338**): 1
- Annals of Noninvasive Electrocardiology (IF **1.131**): 2
- Annals of Thoracic Surgery (IF **3.928**): 1
- Arteriosclerosis, Thrombosis, and Vascular Biology (IF: **6.618**): 2
- ASAIO Journal (IF **2.100**): 2
- Atherosclerosis (IF **3.919**): 1
- Basic Research in Cardiology (IF **11.981**): 1
- BMJ (IF **30.223**): 1
- BMJ Open (IF **2.496**): 2
- Cardiac Electrophysiology Clinics (IF NA): 1
- Cardiovascular Diagnosis and Therapy (IF **2.615**): 1
- Cardiovascular Drugs and Therapy (IF **4.18**): 5
- Cardiovascular Endocrinology & Metabolism (IF **0.590**): 1
- Cardiovascular Revascularization Medicine (IF **1.470**): 2
- Cardiovascular Toxicology (IF **2.9**): 1
- Catheterization and Cardiovascular Interventions (IF **2.044**): 1
- Cellular Physiology & Biochemistry (IF **5.5**): 1
- Chest (IF **9.657**): 1
- Circulation (IF **23.054**): 19
- Circulation: Cardiovascular Imaging (IF **5.813**): 1
- Circulation: Cardiovascular Quality and Outcomes (IF **4.378**): 4
- Circulation: Heart Failure (IF **6.526**): 1
- Circulation Research (IF 15.862): 2
- Clinical Cardiology (IF **2.248**): 2
- Clinical Medicine Insights: Cardiology (IF NA): 1
- Cureus (IF NA): 2
- Current Atherosclerosis Reports (IF 4.608): 5
- Current Cardiology Reports (IF **2.4**): 3
- Current Cardiovascular Risk Reports (IF **0.630**): 1
- Current Diabetes Reviews (IF **2.210**): 1
- Current Opinion in Cardiology (IF **2.149**): 1

- Diabetes Care (IF: **16.019**): 5
- Diabetes/Metabolism Research and Reviews (IF **NA**): 1
- EBioMedicine (IF: **NA**): 1
- Europace (IF **4.045**): 1
- EuroIntervention (IF **3.36**): 1
- European Heart Journal (IF **22.673**): 2
- European Journal of Preventive Cardiology (IF **5.640**): 4
- Expert Opinion on Investigational Drugs (IF **4.031**): 1
- Expert Review of Cardiovascular Therapy (IF: **1.90**):1
- General Thoracic and Cardiovascular Surgery (IF: **1.219**):1
- Global Heart (IF: **3.862**): 1
- Heart (IF: **NA**): 1
- Hospital Practice (IF **NA**): 1
- Interactive CardioVascular and Thoracic Surgery (IF **1.675**): 1
- International Journal of Cardiology (IF **3.229**): 5
- International Journal of Cardiology: Hypertension (IF **NA**): 1
- International Journal of Cardiovascular Imaging (IF **1.17**): 1
- International Journal of Obesity (IF **4.419**): 1
- JACC: Basic to Translational Science (IF **3.70**): 2
- JACC: Cardiovascular Imaging (IF **12.746**): 4
- JACC: Cardiovascular Interventions (IF **8.432**): 1
- JACC: Case Reports (IF **NA**): 1
- JACC: Heart Failure (IF **8.75**): 2
- JAMA (IF **51.3**): 1
- JAMA Cardiology (IF **11.9**): 3
- JAMA Network Open (IF **5.032**): 2
- JAMA Oncology (IF **22.416**): 1
- Journal of Applied Laboratory Medicine (IF **NA**): 1
- Journal of Cardiac Failure (IF **3.967**): 2
- Journal of Cardiovascular Electrophysiology (IF **2.424**): 3
- Journal of Cardiovascular Translational Research (IF 3.312): 1
- Journal of Cardiovascular Pharmacology (IF **2.598**): 1
- Journal of Clinical Endocrinology and Metabolism (IF **5.605**): 1
- Journal of Clinical Lipidology (IF **3.860**): 4
- Journal of Clinical Oncology (IF **32.956**): 2
- Journal of Electrocardiology (IF **0.944**): 5
- Journal of Heart and Lung Transplantation (IF **8.578**): 1
- Journal of Hypertension (IF **4.17**): 1
- Journal of Invasive Cardiology (IF **1.5**): 3
- Journal of Interventional Cardiac Electrophysiology (IF **1.277**): 2
- Journal of Interventional Cardiology (IF **NA**): 1
- Journal of Medical Economics (IF **1.958**): 1
- Journal of the American College of Cardiology (IF **20.589**): 16
- Journal of the American Geriatric Society (IF **4.18**): 2
- Journal of the American Heart Association (IF **4.660**): 10
- Journal of the American Society of Echocardiography (IF **5.508**): 4
- Journal of Thoracic Disease (IF **2.046**):1
- Mayo Clinic Proceedings (IF **6.942**): 1
- Medicine (IF **NA**): 1
- Nature Communications (IF **11.880**): 1
- Nature Reviews Cardiology (IF **20.260**): 2

- New England Journal of Medicine (IF **74.699**): 1
- Pacing and Clinical Electrophysiology (IF **1.303**): 2
- Postgraduate Medicine (IF **1.911**): 1
- Preventive Medicine (IF **3.788**): 1
- Progress in Cardiovascular Diseases (IF **6.763**): 2
- Reviews in Cardiovascular Medicine (IF **0.66**): 1
- Revista Española de Cardiología (English Edition) (IF **4.642**): 1
- Scientific Reports (IF **4.011**): 1
- Sleep and Breathing (IF **2.162**): 1
- Texas Heart Institute Journal (IF **0.758**): 4
- Vascular Health and Risk Management (IF **2.620**): 1

Books and Book Chapters

Christie Ballantyne, M.D.

- 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

Yochai Birnbaum, M.D.

- Fiol-Sala M, Birnbaum Y, Nikus K, Bayes de Luna A. *Electrocardiography in ischemic heart disease. 2nd Ed.* Wiley Blackwell, 2019

Savitri Fedson, M.D., M.A.

- Fedson SE, Misra A, Deswal A. Treatment of Heart Failure with Preserved Ejection Fraction. In: Felker GM, Mann DL (eds). *Heart Failure: A Companion to Braunwald's Heart Disease, 4th Ed.* St. Louis, MO: Elsevier, 2019:568–584

Mirza Umair Khalid, M.D.

- Khalid MU, Virani SS. Prevention: Atherosclerotic Cardiovascular Disease Risk Assessment. In: Kuvin JT (ed). *Adult Clinical Cardiology Self-Assessment Program (ACCSAP).* American College of Cardiology, 2020. Accessible online at <http://www.acc.org/accsap>

Glenn Levine, M.D.

- Levine GN. *Take Back Control of Your Mind.* Serenity Now Press, 2020
- Levine GN. *Percutaneous Coronary Intervention Guidelines.* In *1133 Questions: An Interventional Cardiology Board Review, 3rd Ed.* Mukherjee D, Lange R (eds). Alphen aan den Rijn, Netherlands: Wolters Kluwer, 2019
- Schulman S, Levine GN. Antithrombotic and Antiplatelet Therapy. In: *Goldman-Cecil Textbook of Medicine,* 2019
- Levine GN. American College of Cardiology CathSAP 5. Chapter 1; module 2. *PCI Guidelines Focused Updates.* Section update for 2019 (web-based)
- Levine GN. American College of Cardiology CathSAP 5. Chapter 1; module 2. *NSTEMI-ACS Guidelines.* Section update for 2019 (web-based)

Arunima Misra, M.D.

- Fedson SE, Misra A, Deswal A. Treatment of Heart Failure with Preserved Ejection Fraction. In: Felker GM, Mann DL (eds). *Heart Failure: A Companion to Braunwald's Heart Disease, 4th Ed.* St. Louis, MO: Elsevier, 2019:568–584

Tyler Moran, M.D., Ph.D.

- Moran TB, Plana JC. Cardiovascular Effects of Cancer Therapy. In: ASE's *Comprehensive Echocardiography, 3rd Ed.* 2020, in press

Raymond Stainback, M.D.

- Stainback, RF. The Diagnostic Echocardiography Laboratory: Structure, Standards, and Quality Improvement. In: Otto C (ed). *The Practice of Clinical Echocardiography, 6th Ed.* St. Louis, MO: Elsevier, 2020, in press

Salim Virani, M.D., Ph.D.

- Khalid MU, Virani SS. Prevention: Atherosclerotic Cardiovascular Disease Risk Assessment, 2019 Update. In: Kuvin JT (ed). *Adult Clinical Cardiology Self-Assessment Program (ACCSAP).* American College of Cardiology, 2019. Accessible online at <http://www.acc.org/accsap>
- Khalid MU, Virani SS. Prevention: Atherosclerotic Cardiovascular Disease Risk Assessment. In: Kuvin JT (ed). *Adult Clinical Cardiology Self-Assessment Program (ACCSAP).* American College of Cardiology, 2020. Accessible online at <http://www.acc.org/accsap>

PRESS**Hamid Afshar, M.D.**

- TMC Pulse Magazine, interview regarding Respocardia in the management of central sleep apnea. (Nov. 2019)

Christie Ballantyne, M.D.

- Houston Chronicle, interview on cholesterol disorders, role of genetics, and link with cardiovascular disease. (Sep. 2019)
- Wall Street Journal, interview on bempedoic acid. (Dec. 2019)
- Global Data, interview on familial hypercholesterolemia. (Jan. 2020)
- Washington Post, interview on bempedoic acid. (Feb. 2020)
- MD Magazine, interview on bempedoic acid. (Feb. 2020)
- Cardiology Today, interview on lipid management and residual risk. (Mar. 2020)

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

- Medscape, “Heart Damage Even After COVID-19 'Recovery' Evokes Specter of Later Heart Failure.” (Jul. 2020)
- Healio, HF Awareness Week spotlights recent advances in treatment, new research. (Feb. 2020)
- TCTMD, Gender Gaps Persist in CV Research, Editorships, and Training. (Feb. 2020)

- News Release by the HFSA, AHA, ACC, Patients who contract COVID-19 should continue ACE-i and ARB treatment, unless otherwise advised by physician. (Mar. 2020)
- Medical Xpress, Wearable sensor powered by AI predicts worsening heart failure before hospitalization. (Feb. 2020)
- NPR Interview, “Eerie Emptiness of ERs Worries Doctors: Where Are the Heart Attacks and Strokes?” (May 2020)
- UPI Interview, Device may predict heart failure health events. (Feb. 2020)
- Press release by AHA, ACC, SCAI, HRS, HFSA, Association of Black Cardiologists for immediate action needed in coronavirus crisis: “Healthcare Societies Issue Urgent Call for Federal Action to Address COVID-19 Medical Equipment Shortages.” (Mar. 2020)
- Interview / News by NPR/KPCC, Fearing Covid-19, Heart Attack and Stroke Patients Delay Care. (May 2020)
- PBS News Hour Interview, COVID phobia is keeping people with serious heart symptoms away from ERs. (Apr. 2020)
- AHA Notes from Rounds, Diabetes and Heart Failure. (Nov. 2019)
- Stat News, “Where are all our patients?”: Covid phobia is keeping people with serious heart symptoms away from ERs.” (Apr. 2020)
- Medscape PIONEER-HF: In Acute HF, Early Start to Sacubitril/Valsartan Seems Key to Best Clinical Gains. (Mar. 2020)

Andrew Civitello, M.D.

- The Arab Hospital Magazine, “Options for Treatment of Advanced Heart Failure.” (Mar. 2020)

Savitri Fedson, M.D., M.A.

- KCBS Radio Station, San Francisco, discussion on National Donor Day and Organ Transplantation. (Feb. 2020)
- Houston Chronicle, comment on “More Texas City nursing home patients get hydroxychloroquine as doctor sees progress.” (Apr. 2020)

Mirza Umair Khalid, M.D.

- Medscape, interview on racial disparities in management of atrial fibrillation. (Jun. 2020)

Arunima Misra, M.D.

- Masala Radio, interview during American Heart Month 2019. (Feb. 2019)

Vijay Nambi, M.D., Ph.D.

- Houston Matters (Houston Public Media, NPR affiliate), interview on American Heart Month. (Feb. 2020)

Salim Virani, M.D., Ph.D.

- Cardiology Today, "Guideline-based statin use, adherence higher with cardiologist care." (Aug. 2019)
- AHA News, "Tiring easily may warn of future heart trouble." (Aug. 2019)

- Washington Post, “Heart disease progress is slowing or stalling, study says. Obesity is likely to blame.” (Aug. 2019)
- Medscape, “New AHA/ACC Performance and Quality Statement on Hypertension.” (Nov. 2019)
- MedPage Today, “High tech brought to bear on high triglycerides—RNA interference agents pass early test in healthy volunteers.” (Nov. 2019)
- KTRH, “Fewer heart attacks. Fewer strokes.” (Nov. 2019)
- Everyday Health, “Diabetes nearly doubles the risk of heart failure.” (Jan. 2020)
- U.S. News & World Report, “Millions of Americans with heart disease use pot, bringing potential harm.” (Jan. 2020)
- KCBS, interview on marijuana and risk of cardiovascular disease. (Jan. 2020)
- Doctor Radio/SiriusXM, interview on the study “Variation and Disparities in Awareness of Myocardial Infarction Symptoms Among Adults in the United States.” (Jan. 2020)
- Cardiology Today, “AHA aims to increase healthy life expectancy by 2030.” (Jan. 2020)
- Cath Lab Digest, “American College of Cardiology to offer interactive, on-demand education resource to support optimal NCD care.” (Jan. 2020)
- The Manual, “It’s time to start thinking about your heart health.” (Feb. 2020)
- Houston Chronicle, “New coronavirus can cause cardiovascular issues in serious cases, study shows.” (Mar. 2020)
- AHA FIT News, “Faculty for fellows: COVID19.” (Mar./Apr. 2020)
- BBC Mexico, “Obesidad: oculta epidemia que pone en jaque a Estados Unidos y México” [on obesity and COVID-19 infection] (Apr. 2020)
- Modern Healthcare, “Doctors may be wrongly treating heart attacks in COVID-19 patients.” (Apr. 2020)
- TCTMD, “COVID-19 lockdown inactivity may spell trouble for CVD prevention.” (Apr. 2020)
- HealthCentral, “The stress of coronavirus is triggering your flare.” (May 2020)
- HealthCentral, “Navigating COVID-19 re-openings if you’re high risk.” (May 2020)
- TCTMD, “Azithromycin again linked to higher CV mortality risk.” (Jun. 2020)

TEACHING ACTIVITIES

Mahboob Alam, M.D.

- Faculty Preceptor (Patient, Physician and Society 3 - PPS 3) Undergraduate medical education course
- BCM Cardiovascular Disease Lectures: "Fractional Flow Reserve and IFR," "Intra-coronary imaging – IVUS and OCT," "Mechanical Circulatory Support," and "Meta-Analysis"
- Internal Medicine Resident Lecture "Pericardial Diseases"

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

- Thesis Committee Member, Megan McKenna, Ph.D. Candidate, BCM, Tropical School of Medicine, 2017-2019

- Advisor for Chief Medical Resident for Quality and Safety Nathan Nowalk, M.D., 2018-2019
- Advisor for Chief Medical Resident for Quality and Safety, June Penrot Kampangkaew M.D., 2018-2019

Yochai Birnbaum, M.D.

- Mentoring 6 residents and 2 fellows in research projects

Andrew Civitello, M.D.

- Program Director, Advanced Heart Failure and Transplant Cardiology Fellowship Program
- Outpatient Clinical Mentor, General Cardiology Fellow

Ali Denktas, M.D.

- Continue teaching for the cath and interventional fellows and coorganize the weekly case conference for the cath fellows

Jose Diez, M.D.

- Faculty (Attending Physician for Service) – HGCA Clinical Cardiology at BCM Consultation Service. Baylor St Luke’s Medical Center, Baylor College of Medicine
- Attending, Cardiovascular Disease (A) SLEH-141482112042-0 (Cardiovascular Disease Fellowship Program: HGCA at BCM)
- Coordinator and attending, Internal Medicine-BSLMC CARD1 – 140482142242-0 (Cardiology: HGCA at BCM Clinical Cardiology Consultation Service)
- Teaching faculty, Department of Internal Medicine at Baylor St. Luke’s Medical Center, Cardiology

Savitri Fedson, M.D., M.A.

- Lecturer, Second-year Medical Student Course – Foundational Science Curriculum: Cardiology, MS2 Valvular Heart disease – Part 1 (Aortic) and Part 2 (Mitral), Cardiomyopathies, Clinical Heart Failure
- Lecturer, Second-year Medical Student Course – Patient, Physician and Society (PP3): Differential Diagnosis of Chest Pain: the Cardiovascular Exam
- Lecturer, First-Year Medical Ethics Course: Professionalism, Maternal-Fetal Medicine, End of Life Decision Making, Ethical Considerations in Transplantation

Ihab Hamzeh, M.D.

- Associate Program Director, Cardiovascular Fellowship
- Lecture to fellows: Endocarditis
- Lecture to residents: Anticoag in Afib
- Moderator: BT Cardiology Tuesday ECG and case conference

Waleed Kayani, M.D.

- Associate Director, Monday Research Conference (Cardiovascular Diseases Fellowship)
- Associate Director, Interventional Cardiology Fellowship, Ben Taub Hospital
- Medical School PPS III Preceptor

Mirza Umair Khalid, M.D.

- Associate Director, BCM Cardiology Fellowship Program
- Conduct >20 lectures for cardiology fellows every year
- Board Review Series of ~10 lectures every year (to prepare cardiology fellows for cardiology boards & in-service exams)
- Quality Improvement Case-Based sessions, 6–8 every year for BCM Cardiology fellowship (“Morbidity & Mortality” sessions)
- Participate in weekly Case-Based Conferences at VAMC for BCM Cardiology Fellows
- Plan & Coordinate lecture series for both General Cardiology as well as Interventional Cardiology Fellowship programs at BCM (together with Chief Fellows)
- Mentored a team of three cardiology fellows to prepare them for Oct 2019 TX-ACC FIT Cardiology Fellows Jeopardy Competition (conducted several practice sessions)
- Involve trainees (residents/fellows) in every clinical activity at MEDVAMC (Cath lab, Echo lab, Clinic, Rounding)
- Supervised research projects with several residents and cardiology fellows (from data collection, analysis, abstract write-up and presentation, manuscript write-up and publication)
- “Cardiology Case Session”: 2-hour workshop for Baylor College of Medicine’s PA students
- Cardiology Outpatient Module Handbook (supervised the chief fellow in compilation of a 60-page PDF document summarizing all the current cardiology guidelines for use in clinical practice; updated regularly)
- Monthly High-Yield Cardiology Pearls (compilation of interesting cases every month)
- “Evaluation of Chest Pain” during Seminar for Primary Care Providers to improve awareness regarding clinical cardiology practice

Nasser Lakkis, M.Sc., M.D.

- Lectured cardiology trainees on hypertrophic cardiomyopathy
- Facilitated journal club for cardiology trainees
- Organized and lectured at the Third Cardiology Update Symposium at Harris Health 2019

Vanessa Medrano, M.D.

- Medicine Course Director for Cardiology Section (course MEMED 515C)
- Lecture to general cardiology fellows, “Intracardiac Masses”
- Lectured at the Third Cardiology Update Symposium at Harris Health 2019: “Update on Hypertension and Hyperlipidemia Management”

Arunima Misra, M.D.

- Lecture to general cardiology fellows: Basics of Nuclear Cardiology
- Lecture to general cardiology fellows: Tracers and Protocols for Nuclear Cardiology
- Lecture to medical residents: Chest Pain in ACS
- Lecture to medical residents: Stress Testing: Treadmill, Nuclear, Echo and CCTA
- Moderator for Multimodality CV Imaging Conference for general cardiology fellows and radiology residents

- Moderator for Journal Club: PIONEER-HF Trial for general cardiology fellows
- Clinical teaching in MEDVAMC CCU, Consult service, echo lab

Tyler Moran, M.D., Ph.D.

- Cardiovascular Diseases GS-DD-6210. Graduate School of Biomedical Sciences “Drug-Induced CV Toxicity”
- Advanced Topics in Cardiovascular Physiology, Graduate School of Biomedical Sciences. GS-DD-6401. “Cardio Oncology”
- Lecture to general cardiology fellows. “Tamponade and constriction”
- Lecture to general cardiology fellows. “ECG Coding”

Ajith Nair, M.D.

- Lecturer to fellows, Texas Heart Institute
- Lecturer to cardiology fellows, Baylor College of Medicine

Vijay Nambi, M.D., Ph.D.

- Medical student lecturer
- Graduate student lecturer
- Resident and fellow lecturer and clinical teaching

Salim Virani, M.D., Ph.D.

- Director, Cardiovascular Disease Fellowship Training Program, Baylor College of Medicine, Houston, TX
- Lectures to cardiology fellows and graduate students
- Co-Director, VA Advanced Fellowship in Health Services Research & Development at the Michael E. DeBakey VA Medical Center, Houston, TX
- Topic Coordinator (Prevention Pathway), Annual Scientific Sessions of the American College of Cardiology/World Congress of Cardiology 2020
- Chair, Global NCD Academy of the American College of Cardiology and Faculty Contributor for the module on "Risk Stratification and Practical Approaches to Cholesterol Management"

Lily Zhang, M.D.

- Elective cardiology course for MS4s (course MEMED 200)1-2/2020, halted due to COVID-19

SECTION OF CARDIOVASCULAR RESEARCH



SECTION CHIEF

*Christie M. Ballantyne,
M.D.*

The Section of Cardiovascular Research had another successful year. With 143 papers published, including 39 manuscripts in journals with impact factor >10, the section continues to be a national leader in cardiovascular research. The section received 11 new grants, including 5 National Institutes of Health (NIH) grants, 1 American Heart Association (AHA) grant, and 5 pharma and biotech grants with combined total direct costs of \$9,297,118. Section faculty hold key national leadership positions and serve on NIH study sections and numerous editorial boards of the top journals in the field. In regard to clinical practice, the section has two research projects using clinical genomics in the Lipid Metabolism and Atherosclerosis Clinic and is conducting early-phase research trials targeting severe lipid disorders with biotechnology agents including monoclonal antibodies, antisense oligonucleotides, and small interfering RNA approaches.

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, Genetics, and Physiology
Chief, Sections of Cardiovascular Research and Cardiology
Director, Center for Cardiometabolic Disease Prevention
Department of Medicine
Baylor College of Medicine

HIGHLIGHTS

- Publications: 143 papers published, including 39 in high-impact journals (impact factor >10)
- Grants: 11 new grants, awarded by NIH (5: "Regulation of type 1 inflammation in diet-induced obesity"; "Microvascular thrombosis in systemic inflammation"; "Von Willebrand factor in traumatic brain injury and associated coagulopathy"; "Clonal hematopoiesis in humans: determinants of development and progression"; "ARIC Neurocognitive Study (ARIC-NCS) renewal"), AHA (1: "The importance of adipokines in mediating the relationship of obesity with cardiometabolic health and diabetes: implications for subclinical and clinical heart failure"), and industry (5), with combined total direct costs of \$9,297,118
- Research projects: research approaches include clinical genomics, monoclonal antibodies, antisense oligonucleotides, and small interfering RNA

- Clinical: The Lipid Metabolism and Atherosclerosis Clinic continues to provide state-of-the-art patient care informed by our ongoing research, and Drs. Ballantyne, Nambi, and Virani have received recognition as “Best Doctors”

FACULTY

Section Leadership

- Christie Ballantyne, M.D., Section Chief and Division Chief, Atherosclerosis and Vascular Medicine
- Mark Entman, M.D., Division Chief, Cardiovascular Sciences
- Addison Taylor, M.D., Ph.D., Division Chief, Hypertension and Clinical Pharmacology
- Miguel Cruz, Ph.D., Division Chief, Thrombosis Research

Faculty

Atherosclerosis and Vascular Medicine

Primary

- Christie Ballantyne, M.D.
- John Foreyt, Ph.D.
- Ron Hoogeveen, Ph.D.
- Peter Jones, M.D.
- Na Li, Ph.D.
- Hua Mao, Ph.D.
- Vijay Nambi, M.D., Ph.D.
- Xinchun Pi, Ph.D.
- Salim Virani, M.D., Ph.D.
- Huaizhu Wu, M.D.
- Liang Xie, Ph.D.

Emeritus

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

Cardiovascular Sciences

Primary

- Katarzyna Cieslik, Ph.D.
- Mark Entman, M.D.
- Sandra Haudek, Ph.D.
- Anilkumar Reddy, Ph.D.
- JoAnn Trial, Ph.D.

Secondary

- Robert Bryan, Jr., Ph.D.
- George Taffet, M.D.

Adjunct

- Oliver Dewald, P.D. Dr. Med.
- Nikolaos Frangogiannis, M.D.

Emeritus

- Margaret Ann Goldstein, Ph.D.
- Craig Hartley, Ph.D.

Hypertension and Clinical Pharmacology

Primary

- James Pool, M.D.
- Addison Taylor, M.D., Ph.D.

Secondary

- William Fann, M.D.

Thrombosis Research

Primary

- Miguel Cruz, Ph.D.
- Vinod Vijayan, Ph.D.

Secondary

- Trung Nguyen, M.D.

- Jun Teruya, M.D.
- Michael Kroll, M.D.
- Perumal Thiagarajan, M.B.B.S.

Emeritus

Adjunct

- Joel Moake, M.D.
- Jing-Fei Dong, M.D., Ph.D.

HONORS AND ACHIEVEMENTS

Christie Ballantyne, M.D.

- 2019 U.S. News & World Report List of Best Doctors
- 2019 Clarivate World’s Highly Cited Researchers (top 1% Web of Science)
- 2020 Castle Connolly America’s Top Doctors
- 2020 TX Top Docs
- 2020 Baylor College of Medicine (BCM) Distinguished Alumnus Award

Katarzyna Cieslik, Ph.D.

- Elected Fellow of the AHA
- Promoted to Associate Professor, tenure track

Sandra Haudek, Ph.D.

- Promoted to Associate Professor, tenure track

Na Li, Ph.D.

- Norton Rose Fulbright Award—Teaching and Evaluation, BCM

Vijay Nambi, M.D., Ph.D.

- Inducted into the Best Doctors® Database

Salim Virani, M.D., Ph.D.

- Inducted into the Best Doctors® Database

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

Christie Ballantyne, M.D.

- Member, Editorial Board, *Circulation*
- Member, Editorial Board, Clinical and Translational Science
- Member, Editorial Board, Current Cardiology Reviews
- Member, Editorial Board, *Future Lipidology*

Miguel Cruz, Ph.D.

- Member, Editorial Board, *Blood Advances*

John Foreyt, Ph.D.

- Senior Editor, Eating Disorders
- Member, Editorial Board, American Journal of Health Behavior

- Member, Editorial Board, American Journal of Health Promotion
- Member, Editorial Board, American Journal of Lifestyle Medicine
- Member, Editorial Board, *Childhood Obesity*
- Member, Editorial Board, *Nutrition Today*
- Member, Editorial Board, Obesity and Weight Management
- Member, Editorial Board, Obesity Research and Clinical Practice

Peter Jones, M.D.

- Associate Editor, Journal of Clinical Lipidology

Na Li, Ph.D.

- Member, Editorial Board, International Journal of Cardiology: Heart & Vasculature

Vijay Nambi, M.D., Ph.D.

- Member, Editorial Board, American Journal of Preventive Cardiology
- Member, Editorial Board, *Circulation*
- Editorial Consultant, Journal of the American Society of Echocardiography

Xinchun Pi, Ph.D.

- Member, Editorial Board, Frontiers in Cardiovascular Medicine
- Topic Editor and Member, Editorial Board, *Nutrients*

Salim Virani, M.D., Ph.D.

- Associate Editor, *Innovations*, ACC.org
- Member, Editorial Board, American Journal of Preventive Cardiology
- Member, Editorial Board, Cardiovascular Drugs and Therapy
- Section Editor, "Coronary Heart Disease" and "Reviews and New Research Implications," *Current Atherosclerosis Reports*
- Editorial Team Member and Chair for Digital Strategy, "Cardiovascular Prevention" section, acc.org
- Guest Editor, *Circulation*
- Guest Editor, "COVID-19 and Cardiovascular Disease" issue, *Circulation*
- Member, Editorial Board, *Circulation*
- Associate Editor, *Journal of Clinical Lipidology* (Section specialty: Cardiovascular Outcomes and Guidelines)

Huaizhu Wu, Ph.D.

- Member, Editorial Board, *Archives of Inflammation*
- Guest Associate Editor, *Frontiers in Immunology* (T cell biology in adipose tissue)
- Member, Editorial Board, International Journal of Hematology Research
- Member, Editorial Board, Journal of Pediatric Endocrinology
- Member, Editorial Board, *JSM Atherosclerosis*
- Member, Editorial Board, SM Journal of Endocrinology and Metabolism

Liang Xie, Ph.D.

- Member, Editorial Board, Frontiers in Cardiovascular Medicine

OTHER SIGNIFICANT ACCOMPLISHMENTS**Christie Ballantyne, M.D.**

- Invited speaker at AHA, American College of Cardiology (ACC), European Society of Cardiology (ESC), European Atherosclerosis Society (EAS), National Lipid Association (NLA), American Diabetes Association (ADA)
- Co-Chair of Cardiometabolic Health Conference
- Planning Committee Member, ACC Heart House Roundtable on Navigating Treatment Decisions for Patients with Atherosclerotic Cardiovascular Disease (ASCVD) and Multiple Comorbidities
- Expert Panel Discussant for the ACC: The Role of Triglycerides in ASCVD Risk

Katarzyna Cieslik, Ph.D.

- Invitation to serve as a member of the Cardiac Contractility, Hypertrophy, and Failure Study Section, NIH (July 01, 2020, to June 30, 2024)
- Temporary member of the Cardiac Contractility, Hypertrophy, and Failure Study Section, NIH (March and June 2020)

Mark Entman, M.D.

- Invited Speaker Michael E. DeBakey Veterans Affairs Medical Center (MEDVAMC)/Center for Translational Research on Inflammatory Diseases Research Seminar Series, "A Tale of Two Fibroblasts," September 26, 2019
- Mentor – MeRIT Program (Medical Resident Investigator Track)
- AHA Career Development Award Basic Sciences 2 Review Panel, February 2020
- NIH Special Emphasis Panel Study Section, April 2020

Na Li, Ph.D.

- Invited talk, "Activation of inflammasome promotes cardiac arrhythmias," Cell Biology, Neuroscience and Physiology track seminar series
- Invited talk, "Role of the inflammasome in AF: new evidence for targeting inflammation," American Heart Association Scientific Sessions 2019
- Invited talk, "Activation of cardiac inflammasome promotes cardiac arrhythmias," UC Davis Cardiovascular Symposium
- Invited talk (cancelled because of COVID-19), "Inflammasome and atrial fibrillation," American Society for Pharmacology and Experimental Therapeutics Annual Meeting at Experimental Biology 2020
- Invited talk (cancelled because of COVID-19), "Cardiomyocyte inflammasome signaling," Heart Rhythm Society 2020

- NIH Electrical Signaling, Ion Transport and Arrhythmias Study Section (ad hoc; October 2019 and June 2020)
- Chair, CVRI Education and Training Committee
- Course director, GS-DD-6401, Advanced Topics in Cardiovascular Physiology, BCM

Vijay Nambi, M.D., Ph.D.

- Writing group for “Recommendations for the Assessment of Carotid Arterial Plaque by Ultrasound for the Characterization of Atherosclerosis and Evaluation of Cardiovascular Risk: from the American Society of Echocardiography”

Vinod Vijayan, Ph.D.

- Grant review committee member for Oklahoma Center for the Advancement of Science and Technology, Health Research Program Grants

Salim Virani, M.D., Ph.D.

- International Advisor for the Aga Khan University Pakistan Initiative for Non-Communicable Diseases
- Faculty Discussant, American Society for Preventive Cardiology (ASPC) Webinar on the 2019 ACC/AHA Guideline on the Primary Prevention of Cardiovascular Disease
- Planning Committee Member, ACC’s Heart House RoundTable “LDL & Beyond: Emerging Management Strategies for Patients with Dyslipidemia”
- Faculty representative for the AHA: Live Twitter Chat on “Managing Cholesterol in Latino Communities”
- Faculty, 23rd Annual Hypertension, Diabetes, and Dyslipidemia Conference
- Faculty 2019 ASPC Congress
- Faculty, 9th Annual Primary Care Fall Conference
- Faculty, 10th Annual Essentials in Primary Care Fall Conference
- Panel Discussant, Annual Scientific Sessions of the AHA
- Invited Presenter at the Oklahoma State University
- Planning Committee Member, ACC Heart House Roundtable on Navigating Treatment Decisions for Patients with ASCVD and Multiple Comorbidities
- Faculty Presenter, Section of Cardiology Grand Rounds, Washington University in St. Louis
- Faculty, 8th Annual Essentials in Primary Care Fall Conference
- Faculty, Virtual Annual Scientific Sessions of the ACC Together with World Congress of Cardiology
- Keynote Speaker, Annual Big Data Scientist Training Enhancement Program (BD-STEP) Meeting, Department of Veterans Affairs 3/27/2020
- Faculty, 14th Annual Primary Care Spring Conference
- Panelist, Houston Methodist DeBakey Center Live Webinar on CVD Prevention: Emerging Epidemics of Acute Myocardial Infarctions (MI) & Stroke in the Young in the USA: New Frontier of CVD Prevention
- Faculty, 11th Annual Essentials in Primary Care Summer Conference

- Expert Panel Discussant for the ACC: The Role of Triglycerides in ASCVD Risk
- Chair, Global NCD Academy of the American College of Cardiology and Faculty Contributor for the module on “Risk Stratification and Practical Approaches to Cholesterol Management”
- Panel Discussant: Emerging Epidemics of Acute MI & Stroke in the Young: New Frontier for CVD Prevention

Huaizhu Wu, Ph.D.

- Invited lecture, "Diets, inflammation, and atherosclerosis," Zhongshan School of Medicine, Sun Yat-Sen University
- Invited lecture, "Dietary and pharmacological fat and cardiovascular disease," 12th Sun Yat-Sen International Cardiovascular Disease Forum
- Invited lecture, "Metabolic inflammation and insulin resistance in obesity," Shanghai Institute of Nutrition and Health, Chinese Academy of Science
- Invited lecture, "Metabolic inflammation in obesity," Chinese American Diabetes Association (virtual)
- Member, qualifying exam committee, Immunology/Microbiology Graduate Program, BCM
- Member, qualifying exam committee, TBMM program, BCM
- Interviewer for candidate applicants in Immunology/Microbiology graduate program, BCM
- Session chair, 12th Sun Yat-Sen International Cardiovascular Disease Forum, Guangzhou, Guangdong, China, Nov. 29-Dec. 1, 2019

RESEARCH ACTIVITIES

Grants

Christie Ballantyne, M.D.

- Profiling Cardiovascular Events and Biomarkers in the Very Old to Improve Personalized Approaches for the Prevention of Cardiac and Vascular Disease; NIH
- Diabetes and Pre-Diabetes in Older Adults; NIH
- Atherosclerosis Risk in Communities (ARIC) Study—Field Centers; NIH
- Mapping the Progression to HFpEF in the Elderly through Longitudinal Changes in Cardiac Function; NIH
- Elucidating the Role of Adipokines in Mediating and Predicting HF Associated with Obesity; NIH
- Clonal Hematopoiesis in Humans: Determinants of Development and Progression; NIH
- ARIC Neurocognitive Study (ARIC-NCS) Renewal
- The Importance of Adipokines in Mediating the Relationship of Obesity with Cardiometabolic Health and Diabetes: Implications for Subclinical and Clinical Heart Failure; American Heart Association
- Regulation of Type 1 Inflammation in Diet-Induced Obesity; NIH
- The Familial Hypercholesterolemia Foundation CASCADE-FH Registry; Duke University

- 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.
- Using hs-cTnI and NT-proBNP to Personalize Blood Pressure Treatment Goals: A Systolic Blood Pressure Intervention Trial (SPRINT) Substudy; Abbott Laboratories
- 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
- Multi-Center Cross-Sectional Epidemiological Study to Characterize the Prevalence and Distribution of Lipoprotein(a) Levels among Patients with Established Cardiovascular Disease; Novartis Pharmaceuticals
- A Randomized Double-Blind, Placebo-Controlled, Multicenter Trial Assessing the Impact of Lipoprotein(a) Lowering With TQJ230 On Major Cardiovascular Events in Patients with Established Cardiovascular Disease; Novartis Pharmaceuticals
- A Double-Blind, Randomized, Placebo-Controlled Phase 2 Study to Evaluate Efficacy, Safety, and Tolerability of AMG 890 (a GalNac-Conjugated Small Interfering RNA [siRNA]) in Subjects with Elevated Lipoprotein(a); Amgen, Inc.

Miguel Cruz, Ph.D.

- Collaborative research training in thrombosis and inflammation; NIH
- Novel treatment for DIC; NIH
- Role of vimentin in thrombosis and stroke; NIH
- Microvascular thrombosis in systemic inflammation; NIH
- Von Willebrand factor in traumatic brain injury and associated coagulopathy

John Foreyt, Ph.D.

- Action for Health in Diabetes (Look AHEAD); NIH

Sandra Haudek, Ph.D.

- Wellness Initiative Supporting Health (WISH) grant, Department of Medicine, BCM

Na Li, Ph.D.

- The Role of Inflammasome in the Pathogenesis of Atrial Fibrillation; NIH
- Mechanisms underlying atrial fibrillation associated with chronic kidney disease; NIH
- Novel roles of Fe²⁺ and 2-oxoglutarate-dependent dioxygenases in cardiac function; NIH
- Pitx2 in Atrial Fibrillation; NIH
- ER Stress in Tango2-Related Metabolic Encephalopathy and Arrhythmias; NIH
- Therapeutic Effect of Inflammasome Inhibition in Cardiac Diseases; BioIntervene Inc.

Vijay Nambi, M.D., Ph.D.

- Biomarker guided therapies in Stage A/B Heart Failure; VA
- Profiling Cardiovascular Events and Biomarkers in the Very Old to Improve Personalized Approaches for the Prevention of Cardiac and Vascular Disease; NIH

Vinod Vijayan, Ph.D.

- Microvascular Thrombosis in Systemic Inflammation; NIH
- SleepHab: Effectiveness of Healthy Sleep Habits for Hospitalized Older Adults to Optimize Rehabilitation; NIH

Salim Virani, M.D., Ph.D.

- Determining and Targeting Reasons for Low Statin Use to Improve Guideline-Concordant Statin Therapy in High-Risk Patients (IIR 16-072); VA HSR&D
- A CLUB-Based MEDication Delivery Strategy for Patients with Hypertension in Nigeria (CLUBMEDS): A Feasibility Study; World Heart Federation
- Improving Guideline-Based Care in Pakistan Using Digital Health Solutions; The Jooma and Tahir Family
- Optimizing Renin Angiotensin System Blocker Use among Veterans with Kidney Disease; VA HSR&D
- Effectiveness of Telehealth to Adequately Manage ACSC such as Admission for congestive heart failure

Huaizhu Wu, Ph.D.

- Macrophage/Dendritic Cell Activation and Inflammation in Diet-induced Obesity; ADA
- Monocyte Activation and the Role of CD11c in Obesity-Linked Metabolic Syndrome; NIH
- Regulation of Type 1 Inflammation in Diet-Induced Obesity; NIH

Publications

- American Heart Journal (IF **4.153**): 5
- American Journal of Cardiology (IF **2.570**): 10
- American Journal of Cardiovascular Drugs (IF **2.674**): 1
- American Journal of Epidemiology (IF **4.526**): 2
- American Journal of Hypertension (IF **2.669**): 1
- American Journal of Kidney Diseases (IF **6.653**): 1
- American Journal of Medicine (IF **4.760**): 5
- American Journal of Preventive Cardiology (IF **NA**): 1
- Arteriosclerosis, Thrombosis, and Vascular Biology (IF: **6.618**): 2
- Atherosclerosis (IF **3.919**): 1
- Basic Research in Cardiology (IF **11.981**): 1
- Blood Advances (IF **4.584**): 1
- BMJ Open (IF **2.496**): 2
- Canadian Journal of Cardiology (IF **5.000**): 1
- Cancer Research (IF **9.727**): 1
- Cardiology and Therapy (IF **NA**): 1
- Cardiovascular Diagnosis and Therapy (IF **2.615**): 1
- Cardiovascular Endocrinology & Metabolism (IF **0.590**): 1
- Cardiovascular Revascularization Medicine (IF **1.470**): 1
- Chronicle of Mentoring & Coaching (IF **NA**): 1
- Circulation (IF **23.054**): 12

- Circulation: Cardiovascular Imaging (IF **5.813**): 1
- Circulation: Cardiovascular Quality and Outcomes (IF **4.378**): 4
- Circulation Research (IF **15.862**): 3
- Clinical Cardiology (IF **2.248**): 2
- Cureus (IF **NA**): 1
- Current Atherosclerosis Reports (IF **4.608**): 5
- Current Cardiovascular Risk Reports (IF **0.630**): 1
- Current Diabetes Reviews (IF **2.210**): 2
- Diabetes Care (IF: **16.019**): 5
- European Heart Journal (IF **22.673**): 1
- European Journal of Preventive Cardiology (IF **5.640**): 2
- Expert Opinion on Investigational Drugs (IF **4.031**): 1
- Expert Review of Cardiovascular Therapy (IF: **1.90**):1
- Global Heart (IF: **3.862**): 1
- Heart Rhythm (IF **5.731**): 1
- Hepatology (IF **14.679**): 1
- International Journal of Obesity (IF **4.419**): 1
- JACC Cardiovascular Imaging (IF **12.746**): 2
- JACC Case Reports (IF **NA**): 1
- JACC Heart Failure (IF **8.75**): 1
- JAMA (IF **51.3**): 1
- JAMA Cardiol (IF **11.9**): 1
- JAMA Network Open (IF **5.032**): 2
- Journal of Applied Laboratory Medicine (IF **NA**): 1
- Journal of Clinical Endocrinology & Metabolism (IF **5.605**): 1
- Journal of Clinical Lipidology (IF **3.860**): 5
- Journal of Hypertension (IF **4.17**): 1
- Journal of Medical Economics (IF **1.958**): 1
- Journal of Molecular Biology (IF **4.760**): 1
- Journal of the American College of Cardiology (IF **20.589**): 10
- Journal of the American Geriatric Society (IF **4.18**): 2
- Journal of the American Heart Association (IF **4.660**): 10
- Journal of the American Society of Echocardiography (IF **5.508**): 2
- Mayo Clinic Proceedings (IF **6.942**): 1
- Medical Science Educator (IF **NA**): 1
- Nature Communications (IF **11.880**): 1
- New England Journal of Medicine (IF **74.699**): 1
- Obesity (IF **3.742**): 2
- Obesity Science & Practice (IF **2.062**): 1
- Postgraduate Medicine (IF **1.911**): 1
- Preventive Medicine (IF **3.788**): 1
- Progress in Cardiovascular Diseases (IF **6.763**): 1
- Pulmonary Circulation (IF **2.283**): 1
- Scientific Reports (IF **4.011**): 1
- Sleep and Breathing (IF **2.162**): 1
- Telemedicine and e-Health (IF **1.931**): 1
- Texas Heart Institute Journal (IF **0.758**): 1
- Vascular Health and Risk Management (IF **2.620**): 1

Books and Book Chapters

Christie Ballantyne, M.D.

- 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

Salim Virani, M.D., Ph.D.

- Khalid MU, Virani SS. Prevention: Atherosclerotic Cardiovascular Disease Risk Assessment, 2019 Update. In: Kuvin JT (ed). *Adult Clinical Cardiology Self-Assessment Program (ACCSAP)*. ACC, 2019. Accessible online at <http://www.acc.org/accsap>
- Khalid MU, Virani SS. Prevention: Atherosclerotic Cardiovascular Disease Risk Assessment. In: Kuvin JT (ed). *Adult Clinical Cardiology Self-Assessment Program (ACCSAP)*. ACC, 2020. Accessible online at <http://www.acc.org/accsap>

PRESS

Christie Ballantyne, M.D.

- Houston Chronicle, interview on cholesterol disorders, role of genetics, and link with cardiovascular disease. (Sep. 2019)
- Wall Street Journal, interview on bempedoic acid. (Dec. 2019)
- GlobalData, interview on familial hypercholesterolemia. (Jan. 2020)
- Washington Post, interview on bempedoic acid. (Feb. 2020)
- MD Magazine, interview on bempedoic acid. (Feb. 2020)
- Cardiology Today, interview on lipid management and residual risk. (Mar. 2020)

Vijay Nambi, M.D., Ph.D.

- Houston Matters (Houston Public Media, NPR affiliate), interview on American Heart Month. (Feb. 2020)

Salim Virani, M.D., Ph.D.

- Cardiology Today, "Guideline-based statin use, adherence higher with cardiologist care." (Aug. 2019)
- AHA News, "Tiring easily may warn of future heart trouble." (Aug. 2019)
- Washington Post, "Heart disease progress is slowing or stalling, study says. Obesity is likely to blame." (Aug. 2019)
- Medscape, "New AHA/ACC Performance and Quality Statement on Hypertension." (Nov. 2019)
- MedPage Today, "High tech brought to bear on high triglycerides—RNA interference agents pass early test in healthy volunteers." (Nov. 2019)
- KTRH, "Fewer heart attacks. Fewer strokes." (Nov. 2019)
- Everyday Health, "Diabetes nearly doubles the risk of heart failure." (Jan. 2020)

- U.S. News & World Report, "Millions of Americans with heart disease use pot, bringing potential harm." (Jan. 2020)
- KCBS, interview on marijuana and risk of cardiovascular disease. (Jan. 2020)
- Doctor Radio/SiriusXM, interview on the study "Variation and Disparities in Awareness of Myocardial Infarction Symptoms Among Adults in the United States." (Jan. 2020)
- Cardiology Today, "AHA aims to increase healthy life expectancy by 2030." (Jan. 2020)
- Cath Lab Digest, "American College of Cardiology to offer interactive, on-demand education resource to support optimal NCD care." (Jan. 2020)
- The Manual, "It's time to start thinking about your heart health." (Feb. 2020)
- Houston Chronicle, "New coronavirus can cause cardiovascular issues in serious cases, study shows." (Mar. 2020)
- AHA FIT News, "Faculty for fellows: COVID19." (Mar./Apr.2020)
- BBC Mexico, "Obesidad: oculta epidemia que pone en jaque a Estados Unidos y México. (Apr. 2020)
- Modern Healthcare, "Doctors may be wrongly treating heart attacks in COVID-19 patients." (Apr. 2020)
- TCTMD, "COVID-19 lockdown inactivity may spell trouble for CVD prevention." (Apr. 2020)
- HealthCentral, "The stress of coronavirus is triggering your flare." (May 2020)
- HealthCentral, "Navigating COVID-19 re-openings if you're high risk." (May 2020)
- TCTMD, "Azithromycin again linked to higher CV mortality risk." (Jun. 2020)

CENTERS

Center for Cardiometabolic Disease Prevention

The Center for Cardiometabolic Disease Prevention expands the scope and depth of research, clinical, and educational activities related to the prevention and treatment of atherosclerotic cardiovascular disease with a goal of improving cardiometabolic health and promoting healthy aging. The Center includes faculty in the Division of Atherosclerosis and Vascular Medicine as well as the Section of Endocrinology, Diabetes, and Metabolism to target the interrelated risk factors of cardiometabolic disease. Christie Ballantyne, M.D., is the director.

Cardiometabolic diseases such as cardiovascular disease and diabetes are associated with a common constellation of risk factors, including dyslipidemia, hypertension, obesity, inflammation, and insulin resistance. In addition, diabetes is a risk factor for cardiovascular disease, and cardiovascular disease is the most common cause of death in individuals with diabetes. Because of their shared etiology, cardiometabolic diseases require a coordinated approach for effective prevention and treatment.

Patient care encompasses the spectrum of cardiometabolic health and disease, and researchers in the Center investigate biomarkers in known and potential causal pathways of cardiometabolic disease to identify additional risk factors that may lead to development of novel therapeutic targets. The

collaborative environment provides trainees with a broad range of experiences and a solid foundation in all aspects of cardiometabolic disease.

Major Accomplishments

The Center is involved in two studies applying genomics for a more personalized approach both to evaluate and to treat lipid disorders and has started several new trials using monoclonal antibodies, antisense oligonucleotides, and small interfering RNA novel therapies for difficult-to-treat lipid disorders. Drs. Ballantyne, Nambi, and Virani have received recognition as “Best Doctors.”

Center Faculty

Ashok Balasubramanyam, M.D.
Christie Ballantyne, M.D.
John Foreyt, Ph.D.
Ron Hoogeveen, Ph.D.
Peter Jones, M.D.
Na Li, Ph.D.

Hua Mao, Ph.D.
Vijay Nambi, M.D., Ph.D.
Xinchun Pi, Ph.D.
Salim Virani, M.D., Ph.D.
Huaizhu Wu, M.D.
Liang Xie, Ph.D.

TEACHING ACTIVITIES

Katarzyna Cieslik, Ph.D.

- GS-DD-6210 term 3: Cardiovascular Diseases; taught "Inflammation of the Heart"
- GS-DD-6401 term 4: Advanced Topics in Cardiovascular Physiology; taught "Cardiac Fibrosis," "Inflammation and Myocarditis"

Miguel Cruz, Ph.D.

- Graduate school lectures in CVD Pathology: "Hemostasis–Coagulation" and "Acquired bleeding/coagulation disorders"

Sandra Haudek, Ph.D.

- Course Director, Foundations Basic to the Science of Medicine, School of Medicine
- Director, Peer Coaching for Educators Program
- Team Launch Master Facilitator
- Program Director, Improving Mentoring Relationships
- Faculty Senator, School of Medicine
- Vice-Chair, Curriculum and Education Faculty Senate Subcommittee
- Co-Chair, Cardiovascular Research Institute (CVRI) Education and Training Committee.
- Chair, TEACH-S Regional Educational Conference
- Chair, Academy of Distinguished Educators Annual Showcase
- Chair, Henry JN Taub & James K Alexander Medical Student Research Symposium
- Member, Vice Chair Group for Faculty and Staff Development
- Member, Academy of Distinguished Educators Executive Steering Committee
- Member, Curriculum Committee, School of Medicine

- Member, Admission Committee, School of Medicine
- Member, Foundational Sciences Subcommittee, School of Medicine
- Many teaching activities in addition to these leadership roles

Na Li, Ph.D.

- GS-GS-5101 Responsible Conduct of Research, BCM
- Group discussion facilitator (1-hour class)
- GS-GS-5122 – Powerful Presentations, BCM
- Group discussion facilitator and one-on-one presentation tutor (total 10.5- hours)
- GS-DD-6210- Cardiovascular Diseases, BCM
- Lecture: Cardiomyopathies and Heart Failure (1-hour class)
- GS-DD-6401-Advanced Topics in Cardiovascular Physiology, BCM
- Lecture 1: Electrophysiology of Cardiac Cells (1-hour class)
- Lecture 2: Atrial Fibrillation (1-hour class)

Vijay Nambi, M.D., Ph.D.

- Medical student lecture
- Graduate student lecture
- Resident and fellow lecture and clinical teaching

Xinchun Pi, Ph.D.

- GS-DD-6402: Advanced Topics in Cardiovascular Disease Pathogenesis

Salim Virani, M.D., Ph.D.

- Director, Cardiovascular Disease Fellowship Training Program, BCM
- Lectures to cardiology fellows and graduate students
- Co-Director, VA Advanced Fellowship in Health Services Research & Development at MEDVAMC
- Topic Coordinator (Prevention Pathway), Annual Scientific Sessions of the ACC/World Congress of Cardiology 2020
- Chair, Global NCD Academy of the ACC and Faculty Contributor for the module on "Risk Stratification and Practical Approaches to Cholesterol Management"

Huaizhu Wu, M.D.

- "Lipoproteins, monocytes, macrophages, and atherosclerosis" lecture, Section of Cardiovascular Research, Department of Medicine, BCM
- "Monocyte/macrophages and atherosclerosis" lecture, GS-DD-6402: Advanced Topics in Cardiovascular Disease Pathogenesis, BCM

SECTION OF ENDOCRINOLOGY, DIABETES AND METABOLISM



INTERIM SECTION CHIEF

Marco Marcelli, M.D.

The year 2020 has been another outstanding one for the section of Endocrinology, Diabetes and Metabolism. This year, the output of new papers has increased from 39 to 63. Our faculty have published in some of the top scientific journals, including *Molecular Cell*, *Nature Medicine*, *PNAS*, *JCI*, and some of the top journals related to our discipline, including *Diabetes*, *Diabetes Care*, *Diabetologia*, and the *Journal of Bone and Mineral Research*. In 2020, our faculty were awarded two additional federal grants from the National Institutes of Health (NIH) and the Veterans Administrations. Thanks to this, we now rank second in NIH-funded grants awarded to the Department of Medicine's sections and centers. We have submitted what we think is a very competitive application for a P30 Nutrition and Obesity Research Center grant, with Dr. Dennis Villareal as PI. This is a difficult grant to obtain, as another currently funded national center has to be knocked out for it to be awarded to BCM. We feel very good about our effort and the department's strong support during the

18 months of work that preceded the application.

Sadly, on April 9, 2020, our beloved colleague and senior faculty member Dr. Alan Garber passed away. Dr. Garber was a world-famous diabetologist, author of 350 peer-reviewed publications, as well as book chapters and monographs on diabetes and its complications. One of his many contributions to the treatment of diabetes was providing clinical trial designs and evidence that finally convinced the U.S. Food and Drug Administration of the safety of metformin, which led to its approval to be utilized in the USA. Metformin has been the # 1 most used drug for diabetes in the USA for the last several years.

It is evident our faculty remains committed to advance the science and clinical practice of endocrinology, diabetes & metabolism to the next level, despite these trying times. Please enjoy the following annual report for FY20, and thank you for your interest.

A handwritten signature in black ink that reads "Marco Marcelli".

Marco Marcelli M.D.

Interim chief

Section of Endocrinology, Diabetes & Metabolism

HIGHLIGHTS

- Dr. Dennis Villareal received the prestigious Michael E. DeBakey Excellence in Research award.
- The renowned "Endocrine University" was brought to Houston by our faculty member Dr. Susan Samson, the co-chair of this national conference. Almost 300 first-year endocrinology fellows attended the meeting, which is focused on endocrinology skills.
- Dr. Samson was also the chair of the American Association of Clinical Endocrinologists' (AACE) Annual Meeting, which was held in Los Angeles, CA.
- Six members of our section have been promoted: Dr. Pradip Saha and Zheng Sun to Associate Professor, Dr. Nalini Ram to Professor and Drs. Maria Acevedo, Richard Cox, and Zhou Wenjung to Instructor.
- Three outstanding women of our section received the BCM Women of Excellence Award: Drs. Nalini Ram, Susan Samson, and Madhuri Vasudevan.
- Dr. Zheng Sun was awarded the Young Investigator Award from the Chinese-American Diabetes Association.
- The Section of Endocrinology, Diabetes and Metabolism is home to a new national Center for the Study of Atypical Diabetes, which will conduct RADIANT (Rare and Atypical Diabetes Network) at 15 sites around the country. The design of RADIANT permits involvement of all faculty and fellow physicians within the section, and provides considerable resources for their career advancement (active participation in a precision medicine initiative, learning to order and interpret detailed genomic and phenotypic workup of their patients, opportunities for publications and presentations). It also provides an opportunity for sustained enhancement of the section's national reputation in precision diabetes.
- The Section of Endocrinology, Diabetes and Metabolism organized the 18th Annual Symposium on Advanced Diabetes Management for Endocrine Fellows under the directorship of Alan Garber, M.D.

FACULTY

Section Leadership

- Mandeep Bajaj, M.D. – Medical Director, Faculty Group Practice
- Siripoom McKay, M.D. – Medical Director, Young Adult Diabetes Clinic
- Nalini Ram, M.B., B.S. – Medical Director, Ben Taub Medical Center
- Susan Leanne Samson, M.D., Ph.D. – Fellowship Director

Faculty

Primary

- Maria Acevedo, Ph.D.
- Neeti Agarwal, Ph.D.
- Mandeep Bajaj, M.D.
- Ashok Balasubramanyam, M.B.B.S.
- Jasmine Boparai, M.B.B.S.
- Rui Chen, M.D.
- Richard Cox, Ph.D.
- Emilia Cordero, M.S.

- Nancy Greta Rene Dufrane, M.P.H., M.S.N.
- Ruchi Gaba, M.B.B.S.
- Alan Garber, M.D., Ph.D.
- Sean Hartig, Ph.D.
- Bryan Jiang, M.D.
- Marco Marcelli, M.D.
- Siripoom McKay, M.D.
- Sanjay Navin Mediwala, M.D.
- Ha Nguyen, M.D.
- Massimo Pietropaolo, M.D.
- Nalini Ram, M.B.B.S.
- Pradip Saha, Ph.D.
- Susan Leanne Samson, M.D., Ph.D.
- Rajagopal Viswanath Sekhar, M.B.B.S.
- Zheng Sun, Ph.D.
- Madhuri Vasudevan, M.D., M.P.H.
- Dennis Villareal, M.D.
- Reina Villareal, M.D.
- Li Zhang, M.D., Ph.D., M.Sc.

- Wenjun Zhou, Ph.D.

Secondary

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

Adjunct

- Fareed Elhaj, M.D.
- Robert Gagel, M.D.
- Jose Manuel Garcia, M.D., Ph.D.
- Dinakar Iyer, Ph.D., M.S.
- Medhavi Jogi, M.D.
- Steven Sherman, M.D.
- Vijay Yechoor, M.B., B.S.

HONORS AND ACHIEVEMENTS

Richard Cox, Ph.D.

- Oral presentation, American Diabetes Association Meeting, June 2020
- Pilot Award, Nutrition and Obesity Research Center Pilot & Feasibility Award

Ruchi Gaba, M.B.B.S.

- Led the Thyroid Hands-On Practicum at the Endocrine University, Feb 16th 2020

Sean Hartig, Ph.D.

- 2020 Texas Academy of Medicine, Engineering, Science, and Technology Protégé
- Texas Heart Institute Cardiovascular Seminar Series, 01/2020, Host: AJ Marian
- Ad hoc reviewer for Endocrinology, Cell Death and Disease, Molecular Metabolism, American Journal of Physiology-Endocrinology and Metabolism, Diabetes, JCI Insight, Nature Metabolism

Brian Jiang, M.D.

- Fellowship Teaching Award 2019-2020

Sanjay Navin Mediwala, M.D.

- Teaching award from Endocrine fellowship graduating class of 2019
- Accepted into Baylor's Master Teacher Fellowship Program

Nalini Ram, M.B.B.S.

- Promotion to Professor of Medicine: October 2019
- Women of Excellence BCM 2019
- America's Best Physicians 2019-2020
- Exceptional Women in Medicine Castle Connolly Awards 2019

Zheng Sun, Ph.D.

- Young Investigator Award, Chinese-American Diabetes Association
- John S. Dunn Collaborative Research Award, Gulf Coast Consortia
- Clifford Elder White Graham Endowed Research Award

Dennis Villareal, M.D.

- 2020 Michael E. DeBakey Excellence in Research Award

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

Ashok Balasubramanyam, M.B.B.S.

- Chair, Endocrinology and Metabolism Board, American Board of Internal Medicine
- Council Member, American Board of Internal Medicine
- Member, American Clinical and Climatological Association

Richard Cox, Ph.D.

- Member, American Diabetes Association
- Member, Endocrine Society

Ruchi Gaba, M.B.B.S.

- Planning Committee, Local Texas AACE chapter, August 2019
- AACE Diabetes, Obesity and Nutrition and Thyroid Disease network member – May 2019-present
- Reviewer for educational content related to neck ultrasound for National AACE (American College of Endocrinology) – May 2020 and case report CME/MOC questions as a part of National AACE Education Projects, February 2020
- National AACE Annual Meeting Abstract Subcommittee member for reviewing abstract submissions for E-poster or oral presentations, December 2019

Sean Hartig, Ph.D.

- Member, American Diabetes Association
- Member, American Heart Association
- Member, Endocrine Society
- Faculty, The Endocrine Society Career Development Workshop
- Abstract reviewer, The Endocrine Society's 102nd Annual Meeting, San Francisco, CA
- Ad-hoc member, NIH Center for Scientific Review (CSR) Diabetes, Endocrinology and Metabolic Diseases B Subcommittee Study Section

- Ad-hoc member, Chair, NIH/NIAAA CSR Special Emphasis Panel ZAA1 JJ(01)
- Ad-hoc member, Peer Review, Medical Research Council, United Kingdom Research and Innovation

Marco Marcelli, M.D.

- Member: Endocrine Society
- Fellow: Southern Society Clinical Investigation
- Director: BCM committee to organize Endocrine Grand Rounds
- Member: DoM FAP committee

Massimo Pietropaolo, M.D.

- Chair NIH study section: “Biomarkers for Diabetes, Digestive, Kidney and Urologic Diseases Using Biosamples from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) Repository (R01),” June 2020
- Reviewer for the NIDDK Diabetes, Endocrinology and Metabolic Diseases B Subcommittee Study Section (T32, K99/R00, K01, and R03 awards), October 2019
- Chair, Immunology Sessions, Planning Committee, 2019 American Diabetes Association National Conference

Nalini Ram, M.B.B.S.

- Endocrine Society
- AACE
- American Diabetes Association

Susan Leanne Samson, M.D., Ph.D.

- Elected Secretary of the Executive Council of the AACE (2020-2021) and Board of Trustees of the American College of Endocrinology. AACE has 6,500 members in the US and 99 other countries, AACE is a professional community of physicians specializing in endocrinology, diabetes, and metabolism committed to enhancing the ability of its members to provide the highest quality of patient care.
 - AACE Finance Committee
 - AACE Annual Meeting Committee, Advisor as Past Annual Meeting Chair 2019-2020
 - AACE Fellows’ Education Committee
 - Co-Chair, Endocrine University 2019-2020
 - AACE Education Oversight Committee
 - Editor, Endocrine Society, Residency Curriculum Committee
- Accreditation Council for Graduate Medical Education, Endocrinology, Diabetes, and Metabolism Milestones 2.0 Taskforce
- American Board of Internal Medicine, Item Writing Taskforce
- Elected Secretary-Treasurer of the Association of Program Directors for Endocrinology and Metabolism (2019-2020)
 - Chair, Finance Committee
 - Section Editor, Fellows’ Curriculum in Bone and Metabolism

- APDEM COVID-19 Task Force, Shared Curriculum Sub-committee

Dennis Villareal, M.D.

- The Endocrine Society
- Charter Member, AACE
- American Society for Bone and Mineral Research
- Research Grants Reviewer, American Diabetes Association
- Fellow, Gerontological Society of America
- American Geriatrics Society
- Fellow, American College of Physicians

Reina Villareal, M.D.

- American Society for Bone Mineral Research
- Endocrine Society
- AACE

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Ruchi Gaba, M.B.B.S.

- Reviewer for Journal: *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*

Sean Hartig, Ph.D.

- Editorial Board, *Diabetes*

Marco Marcelli, M.D.

- Editorial Board, *Journal of Investigative Medicine*

Massimo Pietropaolo, M.D.

- Associate Editor, *Diabetes*
- Associate Editor, *Current Diabetes Reports*
- Academic Editor, *PLoS ONE*
- Editorial Board Member, *American Journal of Clinical and Experimental Immunology*
- Editorial Board Member, *Autoimmunity Highlights*
- Editorial Board Member, *Clinical Diabetes and Endocrinology*

Susan Leanne Samson, M.D., Ph.D.

- Editorial Board Member, *Endocrine Today*
- Editorial Board Member, *Pituitary*

Zheng Sun, Ph.D.

- Editor, Research Topic: Type 2 Diabetes Management: A Focus on Metabolic Defects. *Frontiers in Physiology*

Dennis Villareal, M.D.

- Academic Editor, *Current Developments in Nutrition*
- Associate Editor, *Journal of Nutrition in Geriatrics and Gerontology*

- Associate Editor, *Journal of Gerontology – Medical Science*
- Editorial Board Member, *Journal of Nutrition in Health and Aging*

Reina Villareal, M.D.

- Associate Editor, *Frontiers in Endocrinology*

OTHER SIGNIFICANT ACCOMPLISHMENTS

Nalini Ram, M.B.B.S.

- Inducted into BCM Curriculum Renewal Workgroup in November 2019

RESEARCH

Grants and Contracts

Ashok Balasubramanyam, M.B.B.S.

- NIH, R01-DK104832 05, (MPI) YEAR 5: Role of Islet Injury and Autoimmunity in T2D Beta Cell Dysfunction
- NIH, R01-DK104832 05, (MPI) YEAR 5: Role of Islet Injury and Autoimmunity in T2D Beta Cell Dysfunction
- NIH, R01-DK104832 05 Lunds-Lernmark, (MPI) YEAR 5: Role of Islet Injury and Autoimmunity in T2D Beta Cell Dysfunction

Sean Hartig, Ph.D.

- American Diabetes Association, 1-18-IBS-105-Hartig, A MicroRNA Rheostat Regulates Fuel Utilization
- American Diabetes Association, 1-18-IBS-105-Hartig Year 3, A MicroRNA Rheostat Regulates Fuel Utilization
- NIH, NIH NIDDK R01DK114356 (Parent R01), An anti-diabetic microRNA that promotes metabolically healthy obesity
- NIH, NIH NHLBI R01HL144775 (Parent R01), Mechanisms of sex differences in neonatal pulmonary oxygen toxicity
- NIH, NIH NIDDK R01DK121348 (Parent R01), Regulation of type I inflammation in diet-induced obesity

Massimo Pietropaolo, M.D.

- NIH, R01-DK053456 17, YEAR 17: Enhancement of Biomarkers for Type 1 Diabetes
- NIH, R01-DK053456 17 (UCD Amd 2), YEAR 17: Enhancement of Biomarkers for Type 1 Diabetes
- NIH, R01-DK053456 17 (UF Amd 2), YEAR 17: Enhancement of Biomarkers for Type 1 Diabetes
- NIH, R01-DK053456 17 (UV Amd 2), YEAR 17: Enhancement of Biomarkers for Type 1 Diabetes

- NIH, R01-DK053456 17 (UW Agree), YEAR 17: Enhancement of Biomarkers for Type 1 Diabetes
- NIH, R01-DK053456 17 (WMU Agree), YEAR 17: Enhancement of Biomarkers for Type 1 Diabetes
- New R01, Co-investigator, Received a score of 21

Zheng Sun, Ph.D.

- NIH, R01-ES027544-04, YEAR 4: Gender-Specific Effects of Arsenic in Diabetes
- NIH, R21-CA215591-02 NCE, NCE- De-Facto Target of Histone Deacetylase Inhibitors
- NIH, R01DK111436-03S1, Epigenomic Remodeling of Metabolism by Exercise through AP-1
- Dunn Research Award, John S. Dunn Foundation, Hormone memory: epigenomic impacts of estrogen exposure on later life metabolism
- Graham Research Award, Clifford Elder White Graham Fund, Exercise ameliorates muscular dystrophy through AP-1

Dennis Villareal, M.D.

- VA Merit grant renewal (CX002161) for another 4 years
- NIH grant (DK109950A): Does Lifestyle Intervention in Obese Older Adults Improve Bone Quality?

Reina Villareal, M.D.

- VA Merit grant (1 I01 CX001665-01A2)
- NIH grant: R01 HD093047

Li Zhang, M.D., Ph.D., M.Sc.

- Diabetes Action Research and Education Foundation 478, (NCE): Using an Antigen Specific Monoclonal Antibody to Modulate Islet Autoimmunity and Reprogram the Development of Type 1 Diabetes
- Juvenile Diabetes Research Foundation, 2-SRA-2018-648-S-B Amend 1_UCD_PO 7000000670, To Reprogram Type 1 Diabetes Using Insulin Pathogenic Register-Specific Chimeric Antigen Receptor Redirected Regulatory T Cells
- NIH, R03-AI139811-01A1, YR 1: Using Insulin Pathogenic Register-Specific Chimeric Antigen Receptor Redirected Regulatory T Cells to Modulate Type 1 Diabetes

Wenjun Zhou, Ph.D.

- American Diabetes Association, 1-19-PDF-012 Yr2, Regulation of Hepatic Insulin Sensitivity by Hypothalamic Circadian Clock

Publications

- Adipocyte (IF **1.580**): 2
- American Journal of Human Genetics (IF **9.924**): 2
- AIDS Research and Human Retroviruses (IF **1.805**): 1
- American Journal of Physiology-Cell Physiology (IF **2.992-4.406**): 2

- Autophagy (IF **9.770**): 1
- Biological Psychiatry (IF **11.501**): 1
- BMC Bioinformatics (IF **2.213**): 1
- Cell metabolism (IF **20.565**): 2
- Circulation (IF **23.603**): 1
- Clinical Imaging (IF **1.109**): 1
- Current Diabetes Reviews (IF **3.568**): 1
- Diabetes (Manuscript selected for cover) (IF **7.273**): 1
- Diabetes Care (IF **15.3**): 1
- Diabetes Technology and Therapeutics (IF **4.392**): 1
- Diabetologia (IF **7.113**): 1
- Endocrine (IF **3.878**): 2
- Endocrine Practice (IF **3.805**): 2
- Endocrinology (IF **3.961**): 2
- Epigenomics (IF **4.979**): 1
- Federation of American Societies for Experimental Biology Journal (IF **4.966**): 2
- Frontiers in Endocrinology (IF **3.644**): 4
- Frontiers in Physiology (IF **4.134**): 2
- Hepatology (IF **14.079**): 1
- Human Mutations (IF **5.359**): 1
- Journal of Clinical Investigation (IF **11.864**): 1
- Journal of Diabetes Science and Technology (IF **3.32**): 1
- Journal Investigative Medicine (IF **2.029**): 1
- Journal of General Internal Medicine (IF **4.606**): 1
- The Journal of Nutrition in Gerontology and Geriatrics (IF **1.03**): 1
- Journal of Bone and Mineral Research (IF **5.854**): 2
- Journal of Investigative Medicine (IF **2.029**): 1
- Journal of Molecular Medicine (IF **4.938**): 1
- Journal of Molecular Medicine (cover article) (IF **4.938**): 1
- Molecular Genetics & Genomic Medicine (IF **1.995**): 1
- Molecular Psychiatry (IF **12.384**): 2
- Nature Communications (IF **12.121**): 2
- Nature Medicine (IF **36.130**): 1
- Neurosurgery (IF **4.605**): 1
- Poster presented at American Diabetes Association (ADA) in June 2020 (IF **7.273**): 1
- Poster presented at ATA National meeting, Chicago, October 2019 (IF **5.515**): 1
- Postgraduate Medicine (IF **2.078**): 1
- Proceedings Baylor University. Medical Center (IF **N/A**): 1
- Proceedings National Academy of Sciences of the United States of America (IF **9.412**): 1
- Telemedicine and e-Health (IF **1.931**): 1
- The Lancet Diabetes & Endocrinology (IF **25.340**): 1
- Toxicology and Applied Pharmacology (IF **3.705**): 1
- Transactions of the American Clinical and Climatological Association (IF **.803**): 1
- Trends in Endocrinology and Metabolism (IF **11.641**): 1

Books and Book Chapters

Ashok Balasubramanyam, M.B.B.S.

- Handbook of Genetic Disorders: A Practical Approach – book chapter

Ruchi Gaba, M.B.B.S.

- Hyperaldosteronism (chapter 70) for *Conn's Current Therapy 2020*. Ruchi Gaba, M.D., Kim Jongoh, M.D., Lawrence Chan, M.D., October 2019.

Sanjay Navin Mediwala, M.D.

- Ortiz, G and Mediwala, Sanjay. "Chapter 14. Nontoxic Multinodular Goiter," In: *Surgical and Medical Management of Diseases of the Thyroid and Parathyroid*. (Shaha AR, Nathan C-AO, Fernandes JK, De Souza C, Joshi SR, eds.) San Diego, CA: Plural Publishing; 2020. Pp 194-200.

Nalini Ram, M.B.B.S.

- "Syndromes of ketosis prone diabetes mellitus" UpToDate 2020

Susan Leanne Samson, M.D., Ph.D.

- Shah B and Samson SL. 2020. Hyponatremia. In, *Conn's Current Therapy* (Bope ET and Kellerman RD, eds.), Elsevier.
- Winograd D, Mody AP, Balasubramanyam A, Samson SL. 2020. Genetics of diabetes and endocrine disorders. (Dhar S, Nagamani SS, Eble T, eds.) In, *Handbook of Clinical Adult Genetics and Genomics: A Practice-based Approach*, Academic Press.

PRESS

Ruchi Gaba, M.B.B.S.

- <https://www.nbcdfw.com/news/coronavirus/covid-patient-develops-new-symptoms-months-later-likely-tied-to-virus/2403180> . July 8, 2020
- Educational video on "Fatty liver and COVID" released online on Indian Doctors Association (IDA- Houston) website, May 2020

Susan Leanne Samson, M.D., Ph.D.

- [Interviewed](#) for an article for Endocrine Web regarding the potential of oral somatostatin analogue therapy for treating patients with acromegaly.
- [Interviewed](#) for Healio Endocrine Today regarding results of a multinational Phase III clinical trial (CHIASMA OPTIMAL Study) for oral octreotide capsules for patients with acromegaly.

Dennis Villareal, M.D.

- Aerobic Plus Resistance Exercise in Obese Older Adults Improves Muscle Protein Synthesis and Preserves Myocellular Quality Despite Weight Loss - <https://jrnclub.org/research-films/aging-exercise-protein>
- Resistance exercise may preserve bone in older obese dieters – <https://www.channelnewsasia.com/news/world/resistance-exercise-may-preserve-bone-in-older-obese-dieters-12181000>

- <https://dunyanews.tv/en/Health/523141-Resistance-exercise-may-preserve-bone-in-older-obese-dieters>
- <https://uk.reuters.com/article/us-health-elderly-dieting/resistance-exercise-may-preserve-bone-in-older-obese-dieters-idUKKBN1YG2NR>

SECTION OF EPIDEMIOLOGY AND POPULATION SCIENCES



INTERIM SECTION CHIEF

Chris 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 the 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 too diabetes, neurosciences and cardiovascular clinical science.
- Translate research to the scientific community, general public and beyond, including underserved monitories and high-risk communities.

A handwritten signature in black ink that reads "Chris Amos".

Chris Amos, Ph.D.
Professor of Medicine
Interim Chief, Epidemiology and Population Sciences
Baylor College of Medicine

HIGHLIGHTS

- **Dr. Amos** serves as the Principal Investigator for several grants. He leads the Integrative Analysis of Lung Cancer Risk and Etiology, which is focusing on identifying risk factors for lung cancer beyond smoking and developing biomarkers for early detection. He completed an analysis identifying a variant of the ATM gene that increases risk for lung cancer by about 5-fold in nonsmoking women and is rare in all populations except Ashkenazim, where it occurs in about 4% of individuals.
- He also leads a new grant studying familial lung cancer and an extension of the molecular characterization of screen detected lesions network. He is also serving as the PI for data coordination and statistical analysis for the Texas Hepatocellular Carcinoma Consortium and the Collaborative Action Program to Reduce Liver Cancer Mortality in Texas: Collaborative Action Center. Finally, he has been leading the Epidemiology, Population Sciences and Genetics committee for the institutional response to COVID-19. Dr. Amos also serves as multiple PI on a grant studying genetic and host-specific factors for liver cancer, a grant studying variation in p53 and their risk effects on cancers and a new grant that is studying characteristics of risk for colon polyps using data from the New Hampshire Colonoscopy Registry.
- **Dr. Amos** leads an inter-institutional project with Jason Huse in the MDACC Brain Tumor SPORC entitled “Somatic and germline distinctions arising in Blacks and Hispanics.” Dr. Amos is also collaborating with Dr. Bondy and colleagues to complete multiple publications using Mendelian randomization and LD Score Regression using data from several different cancer types including lung, brain and liver cancer and using phenome-wide analysis to understand genetic architecture using data from the UK Biobank Data.
- **Dr. 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.

- **Dr. Cheng** has collaborated with Dr. Noelle to elucidate the critical function of the VISTA gene in naïve T cell quiescence and peripheral tolerance using mouse knockout model. VISTA is an immune checkpoint gene in addition to PD-L1, PD-1, and CTLA-4, which provide a new immunotherapeutic target for treating cancer and immune diseases.
- **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.



During the pandemic, Dr. Thrift and team continue to work remotely on the Respond - Prostrate Study in African American men.



Cancer Prevention Research In Texas (CPRIT) PI and Trainees. Front Row (left/right): Margaret Spitz, Quinn Ostrom Xiaotao Zhang, Ahsan Raza. Second Row (left/right) Wilson da Costa, Jeremy Schraw, Alex Renwick

- **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.

FACULTY

Interim Chief

- Christopher Amos, Ph.D.

Faculty

- Hoda Badr, Ph.D.
- Jinyoung Byun, Ph.D.
- Chao Cheng, Ph.D.
- Ivan Gorlova, Ph.D.
- Olga Gorlova, Ph.D.
- Younghun Han, Ph.D.
- Yafang Li, Ph.D.
- Yong Li, Ph.D.
- Yanhong Liu, Ph.D.
- Abiodun Oluyomi, Ph.D.
- Bo Peng, Ph.D.
- Margaret Spitz, M.D.
- Aaron Thrift, Ph.D.
- Quinn Ostrom, Ph. D.
- Syed Ahsan Raza, M.D., Ph.D.
- Alexander Renwick, Ph.D.
- Navid Sobhani, Ph.D.
- Xinfang Yu, Ph.D.
- Xiaotao Zhang, Ph.D.
- Zhihui Zhang, Ph.D.

Secondary Appointments

- Richard Finnell, Ph.D.
- Philip Lupo, Ph.D.
- Javad Razjouyan, Ph.D.
- Michel Scheurer, Ph.D.
- Lea Steele, Ph.D.
- Elaine Symanski, Ph.D.
- Cheryl Walker, Ph.D.

Postdoctoral Associates

- Wilson Da Costa Jr. M.D., Ph.D.
- Maral Adel Fahmideh, Ph.D.
- Chunmei Fan, Ph.D.
- Chongming Jiang, Ph.D.
- Wei Li, Ph.D.

Adjunct Appointments

- Elmer Bernstram, Ph.D.
- Tuna Mustaffe, Ph.D.

HONORS AND AWARDS

Hoda Badr, Ph.D.

- Fellow in the 2020-2021, Hedwig van Ameringen Executive Leadership in Academic Medicine (ELAM) Program for Women

Xiaotao Zhang, Ph.D.

- American Association of Cancer Research-Bristol-Meyers Squibb Oncology Scholar-in-Training Award



Hoda Badr finds balance during Covid, working both remotely and in office.

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

Hoda Badr, Ph.D.

- Cancer Alliance of Texas, Member, Survivorship Working Group
- National Alliance for Caregiving, Bridging Policy Gaps in Caregiving Services and Supports Task Force Member

Charles Minard, Ph.D.

- American Statistical Association
- Faculty Senator

Xiaotao Zhang, Ph.D.

- Cancer and Aging Research Group
- American Association of Cancer Research
- American Society of Preventive Oncology

Jing Zhao, Ph.D.

- American Association for Cancer Research, Associate Member (12/2019)

EDITORIAL BOARD MEMBERSHIP AND POSITIONS

Hoda Badr, Ph.D.

- Associate Editor, *Journal of Psychosocial Oncology*
- Consulting Editor, *Journal of Family Psychology*
- Editorial Board Member, *Annals of Behavioral Medicine*

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

- Associate Editor, *Brazilian Journal of Oncology*

Yong Li, Ph.D.

- *Genes and Diseases*

Olga Gorlova, Ph.D.

- Academic Editor, *PLoS One*

Xiaotao Zhang, Ph.D.

- Associate Editor, *BMC Cancer*
- Associate Editor, *BMC Public Health*

OTHER SIGNIFICANT ACCOMPLISHMENTS**Hoda Badr, Ph.D.**

- Own the rabbit hole: Experiences of an NCI SPRINT program participant. Presented at the 44th Annual Conference of the American Society of Preventive Oncology (ASPO), 03/2020.
- Research in Cancer Caregiving: Themes, Gaps, Challenges, and Opportunities. Society of Behavioral Medicine Grand Rounds Webinar. 09/19.

RESEARCH ACTIVITIES**Grants****Chris Amos, Ph.D.**

- Risk Stratification for Early Detection of Liver Cancer; NIH/NCI; \$505,467
- Sequencing Familial Lung Cancer; NIH/NCI, \$735,139
- Evaluation of Genetic, Clinical, and Environmental Risk Factors to Establish Effective Strategies for Second Primary Lung Cancer, NIH/NCI; \$22,445 (sub)
- Precision Approaches to Refining TP53-Associated Cancer Risk, NIH/NCI; \$95,068
- Center for Molecular and Cellular Finding of Screen-Detected Lung Lesions; NCI/NIH; \$685,728
- 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; \$14,712 (sub)
- SPORE in Brain Cancer, Project 3, NIH/NCI; \$237,147
- Integrative Analysis of Lung Cancer Etiology and Risk; NIH/NCI; \$2,293,303
- Evaluating Lung Cancer Etiology and Risk through Clinical and Genomic Analysis; CPRIT; \$1,128,437

Chao Cheng, Ph.D.

- Computational Identification of New Candidate Drugs for Lung Cancer Treatment; NIH/NCI \$173,765
- Integrative Computational Approaches for Improving Cancer Immunotherapy; CPRIT; \$913,633
- Tissue Resident Memory T-Cell Responses to Cancer; NIH/NCI; \$9,557 (sub)

Ivan Gorlov, Ph.D.

- Integration of Clinical and Molecular Biomarkers for Melanoma Survival (sub), NIH/NCI; \$143,650

Yafang Li, Ph.D.

- Genetic Interaction Analysis Involving Oncogenesis Related Genes in Lung Cancer; NCI/NIH; \$169,149

Yong Li, Ph.D.

- TP53 Germline Mutations: Beyond LFS, NCI/NIH, \$366,000
- Dietary Carcinogens for Colorectal Cancer, NCI/NIH, \$366,000
- Comprehensive Analyses of Cancer Etiological Factors, CPRIT, \$1,668,098
- Polycyclic aromatic hydrocarbons: ultra-sensitive detection, early life exposures-clinical outcomes (preterm births, chronic lung disease, and neurocognitive deficits), prevention and remediation, NIEHS/NIH, Co-I on Project 3 and a member of the administrative and research translation core
- Direct targeting the MYD88 L265P driver mutation in Waldenstrom's Macroglobulinemia, International Waldenstrom's Macroglobulinemia Foundation, \$180,000
- MYC as a Biomarker in Aggressive Non-Hodgkin Lymphoma, NCI/NIH, \$384,959
- Modulation of MicroRNAs with Xenobiotics to Target c-Myc, NCI/NIH, \$278,699
- Identification of small molecule inhibitors of CRLA-4, Atomwise, In-kind support
- Identification of small molecule inhibitors of mutant MYD88 L265P, Atomwise, In-kind support

Margaret Spitz, M.D.

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

Elaine Symanski, Ph.D.

- Environmental Defense Fund Health Disparities, Enviro Defense Fund; \$28,390

Aaron Thrift, 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

- Academic Emergency Medicine (IF **3.064**): 1
- American Journal of Hematology (IF **6.973**): 1
- Anesthesia & Analgesia (IF **4.305**): 1
- Bioinformatics (IF **5.610**): 1
- Blood Advances (IF **4.584**): 1
- Blood Cancer Journal (IF **6.510**): 1
- BMC Cancer (IF **3.030**): 1
- BMC Medical Genomics (IF **2.570**): 2
- BMC Supportive and Palliative Care (IF **2.681**): 1
- Breast Cancer Research (IF **4.988**): 1
- Cancer Epidemiology Biomarkers & Prevention (IF **4.344**): 4
- Cancer Immunology Research (IF **8.728**): 1
- Cancer Letters (IF **7.360**): 1
- Carcinogenesis (IF **4.603**): 1
- Cell Reports (IF **8.109**): 1
- Clinical Cancer Research (IF **10.107**): 3
- Contemporary Clinical Trials (IF **1.832**): 1
- Current Oncology Reports (IF **3.828**): 1
- Diabetes Technology and Therapeutics (IF **5.070**): 1
- Experimental Hematology & Oncology (IF **3.492**): 1
- FASEB Journal (IF **4.966**): 2
- Global Advances in Health and Medicine (IF **1.097**): 1
- Health Behavior and Policy Review (N/A): 1
- Human Mutation (IF **4.124**): 1
- International Journal of Molecular Sciences (IF **4.556**): 2
- International Journal of Pediatric Endocrinology (IF **0.290**): 1
- JAMA Oncology (IF **24.799**): 1
- JCI Insight (IF **6.205**): 1
- Journal of Immunotherapy of Cancer (IF **9.913**): 1
- Journal of Asthma (IF **1.899**): 1
- Journal of Behavioral Medicine (IF **2.988**): 1
- Journal of Cellular Biochemistry (IF **4.237**): 1
- Journal of Geriatric Oncology (IF **3.164**): 2
- Journal of Hematology & Oncology (IF **11.059**): 3
- Journal of Infectious Disease (IF **4.730**): 1
- Journal of Medical Internet Research (IF **5.034**): 1
- Journal of Neuro-Oncology (IF **3.267**): 2
- Journal of Neurosurgery (IF **3.968**): 1
- Journal of Parenteral and Enteral Nutrition (IF **2.853**): 1
- Journal of Pediatric Psychology (IF **2.587**): 1
- Journal of Surgical Oncology (IF **2.771**): 2
- Journal of the NCI Cancer Spectrum (N/A): 1
- Journal of Thoracic Oncology (IF **13.357**): 1
- Laryngoscopy (IF **2.465**): 1
- Molecular Cancer (IF **15.302**): 4
- Nature Communications (IF **12.121**): 1
- Nature Reviews Clinical Oncology (IF **53.276**): 1
- Neuro-Oncology (IF **10.247**): 1
- OncoImmunology (IF **5.869**): 1

- Pediatric Allergy and Immunology (IF **4.699**): 1
- Pediatric Blood and Cancer Journal (IF **2.355**): 2
- PloS One (IF **2.740**): 1
- Science (IF **41.845**): 1
- Scientific Reports (IF **3.998**): 2
- Seminars in Oncology Nursing (IF **1.330**): 1
- Social Networks (IF **2.931**): 1
- Supportive Care in Cancer (IF **2.635**): 1
- The British Journal of Psychiatry (IF **7.850**): 1
- The Lancet Oncology (IF **33.752**): 1
- Vaccine (IF **3.143**): 1

Book Chapters

Hoda Badr, Ph.D.

- **Badr H** and Bitz C. Couples and cancer. In Breitbart W, Jacobsen P, Loscalzo M, Butow P, Lazenby M, and Lam W, editors. *Psycho-oncology, 4th edition*. New York, NY: Oxford University Press (In press).
- **Badr H**, Ahmad Z. Couple-relationships and Cancer Adaptation. In Robbins M, Sweeny K, editors. *Wiley Encyclopedia of Health Psychology: Volume II, The Social Bases of Health Behavior*. New York, NY: Wiley; In press.
- **Badr H**. Cancer. In Llewellyn CD, Ayres S, McManus C, Newman S, Petrie KJ, Revenson TA, and Weinman J, editors. *Cambridge Handbook of Psychology, Health and Medicine*. London, England. Cambridge University, 2019, Chp 102, 439-220.

PRESS

Chris Amos, Ph.D.

- VICE-United Kingdom, March 11, 2020. **Is It Safe to go to the Gym During a Coronavirus Outbreak?** https://www.vice.com/en_uk/article/epgkdn/should-i-go-to-gym-coronavirus
- VICE-Australia, March 11, 2020. **Is It Safe to go to the Gym During a Coronavirus Outbreak?** https://www.vice.com/en_au/article/epgkdn/is-it-safe-to-work-out-go-to-gym-exercise-class-coronavirus
- VICE-Asia, March 11, 2020. **Is It Safe to go to the Gym in the Midst of the Coronavirus Outbreak?** https://www.vice.com/en_asia/article/epgkdn/is-it-safe-to-work-out-go-to-gym-exercise-
- April 7, 2020, San Antonio Express News. **88 COVID-19 patients are hospitalized in San Antonio. The number could be higher.** <https://www.expressnews.com/news/local/article/88-COVID-19-patients-are-hospitalized-in-San-15185753.php>
- April 14, 2020, Click2Houston News. **How does testing in Texas affect Modeling? Texas lags behind other states in coronavirus testing.** <https://www.click2houston.com/news/local/2020/04/17/texas-lags-behind-other-states-in-coronavirus-testing/>

- April 16, 2020, Click2Houston News. Counting deaths during COVID-19 pandemic. Texas lags behind other states in coronavirus testing. KPRC 2 investigates why we're not seeing widespread testing and why that's the key to getting things reopened. <https://www.click2houston.com/news/local/2020/04/17/texas-lags-behind-other-states-in-coronavirus-testing/>
- May 6, 2020, Texas Medical Center News. **Does acetaminophen cause cancer?** <https://www.tmc.edu/news/2020/05/does-acetaminophen-cause-cancer/>
- ASCO Post, May 21, 2020. **Germline Genetic Variants in ATM and Lung Cancer Susceptibility.** <https://www.ascopost.com/news/may-2020/germline-genetic-variants-in-atm-and-lung-cancer-susceptibility/>
- June 22, 2020, Houston Chronicle. **With shutdown success evaporated, model suggests mid-July peak for COVID-19 in Houston.** <https://www.houstonchronicle.com/news/houston-texas/houston/article/With-shutdown-success-evaporated-model-suggests-15358664.php>
- Kaiser Health News, June 23, 2020. **“It Is Snowballing”: Public Health Experts Alarmed By Dramatic Surges As States Continue To Open.** <https://khn.org/morning-breakout/it-is-snowballing-public-health-experts-alarmed-by-dramatic-surges-as-states-continue-to-reopen/>
- June 23, 2020, KHOU Channel 11 News. **Houston vaccine scientist: It's time to roll back the reopening to stop the spike in COVID-19 cases.** <https://www.khou.com/article/news/health/coronavirus/houston-vaccine-scientist-its-time-to-roll-back-the-reopening/285-9256639e-bb27-4582-a95b-b3b1fb03b37e>
- June 23, 2020, KPRC Channel 2 News. **Local hospitals looking at two-phase surge plan if current trend continue.** <https://www.click2houston.com/news/local/2020/06/24/local-hospitals-looking-at-two-phase-surge-plan-if-current-trends-continue/>
- My High Plains, June 24, 2020. **Houston, Texas Hospitals See Surge in COVID-19 Cases.** <https://www.myhighplains.com/news/houston-texas-hospitals-see-surge-in-covid-19-cases/>
- WNKY News, June 24, 2020. **Houston, Texas Hospitals See Surge in COVID-19 Cases.** <https://www.wnky.com/houston-texas-hospitals-see-surge-in-covid-19-cases/>
- June 26, 2020, WPIX (NYC). **COVID spread in Texas vs. New York City** (no link available)
- June 29, 2020, Medpage Today. **COVID Trials Threatened by Shifting Surges.** <https://www.medpagetoday.com/infectiousdisease/covid19/87314>

SECTION OF GASTROENTEROLOGY AND HEPATOLOGY



SECTION CHIEF

Fasiha Kanwal, M.D.

The Section of Gastroenterology and Hepatology had a successful year. With more than 175 papers in scientific journals (up from 160 last year) and more than \$9 million in research funding in 2020, the Section remains a leader in research in gastrointestinal and liver diseases. The Section continues to be the clinical home for the National Institutes of Health (NIH)-funded Digestive Disease Center, one of 17 federally funded centers focusing on research in gastrointestinal (GI) diseases. We also serve as the coordinating center for the new Texas Collaborative Center for Hepatocellular Cancer (TeCH), which will be a platform to promote collaboration among scientists, clinicians, community leaders and policy makers to reduce hepatocellular carcinoma (HCC) mortality in Texas. Section members are in key leadership positions, ranging from serving in the Faculty Senate at the College level to editorship of *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 Hospital, and Michael E. DeBakey Veterans Affairs Medical Center (MEDVAMC). In 2020, BSLMC ranked #21 in the nation for Gastroenterology, maintaining its upward trajectory over the last 3 years. We expanded our footprint outside of the Texas Medical Center by establishing general GI practice at St. Luke's Hospital, Sugar Land, Texas. We continue to introduce several innovations in our practices, including cutting-edge advanced endoscopic procedures and multidisciplinary treatment of complex GI disorders. We play an important role in advancing our understanding of digestive and liver diseases and training future clinicians and researchers. The Section hosted a highly successful CME-accredited course this past year in which over 120 participants attended the 2nd Board Review Course in September 2019.

This annual report outlines some of the achievements and recognitions during 2020—the year of the pandemic. Overall, our performance speaks to our tenacity and resilience as a group.

A handwritten signature in black ink, appearing to read 'Fasiha Kanwal', written over a thin horizontal line.

Fasiha Kanwal, M.D., M.S.H.S., AGAF, FAASLD
Professor of Medicine
Chief, Gastroenterology and Hepatology
Baylor College of Medicine
Houston, Texas

HIGHLIGHTS

- Faculty received numerous awards and recognitions at the local and national levels
- Seven new faculty members joined the Section
- Successful academic year, with 175 publications and 59 active grants
- Renewal of T32 Research Training Grant
- Expansion of clinical operation to St. Luke's Sugar Land
- BSLMC ranked #21 in gastroenterology

FACULTY

Section Leadership

- Fasiha Kanwal, M.D., M.S.H.S., A.G.A.F., F.A.A.S.L.D., Chief of Gastroenterology
- John Vierling, M.D., F.A.C.P., Chief of Hepatology, Director of Baylor Liver Health
- Fred Sutton, M.D., Interim Service Chief, Ben Taub
- Rhonda Cole, M.D., Associate Service Chief, MEDVAMC
- Kalpesh Patel, M.D., Medical Director, Baylor College of Medicine
- Jason Hou, M.D., M.S., F.A.C.G., Fellowship Director, Baylor College of Medicine

Faculty – Baylor Medicine

- Wasif Abidi, M.D., Ph.D.
- Suneal Agarwal, M.D.
- Sharmila Anandasabapathy, M.D.
- Andrea Bradford, Ph.D.
- Johanna Chan, M.D.
- Reena Chokshi, M.D.
- Hashem El-Serag, M.D., M.P.H.
- Elaine Allison Hess, Ph.D.
- Salmaan Jawaid, M.D.
- Joseph Krill, M.D.
- Jason Hou, M.D., M.S., F.A.C.G.
- Manreet Kaur, M.D.
- Lukasz Kwapisz, M.D., F.R.C.P.C.
- Nabil Mansour, M.D.
- Temitope Osinaiya, DHSc., RDN
- Mohamed Othman, M.D.
- Kalpesh Patel, M.D.

- Waqar Qureshi, M.D., F.A.C.P., F.A.C.G., F.R.C.P.
- Jordan Shapiro, M.D.
- Rehman Sheikh, M.D.

Faculty – Ben Taub Hospital

- Maya Balakrishnan, M.D.
- Khushboo Munot, M.D.
- Chris Pappas, M.D., J.D., F.C.L.M., F.A.A.S.L.D.
- RJ Sealock, M.D.
- Richa Shukla, M.D.
- Melina Gould Suarez, M.D.
- Fred Milton Sutton Jr, M.D.
- Mimi Chang Tan, M.D.

Faculty – Hepatology

- Blaine Hollinger, M.D.
- Prasun Jalal, M.D.

- Saira Khaderi, M.D., M.P.H
- Ayse Leyla Mindikoglu, M.D., M.P.H
- Gagan Sood, M.D.
- Rise Stribling, M.D.
- Norman Sussman, M.D.
- John Vierling, M.D., F.A.C.P.

***Faculty – Michael E. DeBakey VA
Medical Center***

- Rhonda Cole, M.D.
- Hashem El-Serag, M.D., M.P.H.
- Avegail Flores, M.D.
- David Graham, M.D., M.A.C.G
- Clark Hair, M.D.
- Ruben Hernaez, M.D., M.P.H., Ph.D.
- Jason Hou, M.D., M.S., F.A.C.G
- Nisreen Husain, M.D.

- Maria-Ellinore Jarbrink-Sehgal, M.D.
- Fasiha Kanwal, M.D., M.S.H.S, A.G.A.F, F.A.A.S.L. D
- Gyanprakash Ketwaroo, M.D.
- Natalia Khalaf, M.D.
- Yamini Natarajan, M.D.
- Hoda Malaty, M.D., M.P.H, Ph.D., F.A.C.G
- Maria Velez, M.D.

Faculty – Research

- Ru Chen, Ph.D
- Loning Fu, Ph.D
- Li Jiao, M.D., M.S., Ph.D
- Yan Liu, Ph.D
- Antone Opekun, P.A.-C
- Noah Shroyer, Ph.D.

HONORS AND ACHIEVEMENTS

Maya Balakrishnan, M.D.

- Baylor College of Medicine (BCM) Career Advancement Series

Andrea Bradford, Ph.D.

- Early Career Faculty Award for Excellence in Patient Care

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

- 2019 Distinguished Scientist Award from BSLMC

David Graham, M.D., MACG

- Named Top 0.01% Scientist

Ruben Hernaez, M.D., M.P.H., Ph.D.

- Alpha Omega Alpha Honor Medical Society
- Department of Medicine Subspecialty Faculty Teaching Award
- Clinical Excellence Award GI Section

Nisreen Husain, M.D.

- Fellow Teaching Award

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

- American Society for Clinical Investigation

Gyanprakash Ketwaroo, M.D.

- BCM Career Advancement Series

Mohammed Othman, M.D.

- 2019 Clinical Innovator Award from BSLMC & William T. Butler Endowed Chair for Distinguished Faculty

Waqar Qureshi, M.D., FACP, FACG, FRCP

- Master Clinical Award Excellence in Patient Care & Norton Rose Fulbright Award

Richa Shukla, M.D.

- BCM Career Advancement Series

PROFESSIONAL ORGANIZATIONS/ASSOCIATES OFFICES HELD

Sharmila Anandasabapathy, M.D.

- Chair, AGA Women's Committee

Maya Balakrishnan, M.D.

- Secretary, AASLD Public Health Special Interest Group
- Member, AASLD CME Committee

Ru Chen, Ph.D.

- Member, Center for Scientific Review (CSR) Conflict Special Emphasis Panel
- Member, Conflict Cancer Immunopathology, Immunotherapy and Cancer Biomarkers
- Member, CSR Cancer Biomarkers Study Section panel
- Ad Hoc Reviewer, CSR Cancer Diagnostics and Treatments Small Business and Technology Transfer (SBIR/STTR) panel

Reena Chokshi, M.D.

- Co-Chair, Online Task Force American Foregut Society, Women in GI Committee, American College of Gastroenterology
- Member, Clinical Practice Committee, American Foregut Society

Loning Fu, Ph.D.

- Reviewer, Developmental Pathway Funding Scheme (DPFS) review panel, Medical Research Council
- Reviewer, Veni programme, The Netherlands Organization for Health Research and Development

Melina Gould Suarez, M.D.

- Member, American Gastroenterological Association (AGA) Women's Committee

David Graham, M.D.

- Member, World Gastroenterology Organizing Steering Committee on Early Diagnosis and Treatment of GI Cancers
- Member, World Gastroenterology Organizing Guidelines Committee 2019
- Member, International Committee: Consensus on Gastric Cancer Prevention, Taipei, Taiwan

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

- Co-Chair, AGA Division Chief Consortium
- Member, American Association for the Study of Liver Diseases (AASLD) Practice Metrics Committee
- Member, AGA Research Policy Committee

Gyanprakash Ketwaroo, M.D.

- Member, AGA Quality Metrics Committee
- Member, Quality Leadership Council Subcommittee

Ruben Hernaez, M.D., M.P.H.

- Chair, Liver Cancer Multidisciplinary Tumor Board, MEDVAMC
- Member, AASLD Practice guidelines committee
- Member, AGA Research Awards Panel

Jason Hou, M.D.

- Chair, Colon Subcommittee, AGA GI Training Exam Committee
- Chair, Inflammatory Bowel Disease (IBD) Subcommittee, VA GI Field Advisory Committee
- Member, Crohn's and Colitis Foundation of America (CCFA) IBD Partners Project Selection Committee
- Member, Executive Board: CCFA South Texas Chapter
- Member, Chapter Medical Advisory Committee Co-Chair: CCFA South Texas Chapter
- Member, AGA Research Awards Panel

Li Jiao, M.D.

- Member, Women's Health Initiative Ancillary Study Committee
- Member, Department of Defense (DOD) colon 2 review panel
- Member, National Institute on Aging grant review panel for microbiome research
- Member, 2020 Peer Reviewed Medical Research Program (PRMRP) Pre-FA
- Member, 2020 PRMRP Dis-FA

Ayse Leyla Mindikoglu, M.D., M.P.H.

- Fellow Member, AASLD

Yamini Natarajan, M.D.

- Member, AGA Government Affairs Committee

- State Leader, AGA Congressional Advocates
- Member, MEDVAMC Nutrition Committee
- Member, BCM GI Wellness Committee
- Member, BCM Faculty Development Vice Chair Group

Mohamed Othman, M.D.

- Medical Director, Texas chapter National Pancreas Foundation
- Member, American Society for Gastrointestinal Endoscopy (ASGE) Annual Program Committee
- Member, American College of Gastroenterology (ACG) Minority Affairs Committee

Kalpesh Patel, M.D.

- Member, ASGE Educational Products Committee

Waqar Qureshi, M.D.

- Member, ASGE Educational Products Committee
- Member, ASGE Video Awards Panel
- Member, Texas Society for Gastroenterology and Endoscopy Annual Course Education Committee
- Member, BCM Promotions Committee
- Board Member, Texas Society for Gastroenterology and Endoscopy

RJ Sealock, M.D.

- Chair, ASGE Annual Scientific Program Committee

Richa Shukla, M.D.

- Member, AGA Women's Committee
- Member, CCFA Professional Membership Committee
- Member, BCM GI Wellness Committee

John Vierling, M.D.

- Member, Data and Safety Monitoring Board (DSMB) for Drug-Induced Liver Injury Network
- Member, Executive Committee for Liver Tissue and Cell Procurement Distribution System

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Sharmila Anandasabapathy, M.D.

- Associate Editor, *Gastrointestinal Endoscopy*

Andrea Bradford, Ph.D.

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

Reena Chokshi, M.D.

- Section Editor, Large Intestines Section, *Current Gastroenterology Reports*

Fasiha Kanwal, M.D.

- Editor-in-Chief, *Clinical Gastroenterology and Hepatology*

Ruben Hernaez, M.D., M.P.H.

- : Associate Editor, *GUT*
- Member, *Hepatology*
- Member, *Clinical Gastroenterology and Hepatology*
- Member, *Liver Transplantation*

Mohamed Othman, M.D.

- Associate Editor, *Gastrointestinal Endoscopy*

RESEARCH

Grants

Sharmila Anandasabapathy, M.D.

- The Effectiveness of High Resolution Microendoscopy in High Grade Intraepithelial Lesions Diagnosis for People Living with HIV. National Cancer Institute (NCI)/NIH; R01CA232890. 12/2018-11/2020
- Controlling Esophageal Cancer: A Collaborative Modeling Approach. NCI/NIH; U01CA199336. 09/2018-08/2020
- High Resolution Microendoscopy for the Management of Esophageal Neoplasia. NCI/NIH; R01CA181275. 07/2014-08/2020.
- A Low Cost Tethered Capsule Endoscope for Esophageal Cancer Screening. NCI/NIH; R21CA212691. 09/2016-12/2019
- Automated, Augmented-Reality High-Resolution Microendoscopy for the Management of Esophageal Neoplasia. NCI/NIH; R01CA181275. 09/2016-08/2019

Ru Chen, Ph.D.

- Biomarkers for Early Detection of Colorectal Cancer in Ulcerative Colitis. NIH; R01CA211892. 07/2017-05/2022
- Early Detection of Pancreatic Cancer in Diabetics. NIH; R01CA180949. 04/2014-03/2020

Maya Balakrishnan, M.D.

- Introducing Palliative Care Within the Treatment of End-Stage Liver Disease: A Cluster Randomized Controlled Trial. PCORI; PLC-1609-36714. 01/2019-12/2019
- The effect of Environmental Exposures on Nonalcoholic Fatty Liver Disease (NAFLD) Progression. Gulf Coast Precision Environmental Health Center. 2019-2020

- NAFLD in Women. Texas Medical Center Digestive Diseases Center. 2020-2021
- NAFLD in Women. Baylor College of Medicine Research Seed Grant. 2019-2021

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

- Texas Medical Center Digestive Diseases Center. NIH National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); P30DK056338. 05/2018-02/2023
- The Texas Collaborative Action Center for Hepatocellular Cancer. Cancer Prevention and Research Institute of Texas (CPRIT); RP190640. 09/2019-08/2024
- Consortium on Translational Research on Translational Research in Early Detection of Liver Cancer: Biomarkers Derivation and Validation. NIH NCI; U01 CA230997. 09/2018-08/2023.
- Prevent HCC – through Screening, Vaccination and Treatment of Viral Hepatitis. CPRIT; P160089. 08/2016-08/2020.
- Consortium on Translational Research in Early Detection of Liver Cancer: Data Management and Coordinating Center. NCI; U24 5U24CA230144. 09/2019-08/2023
- Understanding the Multilevel Drivers of Liver Cancer Disparities. NIH NCI; R01 CA225478. 08/2019-08/2024
- Interleukin-15– and -21–Armored Glypican-3–Specific CAR T Cells for Patients with Hepatocellular Carcinoma. CPRIT; RP190160. 03/2019-02/2023
- Research Training in Gastroenterology. NIH NIDDK; T32DK083266. 03/2009-04/2020
- A New Lab-Based Algorithm for HCC Surveillance in Patients and Cirrhosis. NIH; R01 CA190776-01. 01/2015-12/2019
- Texas Hepatocellular Carcinoma Consortium. CPRIT; RP150587. 06/2015-05/2020
- Prevalence and Predictors of Nonalcoholic Fatty Liver Disease in Veterans. VA Merit 1I01CX001616-01. 10/2017-09/2021
- Biomarker Screening Algorithms for the Improved Early Detection of Hepatocellular Carcinoma. R01 CA230503; 07/2019-03/2024
- Risk of HCC Following Successful Treatment of HCV. Gilead Pharmaceuticals. 1/2018-12/2019

Ruben Hernaez, M.D., M.P.H.

- Harms of Hepatocellular Carcinoma Screening in Patients with Cirrhosis. NCI; 1R01CA212008-01A1. 6/2017-07/2022
- Effect of Simvastatin on Hepatic Decompensation and Death in Subjects Presenting with High-Risk Compensated Cirrhosis. VA CSRD; CX- 002010. 10/2020-09/2025

Jason Hou, 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; 1R01 DK117476-01A1. 09/2018-08/2023

- Patient-Centered Comparative Effectiveness of Colorectal Cancer Surveillance in IBD. AHRQ; K08 PA13-180. 08/2015-07/2020
- 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; Clinical Trial Grant. 11/2017-11/2020
- A Phase 3 Multicenter, Open-label Extension (Ole) Study to Evaluate the Long-Term Safety and Efficacy of ABT-494 in Subjects with Ulcerative Colitis (UC). Abbvie Inc; Clinical Trial Grant. 08/2017-08/2022
- 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; Clinical Trial Grant. 1/2016-01/2020
- Protocol P 3206653111-282 – 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; Clinical Trial Grant. 01/2017-6/2029
- Effectiveness, Safety, and Patient Preferences of Infliximab Biosimilar Medications for Inflammatory Bowel Disease. VA Health Services Research & Development (HSR&D); HX003028 ID: Investigator Initiated Research (IIR) 19-045. 08/2019-07/2023
- Anemia Treatment Patterns and Outcomes among a National Cohort of Patients with Inflammatory Bowel Disease. American Regent.

Prasun Jalal, M.D.

- Outcomes of a Hepatocellular Cancer Surveillance Program: A Retrospective Cohort Study. 56825-I. 01/2019-12/2020
- Radiological Characteristics and Biomarkers for Early Detection of Liver Cancer. 01/2019-12/2020
- Characterization of Fecal Microbiome Changes and Safety Evaluation after Oral Administration of Lyophilized Capsules Containing Microbiota Suspension in Patients with Severe Alcoholic Hepatitis: A Prospective, Double Blinded, Randomized, Placebo-Controlled Pilot Study. 07/2020-6/2020

Fasiha Kanwal, M.D.

- Research Training in Gastroenterology. NIH; T32DK083266. 03/2020-04/2025
- Center for Gastrointestinal Development, Infection and Inquiry. NIDDK; 2 P30 DK056338-16. 12/1999-02/2023
- A Personalized Surveillance Program for Hepatocellular Carcinoma. American Cancer Society Extramural Grant; RSG-17-022-01. 07/2017-06/2021
- Patient Centered Care for Individuals with Advanced Liver Disease. HSR&D IIR 16-075; 1 I01 HX002204-01. 05/2018-04/2021

- Risk Factors of Hepatocellular Cancer in Non-Alcoholic Fatty Liver Disease; CPRIT. 09/2015-05/2020
- Cirrhosis Quality Collaborative. AASLD. 09/2018-08/2021
- Risk Stratification for and Early Detection of Liver Cancer. NIH; 1 U01 CA230997-01. 09/2018-08/2023
- Risk of Hepatocellular Cancer after Virological Cure with Direct Acting Antiviral Agents in Individuals with Hepatitis C. Congressionally Directed Medical Research Programs (CDMRP). 07/2019-06/2022

Manreet Kaur, 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. Pharmaceutical Research Association//GIL; GS-8S-419-3895. 07/2018-07/2020
- Combined Phase 2B/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 Ulcerative Colitis. Gilead Sciences, Inc. 2020
- Entyvio ® Outcomes in Real-World Bio-naïve Ulcerative Colitis and Crohn's Disease Patients (Evolve) USA. PPD/Takeda Pharma; VDZ-5034. 09/2018-09/2020
- A Long-Term Extension Study to Evaluate the Safety of Filgotinib in Subjects with Crohn's Disease. Gilead; GS-US-419-3896. 10/2018-06/2020
- A Long-Term Extension Study to Evaluate the Safety of Filgotinib in Subjects with Ulcerative Colitis. Gilead; GS-US-418-3899. 10/2018-09/2021
- A Phase 2, Double-Blind, Randomized, Placebo-Controlled Study Evaluating the Efficacy and Safety of Filgotinib in the Treatment of Perianal Fistulizing Crohn's Disease. ICON Clinical Res; GS-US-4194016. 09/2018-09/2021
- A Phase 2B, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Efficacy and Safety of Filgotinib in the Treatment of Perianal Fistulizing Crohn's Disease. Gilead Sciences, Inc. 2020
- To compare the Efficacy of Treatment with Ustekinumab or Adalimumab in Biologic Naïve Subjects with Moderately to Severely Active Crohn's Disease Who Have Previously Failed or Were Intolerant to Conventional Therapy. JANSSEN Research; CNTO1275CRD3007; 02/2019-11/2022
- A Phase 3B, Randomized, Double-Blind, Multicenter Study to Evaluate the Safety and Efficacy of Intravenous Re-Induction Therapy with Ustekinumab in Patients with Moderately to Severely Active Crohn's Disease. Janssen Research & Development, LLC. 2020
- A Phase 2B Double-Blind, Multi-Dose Placebo-Controlled Study to Evaluate the Efficacy and Safety of medi2070 in Subjects with Moderate to Severe Crohn's Disease who Have Failed or Are Intolerant to Anti-Tumor Necrosis Factor Alpha Therapy. Medimmune, Inc. 2020

- Entyvio (vedolizumab) Long-Term Safety Study: An International Observational Prospective Cohort Study Comparing vedolizumab to Other Biologic Agents in Patients with Ulcerative Colitis or Crohn's Disease. Takeda Development Center Americas, Inc. 2020
- An Open-Label, Phase 4 Study to Evaluate the Efficacy and Safety of Triple Combination Therapy with vedolizumab IV. Takeda Development Center Americas, Inc. 2020
- A Phase 4 Open-Label Study to Evaluate vedolizumab IV Dose Optimization on Treatment Outcomes in Nonresponders with Moderately to Severely Active Ulcerative Colitis. Takeda Global Research & Development Center, Inc. 2020

Natalia Khalaf, M.D.

- Precision Risk Stratification for Pancreatic Cancer: A Deep Learning Approach. DLDC2020. 01/2020-12/2020
- Imaging Repository for Pre-Diagnostic and Early-Stage Pancreatic Cancer. NCI UO1; 5U01 CA200468 05. 04/2020-03/2021
- Acute Pancreatitis and Pancreatic Cancer: Improving Early Detection APA2018; 4/2019-3/2021

Ayse Mindikoglu, M.D., M.P.H.

- Roderick D. MacDonald Research Award. 2019-2020.

Mohamad Othman, M.D.

- Consortium for the Study of Chronic Pancreatitis, Diabetes and Pancreatic Cancer Clinical Centers. NIH. 09/2016-06/2020
- 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 Ni03 Compared to Placebo in Subjects with Chronic Pancreatitis. Kangen Pharmaceutical. 11/2018-10/2020
- Multi-Center Prospective Registry Evaluation Utilizing a Double Balloon Accessory Device to Facilitate Endoscopic Polypectomy in Large Intestine. Lumendi. 10/2018-9/2019
- Prevalence of Exocrine Pancreatic Insufficiency in Patients Presenting with Diarrhea. AbbVie pharmaceutical. 12/2017-09/2019
- Phase IIa Trial Evaluating the Safety of Intratumoral Injection of NanoPac in Subjects with Locally Advanced Pancreatic Adenocarcinoma. US Biotest, Inc. 07/2017-06/2020
- A Trial Evaluating Escalating Doses and Safety of Intracystic Injection of NANOPAC® in Subjects with Mucinous Cystic Pancreatic Neoplasm. US Biotest, Inc. 09/2017-06/2020
- A Multicenter, Single-Arm, Study of the Efficacy of EsoGuard, on Samples Collected Using EsoCheck, Versus Esophagogastroduodenoscopy, for the Diagnosis of Barrett's Esophagus in an At-Risk Screening Population. Lucid Diagnostics, Inc.

RJ Sealock, M.D.

- A Phase 3 Randomized Multicenter Study to Evaluate the Efficacy and Safety of Open-Label Dual Therapy with Oral Vonoprazan 20 mg or Double-Blind Triple Therapy with Oral

Vonoprazan 20 mg Compared to Double-Blind Triple Therapy with Oral lansoprazole 30 mg Daily in Patients with Helicobacter Pylori Infection. Phathom Pharmaceuticals. 2019-2020

- Prevalence of Exocrine Pancreatic Insufficiency among Patients with Pancreatic Adenocarcinoma: A Single Center Study. Abbvie. 2019-2020

Noah Shroyer, Ph.D.

- Investigation of Regional Identity in Human Intestinal Stem Cells. NIH/NIDDK; NIH U01 DK103117. 7/2014-8/2020
- Core D: Gastrointestinal Experimental Model Systems Core Provides Access to Gnotobiotic Mice and Human and Animal Gastrointestinal Organoids. NIH/NIDDK; NIH P30 DK056338. 4/2018-4/2023
- Nutrigenomics of Intestinal Vitamin D Action. NIH/NIDDK; 1R01DK112365. 7/2017-8/2021
- Uncovering the Role of Colorectal Stem Cells on Disease Penetrance in Lynch Syndrome. NIH/NCI; NIH R01 CA219463. 9/2017-8/2022
- Mechanisms of Intestinal Stem Cell Differentiation and Plasticity. NIH/NIDDK; R01-DK118904. 7/2018-6/2023
- Integrated Genomics of Mucosal Infections. NIH/ National Institute of Allergy and Infectious Diseases (NIAID); 1U19-AI144297-01. 04/2019-03/2024

Mimi Tan, M.D.

- Predicting Risk of Gastric Intestinal Metaplasia in U.S. Populations. NIH; P30 DK056338, 01/2020-12/2020
- An Automated Software Algorithm for Real-Time Prediction of Neoplasia in Barrett's Esophagus Imaging with Confocal High-Resolution Microendoscopy. 07/2020-06-2021

John Vierling, M.D.

- 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; 747-303. 10/2015-OPEN
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of Emricasan (IDN-6556), an Oral Caspase Inhibitor, in Subjects with Non-Alcoholic Steatohepatitis Fibrosis. Conatus; IDN-6556-12. 03/2016-OPEN
- Early Detection of Hepatocellular Carcinoma. NIH NCI. 04/2016-03/2021
- A Phase 2, Pilot Study of JKB-122 to Assess Liver Tests in Autoimmune Hepatitis Patients who are Refractory or Intolerant to Current Therapies. TaiwanJ; JKB-122AIH. 06/2016-OPEN
- 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; CLJN425A2202. 06/2016-OPEN

- 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, Inc.; MNK 19013058. 08/2016-OPEN
- A Multicenter Randomized, Double-Blind, Placebo-Controlled Phase III Study to Evaluate the Efficacy and Safety of Elafibranor in Patients with Non-Alcoholic Steatohepatitis (NASH) and Fibrosis. Genfit; GFT505-315-1 NASH. 09/2016-OPEN
- 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.; CB8025-21629. 02/2017-OPEN
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of Emricasan, an Oral Caspase Inhibitor, in Subjects with Non-Alcoholic Steatohepatitis Cirrhosis and Severe Portal Hypertension. Conatus Pharmaceuticals; IDN-6556-14. 04/2017-OPEN
- A Registry for Subjects with Cirrhosis Who Achieve a Sustained Virologic Response Following Treatment with a Sofosbuvir-Based Regimen without Interferon for Chronic Hepatitis C Infection. Gilead; GS-US-337-1431 - LTFU with Cirrhosis. 04/2017-OPEN
- 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; 16HEP01. 05/2017-OPEN
- 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.; GS-US-427-4024. 05/2017-OPEN
- 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; GFT505B-216-1. 06/2017-OPEN
- 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.; GS-US-384-1943. 06/2017-OPEN
- 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, Inc.; GS-US-384-1944. 06/2017-OPEN
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of Emricasan, an Oral Caspase Inhibitor, in Subjects with Decompensated Non-Alcoholic Steatohepatitis Cirrhosis. Conatus; IDN-6556-17. 06/2017-OPEN
- 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 Nonalcoholic Fatty Liver Disease. Pfizer; C1171002; 08/2017-OPEN

- 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; GSN000300. 02/2018-OPEN
- 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; EDP 305-201. 03/2018-OPEN
- 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; EDP 305-101. 05/2018-OPEN
- An Open-Label Long-Term Study to Evaluate the Safety and Tolerability of Seladelpar in Subjects with Primary Biliary Cholangitis. CymaBay; CB8025-31731. 05/2018-OPEN
- 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; 747-304. 05/2018-OPEN
- 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; VAY B2201. 05/2018-OPEN
- 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 747-401; 05/2018-OPEN
- 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; MB130-068. 09/2018-OPEN
- 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; MB130-069. 09/2018-OPEN
- 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; APD334-010. 09/2018-OPEN
- 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. 10/2018-OPEN

Publications

- Clinical Gastroenterology and Hepatology (IF **7.896**): 21
- Digestive Diseases and Sciences (IF **2.937**): 12

- Gastroenterology (IF **20.877**): 8
- Journal of American College of Gastroenterology (IF **10.171**): 6
- Gastrointestinal Endoscopy (IF **5.369**): 6
- Hepatology (IF **14.079**): 6
- Journal of Hepatology (IF **18.946**): 6
- Current Gastroenterology Reports (IF **3.060**): 4
- Helicobacter (IF **4.0**): 4
- Alimentary Pharmacology & Therapeutics (IF **7.357**): 3
- Clinical Transplantation (IF **1.844**): 3
- Current Opinion Gastroenterology (IF **2.741**): 3
- Inflammatory Bowel Diseases (IF **4.525**): 3
- American Journal of Transplantation (IF **7.163**): 3
- ACG Case Reports Journal (IF **0.31**): 2
- Journal of Autoimmunity (IF **7.641**): 2
- Cancer Research (IF **9.130**): 2
- Gut (IF **17.943**): 2
- Journal of Clinical Gastroenterology (IF **3.186**): 2
- Journal of Gastroenterology and Hepatology (IF **2.198**): 2
- American Journal of Clinical Nutrition (IF **6.77**): 1
- American Journal of Medical Science (IF **1.962**): 1
- Annals of Internal Medicine (IF **21.317**): 1
- Antiviral Research (IF **4.909**): 1
- BioMed Research International (IF **2.583**): 1
- BMJ Open Gastroenterology (IF **2.750**): 1
- British Journal of Cancer (IF **5.416**): 1
- Cancer (IF **6.102**): 1
- Cancer Epidemiol Biomarkers Prevention (IF **4.125**): 1
- Cells (IF **38.637**): 1
- Cellular and Molecular Gastroenterology and Hepatology (IF **7.076**): 1
- Cirrhosis (IF **N/A**): 1
- Clinical Liver Disease (IF **4.623**): 1
- Clinical Liver Disease (Hoboken): 1
- Future Science OA (IF **3.25**): 1
- Gastroenterology Research and Practice (IF **1.890**): 1
- Infectious Diseases and Therapy (IF **4.307**): 1
- Integrative Molecular Medicine (IF **N/A**): 1
- Journal of Acquired Immune Deficiency Syndrome (IF **3.863**): 1
- Journal of General Internal Medicine (IF **4.606**): 1
- Journal of Pediatric Surgery (IF **1.733**): 1
- Journal of Proteomics (IF **3.537**): 1
- Journal of Surgical Research (IF **2.187**): 1
- Journal of Thoracic Diseases (IF **2.365**): 1
- Journal of Viral Hepatology (IF **3.770**): 1
- Lancet Gastroenterology and Hepatology (IF **14.789**): 1
- Liver Transplantation (IF **4.00**): 1
- Nature Protocols (IF **10.419**): 1
- New England Journal of Medicine (IF **74.699**): 1
- Optics Letters (IF **3.714**): 1
- Proceedings of the National Academy of Science U S A (IF **9.412**): 1
- Progress in Transplantation (IF **0.958**): 1
- Radiologia Medica (IF **1.859**): 1
- Science Immunology (IF **8.160**): 1
- Surgical Endoscopy (IF **3.747**): 1

- Therapeutic Advances in Gastroenterology (IF **4.08**): 1
- Tissue Engineering Part B Reviews (IF **7.070**): 1
- Transplant International (IF **3.177**): 1
- Transplantation Proceedings (IF **0.994**): 1
- Journal of United European Gastroenterology (IF **3.549**): 1
- VideoGIE (IF **0.22**): 1
- Viruses (IF **3.816**): 1

Books/Book Chapters

- Prianka Gajula, **Othman M.** Endoscopic Resection Techniques for Early Stage Esophageal Tumors. In: *Adult Chest Surgery, 3rd Edition*, 2019.
- **Hernaes, R.** Screening of HCC in non-cirrhotic NASH. Controversies in Hepatocellular Carcinoma. In: *Screening of HCC in non-cirrhotic NASH*.
- Ahmed A, **Qureshi WA.** Anatomy, Abdomen and Pelvis, Anal Canal. 2020 Feb 28. In: *StatPearls* [Internet]. Treasure Island (FL): StatPearls Publishing, 2020

FELLOW ANNOUNCEMENTS

The Baylor College of Medicine GI Fellowship is pleased to announce that two of our 3rd-year fellows (Jordan Sparkman and Joseph Krill) were awarded an educational grant of \$1000 each to attend the 16th Rocky Mountain Interventional Endoscopy course at the Anschutz Medical Campus of the University of Colorado on February 7-8, 2020. In addition, Jessica Bernica (2nd-year fellow) was nominated by the fellowship program leaders and selected by The American College of Gastroenterology in July 2019 as one of 125 fellows across North America to attend a course designed specifically for 2nd-year fellows. This course will be held January 17-19, 2020 in Washington, DC. In addition, Hyunseok Kim has been awarded an ACG FDA visiting fellowship for next year. Last but certainly not least, Jessica Bernica, Hyunseok Kim, and Valentine Millien were invited to participate in the Third Annual IBD Summit for Fellows: Establishing a Foundation to improve the Quality of IBD Care, held in San Antonio, TX before the ACG this year.



Jessica Bernica, Hyunseok Kim, and Valentine Millien



Jordan Sparkman



Joseph Krill

SECTION OF GENERAL INTERNAL MEDICINE



SECTION CHIEF

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

The section of General Internal Medicine (GIM) is one of the largest and most diverse in mission and faculty in the Department of Medicine (DoM). Our multi-disciplinary faculty members provide a broad range of clinical services, educational leadership, scholarly efforts, and service to the community. Like most Sections of General Internal Medicine around the country, our section members work as hospitalists, outpatient primary care physicians, emergency center clinicians, pharmacists, and public health experts (such as the Environmental Health Service group.)

We practice at Baylor Medicine – McNair Campus, Baylor St. Luke’s Medical Center (BSLMC), 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 had a 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.



On behalf of the more than 130 section faculty and administrative team members recruited and mentored by Dr. David J. Hyman over three decades, we dedicate this year’s annual report to our brilliant, compassionate, highly committed, and beloved boss who died suddenly in June 2020.

A handwritten signature in blue ink, appearing to read 'Joslyn Fisher'. The signature is stylized and fluid.

Joslyn Fisher, M.D., M.P.H, Interim Chief, General Internal Medicine

HIGHLIGHTS

COVID-19 #Called to Care

- All three ambulatory sites (Baylor Medicine, Harris Health Smith Clinic, VA Prime Care) implemented telemedicine rapidly to provide seamless access to primary care as well as maintain high quality services.
- Baylor Medicine (McNair) and VA Prime Care assisted with COVID triage and testing.
- All of our hospitalist divisions (BSLMC, Ben Taub, VA) led hospital and institutional initiatives to address COVID-related issues: surge planning, creating COVID units and COVID teams, developing COVID clinical protocols, and formulating ethics plans.

Clinical Highlights

- The GIM team across all the pavilions had more than 200,000 patient visits in the last academic year.
- Our faculty won more than 10 clinical awards, including 3 Star Awards for Excellence in Patient Care.
- The Baylor Hospitalist Program has expanded its footprint and is now providing care to patients at four hospitals in the Houston community and surrounding areas, including BSLMC, CHI St. Luke's The Woodlands Hospital, CHI St. Luke's The Vintage Hospital, and CHI St. Luke's Sugar Land Hospital.

Education

- Educating our residents and students is a top priority of our group and our GIM faculty serve in various educational leadership positions including associate and assistant deans, associate program directors of the IM residency program, program director of the Med-Peds residency program, as well as directors of various core courses and electives such as IM Core Clerkship, Foundational Sciences, Patient Physician & Society-3, Transition to Clinics.
- Our faculty won numerous awards for educational excellence, including the John P. McGovern Outstanding Teacher Award, Norton Rose Fulbright Awards for Educational Leadership and Teaching and Evaluation, School of Medicine Graduating Class, and IM Residency Program.

Scholarly

- Our faculty have grants from HUD, National Institutes of Health (NIH), and NASA as well as private sponsorship in areas of environmental health exposures, use of technology in improving health of low-income Hispanics with diabetes, and space health research.
- Our faculty have published papers in high-impact, peer-reviewed journals such as *JAMA*, *Annals of Internal Medicine*, and *Journal of General Internal Medicine*.

Service

- Our faculty across all the pavilions are involved in major leadership positions across the hospitals, including service on Medical Executive Committees, Medical Records Committees, Pharmacy and Therapeutics Committees, Ethics Committees, and Quality Improvement and Patient Safety Committees along with many others.
- At Baylor College of Medicine, our faculty lead and actively participate in many key committees and initiatives, including: three Faculty Senators, Director/Faculty Supervisor of the Gold Humanism Honor Society, Chair of Institutional Policy Committee, Director/Founder of the Narrative Medicine Program, and committee members of IRB, curriculum renewal, and wellness committees.

FACULTY

Section Leadership

- David Hyman (June 1993 – June 2020), Chief, Section of General Medicine

Baylor Medicine – McNair Campus

- Daniel Murphy, M.D., MBA, Medical Director, GIM, McNair

Baylor St. Luke’s Medical Center

- Umar Waheed, M.D., Medical Director, Hospitalist Service, BSLMC
- Christopher Brann, M.D., Associate Medical Director, Hospitalist Service, BSLMC
- Allison Heinen, D.O., Associate Medical Director, Hospitalist Service, BSLMC
- Elie Jarrouge, M.D., Associate Medical Director, Hospitalist Service, BSLMC

Harris Health System

- Joslyn (Joey) Fisher, M.D., M.P.H., Associate Chief, Ben Taub
- Jennifer Chen, M.D., Co-Director, Hospitalist Service, Ben Taub Hospital
- Surinder Kaul, M.D., Co-Director, Hospitalist Service, Ben Taub Hospital
- Lee Lu, M.D., Medical Director, Smith Clinic and Director of Ambulatory Services GIM at HHS

MEDVAMC

- Andrew Caruso, M.D., Director Hospitalist Service, MEDVAMC
- Feibi Chi, PharmD, Director, Pharm D, MEDVAMC
- Rola El-Serag, M.D., Director, Women’s Health Center, MEDVAMC
- Himabindu Kadiyala, M.D., Director, Prime Care Service, MEDVAMC
- Cory Ritter, M.D., Associate Director, Hospitalist Service, MEDVAMC
- Hossam Safar, M.D., Director, EC-IM, MEDVAMC

Faculty – GIM: McNair

- Eloy Cavazos Jr., M.D.
- Sharon Chen, M.D.
- Sobia Khan, M.D.
- Derek Meeks, M.D.
- Daniel Murphy, M.D.
- Vani Potluri, M.D.
- Ralph Rosenbaum, M.D.
- Ryan Thomas, M.D.
- Zehra Tosur, M.D.
- Isabel Valdez, M.P.A.S., PA-C

GIM – MEDVAMC

- Adelaide Adjovu, M.D.
- Oluwatoyin Kuloyo, M.D.
- Rajeev Balchandani, M.D.
- Jeffrey Bates, M.D.
- David Berman, M.D.
- Glynda Caga-Anan, M.D.
- Andrew Caruso, M.D.
- Feibi Chi, Pharm D
- Daniel Debrule, M.D.
- Megan Edmonson, M.D.
- Rola El-Serag, M.D.
- Joan Friedland, M.D.
- Yaw Frimpong-Badu, M.D.
- Utpal Ghosh, M.D.
- Stephanie Gryzmala,
- Richa Gupta, M.D.
- Kamal Hirani, M.D.
- Claudine Johnson, M.D.
- Lindsey Jordan Gay, M.D.
- Himabindu Kadiyala, M.D.
- Jagadeesh Kalavar, M.D.
- Jing Kees, M.D.
- Anna Kolpakchi, M.D.
- Babin Kurian, M.D.

- Sabina Lee, M.D.
- Almer Love II, M.D.
- Janeca Malveaux, Pharm. D
- Nicole McMaster-Baxter, Pharm. D
- Jetavia Moody, Pharm. D
- Nathan Nowalk, M.D.
- Jung Park, M.D.
- Christina Pereira, Pharm. D
- Caroline Pham, Pharm. D
- Wendy Podany, M.D.
- Shazia Raheem, Pharm. D
- Radha Rao, M.D.
- Cory Ritter, M.D.
- Hossam Safar, M.D.
- James Sceurich, M.D.
- Atur Sheth, M.D.
- Shaila Sheth, Pharm.D
- Bryan Sowers, M.D.
- Diana Stewart, M.D.
- Tomi Swain, Pharm.D
- Kelly Thomas, M.D.
- Anne Utech, M.D.
- Mini Varughese, M.D.
- Matthew Wanat, Pharm.D
- Sonya Wilmer, Pharm.D

GIM: Baylor St. Luke's Hospitalists

- Titilola Adio-Oduola, M.D.
- Neeraj Agrawal, M.D.
- Mahmoud Allahham, M.D.
- Kayley Clemings Ancy, M.D.
- Khannan Athreya, M.D.
- Heather Bartsch, M.D.
- Alok Bhattarai, M.D.
- Christopher Brann, M.D.
- Kinjal Changela, M.D.
- Narendra Civunigunta, M.D.

- Sonal Gadicherla, M.D.
- Allison Heinen, D.O.
- Jennifer Hsu, M.D.
- Chimkama Ibe, M.D.
- Elie Jarrouge, M.D.
- Mithulan Jegapragasan, M.D.
- Omar Merchant, M.D.
- Jackson Murrey-Ittmann, M.D.
- Roopa Nalam, M.D.
- Nehal Patel, M.D.
- Kavita Shah, M.D.
- Mona Sroujeh, M.D.
- Ayush Sutaria, M.D.
- Umar Waheed, M.D.
- Catherine Wilson, M.D.
- Shireen Zindani, M.D.

GIM – Environmental Health Services

- Rebecca Bruhl, D.P.H., M.P.H.
- Winifred Hamilton, Ph.D.
- Abiodun Oluyomi, Ph.D.
- Susanne Savely, D.P.H.

Emeritus

- Barry Goodfriend, M.D.
- Ruth Falik, M.D.

GIM: Harris Health System – Ben Taub Hospital and Smith Clinic

- Anoop Agrawal, M.D.
- Nabid Ahmed, M.D.
- Stephen Boone, M.D.
- Jennifer Chen, M.D.
- Regina Cuchapin, M.D.
- Priti Dangayach, M.D.
- Catherine Daniel, M.D.
- Christian Eckman, M.D.
- Joslyn Fisher, M.D.

- Cara Foldes, M.D.
- David Hilmers, M.D.
- Erica Lescinkas, M.D.
- Nadia Ismail, M.D.
- Surinder Kaul, M.D.
- Colleen Keough, M.D.
- Riaz Khan, M.D.
- Lubna Khawaja, M.D.
- Maureen Kimani, M.D.
- Anita Kusnoor, M.D.
- Larry Laufman, ED.D.
- Doris Lin, M.D.
- Lee Lu, M.D.
- David McCants, M.D.
- Niraj Mehta, M.D.
- Meroe Morse, M.D.
- Matthew Novakovic, M.D.
- Ricardo Nuila, M.D.
- Edgardo Ordonez, M.D.
- Vishal Patel, M.D.
- Cynthia Peacock, M.D.
- Edward Poythress, M.D.
- Marc Robinson, M.D.
- Jaime Rueda, M.D.
- Zaven Sargsyan, M.D.
- Katie Scally, M.D.
- Rosa Schmidt, M.D.
- Chirayu Shah, M.D.
- Vandana Shah, M.D.
- Wayne Shandera, M.D.
- Shazia Sheikh, M.D.
- Stephanie Sherman, M.D.
- Ryan Shook, M.D.
- Michael Siegelman, M.D.
- Julian Swanson, M.D.
- Elizabeth Vaughan, D.O.
- Youshi Yin, M.D.

HONORS AND ACHIEVEMENTS

Neeraj Agarwal, M.D.

- Hospitalist of the Year Award at General Internal Medicine Annual Retreat in January 2020
- BSLMC Inpatient Teaching Award 2019, which is awarded by medicine residents to the best inpatient teaching faculty for the year. All teaching faculty in the hospital are eligible for the award.

David Berman, M.D.

- Barry Goodfriend Outpatient Healer of the Year Award at the GIM Annual Retreat in January 2020

Stephen Boone, M.D.

- Emergency Medicine Clerkship Feedback & Teaching Award
- CM Internal Medicine Core Clerkship Feedback of the Term Award

Andrew Caruso, M.D.

- 2020 John P. McGovern Outstanding Teacher Award in the Clinical Years award
- Norton Rose Fulbright Award for Educational Leadership
- D.A.V.E. Award (Dedicated Academician who Values Excellence in teaching, patient care, and scholarship) at GIM Annual Retreat in January 2020
- Internal Medicine Residency Program Faculty Awards – Best Inpatient Wards Teaching for MEDVAMC

Narendra Civunigunta, M.D.

- Internal Medicine Residency Program Faculty Awards – Best Inpatient Wards Teaching for BSLMC

Regina Cuchapin, M.D.

- Hospitalist of the Year Award at GIM Annual Retreat in January 2020

Rola El-Serag, M.D.

- Women of Excellence Award for 2020
- Barry Goodfriend Outpatient Healer of the Year Award at GIM Annual Retreat in January 2020

Joslyn Fisher, M.D.

- Star Faculty Award for Excellence in Patient Care

David Hyman, M.D.

- Castle Connolly Top Doctors for 2020

- National Institutes of Health special emphasis panel for Population Sciences and Epidemiology Integrated Review Group, Secondary Analyses of Existing Datasets in Heart, Lung, and Blood Diseases and Sleep Disorders (R21) during a meeting held July 18-19, 2019 in Washington DC.

Lindsay Jordan Gay, M.D.

- Norton Rose Fulbright Award for Teaching and Evaluation

Doris Lin, M.D.

- Women of Excellence Award for 2020
- Awarded D.A.V.E. Award (Dedicated Academician who Values Excellence in teaching, patient care, and scholarship) at GIM Annual Retreat in January 2020

Lee Lu, M.D.

- Star Faculty Award for Excellence in Patient Care
- Alpha Omega Alpha Honor Medical Society
- Internal Medicine Residency Program Faculty Awards – Best Continuity Clinic Teaching, Smith Clinic

Niraj Mehta, M.D.

- Internal Medicine Residency Program Faculty Awards Outstanding Faculty Teachers Chosen by Clinical Core Clerkship Students

Daniel Murphy, M.D.

- Star Faculty Award for Excellence in Patient Care

Ricardo Nuila, M.D.

- BCM Center for Ethics Service Award
- 2019 Young Alumnus Award—School of Medicine

Wendy Podany, M.D.

- Internal Medicine Residency Program Faculty Awards – Best Continuity Clinic Teaching MEDVAMC

Lee Poythress, M.D.

- Awarded Joseph R. Guitreau Consummate Physician Award at GIM Annual Retreat in January 2020

Marc Robinson, M.D.

- Internal Medicine Residency Program Faculty Awards – Best Inpatient Wards Teaching, Ben Taub

Jaime Rueda, M.D.

- Internal Medicine Residency Program Faculty Awards – Best Continuity Clinic Teaching, Martin Luther King Clinic

Zaven Sargsyan, M.D.

- Professional Educator Appreciation and Recognition, or PEAR, Awards to recognize mentors who have had a significant impact on first year medical students during their medical training
- Graduating Class Outstanding Faculty Award

Vandana Shah, M.D.

- Women of Excellence Award for 2020

Stephanie Sherman, M.D.

- Graduating Class Outstanding Faculty Award

Ryan Thomas, M.D.

- December Player of the Month for the That's the Way Patient Experience Reward

Isabel Valdez, M.P.A.S, PA-C

- "That's The Way" Patient Safety Award March 26, 2020

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

Joslyn Fisher, M.D.

- Co-Chair, Interest Groups, National Annual Program Committee, Society of General Internal Medicine

David Hilmers, M.D.

- Chief Medical Officer, Hepatitis B Free
- Chair-User Panel, Space Biomedical Research Institute

Nadia Ismail, M.D.

- Member, National Clerkship Directors in Internal Medicine Council

Anita Kusnoor, M.D.

- Fellow, American College of Physicians

Lee Lu, M.D.

- Lead Co-Chair, National Society of Internal Medicine Resident Clinic Director Interest Group

Ricardo Nuila, M.D.

- Advisory Board Member, Inprint
- Selection Committee, Logan Nonfiction Program

Susanne Savely, D.P.H.

- Credentialing Maintenance Board Member, American Biological Safety Association

Elizabeth Vaughan, D.O.

- Advisory Committee, State of Texas Community Health Workers Committee

Matthew Wanat, Pharm.D.

- Accreditation Committee – American College of Cardiology

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Sobia Khan, M.D.

- Editor for North American Menopause Society Research Abstracts

Zaven Sargsyan, M.D.

- Contributing Editor, *Human Diagnosis Project*

Stephanie Sherman, M.D.

- Contributing Editor, *Human Diagnosis Project*

Matthew Wanat, Pharm.D.

- Editorial Board, *American Journal of Pharmacy Education*

OTHER SIGNIFICANT ACCOMPLISHMENTS

- This has been a major year for recruitment, and we recruited 33 stellar recruits across our pavilions—McNair Campus, Ben Taub, BSLMC, Sugar Land and Vintage, and MEDVAMC, which has helped us grow and expand our practices.
- The VA hospitalist team created their first Direct Care Hospitalist team this past year, called the HI Team. They plan to expand and create the second VA Direct Care Hospitalist team in Fall 2020.
- GIM McNair added four more continuity clinics for residents.

Stephen Boone, M.D.

- Physician Advisor: Assumed role of Physician Advisor for Ben Taub Case Management Department

Jennifer Chen, M.D.

- Inducted to BCM Faculty Senate
- Selected to receive the Healthcare Hero Award and given "Defeat the Virus" pins from Valobra Jewelers on 05/2020



Rola El-Serag, M.D.

- Served as a panel speaker at Congresswoman Lizzie Fletcher’s Veterans Community Conversation and Resource Fair, held Oct. 26 at Houston Community College.

Cara Foldes, M.D.

- Selected as Director of Foundational Sciences Curriculum for the School of Medicine in July 2019

Melissa Fusilier

- Awarded a seat at the Hospital Medicine (HM) Administrators Executive Council for 2020-2021 with the Society of Hospital Medicine, where she will be representing Baylor College of Medicine as an active participant in affecting change on a national level for HM administrators.

Allison Heinen, D.O.

- Elected by the medical staff as an at-large member of MEC, an executive body at Baylor St. Luke's Medical Center.

Claudine Johnson, M.D.

- Selected to be part of the BCM Curriculum Renewal Workgroup
- Completed Master Teacher Fellowship Program, Baylor College of Medicine

Lindsay Jordan Gay, M.D.

- Selected to the Alpha Omega Alpha Faculty Executive Committee, which provides oversight, reviews applications and conducts elections.

Sobia Khan, M.D.

- Institute of Functional Medicine Certification

Lubna Khawaja, M.D.

- Speaker for a webinar hosted by the Houston Chapter of the Society of Hospital Medicine on the subject of "Strategies for COVID-19 response"

Erica Lescinskas, M.D.

- Completed Master Teacher Fellowship Program, Baylor College of Medicine,

Doris Lin, M.D.

- Won first prize for poster in clinical medicine category at Baylor House Staff Symposium

Lee Lu, M.D.

- Invited to present a half-day academic session on quality improvement for the Augusta University/University of Georgia internal medicine residents on October 2
- Inducted to BCM Faculty Senate
- Selected to receive the Healthcare Hero Award and given "Defeat the Virus" pins from Valobra Jewelers on 05/2020



Ricardo Nuila, M.D.

- Admitted to the Fall 2019 class of Logan Nonfiction fellows at the Carey Institute for Global Good in Rensselaerville, New York. The fellowship supports journalists, filmmakers, photographers, and documentarians. Dr. Nuila will be working on his book on safety net

hospitals and the care of the underserved, *The People's Hospital*, which will be published by Scribner in Spring 2021.

- Awarded a fellowship by MacDowell, an artist colony
- Wrote two articles in the *New Yorker* titled “The corona virus surge that Texas could have seen coming” and “To fight the corona virus you need an army”
- Invited to read from his upcoming book as a featured speaker at the Inprint Poets & Writers Ball, to be held Feb. 8 at *The Houstonian*. Inprint is Houston's premier literary arts nonprofit organization. Dr. Nuila will be reading from his book *The People's Hospital: Stories and Lessons from a Safety Net Hospital System*, which is based on patients and experiences at Ben Taub Hospital

Abiodun Oluyomi, Ph.D.

- Discussed geospatial considerations and ambient pollution concerns at the Hurricane Harvey Symposium: 2 Years Later, hosted by the Section of Epidemiology and Population Science and the Gulf Coast Center for Precision Environmental Health

Edgardo Ordonez, M.D.

- Physician Advisor: Assumed role of Physician Advisor for Ben Taub Case Management Department

Zaven Sargsyan, M.D.

- Invited weekly case discussant on *Clinical Problem Solvers Virtual Morning Report* (a national / international educational conference)
- Invited guest on the popular internal medicine podcast *The Clinical Problem Solvers*, discussing an approach to supraventricular tachycardia



Matthew Wanat, Pharm.D.

- Society of Critical Care Medicine – Presidential Citation
- Presented at the Society of Critical Care Medicine Texas Chapter 8th Annual Symposium
- Presented at national meeting at Society of Critical Care Medicine Annual Meeting, American Association of Colleges of Pharmacy 2019 Annual Meeting and American Association of Colleges of Pharmacy 2019 Annual Meeting

RESEARCH ACTIVITIES

Grants

Rebecca Bruhl, D.P.H., M.P.H.

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

Joslyn Fisher, M.D.

- Project Wellness from Within: Training Champions, Texas Chapter of the American College of Physicians

Winifred Hamilton, Ph.D.

- 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

Allison Heinen, D.O.

- Improving ICU handoffs, BSLMC Accelerating Clinical Excellence Grants

David Hilmers, M.D.

- Screening and Prevention of Hepatitis B and D in Kiribati; Gilead
- Intelligent Crew Assistant; NASA

Daniel Murphy, M.D.

- Developing Electronic Triggers to Understand Telemedicine-Related Diagnostic Errors During the COVID-19 Pandemic, DoM Vice Chair Group for Quality Improvement and Innovations Healthcare Innovations Grants

Ricardo Nuila, M.D.

- Narrative Medicine in the Texas Medical Center, Humanities Texas

Abiodun Oluyomi, Ph.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

Stephanie Sherman, M.D.

- To assess a medical education research elective for residents, Alliance for Academic Internal Medicine Education Innovation Grant

Elizabeth Vaughan, D.O.

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

Matthew Wanat, Pharm.D.

- Texas Improved Dissemination and Evaluation of Single-Use Disposal Pouches (TIDES), Texas Health and Human Services (via Substance Abuse and Mental Health Services Administration). Direct cost \$3,400,000/2 years
- Strategic Prevention Framework for Prevention of Prescription Drug Misuse, Texas Health and Human Services (via Substance Abuse and Mental Health Services Administration). Direct cost \$1,325,000/5 years

Publications

- | | |
|--|---|
| • American Journal of Pharmaceutical Education (IF 2.39): 1 | • Infection Control and Hospital Epidemiology (IF 2.660): 1 |
| • American Journal of Medicine (IF 5.003): 1 | • Infectious Disease in Clinical Practice (IF 4.511): 1 |
| • Annals of Internal Medicine (IF 21.317): 1 | • International Journal of Case Reports and Images (IF N/A): 1 |
| • Cardiovascular Drugs and Therapy (IF 4.000): 1 | • International Journal of Medical Informatics (IF 3.025): 1 |
| • Clinical Journal of American Society of Nephrology (IF 6.628): 1 | • Journal of American College of Cardiology Case Reports (IF 18.639): 1 |
| • Congenital heart disease (IF 1.663): 1 | • Journal of the American Pharmacists Association (IF 2.772): 2 |
| • Current Diabetes Review (IF 2.210): 2 | • Journal of Pain and Palliative Care Pharmacotherapy (IF 0.96): 1 |
| • Expert Review of Cardiovascular Therapy (IF 1.90): 1 | • JAMA Cardiology (IF 12.784): 1 |
| • Federal Practitioner (IF 0.37): 2 | • JAMA Internal Med (IF 18.652): 1 |
| • Heart Failure Review (IF 4.110): 1 | • JAMA network Open (IF 5.032): 1 |
| • Hypertension (IF 7.017): 1 | |

- Journal of American Heart Association (IF **4.45**): 1
- Journal of General Internal Medicine (IF **4.950**): 1
- Journal of Graduate Medical Education (IF **1.260**): 1
- Journal of Hospital Medicine (IF **2.276**): 1
- Journal of Mobile Technology (IF **N/A**): 1
- MedEdPORTAL (IF **N/A**): 2
- Obesity Science and Practice (IF **3.969**): 1
- Research and Practice in Thrombosis Hemostasis (IF **5.565**): 1
- Southern Medical Journal (IF **0.924**): 1
- Journal of Telemedicine and E-Health (IF **2.280**): 1
- The Journal of Emergency Medicine (IF **1.224**): 2
- World Journal of Men’s Health (IF **2.269**): 1

Books and Book Chapters

Anoop Agrawal, M.D.

- *Textbook for Combined Internal Medicine–Pediatrics Residency Training Programs*
 - Chapter 3.2, Domestic away rotations and international rotations
 - Chapter 3.5, MED–PEDS program specific policies

Joslyn Fisher, M.D.

- 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

David Hilmers, M.D.

- Hilmers DC, “Nonvenereal Treponematoses,” Chapter 145 in Feigin, et al. *Textbook of Pediatric Infectious Diseases, 8th edition*. 2018
- 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

Lee Lu, M.D.

- Lu, Barrette, Noronha, Sobel, Tobin. *Leading an Academic Medical Practice*. Cham: Springer, 2018

Wayne Shandera, M.D.

- Chapter subsection on coronavirus for the 2021 issue of the leading internal medicine textbook, *Current Medical Diagnosis and Treatment*; the chapter is “Viral and Rickettsial Diseases, and the subsection title is “Coronavirus 2019”
- Shandera WX, editor: *Expanding Our Calling, Social Ethics in Medical Education*, Hauppauge, NY: Nova Science Publishers, 2016
- Shandera WX, editor: *The Sub-Specialty Care of HIV-Infected Patients*, Hauppauge, NY: Nova Science Publishers, 2018

PRESS

Joslyn Fisher, M.D.

- Interviewed for the July 24 edition of BCM Moment Healthy Habits blog, titled “Healthy Habits: Dr. Joslyn Fisher enjoys boogie boarding, high-protein meal substitutions”

David Hilmers, M.D.

- Mentioned in a July 15 article in Culture Map Houston titled “All the out-of-this-world Houston events to celebrate Apollo 11’s 50th anniversary”
- Interviewed for a June 3 newscast titled “Old TB vaccine finds new life in coronavirus trials”



David Hyman, M.D.

- Interviewed for a Sept. 7 article in MedPage Today titled “Struggles, opportunities to address HTN in primary care”

Nadia Ismail, M.D.

- Interviewed for a June 18 article in BCM Momentum titled “Healthy Habits: Planning gym time, watching baseball help Dr. Nadia Ismail stay balanced”

Sobia Khan, M.D.

- Houston Chronicle 2020 Best of Best In Houston (Published in Houston Chronicle June 24th, 2020)
- Interviewed for an Aug. 6 article in BCM Momentum Health Habits titled “Healthy Habits: Dr. Sobia Khan enjoys painting, restful sleep and vegetable lasagna”

Daniel Murphy, M.D.

- Interviewed for an April 8 article in BCM Momentum titled “What is telemedicine?”
- Has an article, “Study identifies strategies to reduce EHR inbox overload” in Baylor College of Medicine Healthcare news

Ricardo Nuila, M.D.

- Interviewed for a May 4 article in TMC News titled “As a clinician, you feel the tremors of COVID. ... You have to train yourself to do less and observe more”



Marc Robinson, M.D.

- Interviewed for a May 6 article in Houston Public Media titled “The first Harris County Jail inmate with COVID-19 has died”; also interviewed for a second article in Houston Public Media titled “Conversations inside Harris County Jail reveal difficulty of stopping COVID-19 spread”

Isabel Valdez, M.P.A.S., PA-C

- Interviewed for a Dec. 30 article in BCM News titled “Small steps can lead to big leap in health this new year”
- Interviewed for a Feb. 10 newscast on KPRC-2 titled “Old wives’ tales: fact or fiction”
- Interviewed for a Feb. 24 article in BCM News titled “Don’t get lassoed by allergies and germs this rodeo season”; the subject also was covered in a Feb. 25 article in Mirage News of the same title
- Interviewed for a March 12 newscast on KHOU 11 titled “Coronavirus Questions: What questions do you have on COVID-19?”; also interviewed for several newscasts on Fox26 News, KPRC News, and several newscasts on Telemundo
- Interviewed for a March newscast on 25 KPRC NBC 2 titled “Coronavirus: answering your questions”
- Interviewed for a March 17 newscast on KRIV Fox 26 titled “Answering your coronavirus questions”; also interviewed for a March 16 article on Click2 Houston titled “Q&A: How to practice social distancing and other questions you need answers to”
- Interviewed for a March 19 article in BCM News titled “Soap is soap! And other ideas on staying germ free”; also interviewed for a March 23 newscast for KPRC NBC 2 titled “COVID-19 questions answered,” a March 26 newscast on KPRC NBC 2 titled “Answering your questions about the pandemic,” and a March 24 newscast for KPRC NBC 2 titled “Coronavirus: answering your questions”
- Interviewed for an April 7 article in the Fort Worth Star-Telegram titled “Stop the littering: Here’s the correct way to dispose of masks and gloves, experts say”; also interviewed for an April 9 newscast on KPRC NBC 2 titled “Answering your questions about the pandemic”
- Interviewed for a May 25 article on Lifehacker titled “How to weigh the risk of your child care options”



SECTION OF GERIATRICS AND PALLIATIVE MEDICINE



Section Chief

Aanand Naik, M.D.

Welcome to the Section of Geriatrics and Palliative Medicine at Baylor College of Medicine (BCM). Our faculty comprise a range of health professionals who practice in a variety of care settings. Geriatrics is a specialized field of medicine that focuses on the care of older adults. Our practice focuses on maintaining robust aging for older 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. 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 and consultative

care across several healthcare systems, including Baylor St. Luke's Medical Center (BSLMC) and the Kirby Glen Senior Care clinic, Ben Taub Hospital and the Harris Health System, the Michael E. DeBakey VA Medical Center (MEDVAMC) and its Community Living Center, Houston Methodist Hospital, Saint Dominic Village, and other community-based nursing facilities. The Section is home to a vibrant and large BCM Geriatrics Fellowship program, the first-in-the-nation VA geriatrics residency for Physician Assistants, and a key site for the MD Anderson Palliative Medicine Fellowship, and offers a subspecialty training year in wound care medicine. These advanced training programs anchor a broader training effort for residents and students in geriatrics and palliative medicine at BCM and provide an academic home for the Southeast Texas Geriatrics Workforce Enhancement Training Program (SETx-GWEP). The Section also conducts clinical and translational research supported by the National Institutes of Health, Department of Veterans Affairs, Health Resources & Services Administration, and prominent national foundations. Faculty hold secondary appointments at several BCM research centers, including the Huffington Center on Aging, the Houston Center for Innovations in Quality, Effectiveness, and Safety (IQuEst), The Section of Cardiovascular Research, the Center for Medical Ethics and Health Policy, and the BCM Institute for Clinical and Translational Research. In addition, faculty members have prominent roles in the quality improvement and patient safety mission at BCM, including leadership roles in the BCM Institute for Quality Improvement and Patient Safety (I-QUIPS), the Houston Methodist Hospital Accountable Care Organization, and the Department of Medicine, Vice Chair Group for Quality Improvement and Patient Safety.

A handwritten signature in black ink, appearing to read 'Aanand Naik'.

Aanand Naik, M.D.

Professor and Robert J. Luchi, M.D. Chair of Geriatric Medicine
Chief, Section of Geriatrics and Palliative Medicine

HIGHLIGHTS

- The SETx-GWEP was funded by the Health Resources & Services Administration (HRSA), starting July 1, 2019. This is a five-year, \$3.75 million U01 grant as part of HRSA's national Geriatrics Workforce Enhancement Program. We are one of two awarded grants in Texas and the lead institutions, and includes partnerships with the University of Texas Houston, the University of Houston, Texas Southern University, BakerRipley Senior Services, the Montrose Center, MEDVAMC, and several other area healthcare systems. The grant creates the foundation for a Geriatrics training and education center with outreach across southeast Texas.
- Kirby Glen Senior Care Clinic and the inpatient consult service at BSLMC continued to grow and expand over the course of the year. In 2019, U.S. News and World Report cited the Geriatrics program as one of the recognized programs at BSLMC with the expectation of building on that status for formal ranking in the coming years.
- Aanand D. Naik, M.D., was named permanent section chief after a national search after serving 15 months in the acting chief role. He also was bestowed the Robert J. Luchi, M.D. Chair in Geriatric Medicine. With this appointment, Dr. Naik facilitated the formal name change to the Section of Geriatrics and Palliative Medicine.
- Ursula Braun, M.D., Chief of the Palliative Medicine program at MEDVAMC, successfully recruited and onboarded the first two VA-supported palliative medicine fellows as part of the joint MD Anderson Palliative Medicine fellowship program.
- The Geriatrics Clinic at MEDVAMC received national recognition for its designation as an Age-Friendly Health System. This is the first site in the national VA system to achieve both the level 1 and level 2 designations from the Institute for Healthcare Improvement's international initiative to develop Age-Friendly Health Systems.

FACULTY

Section Leadership

- Aanand D. Naik, M.D. – Section Chief, Geriatrics and Palliative Medicine
- Sara S. Battar, M.D. – Chief of Geriatrics and Extended Care – MEDVAMC
- George Taffet, M.D. – Medical Director – Harris Health and Methodist Geriatrics
- Susan P. Williams, M.D. – Medical Director – BSLMC Senior Care Clinic

Faculty

Primary

- Kathryn Sowell Agarwal, M.D.
- Mariam Ahmed, M.D.
- Latha Archibold, M.D.
- Jordan Boynton, M.D.
- Ursula 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 Garcia, M.D.
- Janet Harlan, M.S.N., B.S.N., GNP-BC
- Syed Imam, M.D.

- Leanne Jackson, M.D.
- Rashmi Jaitly, M.D.
- Delma Jara, M.D.
- Kimberly Johnson, M.S.N., ANP-BC
- Ana Macias, M.D.
- Anita Major, M.D.
- Tolulope Omolayo, M.D.
- Shannon Pearce, M.D.
- Julia Reyser, M.D.
- Sheila Richey, M.D.
- Robert Roush, Ed.D., M.P.H.
- Joel Salazar, M.D.
- Geraldine Salmeron, M.D.
- Sarah Selleck, M.D.
- Glencora Sharfman, M.D.
- Mahveen Sohail, M.D.
- George Taffet, M.D.
- Susan Williams, M.D.

- Stacy Yang, P.A.

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 Poon, M.D.
- Tziona Regev, M.S.W.
- Robert Reichlin, Ph.D.
- Jeffrey Sherer, PharmD
- Nancy Wilson, M.A.
- Anita Woods, Ph.D.
- Munder Zagaar, PharmD, Ph.D.

HONORS AND ACHIEVEMENTS

Saraswathy Battar, M.D.

- Gears of Government Agency Award, April 2020 for medication deprescribing project VIONE

Angela Catic, M.D.

- Masters of Education Degree in Curriculum and Instruction, University of Houston

Anita Major, M.D.

- Norton Rose Fulbright in Teaching and Education Evaluation

Aanand Naik, M.D.

- Bestowed the Robert J. Luchi, M.D. Chair in Geriatric Medicine

George Taffet, M.D.

- HFpEF in the Elderly, Role of ExtraCardiac Factors Joint NHLBI/NIA meeting, Bethesda, MD

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

Saraswathy Battar, M.D.

- American Geriatrics Society

Angela Catic, M.D.

- American Geriatrics Society – Director of Educational Swap Session

Anita Major, M.D.

- American Academy of House Call Medicine – Education Committee

Aanand Naik, M.D.

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

George Taffet, M.D.

- American Geriatrics Society – Research Committee

Nancy Wilson, 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

Aanand Naik, M.D.

- Editorial Board Member, *Journal of the American Geriatrics Society*

George Taffet, M.D.

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

Nancy Wilson, M.A.

- *Journal of Gerontological Social Work*

OTHER SIGNIFICANT ACCOMPLISHMENTS

Saraswathy Battar, M.D.

- Quality Improvement and Patient Safety Contributions VIONE – Medication Deprescribing Methodology. Implemented across 76 VA facilities, deprescribed 302,592 non-essential medications on 146,951 Veterans with cost savings of \$17.7 million in 4 years
- Recognition from Age-Friendly Health for Institute for Healthcare Improvement

- MEDVAMC – Geriatric Primary Care Outpatient Clinic as Age-Friendly Health System – Committed to Care Excellence

Elizabeth Brierre, NP

- Expert panel: Quality Improvement in the Trenches of Home-Based Medical Care

Allison Dobecka, NP

- Awarded Poster of the Year at the American Academy of Home Care Medicine (Practice Innovations category)

Aimee Garcia, M.D.

- Elected to the Board of Directors of the National Pressure Injury Advisory Panel

Leanne Jackson, M.D.

- Most video visit calls for palliative care at the nation’s VA hospitals for the last two years

RESEARCH ACTIVITIES

Grants

Saraswathy Battar, M.D.

- Co-PI for HSRD Grant – Improving medication use for older adults: VIONE program

Angela Catic, M.D.

- Co-PI Geriatric Workforce Enhancement Program (Health Resources and Services Administration)

Aanand Naik, M.D.

- SETx-GWEP; HRSA U0119-008; 7/1/19-6/30/24 \$750,000 annual (total \$3.7 million) Program Director
- Patient Priorities Care Demonstration Project; Geriatrics and Extended Care Program; \$120,000 (PI)
- VA Quality Scholars Program Coordinating Center; VA Office of Academic Affiliations and VA Operating Funding; \$500,000 (Director)
- VA Big Data Scientist Training Enhancement Program; VA Office of Academic Affiliations and VA Office of Research and Development; \$180,000 (Program Director)
- VA Advanced Fellowship in Health Services Research; VA Office of Academic Affiliations and VA Health Services Research and Development; \$304,000 (Program Director)
- Patient Centered Care for Older Adults with Advanced Liver Disease; VA Health Services Research and Development; \$980,000 VA Health Services Research & Development; I01 HX-002204-01 (Multiple PI)
- Improving Care of Persons with Complex Health Conditions – \$1,615,983 (11/18-10/22 (sub-award \$108,806)) Hartford Foundation (Site PI)
- An Innovative Platform for Objective Monitoring of Instrumental Activities of Daily Living – \$1,200,000 (9/18-8/21) National Institute of Aging/NIH R42AG060853 (Co-I)

George Taffet, M.D.

- PI for Lilly COVID BLAZE 2 Study

Publications

- Age and Aging (IF **4.51**): 1
- Aging Mental Health (IF **2.48**): 1
- American Journal of Geriatric Psychiatry (IF **4.235**): 1
- Clinical Gastro Hepatology (IF **7.68**): 1
- Clinical Gerontologist (IF **1.01**): 1
- Diabetes Care (IF **15.3**): 2
- Diabetic Medicine (IF **3.09**): 1
- Endocrinology, Diabetes and Metabolism (IF): 1
- Hepatology (IF **14.1**): 1
- Journal of the American Geriatrics Society (IF **4.39**): 4
- Journal American Medical Directors Association (IF **4.89**): 1
- Journal American Society Nephrology (IF **9.27**): 1
- Journal Cardiovascular Nursing (IF **1.533**): 2
- Journal Health Psychology (IF **1.21**): 1
- Journal Healthcare Quality (IF **1.09**): 1
- Journal American Medical Association – Internal Medicine (IF **18.65**): 1
- Journal American Medical Association – Open Network (IF **5.03**): 2
- Journal Interprofessional Care (IF **0.77**): 1
- Journal Physiology (IF **4.55**): 1
- Journal Stem Cell (IF **3.23**): 1
- Journal Surgical Research
- MDedge (IF: **0.5**): 1
- Psycho-Oncology (IF **1.87**): 1
- Sensors (IF **3.03**): 1
- Journal of Telemedicine and E-Health (IF **2.28**): 1

Books and Book Chapters

Kathryn Agarwal, M.D.

- Heart Failure and Cognitive Impairment. In: *Management of Medical Comorbidities in Patients with Dementia*

Ursula Braun, M.D.

- Geriatric Health Maintenance/Preventive Care and Prognosis. In: *Dementia and Chronic Disease: Management of Comorbid Medical Conditions*

Angela Catic, M.D.

- Dementia and Chronic Disease in Elderly. In: *Dementia and Chronic Disease*
- Management of Cognitive Function in Older Adults with Dementia. In: *Dementia and Chronic Disease*

Aimee Garcia, M.D.

- Skin Conditions in the Elderly Patient with Dementia. In: *Dementia and Chronic Disease*

George Taffet, M.D.

- Normal and Abnormal Aging (General Perspective for the Oncologist). In: *Geriatric Oncology*

PRESS

Angela Catic, M.D.

- Interviewed on The Homestretch podcast (Nov 2019)
- Interviewed by CBS News I Newspath, Los Angeles bureau (Apr 2020)
- Interviewed by BCM News, “Assisting the Elderly through COVID-19 (Apr 2020)
- Interviewed by Fox 26 News (Apr 2020)

Julia Reyser, M.D.

- Interviewed by Click 2 Houston (KPRC) (June 2020)

Nancy Wilson, M.A.

- Quoted in La Feria News article “Social distancing should not equal social isolation”

CENTERS

Southeast Texas Geriatrics Workforce Enhancement Program

The SETx-GWEP is a federally-funded U01 training program partnering with health professions, schools and facilities across Southeast Texas. It is one of two GWEP programs in Texas and among a select number of federal U01-funded programs supported by the Health Resources & Services Administration. The BCM Geriatrics and Palliative Medicine Section leads a regional consortium that includes partnerships with UT Houston, University of Houston, Texas Southern University, BakerRipley Senior Services, the Montrose Center, MEDVAMC, and several other area healthcare systems. The grant creates the foundation for a Geriatrics training and education center with outreach across Southeast Texas. The SETx-GWEP was established in July 2019 with funding until June 2024.

Roy M. and Phyllis Gough Huffington Center on Aging

The Section of Geriatrics and Palliative Medicine is the clinical and education partner for the Huffington Center on Aging (HCOA). The HCOA was established 30 years ago and is one of the premier aging centers in the world. The HCOA addresses the needs of an aging population by providing medical education and training, conducting basic and clinical science research, and delivering healthcare through Baylor-affiliated hospitals and other institutions.

SECTION OF HEALTH SERVICES RESEARCH



SECTION CHIEF

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

The Department of Medicine Section of Health Services Research, also known as IQuEST, the Center for Innovations in Quality, Effectiveness and Safety, is the largest center for health services research in the southwestern United States. The IQuEST mission, “*Improving health and well-being through innovations in healthcare delivery,*” demonstrates our commitment to transformative and innovative research, and is achieved through the following goals:

- Innovation – to conduct research on healthcare delivery that impacts policy, practice and the health of patients and populations
- Implementation – to disseminate and implement innovations in healthcare delivery
- Mentorship – to train and mentor researchers and leaders in healthcare delivery science

At IQuEST, we conduct high-quality scientific research that improves the health of patients across the nation, by helping to ensure the patient-centered delivery of scientific discoveries. Our research extends from patient experience, to clinical practice and outcomes of care, to the development of healthcare policy, and is disseminated to key policy makers, healthcare administrative leaders, influential stakeholders, the mainstream media, as well as the best academic journals and professional scientific societies.

IQuEST is organized into the following four scientific programs: Behavioral Health, Clinical Effectiveness & Population Health, Health Policy, Quality & Informatics, and Implementation Science & Innovation. The Administration & Operations Core, Education & Training Core, and Methodology & Analytics Core support our scientific programs. The goal of each program is to provide outstanding leadership and scholarship to produce the best science in its area of emphasis while collaborating effectively across programs and researchers in the scientific community.

I am pleased to share the highlights and achievements of this academic year.

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

Director, Center for Innovations in Quality, Effectiveness & Safety
Chief, Section of Health Services Research at Baylor College of Medicine

HIGHLIGHTS

- **Barbara Trautner, M.D., Ph.D.: Media**
The Mighty, “[Houston VA begins clinical trial for COVID-19 treatment](#)”

MEDVAMC, "[Houston VA Begins Clinical Trial for COVID-19](#)
VA Research Currents, "[VA participates in COVID-19 trial on drug used to curb inflammation](#)"

VAantage, "[Houston VA begins clinical trial for COVID-19 treatment](#)

- **Hardeep Singh, M.D., M.P.H.: Publication and Media**

Gandhi TK, Singh H. Reducing the Risk of Diagnostic Error in the COVID-19 Era. *J. Hosp. Med.* 2020 June;15(6):363-366

Sittig, D.F. and Singh, H., 2020. COVID-19 and the Need for a National Health Information Technology Infrastructure. *JAMA*

- **Aanand Naik, M.D: Project**

Southeast Texas Geriatrics Workforce Enhancement Training Program, Health Resources & Services Administration, Role: Program Director, Funding: 7/1/19-6/30/24, \$750,000/year for 5 years

- **Aanand Naik, M.D, Lillian Dindo, Ph.D, Natalie Hundt, Ph.D: Project and Publications**

Naik, A.D., Dindo, L.N., Hundt, N.E., et al., 2018. Development of a clinically feasible process for identifying individual health priorities. *J. Amer. Geriatr. Soc.*, 66(10), pp.1872-1879

- **Javad Razjouyan, Ph.D., M.Sc. Eng., Mark Kunik, M.D., M.P.H., Aanand Naik, M.D.: Publication**

Razjouyan J, Kunik ME, Naik A, et al. Toward Using Wearables to Remotely Monitor Cognitive Frailty in Community-Living Older Adults: An Observational Study. *Sensors* (Basel). Apr 14; 2020(8):2218. PMID: 32295301

FACULTY

Section Leadership

- Laura Petersen, M.D., M.P.H., F.A.C.P.: Director
- Drew Helmer, M.D., M.S.: Deputy Director
- Hardeep Singh, M.D., M.P.H.: Program Chief, Health Policy, Quality and Informatics
- Mark Kunik, M.D., M.P.H.: Program Chief, Behavioral Health
- Thomas Giordano, M.D., M.P.H., Program Chief, Clinical Effectiveness and Population Health
- Aanand Naik, M.D., Program Chief, Implementation Science and Innovation
- Natalie Hundt, Ph.D., Program Chief, Education and Training Core
- Jessica Davila, Ph.D., Program Chief, Methodology and Analytics Core
- Shannon Kenyon, M.B.A, Program Chief, Administration and Operations

Faculty

Primary

- Amber Amspoker, Ph.D., M.S.
- Israel Christie, Ph.D.
- Patricia Chen, Ph.D.
- Jessica Davila, Ph.D.
- Lillian Dindo, Ph.D.
- Traber Giardina, Ph.D.
- Kyler Godwin, Ph.D., M.P.H.
- Drew Helmer, M.D., M.S.

- Molly Horstman, M.D., M.P.H.
- Sylvia Hysong, Ph.D.
- Jennifer Kramer, Ph.D.
- Houston Lester, Ph.D.
- Ashley Meyer, Ph.D., M.S.
- Daniel Murphy, M.D., M.B.A.
- Sara Nowakowski, Ph.D., C.B.S.M., D.B.S.M.
- Patrick O'Mahen, Ph.D.
- Laura Petersen, M.D., M.P.H., F.A.C.P.
- Javad Razjouyan, Ph.D., M.Sc. Eng.
- Peter Richardson, Ph.D., M.S.
- Vivian Ho, Ph.D.
- Shubhada Sansgiry, Ph.D.

- Hardeep Singh, M.D., M.P.H.
- Richard Street Jr, Ph.D.
- Barbara Trautner, M.D., Ph.D.
- Annette Walder, M.S.
- Donna White, Ph.D.
- Andrew Zimolzak, M.D., M.P.H.

Secondary

- Mark Kunik, M.D., M.P.H.
- Jeffrey Cully, Ph.D.
- Nader Massarweh, M.D., M.P.H.

Adjunct

- Dean Sittig, Ph.D.
- LeChauncy Woodard, M.D., M.P.H.

HONORS AND ACHIEVEMENTS

Lilian Dindo, Ph.D.

- Outstanding Faculty Educator, IQuEST, Baylor College of Medicine (BCM) and Houston and Michael E. DeBakey VA Medical Center (MEDVAMC)

Kyler Godwin, Ph.D.

- 3rd Annual Excellence in Service Faculty Award, IQuEST, January 2020

Molly Horstman, M.D.

- Outstanding Faculty Educator Award at IQuEST

Daniel Murphy, M.D.

- BCM Star Faculty Award for Excellence in Patient Care



IQuEST Outstanding Faculty Educator Awards and Mentor of the Year Award were presented at the Faculty meeting on August 7th to Drs. Lilian Dindo and Kyler Godwin for their work across multiple domains.

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

Jessica Davila, Ph.D.

- Director, Population Health Program for Medical Students, Office of Curriculum, BCM
- Co-Director, VA/NCI Big Data Advanced Fellowship Program, IQuEST and BCM, 2015-present
- Chair, MEDVAMC and Houston VA Health Services Research & Development (HSR&D) Center of Excellence Data Security Committee, October 2010-present

Traber Giardina, Ph.D.

- Special Emphasis Review Panel Member for Agency for Healthcare Research and Quality (AHRQ), 2019-present

Kyler Godwin, Ph.D.

- Co-Director, Health Professions Education Evaluation and Research Fellowship, IQuEST, December 2017-present
- Co-Director, Big Data Scientist Training Enhancement Program, IQuEST, October 2016-present
- Department of Medicine, Vice Chair Group for Quality Improvement and Innovation, Evaluation Specialist, March 2017-present
- BCM, Master Facilitator, Team Launch, 2017-present
- Assistant Director of Education, BCM Institute for Continuing Professional Development in Quality Improvement and Patient Safety (QI/PS Institute), May 2019-present

Vivian Ho, Ph.D.

- Member, Program Review Panel, National Institute on Aging, Second Stage Review (2019)
- Member, Board of Scientific Counselors, National Center for Health Statistics
- Member, American Society of Health Economics, 2004-present
- Member, American Economics Association, 1986-present
- Member, Executive Committee (2014-present), Texas Medical Center Health Policy Institute
- James A. Baker III Chair in Health Economics, Rice University's Baker Institute for Public Policy



Barbara Trautner, MD, PhD with her outstanding team taken at BCM Awards Ceremony on May 16th, where she received the Barbara and Corbin J. Robertson, Jr. Presidential Award, BCM's most prestigious, college-wide, competitive award for faculty educational service.

Molly Horstman, M.D.

- Vice Chair Group Member; Vice Chair for Quality Improvement and Innovation, Department of Medicine, Baylor College of Medicine, 2017-present
- Member, Infectious Diseases Society of America Clinical Practice Guideline on the Treatment of Unitary Tract Infection (National)

Sylvia Hysong, Ph.D.

- Chair, Norton Rose Fulbright Education Grants Committee, 2019-present
- Subject Matter Expert. National Cancer Institute, Organizations in Healthcare Workshop, 2019
- Fellow, Society for Industrial/Organizational Psychology, 2020

Mark Kunik, M.D., M.P.H.

- Chair, BCM, Department of Psychiatry & Behavioral Sciences, Residency Awards Subcommittee, 1998-present
- Vice Chair, BCM, Department of Psychiatry & Behavioral Sciences, Faculty Appointments and Promotions Committee, 2000-present, 2011-present
- BCM, Department of Psychiatry & Behavioral Sciences, Research Committee, 2000-present
- Co-Chair, MEDVAMC/BCM Department of Psychiatry & Behavioral Sciences, Faculty Recruitment Committee, 2007-present
- Texas Takes on Dementia Project: Advancing Dementia Care within the Texas Dual Eligible Integrated Care Program Steering Committee, 2017-2020

Ashley Meyer, Ph.D.

- Special Emphasis Review Panel Member, AHRQ, 2019-present
- Co-Chair, The Society to Improve Diagnosis in Medicine's 13th Annual Diagnostic Error in Medicine Conference, Minneapolis, Minnesota, 2020
- Chair, The Society to Improve Diagnosis in Medicine's Research Committee, 2020-present

Daniel Murphy, M.D.

- Chair, BCM Faculty Group Practice Quality Improvement and Patient Safety Committee, 12/2018-present
- Team Lead, General Internal Medicine Process Improvement Team, Department of Medicine, BCM, February 2013-present
- Medical Director, General Internal Medicine, Department of Medicine, BCM, April 2015-present
- Team Lead, BCM Faculty Group Practice Hypertension Task, November 2018-present
- Clinical Laboratory Improvement Amendments Director (Interim), Baylor Clinic and McNair Campus Laboratories, December 2018-present
- Director, Baylor St. Luke's Medical Group Board of Directors, February 2017-present
- Director, Board of Directors, Renaissance Physicians Baylor Physicians Organized Delivery system, October 2017-present

Aanand Naik, M.D.

- Robert J. Luchi, M.D., Chair in Geriatrics Medicine, BCM
- Director, Implementation Science, Institute for Clinical and Translational Research, BCM

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

- Member, Performance Measurement Committee of the American College of Physicians, 2018-2019
- Member, Alliance for Academic Internal Medicine Strategic Planning Subcommittee for Population Health. 2018-present
- Member, Texas Medical Center Health Policy Institute, 2012-present
- Member, Texas Medical Center Strategic Planning Initiative Steering Committee, 2013-present

- Member, Texas Medical Center Council of Research Directors, 2014-present
- Co-Chair, Texas Medical Center Clinical Research Design Team, 2014-present
- Chair, Internal Advisory Committee, Cancer Prevention and Research Institute of Texas Training Program, “Cancer Prevention Post-Graduate Training Program in Integrative Epidemiology,” 2016-present
- Member, Barbara and Corbin J. Robertson, Jr. Award for Excellence in Education Selection Committee, 2016-2018
- Health Policy Scholar, Center for Medical Ethics and Health Policy, BCM, 2016-present
- Co-Chair, VA Health Services Research & Development National Meeting Planning Committee, 2017-2019
- Member, BCM Department of Medicine Vice Chair for Research Committee, 2017-present
- Member, BCM Strategic Planning Advisory Committee, 2017-present; and Co-Chair, Population Health Workgroup, 2017-present
- Member, Greater Houston Healthconnect Research Committee, 2017-present
- Member, BCM Center of Excellence, Health Equity, Training, and Research Advisory Council, 2017-present
- Member, BCM Clinical Research and Development Subcommittee for IT Data, 2017-present
- Member, BCM Department of Medicine Chief of Pulmonary/Critical Care/Sleep Search Committee, 2018-2019
- Member, BCM Department of Medicine Ben Taub Hospital Chief of Medicine Search Committee, 2018-2020
- Member, BCM Department of Medicine Chief of Endocrine Section Search Committee, 2017-2019
- Member, Planning Committee, BCM Datathon, 2019-present
- Member, BCM Department of Medicine Chief of Epidemiology and Population Section Search Committee, 2020-present
- Member, Organizing Committee, BCM Health & Science Policy Research Day, 2020

Hardeep Singh, M.D., M.P.H.

- Member, Faculty Research and Fellowship Support Committee, BCM, 2011-present
- Member, Core Clerkship Committee, BCM, 2003-present
- Member, Faculty Research and Fellowship Support Committee (Jr Faculty Seed Committee), BCM, June 2009-present
- Committee Member, National Quality Forum, “Improving Diagnostic Quality & Safety/Reducing Diagnostic Error: Measurement Considerations Committee,” Fall, 2019

Richard Street, Jr, Ph.D.

- External Evaluator, National Cancer Institute's Centers for Excellence in Cancer, Communication, 2003-present

Barbara Trautner, M.D., Ph.D.

- Review Panel: National Institutes of Health National Institute of Diabetes and Digestive and Kidney Diseases ZRG1 DKUS-R 90 study section (urology), 2018-present
- Review Panel: Antimicrobial Stewardship Executive Committee of the Houston Health Department, 2018-present
- Co-Chair of Infectious Disease Society of America's International Guidelines Committee for urinary tract infection (cystitis), 2018-present
- Co-Chair 2019 Update of the Urinary Tract Infection Guidelines for Infectious Diseases of America



IQuEst fellows graduation (l-r): Patrick O'Mahen, Houston Lester, Shruthi Rajashekara, and Javad Razjouyan.

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Amber Amspoker, Ph.D.

- Editorial Board, *Journal of Clinical Psychology in Medical Settings*, December 2015-present,

Jeffrey Cully, Ph.D.

- Editorial Board, *Psychological Services*, 2013-present

Jessica Davila, Ph.D.

- Editorial Board, *World Journal of Gastroenterology*, 2010-present
- Editorial Board, *World Journal of Clinical Oncology*, 2010-present

Vivian Ho, Ph.D.

- Editorial Board, *American Journal of Health Economics*, 2014-present

Sara Nowakowski, Ph.D.

- Editorial Board: *Journal of Behavioral Sleep Medicine*
- Editorial Board: *Journal of Sleep Health*
- Associate Editor, *SLEEP Advances*

Shubhada Sansgiry, Ph.D.

- Editorial Board Member, *Journal of Pharmaceutical Analytics and Insights*, 2016-present



Our keynote speaker from the IQuEst Fellows Graduation Ceremony, Dr. Hardeep Singh, provided a great message for graduating fellows, which is captured in the photo.

Richard Street, Jr, Ph.D.

- Editorial Board, *Patient Education and Counseling*, 2000-present
- Associate Editor, *Patient Education and Counseling*, 2019-present

Barbara Trautner, M.D., Ph.D.

- Editorial Board Member, *Journal of Surgical Research*, 2018-present

OTHER SIGNIFICANT ACCOMPLISHMENTS**Kyler Godwin, Ph.D.**

Dr. Kyler Godwin (Educational Director for I-QIPS and a national Director of the VA Quality Scholars Program Coordinating Center) will work with Dr. Neeraj Agrawal and the Institute for Quality Improvement and Patient Safety (I-QIPS) to implement an intermediate-level training course tailored to the Baylor hospitalists at Baylor St. Luke's Medical Center (BSLMC). Together they will mentor multiple hospitalists as they work through clinical QI projects. Both Drs. Godwin and Agrawal have served as instructors in the current QI Jumpstart courses offered through I-QIPS. The goal is to develop increased capacity for QI work at BSLMC while delivering 2-3 QI projects that align with hospital priorities. Projects will end with scholarly work submitted to either local or national meetings.

Molly Horstman, M.D.

Molly Horstman was the FY20 Vice Chair Group for Quality Improvement and Innovations awardee for her proposal to develop a strategic plan for a BCM Hospital Medicine Fellowship in Healthcare Improvement. Dr. Horstman is a national leader in healthcare improvement education and is working with a team of faculty and residents to develop the structure necessary to support a healthcare improvement fellowship at BCM. Through this award, Dr. Horstman and her team will gather lessons learned from hospital medicine fellowships at peer academic institutions, develop a formal curriculum and evaluation structure for a Hospital Medicine Fellowship in Healthcare Improvement, and create a business case for supporting a hospital medicine fellowship at BCM.

Daniel Murphy, M.D.

Dr. Daniel Murphy was the FY21 awardee of the Vice Chair Group for Quality Improvement and Innovations Innovation grant for his proposal, "Developing Electronic Triggers to Understand Telemedicine-Related Diagnostic Errors During the COVID-19 Pandemic." His application was selected for funding because it received an outstanding score from the review panel and the project was deemed to have a high likelihood of future extramural funding.

National Academy of Medicine – Taking Action Against Clinician Burnout: A Systems Approach to Professional Well-Being (2019)

Citations

Gregory, M. E., Russo, E., & Singh, H. (2017). Electronic health record alert-related workload as a predictor of burnout in primary care providers. *Applied clinical informatics*, 8(3), 686.

Sittig, D. F., Wright, A., Coiera, E., ... & Singh, H., (2020). Current challenges in health information technology-related patient safety. *Health informatics journal*, 26(1), 181-189.

American Journal of Preventive Cardiology – Continuity of Care and Outpatient Management for Patients with and at High Risk for Cardiovascular Disease during the COVID-19 Pandemic (2020)

Virani, S. S., Akeroyd, J. M., ... & Petersen, L. A. (2016). Comparative effectiveness of outpatient cardiovascular disease and diabetes care delivery between advanced practice providers and physician providers in primary care: implications for care under the Affordable Care Act. *American Heart Journal*, 181, 74-82.

Virani, S. S., Akeroyd, J. M., Ramsey, D. J., ... & Petersen, L. A. (2018). Healthcare resource utilization for outpatient cardiovascular disease and diabetes care delivery among advanced practice providers and physician providers in primary care. *Population Health Management*, 21(3), 209-216.

RESEARCH ACTIVITIES

Grants

Jessica Davila, Ph.D.

- HSR&D: A multi-intervention to improve cancer care for hepatocellular carcinoma
Total funding: \$1,158,925
- VA: Evaluation Plan Development for the rural health faculty development project
Total funding: \$111,999
- VA: Coordinating Hub to Promote Research Optimizing Veteran-centric HER Networks (PROVEN)
Total funding: \$457,525
- HSR&D: Health Services Research and Development Service Researchers and Evaluators in Residence Program
Total funding: \$55,704



Hardeep Singh, MD, MPH has been selected by Expertscape as being one of the top 0.1% of scholars writing about safety over the past 10 years, a level they label as "World Expert".

Lilian Dindo, Ph.D. / Barbara Rakel, Ph.D. (co-PIs)

- NRI R01 subcontract: Preventing Persistent Post-Surgical Pain and Dysfunction in At-Risk Veterans: Effect of a Brief Behavioral Intervention
Total Funding: \$1,533,886

Kevin Erickson, M.D.

- HCHS: Potential Cost Savings from More Widespread Use of Peritoneal Dialysis
Total Funding: \$536,060

Traber Lee Giardina, Ph.D.

- NIH K01: Engaging patients in diagnostic error reporting
Total funding: \$766,326

Kyler Godwin, Ph.D., M.P.H.

- QUERI: Leading healthcare improvement: Leadership training for applying improvement strategies
Total funding: \$231,274
- VA: Coordinating Center for the Advanced Fellowship in Health Professions Education Evaluation and Research
Total funding: \$582,000/year

Drew Helmer, M.D.

- DoD: Lung injury etiology, risk factors, and morbidity of single and repeated low-level overpressure exposure
Total funding: \$660,543

Sylvia Hysong, Ph.D.

- National Institutes of Health (NIH) R01: Impact of team configuration and team stability on primary care quality
Total funding: \$1,572,813

Fasiha Kanwal, M.D., M.S.H.S./Aanand Naik, M.D. (co-PIs)

- HSR&D: Patient centered care for individuals with advanced liver disease
Total funding: \$989,090

Fasiha Kanwal, M.D., M.S.H.S./Hashem El-Serag, M.D., M.P.H. (co-PIs)

- Research Training in Gastroenterology
Total Funding: \$931,630

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

- Department of Defense: Risk of Hepatocellular Cancer After Virological Cure with Direct Acting Antiviral Agents in Individuals with Hepatitis C
Total Funding: \$1,151,093

Jennifer Kramer, M.P.H., Ph.D.

- NIH R01: NCE: Identifying Novel Pharmacologic Risk Factors for Common Non-AIDS Defining Cancers in Individuals with Well-Controlled HIV Infection
Total funding: \$2,331,844

Ashley Meyer, Ph.D.

- HSR&D: Understanding physicians' diagnostic accuracy in the HER era
Total funding: \$784,110

Daniel Murphy, M.D., M.P.H.

- AHRQ K08: Understanding Provider Workflow Needs in Electronic Communication
- Total Funding: \$766,368

Aanand Naik, M.D.

- HSR&D: Advanced Fellowships in Health Services Research
Total funding: \$1,340,000
- GEC: Patient Priorities Care
Total funding: \$100,000
- VA: Big Data Scientist Training Enhancement Program
Total funding: \$40,000/year per faculty member

Aanand Naik, M.D./Angela Catic, M.D.

- HRSA: Southeast Texas Geriatrics Workforce Enhancement Program
Total funding: \$3,749,881

Sara Nowakowski, Ph.D.

- NIH R01: SleepHab: Effectiveness of Healthy Sleep Habits for Hospitalized Older Adults to Optimize Rehabilitation
Total Funding: \$2,573,711

Patrick O'Mahen, Ph.D.

- HSR&D: Effects of ACA state Medicaid expansion on VA dual enrollment and care utilization
Total funding: \$50,000

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

- HSR&D: Rapid assessment of national surges and variations in COVID-19 inpatient nurse staffing using a big data approach
Total funding: \$174,261
- VA: Center for Innovations in Quality, Effectiveness, and Safety
Total funding: \$4,000,000
- VA: Under Secretary's Award for Outstanding Achievement in Health Services Research
Total funding: \$155,000

- HSR&D: Improving the measurement of VA facility performance to foster a Learning Healthcare System
Total funding: \$1,099,906

Javad Razjouyan, Ph.D.

- MEDVAMC Seed: Using Large Electronic Health Records and Advanced Analytics to Develop Predictive Frailty Trajectories in Patients with Heart Failure
Total Funding: \$50,000
- Using Large Electronic Health Records and Advanced Analytics to Develop Predictive Frailty Trajectories in Patients with Heart Failure
Total Funding: \$802,684

Hardeep Singh, M.D., M.P.H.

- CanTest UK subcontract: Cancer diagnostic testing in primary care: a paradigm shift for cancer diagnosis
Total funding: \$259,017
- Gordon and Betty Moore Foundation: The SAFER DX Learning Lab: A Demonstration Project for Improving Diagnostic Safety
Total funding: \$3,525,397
- HSR&D: Measuring and improving the safety of test result follow up
Total funding: \$1,099,807
- Gordon and Betty Moore Foundation: The SAFER DX Guide for Organizational Risk Assessment to Improve Diagnostic Safety: A Proposal for Development and Refinement
Total funding: \$307,602
- Gordon and Betty Moore Foundation: SAFER DX E-Measures to Reduce Preventable Delays in Cancer Diagnosis
Total funding: \$520,173
- AHRQ: Master and Task Order (75P00119F37006) – Diagnostic Safety Capacity Building
Total funding: \$854,992
- AHRQ R01: Application of machine learning to enhance e-triggers to detect and learn from diagnostic safety events
Total funding: \$1,494,980
- AHRQ R01 subcontract: Missed Opportunities for Improving Diagnosis in Pediatric Emergency Care
Total Funding: \$334,299

Hardeep Singh, M.D., M.P.H./Priya Mahajan, M.D. (co-PIs)

- AHRQ R18 subcontract: Improving diagnosis in emergency and acute cancer: A learning laboratory
Total funding: \$2,476,657

Felicia Skelton, M.D., M.S.

- HSR&D: Optimizing bacteriuria management in veterans with spinal cord injury
Total funding: \$1,235,361

Barbara Trautner, M.D., Ph.D./Larissa Grigoryan, M.D. (co-PIs)

- AHRQ R01: Reducing use of antibiotics without a prescription among outpatients in a safety net healthcare system
Total funding \$2,460,456

Barbara Trautner, M.D., Ph.D.

- HSR&D: Less is More: Improving antimicrobial stewardship for asymptomatic bacteriuria
Total funding: \$1,098,817
- VA: Surgical Health Services Academy for Research and Education
Total Funding: \$30,000/year per faculty member

Andrew Zimolzak, Ph.D.

- Amgen: A 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 (GALACTIC-HF)
Total Funding: \$134,568

Publications

- Academic Emergency Medicine (IF **2.5**): 1
- Academic Medicine (IF **5.083**): 2
- Aging and Mental Health (IF **2.956**): 1
- AIDS and Behavior (IF **3.312**): 1
- Alimentary Pharmacology and Therapeutics (IF **7.517**): 1
- American Health Drug Benefits (IF **2.33**): 2
- American Heart Journal (IF **4.153**): 1
- American Journal of Cardiology (IF **2.560**): 1
- American Journal of Clinical Nutrition (IF **6.77**): 1
- American Journal of Geriatric Psychiatry (IF **3.488**): 1
- American Journal of Infection Control (IF **2.294**): 2
- American Journal of Medicine (IF **4.529**): 1
- American Journal of Kidney Diseases (IF **6.653**): 1
- Annals of Internal Medicine (IF **21.317**): 2
- Annals of Neurology (IF **9.037**): 1
- Annals of the American Thoracic Society (IF **4.836**): 1
- Antiviral Research (IF **4.909**): 1
- Applied Clinical Informatics (IF **2.147**): 1
- Archives of Physical Medicine and Rehabilitation (IF **2.697**): 1
- Behavioral Sleep Medicine (IF **2.871**): 1
- Baker Institute Health Policy Brief (IF N/A): 1
- BMC Geriatrics (IF **3.020**): 1
- BMJ Open (IF **2.496**): 1
- BMJ Quality and Safety (IF **6.084**): 2
- Cancer Epidemiology (IF **2.711**): 1
- Clinical and Translational Science (IF **3.373**): 1

- Clinical Gastroenterology and Hepatology (IF **8.549**): 2
- Clinical Gerontologist (IF **1.375**): 1
- Clinical Infectious Diseases (IF **9.117**): 2
- Clinical Microbiology and Infection (IF **7.117**): 1
- Cognitive and Behavioral Practice (IF **2.096**): 1
- Contemporary Clinical Trials (IF **1.832**): 1
- Counseling Psychologist (The) (IF **2.263**): 1
- Current Opinion in Psychology (IF **3.430**): 1
- Critical Care Medicine (IF **7.414**): 2
- Diabetes Care (IF **15.3**): 2
- Diabetic Medicine (IF **3.083**): 1
- Diagnosis (IF **2.489**): 2
- Endocrinology, Diabetes, and Metabolism (IF **1.02**): 1
- Exploratory Research and Hypothesis in Medicine (IF **0.14**): 1
- Frontiers in Microbiology (IF **4.235**): 1
- General Hospital Psychiatry (IF **3.220**): 1
- Gerontology (IF **3.540**): 1
- Health Services and Outcomes Research Methodology (IF **1.45**): 1
- Hepatology (IF **14.079**): 2
- HRQ Issue Brief Report (IF **N/A**): 1
- Indoor Air (IF **4.920**): 1
- Infection Control & Hospital Epidemiology (IF **2.938**): 4
- Infectious Diseases and Therapy (IF **4.307**): 1
- Inflammatory Bowel Diseases (IF **4.261**): 1
- International Journal for Quality in Health Care (IF **1.957**): 2
- International Journal of Behavioral Medicine (IF **2.139**): 1
- International Journal of Environmental Research & Public Health (IF **2.468**): 1
- International Journal of Medical Informatics (IF **3.025**): 2
- International Psychogeriatrics (IF **2.94**): 1
- JAMA (IF **45.540**): 2
- JAMA Internal Medicine (IF **18.652**): 2
- JAMA Network Open (IF **5.032**): 8
- Joint Commission Journal on Quality and Patient Safety (IF **3.281**): 1
- Journal of Acquired Immune Deficiency Syndrome (IF **3.475**): 4
- Journal of Applied Gerontology (IF **2.144**): 1
- Journal of Clinical Psychiatry (IF **3.890**): 1
- Journal of Forensic Nursing (IF **0.339**): 1
- Journal of General Internal Medicine (IF **4.597**): 2
- Journal of Geriatric Psychiatry and Neurology (IF **2.515**): 1
- Journal of Healthcare Quality (IF **0.963**): 2
- Journal of Hepatology (IF **20.582**): 1
- Journal of Hospital Medicine (IF **2.276**): 1
- Journal of Interprofessional Care (IF **1.726**): 1
- Journal of Medical Education and Curricular Development (IF **N/A**): 1
- Journal of Medical Internet Research (IF **5.03**): 1
- Journal of Military and Veterans' Health (IF **0.22**): 1
- Journal of Mobile Technology in Medicine (IF **N/A**): 1
- Journal of Palliative Medicine (IF **2.085**): 1
- Journal of Patient Safety (IF **3.03**): 2
- Journal of Psychiatric Practice (IF **1.161**): 1

- Journal of Surgical Education (IF **2.220**): 1
- Journal of Surgical Research (IF **1.841**): 1
- Journal of the American College of Cardiology (IF **20.589**): 1
- Journal of the American Geriatrics Society (IF **4.18**): 7
- Journal of the American Heart Association (IF **4.605**): 1
- Journal of the American Society of Nephrology (IF **9.274**): 2
- Kidney International Reports (IF **2.260**): 1
- Kidney Medicine (IF N/A): 1
- Medical Care (IF **3.210**): 2
- mHealth (IF **4.301**): 1
- Military Medicine Research (IF **2.325**): 1
- Nature Reviews Clinical Oncology (IF **53.276**): 1
- Nephrology Dialysis Transplantation (IF **4.085**): 1
- Neurotherapeutics (IF **6.035**): 1
- Open Forum Infectious Diseases (IF **3.240**): 1
- Organizational Research Methods (IF **4.918**): 1
- Patient Education and Counseling (IF **2.607**): 1
- Pediatric Critical Care Medicine (IF **2.854**): 1
- Pediatric Quality and Safety (IF N/A): 4
- Personalized Medicine (IF **2.318**): 1
- PM&R (IF **1.281**): 1
- Psychiatric Clinics of North America (IF **2.178**): 2
- Psychiatric Services (IF **2.539**): 1
- Psychological Medicine (IF **5.700**): 1
- Psycho-Oncology (IF **3**): 1
- Seminars in Dialysis (IF **2.164**): 1
- Seminars in Perinatology (IF **3.231**): 1
- Sensors (IF **3.275**): 1
- Studies in Health Technology and Informatics (IF **0.44**): 1
- World Medical & Health Policy (IF 0.870): 1

PRESS

Mark Kunik, M.D., M.P.H.

- ReNew Houston, A mix of faith and treatment can work for seniors <https://www.houstonchronicle.com/lifestyle/renew-houston/wellness/article/A-mix-of-faith-and-treatment-can-work-for-seniors-15010682.php>

Daniel Murphy, M.D., MBA, Traber Giardina, Ph.D., Hardeep Singh, M.D., M.P.H.

- AMA Digital, Physicians weigh in: 5 keys to fixing the EHR inbox <https://www.ama-assn.org/practice-management/digital/physicians-weigh-5-keys-fixing-ehr-inbox>

Aanand Naik, M.D.

- MedwireNews, Telephone intervention yields mixed results for those with depression, diabetes <https://www.medwirenews.com/diabetes/depression/telephone-intervention-mixed-results-for-depression-diabetes/17069642>
- Medscape, Telephone Counseling Aids Vets with Diabetes and Depression <https://www.medscape.com/viewarticle/916652>

Barbara Trautner, M.D., Ph.D.

- Consumer Report, People Are Misusing Antibiotics, New Study Reveals <https://www.consumerreports.org/antibiotics/people-are-misusing-antibiotics-study-finds/>
- Yahoo, People Are Misusing Antibiotics, New Study Reveals <https://news.yahoo.com/people-misusing-antibiotics-study-reveals-210205176.html>
- CNN, People in the United States are misusing antibiotics, study says <https://www.cnn.com/2019/07/25/health/antibiotics-unprescribed-study/index.html>
- Parentology, Study: Dangers of Nonprescription Antibiotic Use in Children <https://parentology.com/study-dangers-of-nonprescription-antibiotic-use-in-children/>
- Medpage Today, "USPSTF: Only Screen for Symptom-Free Bacteriuria in Pregnancy—Culture change needed to cut down on UTI tests in asymptomatic patients, experts argue" <https://bit.ly/3hvr1Y1>

CENTERS

IQuEST, Center for Innovations in Quality, Effectiveness and Safety: Director, Laura A. Petersen, M.D., M.P.H.

Please see HSR Center overview, page 1.

Mental Illness Research Education Clinical Centers (MIRECC): Director, Mark Kunik, M.D., M.P.H.

The mission of the MIRECC is to generate new knowledge about the causes and treatments of mental disorders, apply new findings to model clinical programs, and widely disseminate new findings through education to improve the quality of veterans' lives and their daily functioning in their recovering from mental illness.

VA Patient Safety Center of Inquiry (PSCI): Director, Hardeep Singh, M.D., M.P.H.

The VA National Center for Patient Safety PSCIs are located in VA Medical Centers around the country and are focused on researching specific areas of patient safety and providing practical tools to improve patient safety at the bedside. The PSCIs have contributed to: teamwork and simulation training, application of usability testing and human factors design to bar-code medication administration, safe patient handling, movement, patient fall prevention, and management.

SECTION OF HEMATOLOGY/ONCOLOGY



SECTION CHIEF

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

The Section of Hematology and Oncology is at the forefront of education, research and treatment for hematologic and oncologic disorders. Faculty members have strong affiliations with the Dan L Duncan Comprehensive Cancer Center (DLCCCC), the Lester and Sue Smith Breast Center and the Center for Cell and Gene Therapy. Our outstanding clinicians serve patients at Baylor St Luke's Medical Center (BSLMC) and the McNair Campus, Ben Taub Hospital and Smith Clinic, the Michael E. DeBakey VA Medical Center, the Cellular Therapy Unit at Houston Methodist Hospital and the Pavilion for Women. Basic and translational scientists in the section are leaders in cell signaling, breast and prostate cancer research, benign hematologic disorders, and cellular therapy. There are strong clinical research programs at all sites with special expertise in GI malignancies,

Breast cancer, GU cancers, hematologic malignancies and cellular therapy.

The section is dedicated to training medical students, residents and fellows in the classroom and at the bedside, and to educating graduate students and postdoctoral fellows in our laboratories. Our fellowship program is one of the largest in the country with comprehensive clinical training and research opportunities.

A handwritten signature in black ink that reads "Martha Mims".

Martha P. Mims, M.D. Ph.D.
Section Chief of Hematology and Oncology

HIGHLIGHTS

- One of the largest fellowship programs in the country
- Highly cited researchers
- Established peptide receptor radionuclide therapy at BSLMC

FACULTY

Section Leadership

- Martha Mims, M.D. Ph.D., Section Chief
- Benjamin L. Musher, M.D., Medical Oncology Medical Director
- Sravanti Teegavarapu, M.D., Hematology, Medical Director
- Anita Sabichi, M.D., Michael E DeBakey VAMC Division Chief

Faculty

Primary

- Charu Agrawal, M.D.
- Tannaz Armaghany, M.D.
- Hazem El Osta, M.D.
- Jahnavi Gollamudi, M.D.
- Aparna Jotwani, M.D.
- Salma Kaochar, Ph.D.
- Ang Li, M.D., Ph.D.
- Fang-Tsyr Lin, M.D., Ph.D.
- Weei-Chin Lin, M.D. Ph.D.
- Premal Lulla, M.D.
- Courtney Miller-Chism, M.D.
- Martha Mims, M.D. Ph.D.
- Nicholas Mitsiades, M.D. Ph.D.
- Benjamin Musher, M.D.
- Gustavo Rivero, M.D.
- Anita Sabichi, M.D.
- Yvonne Sada, M.D.
- Brandon Smaglo, M.D., FACP
- Iberia Romina Sosa, M.D.
- Sravanti Teegavarapu, M.D.
- Mark Udden, M.D.
- Daniel Wang, M.D.
- Sarvari Yellapragada, M.D.
- Aihua Edward Yen, M.D.
- Svasti Haricharan, M.D.
- Helen Heslop, M.D.
- LaQuisa Hill, M.D.
- Susan Hilsenbeck, M.D.
- Valentina Hoyos, M.D.
- Mamta Kalidas, M.D.
- Rammurti Kamble, M.D.
- Meghashyam Kavuri, M.D.
- Natalie Lapteva, M.D.
- Maksim Mamonkin, M.D.
- Zhuyong Mei, M.D.
- Charles Minard, M.D.
- Julie Nangia, M.D.
- Kent Osborne, M.D.
- Carlos Ramos, M.D.
- Mothaffar Rimawi, M.D.
- Rachel Schiff, M.D.
- Masataka Suzuki, M.D.
- Perumal Thiagarajan, M.D.
- Juan Fernando Vera Valdes, M.D.
- Ayumi Watanabe, M.D.

Secondary (including Centers)

- Malcolm Brenner, M.D., Ph.D.
- George Carrum, M.D.
- Gary Chamness, M.D.
- Chad Creighton, M.D.
- Gloria Echeverria, M.D.
- Matthew Ellis, M.D.
- Suzanne Fuqua, M.D.

Adjunct

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

Emeritus

- Gerald Cyprus, M.D.
- Teresa Hayes, M.D.
- Edward Lynch, M.D.
- Joel Moake, M.D.
- David Sears, M.D.
- Robert Franklin Todd III, M.D., Ph.D.

HONORS AND ACHIEVEMENTS

Malcolm Brenner, M.D., Ph.D.

- Web of Science Group Highly Cited Researchers, 2019.

- Lifetime Achievement Award, International Society for Cell Therapy 2020

Chad Creighton, M.D.

- Web of Science Group Highly Cited Researchers, 2019
- 2020 American Association for Cancer Research (AACR) Team Science Award Recipient, as part of The Cancer Genome Atlas (TCGA), one of 129 Team Members

Gloria Echeverria, M.D.

- Abstract selected for Plenary Session oral presentation, AACR Meeting on Evolutionary Dynamics in Carcinogenesis and Response to therapy
- Invited lecturer, AACR Annual Meeting Educational Session ‘Evolutionary pressures drive cancer emergence’
- Invited lecturer, Basic and Translation Science Review of the 2019 San Antonio Breast Cancer Symposium, Best of SABCS 2020 Conference, Houston, TX

Salma Kaochar, Ph.D.

- Baylor College of Medicine Junior Faculty Award
- Finalist for The Eula and Donald Coffey Innovative Research Award, Society for Basic Urologic Research
- 2019 PCF VAlor Challenge Award, Prostate Cancer Foundation

Weei-Chin Lin, Ph.D.

- Invited to participate in Study Section for ITMO Cancer of the French National Alliance for Life and Health Sciences (AVIESAN) jointly with the French National Cancer Institute (INCa)

Nicholas Mitsiades, M.D., Ph.D.

- Elected Member of the American Society for Clinical Investigation

Benjamin Musher, M.D.

- Promoted to Associate Professor, Tenured

Carlos Ramos, M.D.

- Promoted to Professor, Tenured

Sarvari Venkata Yellapragada, M.D.

- Promoted to Associate Professor, Tenured

Aihua Edward Yen, M.D.

- Received Early Career Faculty Award for Excellence in Patient Care

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

Matthew Ellis, M.D.

- Cadre Member of the Breast Cancer Committee, Cancer and Lymphoma Group B Member
- Breast Disease Working Group for “The Cancer Genome Atlas” External Co-Chair

- Avon Foundation Scientific Advisory Board
- NSABP, Scientific Advisory Board

Suzanne Fuqua, M.D.

- Endocrine Society
- Abstract Selection Committee, AACR Annual Meeting
- Program Committee, DOD-CDMRP, Breast Cancer Research Program
- Reviewer Panel, San Antonio, Breast Cancer Symposium, Abstract Selection Reviewer

Helen Heslop, M.D.

- American Society of Hematology, Member, Nominating Committee
- Blood and Marrow Transplant Clinical Trials Network Steering Committee, Chair 2020-21
- Foundation for Accreditation of Cell Therapy, Past President and Chair Immune Effector Task Force

Susan Hilsenbeck, M.D.

- Faculty Senator, BCM

Rammurti Kamble, M.D.

- Foundation for the Accreditation of Cellular Therapy (FACT), Inspector

Salma Kaochar, Ph.D.

- Organizational Committee for Coffey-Holden Prostate Cancer Academy
- Review Panel for Department of Defense (DoD) Developmental Therapeutics study section
- Review Panel for Prostate Cancer Foundation Young Investigator Awards
- Review Panel for Prostate Cancer Foundation Challenge Awards
- Prostate Cancer Foundation Young Investigator Working Group on Beyond Genomics, Group Leader, Prostate Cancer Foundation

Courtney Miller-Chism, M.D.

- American Society of Hematology (ASH), Medical Educators Institute
- Question writing committee for ASH Self-Assessment Program (SAP), Member

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

- Chair, ASH Training Awards Committee
- Chair, ASH Research Training Award for Fellows Study Section
- Director, K2R Program for ASH
- Inaugural Member, ASH Ambassador Program Faculty
- Steering Committee Member, American Society of Cancer Institute's Physician Clinical Leadership Initiative
- Baylor Principal Investigator for Southwest Oncology Group (SWOG)
- Member, SWOG Board of Governors

- Co-Chair, Planning Committee for Baylor College of Medicine/UT MD Anderson Cancer Center (BCM/MDACC) Comprehensive Board Review in Hematology and Medical Oncology

Nicholas Mitsiades, M.D., Ph.D.

- American Society of Clinical Investigation, elected member 2020

Carlos Ramos, M.D.

- FACT, Inspector
- FACT, Board of Directors Member
- Center for International Blood and Marrow Transplant Research (CIBMTR), Cellular Immunotherapy Data Resource Executive Committee Member
- CIBMTR, Nominating Committee Member

Rachael Schiff, M.D.

- San Antonio Breast Cancer Symposium (SABCS), Abstract Section Selection Committee, Chair
- SABCS, Program Planning Committee, Member
- AACR Annual Meeting, Tumor Biology Sub-Committee, Member
- AACR Annual Meeting, Abstract Reviewer
- Scientific Program Committee, Member
- MacroGenics Inc., Margetuximab, Advisory Council Working Group Meeting, Member

Brandon Smaglo, M.D.

- Texas Society of Clinical Oncology, Board Member At Large

Romina Sosa, M.D.

- American Society of Hematology, Member, Question writing committee for ASH SAP

Mark Udden, M.D.

- American Board of Internal Medicine, Chair, Hematology Board

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Malcolm Brenner, M.D., Ph.D.

- Editorial Board: *Bone Marrow Transplantation, Therapeutic Immunology; Gene Therapy; Cytokines and Molecular Therapy*

Chad Creighton, M.D.

- 2014-present, Statistical Editor, *Journal of the National Cancer Institute*
- 2020-present, Editorial Board Member, *Clinical Genitourinary Cancer*

Matthew Ellis, M.D.

- *Journal of Clinical Oncology*
- *Journal of the National Cancer Institute*
- *Cancer Discovery, Breast Cancer Research and Treatment*

- Ad Hoc Reviewer: *Nature, Cell Reports, Nature Communications, Cancer Cells, New England Journal of Medicine, Cancer Discovery, Cancer Research, Clinical Cancer Research, Journal of Clinical Oncology, Journal of the National Cancer Institute, Breast Cancer Research, Breast Cancer Research and Treatment, International Journal of Cancer, Cancer Chemotherapy and Pharmacology*

Helen Heslop, M.D.

- Deputy Editor, *Molecular Therapy*
- Editorial Board: *British Journal of Hematology, BBMT, Cytotherapy*

Susan Hilsenbeck, M.D.

- Senior Editor, *Clinical Cancer Research*

Rammurti Kamble, M.D.

- Editorial Board Member, *International Journal of Blood Disorder and Medicine*

Salma Kaochar, Ph.D.

- Editorial Board, *Elsevier Translational Oncology*

Ang Li, M.D., Ph.D.

- Editorial Board Member, *Research and Practice in Thrombosis and Haemostasis*

Fang-Tsyr Lin, M.D., Ph.D.

- Ad Hoc journal review, *Cancer Biotherapy and Radiopharmaceuticals*

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

- Associate Editor, *Translational Research*

Nicholas Mitsiades, M.D., Ph.D.

- Editorial Board, *Endocrine Related Cancer, Journal of the Endocrine Society*

Kent Osborne, M.D.

- Editorial Board, *Breast Cancer Research, Cancer Research*

Gustavo Rivero, M.D.

- Associate Editor, *Blood Research and Disorders Journal*

Anita Sabichi, M.D.

- Editorial Board, *The Scientific World Journal*
- Editorial Board, *New Journal of Science*

OTHER SIGNIFICANT ACCOMPLISHMENTS

Charu Agrawal, M.D.

- That's the Way Award

Tannaz Armaghany, M.D.

- Establishment of peptide receptor radionuclide therapy at BSLMC
- Hematology and Oncology Grand rounds Director, 1/2020-current

Salma Kaochar, Ph.D.

- Trainee Funding/Award: Graduate Student: Dallin Lowder: T32 (GM008231-30), PhRMA Fellowship Finalist
- Trainee Funding/Award: Collin McColl: T32 (GM008231-30), T32 (GM088129-10, PhRMA Fellowship Finalist
- Postdoctoral Fellow: Amit Dash: Endocrine Society Outstanding Abstract Award (2020)

Fang-Tsyr Lin, M.D., Ph.D.

- BCM COVID-19 Pilot Project awardee

Weei-Chin Lin, M.D., Ph.D.

- BCM COVID-19 Pilot Project awardee

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

- Mentor, ASH Honor Awardee, Ronald Paranal
- Baylor Fellowship; Best Hematology Teaching Attending of the Year, 2020
- Baylor Fellowship; Best Hematology Teaching Service, 2020

Benjamin Musher, M.D.

- Baylor Fellowship; Best Oncology Teaching Attending of the Year, 2020
- Baylor Fellowship; Best Oncology Teaching Service, 2020
- Completed the first-ever BCM-only Phase I trial in a GI malignancy (LOKON-001, Cohort 1)
- Co-chaired the Onclive State of the Science Summit Gastrointestinal Malignancies with Shubham Pant (MDACC), February 2020

Gustavo Rivero, M.D.

- Hematologic Malignancies Symposium, November 2, 2019

RESEARCH ACTIVITIES***Grants*****Tannaz Armaghany, M.D.**

- OPTIM trial: IIT – PI - \$30K from Golfers Against Cancer and \$20K from Dr. Osborne’s philanthropy account
- GLYCAR: PI - CAR-T cell in Hepatocellular carcinoma T lymphocytes administered in patients with pancreatic cancer (tactops) CO-PI

Malcolm Brenner, M.D., Ph.D.

- 3rd Amendment/NCE To Extend Agreement & Add Additional Funding – Follow-up For Lokon (Sample Analysis For The Clinical Trial) (10/15/2019 - 10/14/2021)

- Spore in lymphoma project 1: car t cell therapy for t cell lymphoma (04/01/2007-08/31/2022)

Chad Creighton, M.D.

- R01-DK092202-09 AMD 1 Subaward: Prostate Epithelial Lineage Hierarchy (9/1/2019 - 8/31/2020)
- R01-DK107436 -04 Year 2: Molecular Mechanisms Of Initiation Of Benign Prostatic Hyperplasia (7/1/2019 - 6/30/2020)
- Pigenetic regulated genes in African American prostate cancer patients [2U54MD007597-31 (Ittmann/Kwabi-Addo)] Funding Agency: NIH/NCI Dates of Funding: 08/01/19-07/31/24
- Osteogenic niche biology in progression and endocrine resistance of bone metastases [5R01CA221946-02 (Rowley)] (9/5/2018-8/31/2023)
- Transcriptional Control of Gliogenesis in the CNS [2R01NS071153-10A1 (Deneen)] Dates of Funding: (9/01/2019-6/30/2024)
- Title: Exploiting dimethyl fumarate to uncover druggable vulnerabilities and prevent recurrence of ER+ breast cancers [W81XWH-19-1-0108 (Kastrati)] Funding Agency: (09/1/19-08/31/22)
- Title: Estrogen receptor beta-p53 signaling axis: A new therapeutic target in triple-negative breast cancer [W81XWH-19-1-0112 (Kaiparettu & Das)] Funding Agency (09/01/2019-08/31/2022)
- Title: Regulation of Lung Cancer Survival and Metastasis by an Actionable Driver of Vesicle Biogenesis in the Golgi [1R01CA236781-01A1 (Kurie)] Funding Agency: NIH/NCI (through MD Anderson Cancer Center) (12/01/19-11/30/24)
- Title: The Transformation GBM Initiative [FP00003609 (Deneen)] Funding Agency: Brockman Medical Research Foundation (02/01/18-01/31/21)
- UHCOP-DLCCC Alliance: Cancer drug discovery/development and education [1P20-CA221729-01A1 (Matzuk)] Funding Agency: NIH/NCI (9/01/18-08/31/22)
- Targeting MYC and LYN Crosstalk to Disrupt Breast Cancer Metabolism [W81XWH-18-1-0714 (Kaiparettu & Goga)] Funding Agency: DOD (10/01/18-09/30/21)
- Fungal Pathogenesis of Moderate to Severe Asthma [R01-AI135803-01 (Corry)] Funding Agency: NIH (09/01/17-08/31/22)
- Energy reprogramming-regulated oncopathways and drug resistance in triple negative breast cancer [1R01-CA234479 (Kaiparettu)] Funding Agency: NIH/NCI (01/01/19-11/30/24)
- Molecular Dissection of Seizure Microenvironment in Malignant Glioma [1 R01 CA223388-01 (Noebels)] Funding Agency: NIH/NCI (12/15/2017-11/30/22)
- The Notch Signaling in Prostate Homeostasis and Carcinogenesis [1 R01 CA190378-01A1 (Xin)] Funding Agency: NIH/NCI (07/07/15-06/30/20)
- Baylor College of Medicine Cancer Center – DLCCC [2 R01 CA125123-09 (Osborne)] Funding Agency: NIH/NCI (07/07/15-06/30/25)
- Decoding the Role of Diverse Astrocyte Populations in Aging [1 RF AG054111-01 (Zheng)] Funding Agency: NIH/NIA (08/15/16-06/30/21)

- Normal Regulation of Breast Cancer [4 R01 CA016303-41 (Rosen)] Funding Agency: NIH/NCI (06/01/15-05/31/23)
- Prostate Epithelial Lineage Hierarchy [2 R01 DK092202-06 (Xin)] Funding Agency: NIH/NIDDK (09/01/16-08/31/20)
- Molecular Mechanisms of Initiation of Benign Prostatic Hyperplasia [1 R01 DK107436-01 (Xin)] Funding Agency: NIH/NIDDK Investigator Role: Coinvestigator/Subcontract PI (07/01/16-06/30/20)
- Inhibition of TGF β Signaling by Nuclear Receptor COUP-TFII Results in Aggressive Prostate Cancer Growth and Metastasis [RP150648 (Tsai)] Funding Agency: CPRIT (06/01/16-05/31/20)
- Novel LGR4 Oncogenic Signaling in Breast Cancer Progression and Metastasis [1 R01 CA204926-01A1 (Li)] Funding Agency: NIH/NCI (02/01/2017-01/31/2022)

Gloria Echeverria, M.D.

- K22- CA241113-01 K22 - Institution Transfer To BCM - Characterizing and Targeting Intra-Tumor Heterogeneity In Triple Negative Breast Cancer Chemoresistance And Multi-Organ Metastasis (2/6/2020-1/31/2021)
- K22- CA241113-01 K22 - Institution Transfer To BCM - Characterizing And Targeting Intra-Tumor Heterogeneity In Triple Negative Breast Cancer Chemoresistance And Multi-Organ Metastasis (2/6/2020-1/31/2021)
- RR200005 YR 1 RR200009 - First Time Tenure Track Faculty - Gloria Echeverria (3/1/2020-2/28/2021)
- METAvivor Early Career Investigator Grant (01/01/2019-06/01/2020)

Matthew Ellis, M.D.

- BCRF-19-042 (NSABP AMD 4) Year 6 - (Updated Title) - Circulating Tumor DNA Based-Monitoring in Early Stage and Advanced Breast Cancer (10/1/2019-9/30/2020)
- CCR18548157 Mismatch Repair Defects And Endocrine Therapy Resistance In ER+ Breast Cancer (10/23/2019-10/22/2020)
- CONS18005 Year 8 Alternate Trial: A Neoadjuvant Biomarker Approach for Estrogen Receptor Positive Breast Cancer (10/1/2019-9/30/2020)
- RR140033 NCE: Dr. Matthew Ellis: Established Investigator Recruit - Accelerating Breast Cancer Translational Medicine through Genomics and Proteomics (12/1/2019-5/31/2020)
- U01-CA214125 04 Year 4: (MPI - U01) Microscaled Proteogenomics for Cancer Clinical Trials (CPTAC) (6/1/2020-5/31/2021)
- U01-CA214125 04 Amend 3_Duke_PO 7000000435 Year 4: (MPI - U01) Microscaled Proteogenomics for Cancer Clinical Trials (CPTAC) (6/1/2020-5/31/2021)
- U01-CA214125 04 Amend 3_Mayo_PO 7000000469 Year 4: (MPI - U01) Microscaled Proteogenomics for Cancer Clinical Trials (CPTAC) (6/1/2020-5/31/2021)
- U01-CA214125 04 Amend 3_UNC_PO 7000000410 Year 4: (MPI - U01) Microscaled Proteogenomics for Cancer Clinical Trials (CPTAC) (6/1/2020-5/31/2021)

- U01-CA214125 04 Amend 7_BI_PO 7000000403 Year 4: (MPI - U01) Microscaled Proteogenomics for Cancer Clinical Trials (CPTAC) (6/1/2020-5/31/2021)
- W81XWH-16-1-0539 NCE: BC151851: Project 1: Direct Regulation of Estrogen Receptor Transcriptional Activity by NF1 (9/30/2019-9/29/2020)

Suzanne Fuqua, M.D.

- BCRF-19-055 Year 6: Role of ESR1 Mutations in Breast Cancer Progression (10/1/2019-9/30/2020)
- R01-CA207270 04 Year 4: Mechanisms Of AR-ER Collaboration in Hormone Resistance and Metastasis of Breast Cancer (3/1/2020-2/28/2021)
- RP180712 YR2 Year 2 - Project 2: Overcoming Endocrine Insensitivity In ER-Positive Breast Cancer Patients (8/31/2019-8/30/2020)
- T32-CA203690 -02 (MPI): Year 2: T32 Translational Breast Cancer Research Training Program (9/1/2019-8/31/2020)

Svasti Haricharan, M.D.

- W81XWH-18-1-0034 BC170276 Mismatch Repair Loss Renders ER+/HER2- Breast Cancer Susceptible To HER2/3 Inhibition (3/1/2020-2/28/2021)

Helen Heslop, M.D.

- Normal Donor Procurement For CD30 Car EBVSTS (8/30/2019-8/29/2020)
- Spore in lymphoma project 1: car t cell therapy for t cell lymphoma (04/01/2007-08/31/2022)
- Spore in lymphoma project 2: t cell therapy targeting multiple tumor antigens in lymphoma(04/01/2007-08/31/2022)
- Spore in lymphoma project 3: immunotherapy of b cell lymphoma with nk-t cells(04/01/2007-08/31/2022)
- spore in lymphoma project 4: overcoming tumor evasion in ebv+ve lymphomas(04/01/2007-08/31/2022)
- Spore in lymphoma: cell-based immunotherapies of human cancer (04/01/2007-08/31/2022)
- Spore in lymphoma: developmental research program (04/01/2007-08/31/2022)
- Spore in lymphoma: career enhancement program (04/01/2007-08/31/2022)
- Spore in lymphoma: administrative core (04/01/2007-08/31/2022)
- Spore in lymphoma: cell &vector core (04/01/2007-08/31/2022)
- Spore in lymphoma: clinical & biostats corE (04/01/2007-08/31/2022)
- Spore in lymphoma: biospecimen and pathology core (04/01/2007-08/31/2022)
- Tailoring car-based immunotherapy strategies to t cell lymphoma (01/01/2019-12/31/2021)
- Targeting HIV and ebv antigens in patients with HIV lymphoma (08/08/2011-06/30/2024)

Susan Hilsenbeck, M.D.

- 1U54CA233223-01(Mitsiades) Minority PDX Development and Trial Center: BCM and MDACC Collaboration on Mechanistic Studies to Dissect and Combat Health Disparities in Cancer (09/20/18-06/30/23)

Valentina Hoyos, M.D.

- CCR19606699 Estrogen Receptor 1 Mutation (ESR1M) Specific T Cells For The Treatment Of Hormone Receptor Positive Metastatic Breast Cancer (HR+MBC) (9/5/2019-9/4/2020)
- RR170024 YR 3 Yr 1: Recruitment of First-Time, Tenure Track Faculty Member Dr. Valentina Hoyos Velez (RFT) (8/31/2019-8/30/2020)

Salma Kaochar, Ph.D.

- NCE - Characterization Of First-In-Class Oncometabolic Inhibitor (11/15/2019-11/14/2020)
- 18YOUN09 Year 2: Targeting The P160 Steroid Receptor Coactivators (SRCS) In African American Prostate Cancer (8/1/2019-7/31/2020)
- 19CHAL07 Targeting Castration Resistant Prostate Cancer With Novel Onco-Metabolic Inhibitors (10/25/2019-10/24/2020)

Meghashyam Kavuri, M.D.

- CCR16380599 NCE: Kinome Analysis to Rationalize Targeting HER2 and DDR1 Breast Cancer Mutations (9/15/2019-9/14/2020)
- W81XWH-18-1-0035 Yr. 3 BC170276P1 Mismatch Repair Loss Renders ER+/HER2- Breast Cancer Susceptible To HER2/3 Inhibition (3/1/2020-2/28/2021)
- W81XWH-18-1-0040 YR 3 BC170466: Targeting DDR1 Aberrations in Metastatic ER+ Breast Cancer (2/15/2020-2/14/2021)

Ang Li, M.D., Ph.D.

- NHF-Takeda Clinical Fellowship (3/1/2020-2/28/2021)
- Understanding the Etiology of Transplant-Associated Thrombotic Microangiopathy (TA-TMA) and its Mechanistic Association with Von Willebrand Factor (1/29/2020-1/28/2021)
- Understanding the Etiology Of Transplant-Associated Thrombotic Microangiopathy (TA-TMA) and its Mechanistic Association with Von Willebrand Factor (1/29/2020-1/28/2021)
- RR190104 YR 1: RR190104: First-Time, Tenure-Track: Dr. Ang Li (8/31/2019-8/30/2020)

Fang-Tsyr Lin, M.D., Ph.D., and Weei-Chin Lin, M.D., Ph.D.

- R01CA203824-04 (NIH/NCI) PI: Weei-Chin Lin and Fang-Tsyr Lin Title: Novel Therapeutics for Targeting Checkpoint Dysfunction in Cancer (12/1/16-11/30/21)
- BC171396 Department of Defense Breast Cancer Research Program - Breakthrough Award 2 – Title: Exploiting a new Achilles' heel of mutant p53 in breast cancer (9/30/18 – 9/29/21)
- BC181104 PI: Department of Defense Breast Cancer Research Program Expansion Award, Title: Inducing BRCAness to synergize with PARP inhibitors in breast cancer (8/01/19 – 7/31/22)
- BCM Pilot Project Award (4/1/20-3/31/21)
- R01CA100857-15 (NIH/NCI) PI: Weei-Chin Lin (NCE 02/28/21), Title: The ATM/E2F1 Pathway in DNA Damage and Growth Control Role: Collaborator (4/15/04-2/29/20)

Weei-Chin Lin, M.D., Ph.D.

- R01-CA100857-15 NCE. Year 15 (NCE): The ATM/E2F1 Pathway In DNA Damage And Growth Control (3/1/2020-2/28/2021)
- R01-CA203824 04. Year 4: MPI-Novel Therapeutics For Targeting Checkpoint Dysfunction in Cancer (12/1/2019-11/30/2020)
- T32-174647-05 NCE. Year 5 (NCE) -Bcm Oncology Scholars Training Program (8/1/2019-7/31/2020)
- W81XWH1810329. BC 171396 (MPI) Exploiting A New Achilles Heel Of Mutant P53 In Breast Cancer (11/1/2019-10/31/2020)
- W81XWH-19-1-0369 Year 1: BC181104: Inducing BRCAness To Synergize With PARP Inhibitors In Breast Cancer (WS00183183) (8/1/2019-7/31/2020)
- MPI-Mitigate COVID-19 by targeting viral entry, BCM COVID-19 Pilot Project Award, \$20,000

Premal Lulla, M.D.

- DRG 2018 Year 2: Tailoring a T Cell Therapy To Patients with MDS (9/1/2019-8/31/2020)
- Administration of donor-derived multi-tumor-associated antigen-specific t cells to patients with AML or MDS (ADSPAM) (11/16/2018-11/15/2022)

Zhuyong Mei, M.D.

- A Randomized, Double-Blind, Placebo-Controlled Trial Of Allogeneic Bone Marrow-Derived Mesenchymal Stem Cells As A Disease Modifying Therapy For Early Idiopathic Parkinson's Disease (3/23/2020-12/15/2020)

Charles Minard, M.D.

- UM1-CA228823 01 NIH Pediatric Early Phase Clinical Trials Network (PEP-CTN) Grant (8/1/2019-7/31/2020)

Nicholas Mitsiades, M.D., Ph.D.

- R01-CA193321-05 Year 5: Regulation of Uveal Melanoma Cell Fate By MITF via the PKC Pathway (8/1/2019-7/31/2020)
- U54-CA233223 01 MYF Year 2: Minority PDX Development and Trial Center: BCM and MDACC Collaboration on Mechanistic Studies to Dissect and Combat Health Disparities in Cancer - Assist ID 222682 (9/20/2019-9/19/2020)
- U54-CA233223 -01 (SBP AMD 1) MYF Year 1: Minority PDX Development and Trial Center: BCM and MDACC Collaboration on Mechanistic Studies to Dissect and Combat Health Disparities in Cancer - Assist ID 222682 (7/1/2019-9/19/2019)
- U54-CA233223 01 (SBP AMD 2) MYF Year 2: Minority PDX Development and Trial Center: BCM and MDACC Collaboration on Mechanistic Studies to Dissect and Combat Health Disparities in Cancer - Assist ID 222682 (9/20/2019-9/19/2020)
- U54-CA233223 01 Amend 1_MDA_PO 7000000930 MYF Year 2: Minority PDX Development and Trial Center: BCM and MDACC Collaboration on Mechanistic Studies to Dissect and Combat Health Disparities in Cancer - Assist ID 222682 (9/20/2019-9/29/2020)

- W81XWH-17-1-0298 YR3 Prog Rep Year 3: PC160445: A First-In-Field Approach to Target a Previously Undruggable Oncogene Family in Prostate Cancer (7/1/2019-6/30/2020)
- W81XWH1810288, Year 2 PC170980 Sensitization of Castration Resistant Prostate Cancer to Chemotherapy via BRCA-1/BRCA-2 Induced DNA Replication Stress (7/1/2019-6/30/2020)
- W81XWH-18-1-0288, Year 2: PC170980 Sensitization of Castration Resistant Prostate Cancer to Chemotherapy via BRCA-1/BRCA-2 Induced DNA Replication Stress (7/1/2019-6/30/2020)
- RP150648 - CPRIT Multi-Investigator Research Award
- Prostate Cancer Foundation Challenge Award

Benjamin Musher, M.D.

- Support by Abbvie to investigate: prevalence of exocrine pancreatic insufficiency among patients with pancreatic adenocarcinoma: a single center study
- Ongoing support by LOKON Pharma for serving as the PI for Phase I trial LOKON-001: phase I/IIA trial evaluating safety of load703, an armed oncolytic adenovirus for pancreatic cancer (LOKON001)

Kent Osborne, M.D.

- P30-CA125123 13. Year 13: Baylor College of Medicine Cancer Center (7/1/2019-6/30/2020)
- P50-CA186784 05 NCE: Translational Research in Breast Cancer (SPORE) (9/1/2019-8/31/2020)

Mothaffar Rimawi, M.D.

- TBCRC 2019 PY1 TBCRC 2019 PY1 BCRF - Translational Breast Cancer Research Consortium Infrastructure Support Task Order via BCRF (7/1/2019-6/30/2020)
- TBCRC 2019 PY1 TBCRC 2019 PY1 Komen - Translational Breast Cancer Research Consortium Infrastructure Support Task Order via Komen (7/1/2019-6/30/2020)

Rachel Schiff, M.D.

- BCRF-19-145. BCRF 2019-2020: Mechanisms of Resistance to HER2 And ER-Targeted Therapies and Novel Therapeutic Strategies (10/1/2019-9/30/2020)
- RP190398 Year 2: RP190398 Targeting The Mechanism of Hyperactive FOXA1 in Transcriptional Reprogramming Toward Endocrine Resistance and Metastasis in Breast Cancer (3/1/2020-2/28/2021)
- W81XWH-14-1-0341 P00004. 3rd NCE BC133693P1: Targeting GPR110 In HER2-Overexpressing Breast Cancer (9/30/2019-9/29/2020)
- W81XWH-17-1-0580 BC161327P1: A New Paradigm For De-Escalation Of Treatment In HER2 Positive Breast Cancer: Revolutionizing Care With More Effective And Less Toxic Therapy. (9/15/2019-9/14/2020)
- W81XWH-17-1-0580 Year 3 (of 5) BC161327P1: A New Paradigm For De-Escalation Of Treatment In HER2 Positive Breast Cancer: Revolutionizing Care With More Effective And Less Toxic Therapy. (9/15/2019-9/14/2020)

Masataka Suzuki, M.D.

- 4th Amendment To Extend Term & Add Additional Funds - Combinatorial Treatment With Armed Oncolytic Ad Gene Therapy And Car T-Cell Therapy For Squamous Cell Carcinoma Of The Head And Neck (HNSCC) (10/1/2019-9/30/2020)
- 5th Amendment To Add Additional Funds - Combinatorial Treatment With Armed Oncolytic Ad Gene Therapy And Car T-Cell Therapy For Squamous Cell Carcinoma Of The Head And Neck (HNSCC) (1/1/2020-9/30/2020)

Publications

- Academic Emergency Medicine (IF **3.064**): 1
- Advanced Cell & Gene Therapy (IF N/A): 4
- American Journal of Hematology (IF **6.973**): 1
- American Journal of Medicine (IF **5.262**): 1
- American Journal of Transplant (IF **7.338**): 1
- Anesthesia & Analgesia (IF **4.305**): 1
- Annals of Internal Medicine (IF **21.317**): 3
- Biology of Blood & Marrow Transplant (IF **3.670**): 18
- Blood Advances (IF **4.584**): 11
- Blood (IF **16.601**): 2
- British Journal of Haematology (IF **5.518**): 3
- Breast Cancer (IF **2.695**): 5
- Breast Cancer Research (IF **4.988**): 2
- Breast Cancer Research and Treatment (IF **3.831**): 7
- Breast Journal (IF **3.754**): 2
- Cancer Cell (IF **26.602**): 2
- Cancer Chemotherapy Pharmacology (IF **2.967**): 1
- Cancer Immunology Research (IF **8.728**): 3
- Cancer Research (IF **9.727**): 12
- Cancer Treatment Reviews (IF **8.730**): 2
- Cancer (IF **5.742**): 5
- Case Reports Hematology (IF N/A): 2
- Case Reports in Medicine (IF N/A): 2
- Case Reports in Obstetrics Gynecology (IF N/A): 1
- Case Reports in Oncology Medicine (IF N/A): 1
- Cell (IF **38.637**): 1
- Angewandte Chemie (IF **12.959**): 1
- Clinical Anatomy (IF **1.967**): 1
- Clinical Breast Cancer (IF **2.703**): 1
- Clinical Colorectal Cancer (IF **3.245**): 2
- Clinical Lymphoma, Myeloma, & Leukemia (IF **2.02**): 3
- Clinical Teacher (IF **0.740**): 1
- Clinical Cancer Research (IF **10.107**): 15
- Clinical Case Reports (IF **0.50**): 1
- Contemporary Clinical Trials (IF **1.832**): 1
- Cureus (IF N/A): 1
- Current Treatment Options in Oncology (IF **3.890**): 1
- Diabetes Technology & Therapeutics (IF **5.070**): 1
- ESC Heart Failure (IF **3.407**): 1
- Frontiers in Psychology (IF **2.067**): 1
- Frontiers in Oncology (IF **4.848**): 2
- Genome Biology (IF **10.806**): 2
- Haematologica (IF **7.57**): 5
- Hospital Pediatrics (IF **1.150**): 1
- Human Gene Therapy (IF **4.273**): 2

- International Heart Journal (IF **2.226**): 1
- International Journal of Pediatric Endocrinology (IF **0.290**): 1
- Iranian Journal of Pharmaceutical Research (IF **1.250**): 1
- Journal of Asthma (IF **1.899**): 1
- Journal of Attention Disorders (IF **3.161**): 1
- Journal of Biophotonics (IF **3.763**): 1
- Journal of Clinical Medicine (IF **3.303**): 2
- Journal of Education in Perioperative Medicine (IF **N/A**): 1
- Journal of Electrocardiology (IF **0.944**): 1
- Journal of Emergency Medicine (IF **1.224**): 1
- Journal of Geriatric Oncology (IF **2.761**): 1
- Journal of Immunotherapy Cancer (IF **9.913**): 2
- Journal of Immunotherapy (IF **9.913**): 1
- Journal of International Neuropsychology Society (IF **2.576**): 1
- Journal of Medicinal Chemistry (IF **6.205**): 3
- Journal of National Cancer Institute (IF **12.589**): 4
- Journal of Neuro-Oncology (IF **3.267**): 1
- Journal of Neurosurgery-Pediatrics (IF **2.117**): 1
- Journal of Pediatric Psychology (IF **2.412**): 1
- Journal of Surgical Oncology (IF **3.244**): 1
- JAMA Oncology (IF **24.799**): 3
- JCI Insight (IF **6.205**): 1
- Journal of Clinical Oncology (IF **32.956**): 2
- Journal of the National Cancer Institute (IF **12.589**): 1
- Journal of Parenteral and Enteral Nutrition (IF **3.151**): 1
- Lancet Oncology (IF **33.752**): 1
- Leukemia Research (IF **2.319**): 1
- Medical Education Online (IF **1.970**): 1
- Methods in Molecular Biology (IF **10.71**): 2
- Molecular Cancer Research (IF **1.356**): 3
- Molecular Therapy: Methods & Clinical Development (IF **4.533**): 2
- Molecular and Cellular Biology (IF **3.735**): – 2
- Molecular Genetics & Genomic Medicine (IF **1.995**): 1
- Molecular Therapy (IF **8.402**): 6
- Nature Cell Biology (IF **20.042**): 1
- Nature Genetics (IF **27.603**): 1
- Nature Reviews Clinical Oncology (IF **53.276**): 2
- Nature (IF **9.435**): 3
- Nature Communications (IF **12.121**): 7
- Nature Medicine (IF **36.130**): 1
- Neurology (IF **8.770**): 2
- Nucleic Acids Research (IF **11.501**): 1
- Oncogene (IF **7.971**): 2
- OncoImmunology (IF **4.910**): 2
- Oncologist (IF **5.260**): 1
- Pediatric Allergy Immunology (IF **4.699**): 1
- Pediatric Blood & Cancer (IF **2.355**): 2
- Pediatric Critical Care Medicine (IF **2.854**): 1
- Pharmacogenetics and Genomics (IF **2.860**): 1
- PLoS Genetics (IF **5.540**): 1
- PLoS One (IF **2.740**): 1
- Proceeding of the National Academy of Sciences of the USA (IF **9.412**): 4
- Prostate (IF **3.279**): 2
- Science Advances (IF **13.116**): 1

- Scientific Data (IF **5.541**): 1
- Scientific Reports (IF **3.998**): 1
- Science Translational Medicine (IF **16.304**): 1
- Seminars in Thoracic and Cardiovascular Surgery (IF **2.133**): 1
- TH Open (IF N/A): 1
- The Breast (IF **3.754**): 1
- Transactions of the American Clinical & Climatological Association (IF N/A): 1
- Transfusion (IF **2.8**): 2
- Transplant Infectious Disease (IF **2.071**): 2
- US Patent App (IF N/A): 1

Books/Book Chapters

Courtney Miller-Chism, M.D.

- *Handbook of Benign Hematology*: Martha Pritchett Mims M.D. Ph.D. (Editor), Courtney Miller-Chism M.D. (Editor), Iberia Sosa M.D. Ph.D. (Editor)

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

- *Handbook of Benign Hematology*: Martha Pritchett Mims M.D. Ph.D. (Editor), Courtney Miller-Chism M.D. (Editor), Iberia Sosa M.D. Ph.D. (Editor)

Gustavo Rivero, M.D.

- *Handbook of Benign Hematology*: Book chapter – “myeloproliferative neoplasm” Martha Pritchett Mims M.D. Ph.D. (Editor), Courtney Miller-Chism M.D. (Editor), Iberia Sosa M.D. Ph.D. (Editor)

Iberia Sosa, M.D.

- *Handbook of Benign Hematology*: Martha Pritchett Mims M.D. Ph.D. (Editor), Courtney Miller-Chism M.D. (Editor), Iberia Sosa M.D. Ph.D. (Editor)

PRESS

Tannaz Armaghany, M.D.

- ONC-Live March 12, 2020, March 25, 2020, April 3, 2020, June 3, 2020
 - Utility of ctDNA in colorectal cancer
 - Gene sequencing in colorectal cancer
 - Frontline sorafenib vs lenvatinib in hepatocellular carcinoma
 - MATCH trial in colorectal cancer

Helen Heslop, M.D.

- Sharma S, Leume W, Heslop HE Virus-specific T cells for malignancies – then, now and where to? *Current Stem Cell Reports*

Ang Li, M.D., Ph.D.

- <https://www.tmc.edu/news/2020/06/blood-type-may-affect-covid-19-outcomes-study-shows/>

Benjamin Musher, M.D.

- Interview for *Cancer Therapy Advisor* for online press release, December 16, 2019: “BEACON May Not Be the “Worst” Trial Ever, but a Key Question Remains.”
<https://www.cancertherapyadvisor.com/home/cancer-topics/gastrointestinal-cancers/colorectal-cancer-mcrc-beacon-may-not-be-worst-trial-ever/2/>
- Interview for MedPage today for online press release, April 23, 2020: “Another Step Towards Earlier Detection of Pancreatic Cancer.”
<https://www.medpagetoday.com/gastroenterology/pancreaticdiseases/86119>
- Interview for local Fox News 26 about Colon Cancer Awareness Month, March 9, 2020
- Press conference with Mayor Sylvester Turner about Colon Cancer Awareness Month, March 9, 2020

Gustavo Rivero, M.D.

- <https://www.aamds.org/podcast/aamdsif-podcast-patients-dr-gustavo-rivero-discusses-low-risk-mds> AAMDSIF Podcast for Patients: Dr. Gustavo Rivero discusses Low-Risk MDS, March 12, 2020
- <https://www.baylorcme.org/trans/cme.cfm?activityID=442&cmepage=presentations> Video Presentation: What should we know about the origin and treatment of low-risk myelodysplastic syndrome?

Daniel Wang, M.D.

- Bennett, Christina. “Standardization Arrives for Neoadjuvant Trials in Melanoma.” Cancer Network, August 6, 2019, <https://www.cancernetwork.com/news/standardization-arrives-neoadjuvant-trials-melanoma>
- Bennett, Christina. “Study Moves the Needle for Melanoma Patients with Rare BRAF Mutations.” Cancer Network, October 17, 2019, <https://www.cancernetwork.com/melanoma/study-moves-needle-melanoma-patients-rare-braf-mutations>
- Blanton, Nicole. “Understanding sarcoma, one of the rarest cancers.” BCM Momentum Blog, July 31, 2019, <https://blogs.bcm.edu/2019/07/31/understanding-sarcoma-one-of-the-rarest-cancers/>
- Boyle, Erin. “Let’s Talk About Cancer Screenings and Tests.” <https://www.healthcentral.com/condition/cancer-screenings-tests>. Published May 27, 2020
- Boyle, Erin. “Let’s Talk About Cancer Medication.” <https://www.healthcentral.com/condition/cancer-medication>. Published June 3, 2020
- Chiu, Molly, “Immunotherapy improves quality of life for mesothelioma patient.” BCM Momentum Blog, November 19, 2019, <https://blogs.bcm.edu/2019/11/19/immunotherapy-improves-quality-of-life-for-mesothelioma-patient/>

CENTERS

Dan L Duncan Comprehensive Cancer Center

The mission of the DLDC is to further reduce suffering and mortality from cancer through its research, education, patient care, and outreach activities. Our Center is a matrix cancer center with research members from nearly all College departments and academic units who have a commitment to cancer research and/or patient care. The DLDC exists to facilitate the research of its members, to bring together researchers from different departments and centers for collaborative, multidisciplinary approaches to cancer, and to provide infrastructure support for the conduct of cancer research

The Center for Gene Therapy

The Center for Cell and Gene Therapy provides an infrastructure to rapidly translate novel cell and gene therapy protocols from the laboratory to the clinic. The comprehensive approach of the center brings a wide variety of scientists and clinicians together to develop strategies for the treatment of cancer and other diseases.

Lester and Sue Smith Breast Center

Our team of breast health specialists bring together a collaboration of physicians and scientists who offer expertise in prevention, diagnosis, and treatment of both breast cancer and benign breast conditions. As part of the National Cancer Institute-designated DLDC at BSLMC, our physicians are among the best in their field and are committed to patient care, applying the latest clinical research to improve treatment options.

SECTION OF IMMUNOLOGY, ALLERGY AND RHEUMATOLOGY



SECTION CHIEF

*Sandeep K. Agarwal, M.D.,
Ph.D.*

Welcome to the Annual Report for the Section of Immunology, Allergy and Rheumatology (IAR). Fiscal year 2019-2020 started out like the prior year and then all of our personal and professional lives were changed by the COVID-19 pandemic. Despite this, we witnessed our Section successfully coming together in their commitment to our educational, research and clinical missions, which we herein recognize.

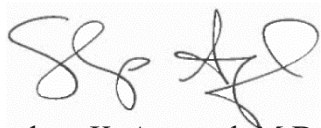
Our clinical programs continued to grow. In the Faculty Group Practice, both the Allergy and Rheumatology Clinics doubled in size, offering advanced, personalized care to patients with allergic and autoimmune diseases. In addition, we continue to offer new services to our patients, including point-of-care musculoskeletal ultrasound, ensuring better diagnosis and treatment of patients with autoimmune diseases, arthritis and other musculoskeletal conditions. In response to

the COVID-19 pandemic, our physicians, in all of our pavilions (McNair Campus, Smith Clinic/Harris Health, and the Michael E. DeBakey VA Medical Center), adapted and rapidly started telemedicine programs. With this added technology, we were able to continue to care for all our patients who were sheltering at home. But now we are using our telemedicine programs to expand clinical access to patients who previously struggled to access our outstanding clinicians and clinical teams.

In terms of research, we have seen continued success. Faculty members in the Section published 38 peer-reviewed manuscripts. Research programs were supported by 24 grants from the National Institutes of Health, Cancer Prevention and Research Institute of Texas (CPRIT), and foundations. Our clinical trial programs continue to expand. Our laboratories continue to investigate the immunological mechanisms of allergy, asthma and autoimmune diseases and now also seek to understand the immune basis of Alzheimer's disease. 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.

Last but not least are the important contributions that our faculty provide to the clinical and research educational missions. All levels of trainees, including medical students, graduate 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 IAR 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.

This report contains some of the achievements of the year past. Our foundation is stronger and we 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.



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

Chief, Section of Immunology, Allergy and Rheumatology

Rheumatology Fellowship Program Director

Director, Biology of Inflammation Center

Cullen Trust for Healthcare Endowed Chair in Immunology

HIGHLIGHTS

- Outstanding growth in clinical programs in Allergy and Rheumatology
- Initiation of telemedicine programs in all clinical pavilions
- Creation of musculoskeletal ultrasound clinic
- Expansion of research programs & increased federal research funding
- Continued excellence in clinical and research education

FACULTY

Section Leadership

- Sandeep K. Agarwal, M.D., Ph.D., Chief
- Rashmi Maganti, M.D. – Baylor Medicine Rheumatology Medical Director
- Sanjiv Sur, M.D. – Baylor Medicine Allergy Medical Director

Faculty

Primary

- Sandeep K. Agarwal, M.D., Ph.D.
- Joan Appleyard, M.D.
- Kalpana Bhairavarasu, M.D.
- David B. Corry, M.D.
- Sana Hasan, M.D.
- Koa Hosoki, M.D.
- Onome Ifoeze, M.D.
- Evan Li, M.D.
- Grace Hsiao-Wei Lo, M.D., M.S.
- Rashmi Maganti, M.D.
- Mesias Pedroza, Ph.D.

- Dona Poulouse, M.D.
- Antony Rodriguez, Ph.D.
- Roger D. Rossen, M.D.
- Sanjiv Sur, M.D.
- Li-Yuan Yu-Lee, Ph.D.
- Michael Wu, M.D.

Secondary

- Tiphonie Vogel, M.D., Ph.D.

Emeritus

- Donald Marcus, M.D., Professor Emeritus

HONORS AND ACHIEVEMENTS

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

- Cullen Trust for Healthcare Endowed Chair in Immunology

David Corry, M.D.

- Clarence and Irene H. Fulbright Chair in Pathology

Antony Rodriguez, Ph.D.

- Gillson Longenbaugh Foundation Award

Sanjiv Sur, M.D.

- Nancy Chang Endowed Chair for the Biology of Inflammation Center

Tiphanie Vogel, M.D., Ph.D.

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

Michael Wu, M.D.

- Rheumatology Fellowship Faculty of the Year Award

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

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

- American Association of Immunology – Member
- American College of Rheumatology – Member
- American Thoracic Society – Member

Joan Appleyard, M.D.

- American College of Rheumatology – Member
- Spondylitis Research and Treatment Network (SPARTAN) – Member

Kalpana Bhairavarasu, M.D.

- American College of Rheumatology – Member

David Corry, M.D.

- American Association of Allergy, Asthma, and Immunology – Member
- American Clinical and Climatological Association – Member
- American Society for Clinical Investigation – Member
- Association of American Physicians – Member
- Society for Mucosal Immunology – Member

Sana Hasan, M.D.

- Allergy, Asthma & Immunology Society
- The Greater Houston Allergy, Asthma & Immunology Society

Onome Ifoeze, M.D.

- Alliance for Academic Internal Medicine – Member
- American College of Physicians – Member
- American College of Rheumatology – Member
- S.L.E. Lupus Foundation – Member

Grace Hsiao-Wei Lo, M.D., M.S.

- American College of Rheumatology – Member

Rashmi Maganti, M.D.

- American College of Rheumatology – Member

Donald Marcus, M.D.

- American College of Rheumatology – Master

Antony Rodriguez, Ph.D.

- Genetics Society - Member

Tiphanie Vogel, M.D., Ph.D.

- American Academy of Pediatrics—Member
- American College of Rheumatology—Member
 - AMIGO Mentorship Program—Mentor and Mentee
- American Association of Immunologists—Member
- Childhood Arthritis and Rheumatology Research Alliance—Member
 - Scientific Advisory Committee—Member
- Clinical Immunology Society—Member
- Federation of Clinical Immunology Societies—Member

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Grace Hsiao-Wei Lo, M.D., M.S.

- Editorial board member, *Osteoarthritis Research Society International* – Member Osteoarthritis and Cartilage

Tiphanie Vogel, M.D., Ph.D.

- Editorial board member, *Frontiers in Immunology*, Primary Immunodeficiencies
- Editorial board member, *Frontiers in Pediatrics*, Pediatric Immunology

OTHER SIGNIFICANT ACCOMPLISHMENTS

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

- “Expert-Led Seminars on Psoriatic Diseases, Atopic Dermatitis and Rheumatoid Arthritis, CME, Houston, TX, October 2019

- “Building Bridges Between Dermatology and Rheumatology Teams to Improve Co-Management of Psoriatic Arthritis,” CME, Houston, TX, March 2020
- “Expert-Led Seminars on Psoriatic Diseases, Atopic Dermatitis and Rheumatoid Arthritis, CME, Brooklyn, NY, September 2019
- “Challenging Cases in Rheumatoid Arthritis: A GME Today Advanced Practice Seminar,” Rheumatology Fellows Programs, Chicago, IL, Oct 2019
- “Discussing Case-Based Controversies in Rheumatoid Arthritis Treatment,” CME, Bendcare Summit, Scottsdale AZ, October 2019
- “Cases in Rheumatology” Harris Health Family Medicine Grand Rounds, Houston, Texas, November 2019

Kalpana Bhairavarasu, M.D.

- “Hidden in the Back: A case of an IgG4 related retroperitoneal mass ,” Poster presentation, Baylor College of Medicine, Medicine Residents Research Symposium, Houston, TX, 2020

Sana Hasan, M.D.

- “Combined Antifungal Therapy for Chronic Pulmonary Aspergillosis,” Poster presented at the Texas Children’s Hospital Pediatric Research Symposium, Houston, TX, March 2020

Rashmi Maganti, M.D.

- “Neurologic manifestations of rheumatic disease,” Baylor College of Medicine Neurology Resident Teaching Seminar, Houston, TX, November 2019

Antony Rodriguez, Ph.D.

- “Absence of MicroRNA Let-7bc Cluster in CD11c+ Cells Enhances Experimental COPD,” Poster presented at the 31st BCM Graduate Student Symposium, Houston, TX, November 2019
- “Absence of MicroRNA Let-7bc Cluster in CD11c+ Cells Enhances Experimental COPD,” Poster presented at the 5th Center for Translational Research on Inflammatory Diseases MEDVAMC Research Poster Competition, Houston, TX, November 2019
- “The let-7bc-cluster microRNA Positively and Negatively Modulates Experimentally Induced COPD Acting in Multiple Cell Compartments,” poster presented at the 5th Center for Translational Research on Inflammatory Diseases MEDVAMC Research Poster Competition, Houston, TX, November 2019

Tiphanie Vogel, M.D., Ph.D.

- STAT3 GOF syndrome: Searching for Broad Insight using a Rare Disease.” Institut de Pharmacologie Moléculaire et Cellulaire, Sophia-Antipolis, France. July 2019
- “Characterizing and Caring for a Pediatric Lupus Cohort in a Large, Urban Setting: The Texas Children’s Hospital Experience.” Hôpitaux pédiatriques de Nice CHU-Lenval, Nice, France. July 2019
- “Therapeutic Management of COPA with Rituximab.” COPA Network Medical and Scientific Advisory Meeting. Cedars-Sinai Medical Center. Los Angeles, California. September 2019

- “Infectious and Noninfectious Causes of Recurrent and Periodic Fevers.” American Academy of Pediatrics National Conference and Exhibition. New Orleans, Louisiana. October 2019
- “The Tightrope of Cytokine Signaling in Immune Dysregulation.” American College of Rheumatology Annual Meeting. Atlanta, Georgia. November 2019
- “Job Syndrome without a STAT3 Mutation: Expanding the Genetic Etiologies of Hyper IgE-Syndrome.” Undiagnosed Diseases Network Grand Rounds. February 2020
- “Genomics and Genetics 101.” Clinical Immunology Society Annual Meeting, Denver, Colorado. (Conference cancelled: COVID-19)
- “Monogenic Lupus.” Pediatric Rheumatology Symposium, New Orleans, Louisiana. (Conference cancelled: COVID-19)

Grace Hsiao-Wei Lo, M.D., M.S.

- Grand Rounds at BCM (Oct 3, 2019): “Should Tramadol Be Used in Patients With Osteoarthritis?”. Baylor College of Medicine, Medicine Grand Rounds. October 3, 2019
- “Walking for exercise may be symptom and structure modifying for those with established osteoarthritis and with varus alignment,” 2020 World Congress on Osteoarthritis, Vienna, Austria, April 30-May 3, 2020
- “A Novel Composite Score Reflecting Disease Activity Predicts Future Knee Replacements: Data from the Osteoarthritis Initiative,” poster presentation, American College of Rheumatology Annual Meeting, Atlanta GA, November 2019
- “Patient-Specific Values for Objective Physical Function Tests: Cross-Sectional Analysis Using Data from the Osteoarthritis Initiative,” poster presentation, American College of Rheumatology Annual Meeting, Atlanta GA, November 2019

Michael Wu, M.D.

- “Determinants of Health Increase Office Communication for Patients with Rheumatoid Arthritis,” poster presentation, American College of Rheumatology Annual Meeting, Atlanta GA, November 2019

RESEARCH ACTIVITIES

Grants

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

- **Grant Title:** Validation of novel ixekizumab impacted signaling pathways through meta-analysis of transcriptomic datasets
Funding Agency: Eli Lilly
Investigator Relationship: Co-Principal

Kalpana Bhairavarasu, M.D.

- **Grant Title:** Implementing Decision Aid for Lupus - IDEAL STRATEGY
Funding Agency: PCORI (Patient Centered Outcomes Research Institute)

Investigator Relationship: Principal Investigator - for BCM –Kalpana Bhairavarasu, M.D.
In collaboration with Jasvinder Singh, M.D., M.P.H., University of Alabama, Birmingham)

David Corry, M.D.

- **Grant Title:** Fungal Pathogenesis of Moderate to Severe Asthma
Funding Agency: NIH; AI135803 R01
Investigator Relationship: Principal Investigator
- **Grant Title:** Mechanism and function of Let-7, a novel modulator of Th17-dependent emphysema
Funding Agency: NIH/NHLBI R01HL140398-01A1
Investigator Relationship: Principal Investigator
- **Grant Title:** The Houston “Breathe Easy” Healthy Homes-Based Model
Funding Agency: USDHUD; 54793-A1
Investigator Relationship: Co-Investigator (PI: W. Hamilton)
- **Grant Title:** Pathogenesis of fungal cerebritis related dementia
Funding Agency: NIH/NIAID R01-HL140398-02S1
Investigator Relationship: Principal Investigator
- **Grant Title:** Molecular and Cellular Dissection of miRNAs in Controlling Allergic Airway Inflammation in Mice
Funding Agency: VAMC I01 BX004828-01A1
Investigator Relationship: Principal Investigator

Grace Hsiao-Wei Lo, M.D., M.S.

- **Grant Title:** Feasibility of a Novel Approach to Studying Early Knee Osteoarthritis: an Offspring Study
Funding Agency: NIH/NIAMS R03 AR069323
Investigator Relationship: Principal Investigator
- **Grant Title:** A Pilot Randomized Controlled Trial of Hand Traction for Nodal Osteoarthritis
Funding Agency: NIH/NIAMS
Investigator Relationship: Principal Investigator

Rashmi Maganti, M.D.

- **Grant Title:** A Randomized, double-blind placebo controlled multicenter phase 2 dose ranging study to assess the safety and efficacy of multiple VAY736 doses administered subcutaneously in patients with moderate to severe primary Sjögren’s syndrome
Funding Agency: Novartis Pharmaceuticals
Investigator Relationship: Principal Investigator
- **Grant Title:** Clinical trial CFZ533B2201/Ianumumab-multicenter 48 week 4 arm double blind study for 2 cohorts of Primary Sjogren syndrome
Funding Agency: Novartis Pharmaceuticals
Investigator Relationship: Principal Investigator

Antony Rodriguez, Ph.D.

- **Grant Title:** Role of let-7 microRNA in chronic obstructive pulmonary disease (Rodriguez)
Funding Agency: Gillson-Longenbaugh Foundation Award
Investigator Relationship: Principal Investigator
- **Grant Title:** Mechanism and function of let-7, a novel modulator of Th17-dependent emphysema
Funding Agency: NIH (NHLBI) R01HL140398-01A1
Investigator Relationship: co- Principal Investigator
- **Grant Title:** Role of Let-7 as Genetic modifier of Alzheimer's Disease
Funding Agency: NIH (NHLBI) R01 HL140398-01S1
Investigator Relationship: Principal Investigator
- **Grant Title:** Molecular and Cellular Dissection of miRNAs in Controlling Allergic Airway Inflammation in Mice
Funding Agency: VAMC I01 BX004828-01A1
Investigator Relationship: Co-Investigator

Sanjiv Sur, M.D.

- **Grant Title:** Role of Cytosolic DNA-multiprotein Interactome in Allergic Airway Inflammation
Funding Agency: NIH/NHLBI R01 HL145477-01
Investigator Relationship: Principal Investigator
- **Grant Title:** Role of Cytosolic DNA sensor in Allergic Airway Inflammation
Funding Agency: Dept. of Defense grant, DAMD W81XWH-18-1-0743
Investigator Relationship: Principal Investigator
- **Grant Title:** Allergi lung inflammation induced oxidated DNA damage in the brain as a risk factor for Alzheimer's disease
Funding Agency: NIH/NHLBI 3R01HL145477-0151
Investigator Relationship: Principal Investigator

Tiphanie Vogel, M.D., Ph.D.

- **Grant Title:** BCM Clinical Site for an Undiagnosed Diseases Network (UDN)
Funding Agency: NIH, 1 U01 HG007709-01
Investigator Relationship: Rheumatology Lead (PI: Brendan Lee)
- **Grant Title:** A Targeted Approach to Cytokine Blockade in Juvenile Arthritis (Vogel)
Funding Agency: Thrasher Research Fund
Investigator Relationship: Principal Investigator
- **Grant Title:** Validating STAT3 as a Therapeutic Target in Arthritis (Vogel)
Funding Agency: Arthritis National Research Foundation Grant
Investigator Relationship: Principal Investigator
- **Grant Title:** Crossing the BRIDGE: Transfer & Outcomes (Vogel)
Funding Agency: Rheumatology Research Foundation Medical Student Preceptorship
Investigator Relationship: Principal Investigator

- **Grant Title:** Implementation of a BRIDGE from Pediatric to Adult Rheumatology (Vogel)
Funding Agency: Ligums Family Transition Medicine Grant
Investigator Relationship: Principal Investigator

Li-Yuan Yu-Lee, Ph.D.

- **Grant Title:** Endothelial-to-osteoblast conversion in prostate cancer bone metastasis
Funding Agency: NIH RO1; CA174798-06A1
Investigator Relationship: Principal Investigator
- **Grant Title:** Regulation of Dormancy of Metastatic Prostate Cancer Cells by Bone Microenvironment
Funding Agency: Cancer Prevention and Research Institute of Texas (CPRIT)
Investigator Relationship: Co-investigator

Publications

- Advances in Immunology (IF **5.935**): 1
- American Journal of Respiratory and Critical Care Medicine (IF **17.452**): 1
- Annals of Rheumatic Disease (IF **16.102**): 1
- Arthritis & Rheumatology (IF **9.586**): 1
- Arthritis Care & Research (IF **4.610**): 1
- Arthritis Rheumatology (IF **9.586**): 1
- BMC Musculoskeletal Disorders (IF **2.050**): 2
- Clinical Rheumatology (IF **2.394**): 3
- Current Opinion in Allergy and Clinical Immunology (IF **3.463**): 1
- Current Opinion in Rheumatology (IF **4.006**): 1
- Frontiers in Endocrinology (IF **3.675**): 1
- Frontiers in Immunology (IF **6.429**): 1
- Genetics Medicine (IF **8.904**): 1
- Human Vaccines & Immunotherapeutics (IF **2.619**): 1
- International Journal of Scientific Reports (IF **3.998**): 1
- Journal of Allergy and Clinical Immunology (IF **14.110**): 1
- Journal of Clinical Rheumatology (IF **2.360**): 1
- Journal of Experimental Medicine (IF **11.743**): 1
- Journal of Fungi (IF **4.621**): 1
- Journal of Immunology (IF **4.886**): 1
- Journal of Orthopedic Research (IF **3.14**): 1
- Journal of the American Heart Association (IF **4.605**): 1
- Lupus: Open Access (IF **2.251**): 1
- Medicine & Science in Sports & Exercise (IF **4.478**): 1
- Microbes & Infection (IF **2.373**): 2
- Nature Reviews Immunology (IF **41.650**): 2
- Neuron (IF **14.403**): 1
- PLOS One (IF **2.470**): 1
- Science Advances (IF **13.116**): 1
- The FEBS Journal (IF **4.739**): 1
- The Journal of Clinical Investigation (IF **11.864**): 1
- The Osteoarthritis Initiative (IF **4.742**): 1

Books and Book Chapters

Michael Wu, M.D.

- *Absolute Rheumatology Review*

CENTERS

Biology of Inflammation Center

Founded in 2002, the Biology of Inflammation Center is dedicated to the support of translational immunology research at Baylor through a faculty that includes investigators from diverse fields with broad research interests within the field of immunology. The Center is generously funded through the Houston philanthropic community.

Major Accomplishments

- Continued support of research and education programs in the section that has fostered an increase in research funding in the Section.
- Support of visiting professors and research seminar

SECTION OF INFECTIOUS DISEASES



SECTION CHIEF

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 knowledge, 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 (BCM). As such, the Section is a critical force in achieving both the strategic and mission objectives of the College.

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

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.

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

Thomas P. Giordano, M.D., M.P.H.
MD Anderson Foundation Chair
Professor and Chief, Section of Infectious Diseases

HIGHLIGHTS

- Infectious Disease faculty have taken a leadership role in the US response to the novel coronavirus pandemic caused by the Severe Acute Respiratory Coronavirus-2 (SARS CoV-2). The Vaccine Research Center at Baylor, led by Dr. Hana El Sahly, is a site for the Adaptive COVID-19 Treatment Trial (ACTT) studies and for the phase 3 study of the efficacy of the Moderna mRNA-1273 Vaccine. Dr. Hana El Sahly, principal investigator of the Vaccine Research Center, is national co-principal investigator of the phase 3 study of the Moderna vaccine.
- Infectious Disease faculty have played major roles in BCM's response to the novel coronavirus pandemic caused by the Severe Acute Respiratory Coronavirus-2 (SARS CoV-2), serving as leaders in the Incidence Command Center and sub-committees and in infection control at

Baylor St. Luke's Medical Center (BSLMC), Ben Taub Hospital (BTH), and the Michael E. DeBakey VA Medical Center (MEDVAMC).

- The Section continues to contribute to national practice guidelines and national infectious diseases organizations, with members on the Advisory Committee on Immunization Practices (ACIP) and the Department of Health and Human Services Panel on Antiretroviral Guidelines for Adults and Adolescents; members on National Institutes of Health (NIH) review panels and Food and Drug Administration (FDA) scientific advisory panels; and in leadership committees of the Infectious Diseases Society of America and the American Society of Tropical Medicine and Hygiene.
- Clinical highlights include opening a new travel medicine service and redesigned services for sexually transmitted infections at the MEDVAMC (Dr. Tavakoli Tabasi), expanded transplant infectious diseases services at BSLMC and Baylor Medicine (Dr. Hemmersbach-Miller), and implementation of electronic infectious diseases consult services at Harris Health System (Dr. Dang).
- The Section's faculty continue to have leadership roles in undergraduate and graduate medical education for the Department of Medicine as well as for BCM's School of Medicine and National School of Tropical Medicine.
- The Infectious Diseases faculty were authors on more than 130 peer-reviewed publications and 8 book chapters and the primary members of the Section had \$21,925,218 in research direct costs funding in 2019-2020.

FACULTY

Section Leadership

- Thomas P. Giordano, M.D., M.P.H., Chief of the Section of Infectious Diseases; Medical Director at Thomas Street Health Center (TSHC; Harris Health System's HIV clinic)
- Robert L. Atmar, M.D., Chief of the Infectious Diseases Service at BTH and Smith Clinic
- Laila Woc-Colburn, M.D., Medical Director of Infectious Diseases for the Baylor Faculty Group Practice at BSLMC and the McNair Campus
- Maria C. Rodriguez-Barradas, M.D., Chief of the Infectious Diseases Service at MEDVAMC
- Jose Serpa, M.D., MS, Program Director for the Infectious Diseases fellowship training program
- Prathit Kulkarni, M.D., Associate Program Director for the Infectious Diseases fellowship training program

Faculty

Primary

- Ume Abbas, M.D.
- Mayar Al Mohajer, M.D., MBA
- Monisha Arya, M.D., M.P.H.
- Robert Atmar, M.D.
- Major Bradshaw, M.D., MS
- Katherine Breaux, MS
- Galant Chan, M.D.
- Elizabeth Chiao, M.D., M.P.H.
- Andrew Chou, M.D.

- Eva Clark, M.D., Ph.D.
- Bich Dang, M.D.
- Yuriko Fukuta, M.D.
- Thomas Giordano, M.D., M.P.H.
- Richard Hamill, M.D.
- Marion Hemmersbach-Miller, M.D., Ph.D.
- Penny Jaffe, M.D.
- Prathit Kulkarni, M.D.
- Oyebunmi Kutemi, NP, MS
- Cezarina Mindru, M.D.
- Daniel Musher, M.D.
- George Robert Parkerson, M.D., M.P.H.
- Shital Patel, M.D., MSc
- Maria Rodriguez-Barradas, M.D.
- Stacey Rose, M.D.
- Jose Serpa-Alvarez, M.D., MS
- Shahriar Tavakoli Tabasi, M.D.

- Laila Woc-Colburn, M.D.
- Edward Young, M.D., MS

Co-Primary

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

Secondary

- Rabih Darouiche, M.D.
- Andrew DiNardo, M.D., MS
- Rojelio Mejia, M.D.
- Kenneth Muldrew, M.D., M.P.H.
- Sergio Trevino, M.D.
- Jill Weatherhead, M.D., MS

HONORS AND ACHIEVEMENTS

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

- 2019 Mentor of the Year Award, Center for Innovation in Quality, Effectiveness and Safety, MEDVAMC

Robert Atmar, M.D.

- Best Doctors in America, 2019-2020

Marion Hemmersbach-Miller, M.D., Ph.D.

- 2019 Selected for the Assistant Professor category for the BCM Career Advancement Series

Prathit Kulkarni, M.D.

- 2019 Winner of the Academy of Distinguished Educators Annual Showcase of Educational Scholarship (Faculty category), BCM
- 2020 Elected Fellow, American College of Physicians

Kenneth Muldrew, M.D., M.P.H.

- 2020: O'Neal Spjut Leadership Award, Department of Pathology and Immunology, BCM
- 2019: Ben Taub Hospital Physician Champion ServiceFIRST Hero, 2nd Quarter, Harris Health System

Shital Patel, M.D., MSc

- Senior Fellow, Class XLVI American Leadership Forum

Maria Rodriguez-Barradas, M.D.

- 2019 Infectious Diseases Fellows special achievement “The most likely to rally the troops,” BCM

Jose Serpa-Alvarez, M.D.

- 2019 Elected Fellow, Infectious Diseases Society of America

Jill Weatherhead, M.D., MS

- 2020 Faculty of the Year, Infectious Diseases Fellows, BCM
- 2020 Dean’s Award of Excellence, Graduate School of Biomedical Research, BCM
- National Institutes of Health Loan Repayment Program Recipient

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

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

- American Medical Writers Association, Southwest Chapter, Co-Director At-Large
- American Medical Writers Association, Southwest Chapter, Social Media Co-Coordinator
- American Medical Writers Association, Southwest Chapter, Social Media Coordinator
- Society for Health Communication, Member
- Mayo Clinic Social Media Network, Member

Eva Clark, M.D., Ph.D.

- United States Chagas Disease Providers Network, Co-Director

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

- Infectious Diseases Society of America, Fellow

Marion Hemmersbach-Miller, M.D., Ph.D.

- Infectious Diseases Society of America (IDSA) Publication Committee, voting member
- American Society of Transplantation (AST), Member
- IDSA, Member
- American Medical Association, Member

Rojelio Mejia, M.D.

- American Society of Tropical Medicine and Hygiene, Member

Kenneth Muldrew, M.D., M.P.H.

- Accreditation Council for Graduate Medical Education; Medical Microbiology Fellowship Training Milestones Working Group for the review and revision of the current Milestones
- Association for Molecular Pathology Member, Infectious Diseases Subcommittee
- Association for Molecular Pathology Member, Clinical Practice Committee

Jose Serpa-Alvarez, M.D.

- National Board of Medical Examiners (NBME)/IDSA In-Training Exam Committee, Member

- Scientific Program Committee, American Society of Tropical Medicine and Hygiene (ASTMH), member

Shahriar Tavakoli Tabasi, M.D.

- Federal Sexually Transmitted Infections Action Plan 2019, Secondary and Tertiary Prevention Including Care Subcommittees, Member
- Department of Veterans Affairs, STI affinity group and HIV PrEP group, Member
- Ending the HIV Epidemic: VA National Response Effort, Member

Jill Weatherhead, M.D., MS

- IDSA IDWeek Mentorship Program, Mentor
- IDSA IDWeek Global Health Abstract Committee, Reviewer
- ASTMH cTropMed Committee, Member
- IDSA, Global Health Advisory Committee, Member
- Pediatric Infectious Disease Society, Publications Committee, Member
- American Association of University Women, Grant Selection Committee, Member
- Pediatric Infectious Disease Faculty Research Core Committee, Member

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Robert Atmar, M.D.

- Editor, *Journal of Infection*, North American
- Member, *Journal of Infectious Diseases* (ad hoc), Editorial Advisory Board
- Member, *Vaccine*, Council of 100

Rojelio Mejia, M.D.

- Co-Editor in Chief, Springer *Journal of Current Tropical Medicine Reports*
- Guest Editor, *PLoS Neglected Tropical Diseases*

Shahriar Tavakoli Tabasi, M.D.

- Member, *Annals of Nursing and Primary Care*
- Reviewer, *Journal of Infection*
- Reviewer, *International Journal of Infectious Diseases*

Jill Weatherhead, M.D., MS

- Associate Editor, *Tropical Diseases, Travel Medicine and Vaccines*

OTHER SIGNIFICANT ACCOMPLISHMENTS

Robert Atmar, M.D.

- Member, NIH/NIAID/DMID Protocol No. 12-0034 – Phase I Study to Determine the Human Infectious Doses Causing 50% Infection with the GII.2 Snow Mountain Norovirus Filtrate, SNM

- Member, Sabin Vaccine Institute Protocol No. SVI-CH-01 – An Experimental Infection Study of Dermally-applied Infectious *Necator americanus* Hookworm Larvae in Hookworm-naïve Adults, Member
- DSMB Member, NIH/NHLBI – Influenza Vaccine to Effectively Stop Cardio Thoracic Events and Decompensated Heart Failure (INVESTED)
- SMC Member, Seres Therapeutics - ECOSPOR III: A Phase 3 Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Safety, Tolerability, and Efficacy of SER-109 vs. Placebo to Reduce Recurrence of Clostridium difficile Infection (CDI) in Adults Who Have Received Antibacterial Drug Treatment for CDI
- DSMB Chairman, NIH/NIAID/DMID Protocol No. 17-0089 – A Phase 1, Dose Escalation Study of the Safety and Immunogenicity of a Novel Rabies Vaccine ChAd155-RG vs the Comparator RABAVERT Vaccine in Healthy Adult Subjects
- Member, NIH/NIAID/DMID Protocol No. 18-0018 – A Phase 1, Randomized, Placebo Controlled Trial to Evaluate the Safety, Tolerability, and Immunogenicity of the Sm-p80 + GLA-SE (SchistoShield(R)) Vaccine in Healthy Adults
- Member, George Washington University, TSP18-03 - A Phase I/II Study of the Safety, Reactogenicity, and Immunogenicity of Sm-TSP-2/Alhydrogel® with or without AP 10-701 for Intestinal Schistosomiasis in Healthy Ugandan Adults
- Member, Advisory Committee on Immunization Practices (ACIP)

Katherine Breaux, MS

- Presenter, HIV: New Medications, New Directions. VAAPA National Meeting, San Antonio, Texas, November 2019

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

- *Ad hoc* Committee Member, United States FDA Antimicrobial Drugs Advisory Committee, August 7, 2019
- Invited Speaker, “Retention in HIV Care: What is the Evidence in the US?” IDWeek Annual Meeting, Washington, DC, October 5, 2019
- Invited Speaker, “Same Day Therapy: Con,” IDWeek Annual Meeting, Washington, DC, October 4, 2019
- Member, Department of Health and Human Services Panel on Antiretroviral Guidelines for Adults and Adolescents

Marion Hemmersbach-Miller, M.D., Ph.D.

- Ongoing involvement in multidisciplinary workgroups addressing transplant quality improvement (COVID-19, vaccination, HIV solid organ transplantation, donor testing, hepatitis B or C positive donors etc., and development of center-specific protocols.
- American Transplant Congress 2020
- Transplant Round-Up; BCM/BSLMC, Houston, TX. March 2020
- Medical Advisory Committee Meeting; Lifegift, Houston, TX. Nov 2019.

George Robert Parkerson, M.D.

- Director, Global Health Track for medical students, BCM
- President, Houston Shoulder to Shoulder Foundation

Maria Rodriguez-Barradas, M.D.

- Organizer, 2019 annual Daniel Musher Invited Professor Lecture with Dr. Saima Aslam
- Presenter, ID Week 2019, “My most difficult cases in HIV session”
- Moderator, ID Week 2019 (2 sessions)
- MEDVAMC, COVID-19 Workgroup 2020
- Member, National HIV Strategy Indicators Subcommittee, in charge of developing the indicators for HIV for 2021-2030 (*Ending the HIV Epidemic Initiative: A Plan for America*)

Stacey Rose, M.D.

- Member, IDSA Education Committee (October 2019-present)
- Subject Group Lead, Bartonellosis section of the NIH-CDC-HIVMA/IDSA Guidelines for Prevention and Treatment of Opportunistic Infections in Adults and Adolescents with HIV

Shahriar Tavakoli Tabasi, M.D.

- Lead Clinician, STI Program, MEDVAMC 2019
- Founder/Lead Clinician, Travel Medicine Clinic MEDVAMC
- High Reliability Organization Workgroup, MEDVAMC
- Member, Sepsis Task-force, MEDVAMC 2019
- MEDVAMC Travel Medicine Program: proposed and established the first Travel Medicine clinic in MEDVAMC
- PI, Sexually Transmitted Infections Program Redesign, MEDVAMC: developed a new STI program in MEDVAMC, including agreements with primary care services, new consultation templates, new management templates and integration of HIV pre-exposure prophylaxis (PrEP)

RESEARCH ACTIVITIES

Grants

Robert Atmar, M.D.

- SAR-CoV-2 support of novel coronavirus vaccine and therapeutic development; NIH
- Leadership Group for the Infectious Diseases Clinical research consortium; NIH

Elizabeth Chiao, M.D., M.P.H.

- The effectiveness of screening HIV-infected women for anal cancer precursors; NIH
- Determining the accuracy of self and partner anal exams for detecting anal abnormalities; NIH
- The effectiveness of high resolution microendoscopy (HRME) in high grade intraepithelial lesions (HSIL) diagnosis for people living with HIV; NIH
- Reducing cancer treatment disparities for persons with HIV; NIH
- Clinical site agreement to conduct AIDS malignancy consortium (AMC) clinical trials; NIH

Bich Dang, M.D.

- Refinement and pilot testing of a highly innovative provider coaching and feedback intervention to improve the patient HIV care experience; NIH

Andrew DiNardo, M.D., MS

- BCG as Defense Against SARS-COVID19; Texas A&M
- Persistent DNA methylation of the IFN- γ signaling pathway during Tuberculosis; American Association of Immunology
- Persistent DNA methylation of the IFN- γ signaling pathway during Tuberculosis; NIH
- Restoration of BCG immunity after helminth-induced epigenetic-mediated immune exhaustion; Thrasher Research Fund
- Azacytidine during Anti-Tuberculosis therapy; Celgene Pharmaceutical
- Quantifiable stool-based TB PCR to improve diagnostics and treatment monitoring; NIH
- Quantification of circulating Mtb antigens for rapid TB diagnosis and treatment monitoring; US Department of Defense

Hana El Sahly, M.D.

- Vaccine and Treatment Evaluation unit; NIH
- Adaptive COVID-19 Treatment Trial; NIH
- Phase 3 COVID-19 vaccine efficacy clinical trials; NIH
- Leadership Group for the Infectious Diseases Clinical Research Consortium COVID 19 Supplement; NIH

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

- International AIDS education and training center; HRSA
- Effectiveness of an integrated treatment to address smoking cessation and anxiety/depression in people living with HIV; NIH

Rojelio Mejia, M.D.

- Dual therapy to reduce the burden of *Trichuris trichiura* in Honduras; Mundo Sano Foundation
- Hookworm infection in children is associated with negative health outcomes in rural Alabama; Thrasher Research Fund
- Impact of nitazoxanide on *Cryptosporidium* burden in HIV-infected patients; Romark Laboratories, LC
- Quantifiable stool-based assays for intestinal parasites in Texas based populations; Texas Public Health Department Grant
- Developing a response for natural catastrophes from infectious diseases; NSF
- Controlled Infection for Testing Efficacy Hookworm Vaccines in Brazil; Welcome Trust
- Controlled Infection Trial to Test Efficacy of Hookworm Vaccine with Different TLR Agonists; NIH.
- Quantifiable Stool-based TB PCR to Improve Diagnostics and Treatment Monitoring; NIH

Shital Patel, M.D.

- Regional AIDS Education and Training Centers Program; HRSA
- Texas NeuroAIDS Research center; NIH

Maria Rodriguez-Barradas, M.D.

- Active surveillance to quantify the burden of viral gastroenteritis in US Veterans Affairs (VA) patient population; CDC
- Alcohol and Multisubstance use in the Veterans aging cohort study; NIH
- Randomized trial to prevent vascular events in HIV; KOWA Pharmaceuticals America, Inc.

Jose Serpa-Alvarez, M.D.

- Invasive Mold Infections at Ben Taub Hospital contract to obtain data, abstracted from the medical charts, of potential invasive mold infections at Ben Taub Hospital (Harris Health System); CDC
- 2019 IDSA Annual meeting - ID fellowship travel grant, Janssen Scientific Affairs, LLC

Jill Weatherhead, M.D., MS

- Discovering the Immunologic Mechanisms of Ascaris-induced Allergic Airway Disease; NIH

Publications

- Addiction Science & Clinical Practice (IF 5.237): 1
- AIDS (IF 4.060): 3
- AIDS and Behavior (IF 2.95): 2
- AIDS Care (IF 2.02): 2
- AIDS Patient Care and STD (IF 3.58): 2
- AIDS Research and Human Retroviruses (IF 1.670): 2
- American Journal of Respiratory and Critical Care Medicine (IF 17.45): 1
- American Journal of Clinical Pathology (IF.78): 1
- American Journal of Medicine (IF 1.911): 1
- American Journal of Infection Control (IF 2.030): 1
- American Journal of Obstetrics and Gynecology (IF 4.704): 1
- American Journal of Physiology Gastrointestinal and Liver Physiology (IF 3.760): 1
- American Journal of Transplantation (IF 7.163): 2
- American Journal of Tropical Medicine and Hygiene (IF 2.325): 6
- Annals of Otology, Rhinology & Laryngology (IF 1.284): 1
- Avicenna Journal of Medicine (IF 0.40): 1
- BMC Gastroenterology (IF 2.350): 1
- BMC Health Services Research (IF 2.01): 1
- BMC Infectious Diseases (IF 2.688): 1
- Canadian Journal of Neurological Sciences (IF not listed): 1
- Case Reports Infectious Diseases; (No IF available): 1
- Case Reports Obstetrics and Gynecology (IF Unknown): 3
- Cell Host Microbe (IF 15.753): 1
- Chest (IF 8.308): 1
- Child: Care, Health and Development (IF 2.100): 2
- Clinical Infectious Diseases (IF 8.886): 11

- Cureus (IF not available): 2
- Current Opinions on Infectious Diseases (IF **not listed**): 1
- Current Infectious Disease Reports (IF **2.96**): 3
- Diabetes (IF **7.372**): 1
- European Journal of Clinical Microbiology and Infectious Diseases (IF **2.837**): 2
- European Urology (IF: **17.89**): 1
- Frontiers in Microbiology (IF **4.259**): 1
- Gastroenterology (IF **17.373**): 1
- Handbook of Experimental Pharmacology (IF **15.550**): 1
- Health Promotion Practice (IF **1.050**): 1
- HIV Medicine (IF **3.734**): 2
- Hospital Practice (IF **.0970**): 1
- Human Vaccines & Immunotherapeutics (IF **2.619**): 2
- International Journal of STD & AIDS (IF **1.406**): 1
- Infection Control & Hospital Epidemiology (IF **1.22**): 1
- Journal of Law, Medicine & Ethics (IF **1.085**): 1
- Journal of Acquired Immune Deficiency Syndromes (IF **3.475**): 9
- Journal of Clinical Investigation (IF **10.510**): 1
- Journal of Fungi (IF **Under Calculation**): 1
- Journal of General Virology (IF **2.809**): 1
- Journal of Infectious Diseases (IF **5.997**): 7
- Journal of Investigative Medicine (IF **2.30**): 2
- Journal of Lower Genital Tract Disease (IF **1.306**): 1
- Journal of Medical Case Reports (IF **0.620**): 1
- Journal of Mobile Technology in Medicine (IF **Unknown**): 1
- Journal of Substance Abuse Treatment (IF **2.620**): 1
- Journal of the American Academy of PAs (IF **0.18**): 1
- Journal of the American Board of Family Medicine (IF **1.96**): 1
- Journal of the American Medical Association (IF **14.780**): 1
- Journal of the National Cancer Institute (IF **11.577**): 1
- Journal of Virology (IF **1.786**): 2
- Kidney International Reports (IF **3.374**): 1
- Lancet HIV (IF **14.813**): 1
- Lancet Respiratory Medicine (IF **25.09**): 1
- Laryngoscope Investigative Otolaryngology (IF **Unknown**): 1
- Mayo Clinic Proceedings (IF **5.72**): 1
- mBio (IF **5.311**): 2
- Methods of Molecular Biology (IF **10.71**): 2
- Morbidity and Mortality Weekly Reports Recommendations and Reports (IF **14.874**): 3
- New England Journal of Medicine (IF **37.910**): 5
- OBM Transplantation (IF **Unknown**): 1
- Open Forum Infectious Diseases (IF: **3.240**): 9
- Oral Oncology (IF **3.979**): 1
- Parasites and Vectors (IF **3.430**): 2
- Parasitology Research (IF **2.260**): 1
- Pharmacoepidemiology Drug Safety (IF **2.870**): 1
- PLOS Neglected Tropical Diseases (IF **4.400**): 4
- PLoS One (IF **2.870**): 2
- PLoS Pathogens (IF **2.19**): 1
- Pneumonia (IF **Not listed**): 1

- Proceedings of the National Academy of Sciences of U S A (IF **9.661**): 2
- Progress in Cardiovascular Diseases (IF **6.162**): 1
- Science Advances (IF **12.53**): 1
- Tissue Engineering Part B: Reviews (IF **5.724**): 1
- Vaccine (IF **3.310**): 10
- Virology (IF **2.819**): 1
- Viruses (IF **3.760**): 2

Books/Book Chapters

Andrew DiNardo, M.D.

- **DiNardo, AR**, Mandalakas AM. Potential Immunology, transcriptomics and epigenomic prediction tools of the future to improve tuberculosis control. September 2019. Book Chapter. *Tuberculosis Host-Pathogen Interactions*. Springer, Cham. https://doi.org/10.1007/978-3-030-25381-3_10

Rojelio Mejia, M.D.

- Mejia R, Weatherhead J, Hotez PJ. *Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases 9th*. Elsevier (in press). Intestinal Nematodes (Roundworms) chapter 2019
- Sakanari J, Mejia R, Hotez PJ. *Jawetz, Melnick, & Adelberg's Medical Microbiology 28th ed*. McGraw-Hill Medical (in press). Medical Parasitology Section 2019

Daniel Musher, M.D.

- Musher DM. Overview of pneumonia. IN: Goldman-Cecil, *Medicine, 26th edition*, 2019, p. 592-602.
- Janoff EN, Musher DM. Streptococcus pneumoniae. In: Bennett JE, Dolin R, Blaser MJ, eds. *Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. 9th ed*. Saunders, Philadelphia; 2019

Stacey Rose, M.D.

- Rose SR and Koehler, J. Bartonella, including cat-scratch disease. In: Bennet JE, Dolin R and Blaser M, eds. *Mandell, Douglas and Bennett's Principles and Practice of Infectious Diseases, 9th edition*. Philadelphia, PA: Elsevier, 2019. 4.
- Hamill RJ and Rose SR. Mycotic infections. In: Papadakis MA, McPhee SJ, Rabow MW, eds. *Current Medical Diagnosis and Treatment, 2019 edition*. New York, NY: McGraw-Hill, 2019

Jennifer Whitaker, M.D.

- Whitaker JA, Sohail MR. Chapter 46: Sexually Transmitted, Urinary Tract, and Gastrointestinal Tract Infections. In: Wittich C, Editor, *12th Edition of the Mayo Clinic Internal Medicine Board Review Textbook*. Oxford University Press; Oct 2019. DOI: 10.1093/med/9780190938369.001.0001
- Whitaker JA, Tosh PK. Chapter 45: Pulmonary and Mycobacterial Infections. In: Wittich C, Editor, *12th Edition of the Mayo Clinic Internal Medicine Board Review Textbook*. Oxford University Press; Oct 2019. DOI: 10.1093/med/9780190938369.001.000

- Whitaker JA. Chapter 6: Tuberculosis and HIV. Heartland National TB Center and Mayo Clinic, 2020: *The Spectrum of Tuberculosis from Infection to Disease, TB at a Glance, 3rd Edition*. Publisher: Heartland National Tuberculosis Center; 2020.
https://www.heartlandntbc.org/assets/products/The_Spectrum_of_TB.pdf

PRESS

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

- Rodriguez N, Arya M. Compartiendo perspectivas de COVID-19: Que se dice en las noticias y que significa? El Periodico USA. April 15, 2020. (Dr. Arya and her student mentee, Ms. Natalia Rodriguez, explained COVID-19 terms to a Spanish-reading audience. Spanish translation provided by Rodriguez.)
- Rodriguez N, Arya M. La importancia de mantener el distanciamiento social. Houston Chronicle La Voz. April 15, 2020. (Dr. Arya and her student mentee, Ms. Natalia Rodriguez, explained the need for social distancing during COVID-19 to a Spanish-reading audience. Spanish translation provided by Rodriguez.)
- Arya, M. Reflections from the bench during the COVID-19 crisis. Medscape. www.medscape.com. April 16, 2020.
- Isola A, Arya M, Viswanath K. Using telemedicine during COVID19 may perpetuate health disparities in Harris County. Houston Medical Journal. May 2020.

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

- Interviewed by Heather Boerner for Medscape HIV/AIDS story, “Monthly shots for HIV within reach,” published March 19, 2019, available at: https://www.medscape.com/viewarticle/910616?nlid=128940_721&src=WNL_mdplsfeat_190326_mscpedit_aids&uac=22376SY&spon=1&impID=1918658&faf=1#vp_3
- Tsai A, Siedner MJ and Giordano TP. “Data: COVID-19 slows with social distancing,” Houston Chronical editorial, published April 16, 2020.
- Interviewed by Allen Levine, WPIX-TV, New York City. “COVID-19 devastates NYC but spares San Francisco. Why?,” available at <https://www.pix11.com/news/coronavirus/covid-19-devastates-nyc-but-spare-san-francisco-why>, published May 11, 2020.
- Interviewed by Mabel Jong, HealthDay News. “Is Reopening the US Happening Too Fast or Too Slow? 2 Experts Debate Their Opinions,” available at <https://live.healthday.com/hd-live-is-reopening-the-us-happening-too-fast-or-too-slow-2-experts-debate-their-opinions-2646200502.html>, published June 19, 2020.
- Interviewed by Michelle Cortez, Bloomberg News, “Virus fatality picture is obscured by the ultimate lagging indicator,” available at <https://news.bloomberglaw.com/coronavirus/virus-fatality-picture-is-obscured-by-ultimate-lagging-indicator>, published June 28, 2020.

Prathit Kulkarni, M.D.

- TV interviews
 - March 30, 2020

- <https://www.click2houston.com/news/local/2020/04/29/harris-county-to-hire-hundreds-of-contact-tracers-to-track-coronavirus-cases/>
- May 8, 2020
 - KPRC 2 (Houston): “Data trends show Houston is not out of the coronavirus woods yet”; Website: [“https://www.click2houston.com/news/investigates/2020/05/09/data-trends-show-houston-is-not-out-of-the-coronavirus-woods-yet/](https://www.click2houston.com/news/investigates/2020/05/09/data-trends-show-houston-is-not-out-of-the-coronavirus-woods-yet/)
 - May 12, 2020
 - ABC 13 (Houston): “Risks of COVID-19 in reopening”; Website: <https://mms.tveyes.com/MediaCenterPlayer.aspx?u=aHR0cDovL21lZGhhY2Vu dGVyLnR2ZXllcy5jb20vZG93bmxvYWRnYXRld2F5LmFzcHg%2FVXNlckl EPTQ1NTgyNCZNREIEPTEzMjEzYzJk1EU2VIZD02NDI4JIR5cGU9TW VkaWE%3D>
 - May 13, 2020
 - KPRC 2 (Houston): “Houston area seeing slight uptick in number of coronavirus cases, but what does it mean?”; Website: <https://www.click2houston.com/news/investigates/2020/05/14/houston-area-seeing-slight-uptick-in-number-of-coronavirus-cases-but-what-does-it-mean/>
 - May 20, 2020
 - ABC 13 (Houston): “Will heat kill the COVID-19 spread this summer? Here’s what we know”; Website: <https://abc13.com/health/is-it-safe-to-swim-during-pandemic-heres-what-we-know-/6199188/>
 - May 20, 2020
 - ABC 13 (Houston): “How safe is the dentist & travel?”; Website: <https://mms.tveyes.com/MediaCenterPlayer.aspx?u=aHR0cDovL21lZGhhY2Vu dGVyLnR2ZXllcy5jb20vZG93bmxvYWRnYXRld2F5LmFzcHg%2FVXNlckl EPTQ1NTgyNCZNREIEPTEzMjQzOTM2Jk1EU2VIZD04MTEyJIR5cGU9T WVkaWE%3D>
 - May 28, 2020
 - KPRC 2 (Houston) (Live Facebook interview): “How long has coronavirus been spreading in Houston?”; Website: <https://www.facebook.com/110260895670639/videos/352313032412133/>
 - [As of July 14, 2020, the interview had received ~21,000 views on Facebook](#)
 - June 15, 2020
 - ABC 13 (Houston): “More restaurants temporarily close as coronavirus cases increase”; Website: <https://abc13.com/business/more-restaurants-temporarily-close-as-coronavirus-cases-increase/6248599/>
 - June 23, 2020
 - KPRC 2 (Houston): “Medical workers concerned about rise in cases”; Website: <https://mms.tveyes.com/MediaCenterPlayer.aspx?u=aHR0cDovL21lZGhhY2Vu dGVyLnR2ZXllcy5jb20vZG93bmxvYWRnYXRld2F5LmFzcHg%2FVXNlckl>

[EPTQ1NTgyNCZNREIEPTEzMzg0ODE2Jk1EU2VIZD00Mj15JIR5cGU9TWWkaWE%3D](https://www.reuters.com/article/us-health-coronavirus-tracing-explainer/explainer-what-is-contact-tracing-and-how-can-it-help-fight-the-new-coronavirus-idUSKCN21W2N3)

- Print interviews
 - April 14, 2020
 - Reuters: “Explainer: What is contact tracing and how can it help fight the new coronavirus?”; Website: <https://www.reuters.com/article/us-health-coronavirus-tracing-explainer/explainer-what-is-contact-tracing-and-how-can-it-help-fight-the-new-coronavirus-idUSKCN21W2N3>
 - April 17, 2020
 - SHAPE magazine: “When, exactly, should you self-isolate if you think you have the coronavirus?”; Website: <https://www.shape.com/lifestyle/mind-and-body/when-to-self-isolate-coronavirus>
 - May 18, 2020
 - Lifehacker: “What we know about coronavirus super-spreader events”; Website: <https://vitals.lifehacker.com/what-we-know-about-coronavirus-super-spreader-events-1843519741>
 - May 21, 2020
 - Parade magazine: “How to get a contact tracer job to battle the coronavirus pandemic”; Website: <https://parade.com/1041580/jessicasager/how-to-get-a-contact-tracer-job/>
 - May 25, 2020
 - Victoria Advocate: “Learn to enjoy summer traditions safely, expert says”; Website: https://www.victoriaadvocate.com/covid-19/learn-to-enjoy-summer-traditions-safely-expert-says/article_ca21eac2-9ea9-11ea-8df6-7b3829e6c732.html
 - May 26, 2020
 - Health magazine: “Is it safe to go to a wedding during COVID-19? Here’s what experts say”; Website: <https://www.health.com/condition/infectious-diseases/coronavirus/is-it-safe-to-go-to-a-wedding-during-covid-19>
 - June 17, 2020
 - Baylor College of Medicine press release: “Assess your risk level when making Father’s Day plans”; Website: <https://www.bcm.edu/news/assess-your-risk-level-when-making-fathers-day-plans>
 - June 19, 2020
 - Reform Austin: “Which fun things should you do now? Experts respond”; Website: <https://www.reformaustin.org/coronavirus/which-fun-things-should-you-do-now-as-texas-reopens/>
- Radio interviews
 - May 17, 2020
 - talkzone.com: “Contact tracing 101”; Website: <https://www.talkzone.com/episodes/199/10698.html>

Jill Weatherhead, M.D., MS

- March 10, 2020
 - KPRC (Haley Hernandez) <https://www.click2houston.com/health/2020/03/10/how-to-best-cover-your-sneeze-without-using-your-hands-or-elbow/>
 - KPRC (Haley Hernandez) <https://www.click2houston.com/health/2020/03/11/can-antiviral-medications-work-to-treat-coronavirus/>
 - KPRC (Haley Hernandez) <https://www.nbc-2.com/story/41891481/do-you-cover-your-sneezes-the-right-way>
 - KPRC (Haley Hernandez) <https://www.wsav.com/health/coughing-sneezing-reduce-your-risk/>
 - KPRC (Haley Hernandez) <https://www.click2houston.com/health/2020/03/16/determining-whether-coronavirus-is-a-seasonal-outbreak/>
 - KPRC (Haley Hernandez) <https://www.wave3.com/2020/03/14/doctors-continue-stressing-importance-hand-washing/>
 - KPRC (Haley Hernandez) <https://www.wsav.com/news/coughing-sneezing-reduce-your-risk/>
- March 13, 2020
 - CBS Austin KEYE (Adela Uchida) <https://cbsaustin.com/news/local/we-answer-your-questions-about-the-coronavirus>
 - KHOU (Chris Costa) <https://www.khou.com/video/news/health/coronavirus/baylor-college-of-medicines-dr-jill-weatherhead-on-coronavirus-testing/285-f8bc021c-c27b-413c-881b-7fe7073def2a>
 - KHOU (Chris Costa) <https://www.khou.com/article/news/health/coronavirus/fda-warns-of-scammers-selling-products-claiming-to-treat-coronavirus/285-e586faf6-c995-43a2-9c31-14de12861118>
 - Everyday Health <https://www.everydayhealth.com/infectious-diseases/ways-the-coronavirus-is-changing-everyday-life/>
- March 16, 2020
 - Washington Post (Mike Stobbe, AP) https://www.washingtonpost.com/health/how-social-distancing-works-and-what-it-means-for-you/2020/03/16/ce161828-67c8-11ea-b199-3a9799c54512_story.html
- March 17, 2020
 - KPRC (Mario Diaz) <https://www.click2houston.com/health/2020/03/18/businesses-offering-coronavirus-services-popping-up-in-houston-but-consumers-need-to-be-careful/>
 - Brains On! (Sanden Totten) <https://www.brainson.org/shows/2020/03/24/staying-home-how-social-distancing-helps-fight-coronavirus>
 - KTRH <https://ktrh.iheart.com/content/2020-03-17-americans-compare-coronavirus-pandemic-to-h1n1/>
- March 18, 2020
 - ABC 13 (TJ Park) Aired, no online link available 3/18/2020
- March 19, 2020

- GolfWeek <https://golfweek.usatoday.com/2020/03/21/playing-golf-coronavirus-outbreak-is-it-safe-doctors> 3/19/2020
- GolfWeek <https://finance.yahoo.com/news/golf-essential-activity-during-coronavirus-203644270.htm> 3/19/2020
- GolfWeek <https://www.foxbusiness.com/sports/golf-essential-activity-coronavirus-3/19/2020>
- March 20, 2020
 - Houston Chronicle <https://www.houstonchronicle.com/news/houston-texas/houston/article/Virus-could-hit-Harris-unevenly-15147054.php> 3/20/2020
 - KRPC (Haley Hernandez) <https://www.click2houston.com/health/2020/03/21/haleys-health-inbox-if-someone-has-recently-had-pneumonia-are-they-more-susceptible-to-coronavirus/> 3/20/2020
- March 23, 2020
 - ABC 13 (Steve Campion Aired, no online link available 3/23/2020)
 - KRPC <https://mms.tveyes.com/MediaCenterPlayer.aspx?u=aHR0cDovL211ZGhhY2VudGVyLnR2ZXllcy5jb20vZG93bmxvYWRnYXRld2F5LmFzcHg%2FVXNlcklEPTc5NzUxMiZNRElEPTlEOTkwNDk2Jk1EU2VIZD03NDImVHlwZT1NZWRpYQ%3D%3> 3/23/2020
- March 24, 2020
 - GQ <https://www.gq.com/story/what-to-wear-outside-coronavirus> 3/24/2020
- March 25, 2020
 - Houston Chronicle <https://www.houstonchronicle.com/lifestyle/renew-houston/health/article/what-to-do-if-you-think-you-have-coronavirus-15162815.php> 3/25/2020
- March 26, 2020
 - BCM <https://www.bcm.edu/news/infectious-diseases/how-to-social-distance-while-being-outdoors> 3/26/2020
- March 30, 2020
 - KRPC <https://www.click2houston.com/health/2020/03/28/houston-area-woman-with-coronavirus-describes-symptoms-medical-advice-and-isolation-from-family/> 3/27/2020
 - ABC13 <https://abc13.com/coronavirus-social-distancing-how-do-you-distance-outside/6066200/> 3/30/2020
- March 31, 2020
 - KTRH <https://ktrh.iheart.com/content/2020-03-31-texans-facing-shortage-of-coronavirus-tests-surge-in-demand/> 3/31/2020
- April 1, 2020
 - Houston Chronicle <https://www.houstonchronicle.com/lifestyle/renew-houston/fitness/article/disease-expert-coronavirus-outside-exercise-social-15170071.php#> 4/1/2020

- KTRH <https://www.spreaker.com/user/9808747/dr-jill-weatherhead-why-are-tests-taking-4/1/2020>
- April 2, 2020
 - BCM <https://blogs.bcm.edu/2020/04/10/what-do-doctors-want-you-to-know-about-the-novel-coronavirus/4/2/2020>
- April 3, 2020
 - KPRC <https://www.click2houston.com/health/2020/04/04/whats-next-after-you-stay-home-and-the-coronavirus-is-contained/4/3/2020>
- April 6, 2020
 - HearSay with Cathy Lewis <https://podcasts.whro.org/hearsay/04062020.mp3?siteplayer=true&dl=1> 4/6/2020
 - WebMD <https://www.webmd.com/lung/news/20200407/parasite-drug-shows-early-promise-against-covid-19> 4/6/2020
 - WebMD <https://www.livetradingnews.com/amp/covid-19-drug-research-ivermectin-might-emerge-as-one-of-the-most-suitable-drug-candidates-for-covid-19-172436.html> 4/6/2020
- April 7, 2020
 - CornNation <https://www.cornnation.com/2020/4/8/21212077/will-there-be-college-football-season-2020-fall> 4/7/2020
 - Digest, Karla Walsh) The Healthy (Readers <https://www.thehealthy.com/infectious-disease/i-think-i-had-coronavirus/> 4/7/2020
 - Mother Jones <https://www.motherjones.com/coronavirus-updates/2020/04/fox-news-is-promoting-a-viral-video-about-how-coronavirus-spreads-take-it-with-a-grain-of-salt/> 4/7/2020
 - Houston Matters <https://www.houstonpublicmedia.org/articles/news/2020/04/07/366404/special-edition-dr-jill-weatherhead-dietrich-von-biedenfeld-april-7-2020/> 4/7/2020
- April 13, 2020
 - Yahoo News (Korin Miller) <https://news.yahoo.com/best-face-masks-coronavirus-171040782.html> 4/13/2020
 - Yahoo News (Korin Miller) <https://www.yahoo.com/lifestyle/non-surgical-fabric-face-masks-150502645.html> 4/13/2020
 - Yahoo News (Korin Miller) <https://news.yahoo.com/social-distancing-visit-family-friends-152200178.html> 4/13/2020
- April 14, 2020
 - Houston Matters <https://www.houstonpublicmedia.org/articles/shows/houston-matters/2020/04/14/367029/special-edition-dr-jill-weatherhead-and-dietrich-von-biedenfeld-april-14-2020/> 4/14/2020
 - Community Impact (Shawn Arrajj) <https://communityimpact.com/houston/cy-fair/coronavirus/2020/04/15/qa-as-texas-considers-how-to-reopen-the-economy-disease-expert-urges-careful-planning/> 4/14/2020

- April 16, 2020
 - Astros Baseball https://anchor.fm/astrosbaseball/episodes/A-Conversation-With-Infectious-Disease-Specialist-Dr--Jill-Weatherhead-ectitq_4/16/2020
- April 21, 2020
 - BCM Talk to a Scientist <https://blogs.bcm.edu/2020/05/11/ask-me-about-my-research-covid-19-edition-episodes-1-and-2/> (May 11th, 2020) 4/21/2020
 - BCM Talk to a Scientist <https://blogs.bcm.edu/2020/05/18/ask-me-about-my-research-covid-19-edition-episodes-3-and-4/> (May 18th, 2020) 4/21/2020
- April 27, 2020
 - Hearsay with Cathy Lewis <http://www.hearsay.org/4/27/2020>
 - Houston Matters https://www.houstonpublicmedia.org/articles/shows/houston-matters/2020/04/27/368133/special-edition-dr-vivian-ho-and-dr-jill-weatherhead-april-27-2020/?utm_source=rss-houston-matters-article&utm_medium=link&utm_campaign=hpm-rss-link_4/27/2020
- April 28, 2020
 - USA-Today <https://www.facebook.com/usatoday/videos/2534170550183584/4/28/2020>
- April 29, 2020
 - AAP Society of hospital medicine <https://www.sohmlibrary.org/covid19-qa.html4/29/2020>
- April 30, 2020
 - Houston Chronicle (Lisa Gray https://www.houstonchronicle.com/life/article/How-do-we-go-back-out-in-the-world-Three-steps-15241291.php_4/30/2020
- May 4, 2020
 - Special Olympics https://drive.google.com/open?id=1v_DPtwDyavmpPaJ1ov_Z4cLvJHx_8ZCD5/4/2020
 - Lifehacker (Rachel Fairbank) https://vitals.lifehacker.com/when-will-it-be-safe-to-send-your-child-to-daycare-1843343985_5/4/2020
- May 7, 2020
 - The Ringer (Jacqueline Kantor) https://www.theringer.com/mlb/2020/5/29/21274257/kbo-return-south-korea-baseball-pandemic_5/7/2020
 - The Times (Sean Greory) https://time.com/5834096/youth-baseball-covid/_5/7/2020
- May 11, 2020
 - COVID Daily News https://omny.fm/shows/the-coronavirus-daily-podcast-the-most-important-n/what-we-ve-learned-about-the-coronavirus-w-dr-jill_5/11/2020
 - Houston Matters <https://podcasts.google.com/feed/aHR0cHM6Ly93d3cuaG91c3RvbnB1YmxpY211ZGllhLm9yZy9wb2RjYXN0cy9ob3VzdG9uLW1hdHRlcnMv/episode/aHR0cHM6Ly93d3cuaG91c3RvbnB1YmxpY211ZGllhLm9yZy9hcnRpY2xlcy9zaG93cy9ob3VzdG9uLW1h>

[dHRlcnMvMjAyMC8wNS8xMS8zNjkyOTQvc3BIY2lhbC1lZG10aW9uLWRyLXZpdmlhbi1oby1hbmQtZHI tamlsbC13ZWF0aGVyaGVhZC1tYXktMTEtMjAyMC8?hl=en&ved=2ahUKEwjqqcGoja_pAhUFoZ4KHRDpC7YQieUEegQIChAG&ep=6](https://www.fox26houston.com/video/687956)
[5/11/2020](https://www.fox26houston.com/video/687956)

- May 14, 2020
 - The Times (Sean Gregory) <https://time.com/5836077/baseball-covid-coronavirus/>
[5/12/2020](https://time.com/5836077/baseball-covid-coronavirus/)
 - Readers Digest (Karla Walsh) <https://www.rd.com/advice/times-you-have-to-wear-a-face-mask/> [5/14/2020](https://www.rd.com/advice/times-you-have-to-wear-a-face-mask/)
 - Health Magazine (Korin Miller) <https://www.health.com/condition/infectious-diseases/coronavirus/is-it-safe-to-rent-an-airbnb-right-now-vrbo-vacation-home>
[5/14/2020](https://www.health.com/condition/infectious-diseases/coronavirus/is-it-safe-to-rent-an-airbnb-right-now-vrbo-vacation-home)
 - Health Magazine (Korin Miller) <https://coronavirus.medium.com/if-you-have-to-travel-should-you-take-a-plane-or-car-110a007b7186> [5/14/2020](https://coronavirus.medium.com/if-you-have-to-travel-should-you-take-a-plane-or-car-110a007b7186)
- March 15, 2020
 - BCM <https://www.bcm.edu/news/infectious-diseases/travel-safely-during-summer-vacation-season> [5/15/2020](https://www.bcm.edu/news/infectious-diseases/travel-safely-during-summer-vacation-season)
- May 18, 2020
 - Houston Matters
<https://podcasts.google.com/feed/aHR0cHM6Ly93d3cuaG91c3RvbnB1Ym9yZy9wb2RjYXN0cy9ob3VzdG9uLW1hdHRlcnMv/episode/aHR0cHM6Ly93d3cuaG91c3RvbnB1Ym9yZy9wb2RjYXN0cy9ob3VzdG9uLW1hdHRlcnMvMjAyMC8wNS8xOC8zNjk3ODQvc3BIY2lhbC1lZG10aW9uLWRyLXZpdmlhbi1oby1hbmQtZHI tam> [5/18/2020](https://podcasts.google.com/feed/aHR0cHM6Ly93d3cuaG91c3RvbnB1Ym9yZy9wb2RjYXN0cy9ob3VzdG9uLW1hdHRlcnMv/episode/aHR0cHM6Ly93d3cuaG91c3RvbnB1Ym9yZy9wb2RjYXN0cy9ob3VzdG9uLW1hdHRlcnMvMjAyMC8wNS8xOC8zNjk3ODQvc3BIY2lhbC1lZG10aW9uLWRyLXZpdmlhbi1oby1hbmQtZHI tam)
- May 19, 2020
 - Elemental Magazine <https://elemental.medium.com/planes-trains-and-automobiles-how-to-travel-safely-during-covid-19-2eff9c681f6> [5/19/2020](https://elemental.medium.com/planes-trains-and-automobiles-how-to-travel-safely-during-covid-19-2eff9c681f6)
- May 21, 2020
 - NBC Sports https://mlb.nbcsports.com/2020/05/21/what-does-baseball-do-if-they-start-the-season-and-their-NBC-Sports-health-plan-fails/?fbclid=IwAR0o--p4svXk12aeSHFIijOBXYcfs4cy_44RTmhMpiYG5KFj1Kml--VJno [5/21/2020](https://mlb.nbcsports.com/2020/05/21/what-does-baseball-do-if-they-start-the-season-and-their-NBC-Sports-health-plan-fails/?fbclid=IwAR0o--p4svXk12aeSHFIijOBXYcfs4cy_44RTmhMpiYG5KFj1Kml--VJno)
 - NBC Sports <https://theathletic.com/1827299/2020/05/21/infections-are-going-to-happen-experts-talk-risks-reality-of-mlbs-protocols/> [5/21/2020](https://theathletic.com/1827299/2020/05/21/infections-are-going-to-happen-experts-talk-risks-reality-of-mlbs-protocols/)
- May 26, 2020
 - FOX26 <https://www.fox26houston.com/video/687956> [5/26/2020](https://www.fox26houston.com/video/687956)
- May 27, 2020
 - Houston Matters <https://www.houstonpublicmedia.org/articles/shows/houston-matters/2020/05/27/370642/special-edition-dr-jill-weatherhead-and-dr-dietrich-von-biedenfeld-may-27-2020/> [5/27/2020](https://www.houstonpublicmedia.org/articles/shows/houston-matters/2020/05/27/370642/special-edition-dr-jill-weatherhead-and-dr-dietrich-von-biedenfeld-may-27-2020/)
- May 29, 2020

- Motherly Magazine <https://www.mother.ly/child/coronavirus-whats-safe-this-summer/5/29/2020>
- June 1, 2020
 - NBC News (Nicole McCartney) <https://www.wsav.com/health/coronavirus-health/travel-in-the-age-of-covid-19/6/1/2020>
- June 10, 2020
 - The Score <https://www.thescore.com/nhl/news/1976690/health-matters-what-medical-experts-think-about-nhls-return-to-play-plan/6/10/2020>
- June 11, 2020
 - The Health Video YouTube: <https://www.youtube.com/watch?v=VA7bQp-1mHM/6/11/2020>
 - The Health Video Updated article video: <https://www.health.com/condition/infectious-diseases/coronavirus/is-it-safe-to-rent-an-airbnb-right-now-vrbo-vacation-home/6/11/2020>
 - The Health Video Facebook: <https://www.facebook.com/watch/?v=2758273837727135/6/11/2020>
- June 15, 2020
 - BCM <https://bcmfamily.bcm.edu/2020/06/02/health-hint-summer-travel-covid/6/15/2020>
- June 17, 2020
 - Houston Chronicle <https://www.houstonpress.com/news/texas-virus-experts-answer-face-mask-questions-11478241/6/17/2020>
- June 19, 2020
 - Washington Post <https://www.washingtonpost.com/sports/2020/06/19/testing-troubles-varying-policies-jeopardize-college-football-season-experts-say/6/19/2020>
- June 24, 2020
 - Community Impact <https://communityimpact.com/houston/cy-fair/coronavirus/2020/06/24/face-coverings-how-they-work-and-common-misconceptions/6/24/2020>
- June 27, 2020
 - The Athletic (Nicole Auerbach) <https://theathletic.com/1901856/2020/07/01/why-doesnt-a-nationwide-standard-for-safety-guidelines-testing-exist-in-cfb/6/27/2020>
 - The Athletic (Nicole Auerbach) <https://theathletic.com/1905507/2020/07/02/how-can-a-power-5-team-try-to-get-out-of-a-g5-fcs-matchup-during-a-pandemic/6/27/2020>
 - The Athletic (Nicole Auerbach) <https://theathletic.com/1910860/2020/07/06/college-football-helmets-face-shields-schutt-covid-19/6/27/2020>
 - NPR <https://www.npr.org/sections/goatsandsoda/2020/06/27/882866178/masks-and-the-outdoor-exerciser-advice-for-runners-bikers-walkers-hikers/6/27/2020>
- June 30, 2020
 - Houston Matters <https://www.houstonpublicmedia.org/articles/shows/houston-matters/2020/06/29/377082/special-edition-dr-jill-weatherhead-and-setracs-darrell-pile/6/30/2020>

- COVID-19 Literature Reviews. Department of Medicine, Baylor College of Medicine. <https://bcmfamily.bcm.edu/2020/04/09/covid-19-research-reviews/>. March 2020-current
- 40+ volume series of current COVID-19 related literature and news updates distributed to Baylor College of Medicine Department of Medicine, J Weatherhead, Faculty Advisor and Reviewer
- Texas Children’s Hospital Screening of Immigrants Clinical Guidelines. Weatherhead, Munoz, Dunn, Fredericks. April 2020.
- Clinical Guidelines for use by Texas Children’s Hospital faculty and staff

CENTERS

Vaccine Research Center at Baylor College of Medicine

The Vaccine Research Center promotes human health by developing effective methods for the treatment and prevention of infectious diseases through clinical and laboratory research and educational activities. This Center is focused on supporting existing vaccine and antimicrobial research programs that are ongoing at Baylor, including preclinical and clinical programs; supporting investigators/clinical collaborators who have expertise and capabilities for developing cutting edge programs in systems biology, immunogenetics, molecular virology and cellular immunology; expanding vaccine and antimicrobial development programs in both animal models and human volunteer research programs so that hypothesis-driven research can be initiated and supported; providing a critical mass in bioinformatics expertise for analyzing and providing statistical support for systems biology and immunogenetics research; and expanding and codifying an educational program designed to train the next generation of vaccinologists.

The Vaccine Research Center is home to one of nine NIH-sponsored Vaccine and Treatment Evaluation Units (VTEUs); one of five U.S. Influenza Vaccine Effectiveness Units (laboratory component); a U01 grant for evaluation of predictors of recurrent wheezing/asthma in infants; a site for screening and evaluation of antivirals and vaccines for prevention and treatment of paramyxovirus infections (such as respiratory syncytial virus) using in vitro and animal models. It has taken a leadership role in the US response to the novel coronavirus pandemic caused by the Severe Acute Respiratory Coronavirus-2 (SARS CoV-2). It is a site for the Adaptive COVID-19 Treatment Trial (ACTT) studies and for the phase 3 study of the efficacy of the Moderna mRNA-1273 Vaccine. Dr. Hana El Sahly, PI of the Vaccine Research Center, is Co-PI of the phase 3 study of the Moderna vaccine.

Infectious Diseases faculty who are members of the Vaccine Research Center include Drs. Hana El Sahly (PI), Robert Atmar, Wendy Keitel, and Jennifer Whitaker.

Center for Innovations in Quality, Effectiveness & Safety (IQuEST)

IQuEST, a combined Baylor and a VA Health Services Research & Development Center of Innovation, conducts high-quality scientific research that improves the health of patients across the nation, by helping to ensure the patient-centered delivery of scientific discoveries. The research extends from

patient experience, to clinical practice and outcomes of care, to the development of healthcare policy, and has been disseminated to key policy makers, healthcare administrative leaders, influential stakeholders, the mainstream media, as well as the best academic journals and professional scientific societies. IQuEST is focused on improving the health and well-being through:

- Innovation: To conduct research on healthcare delivery that impacts policy, practice and the health of patients and populations
- Implementation: To disseminate and implement these innovations in healthcare delivery
- Mentorship: To train and mentor researchers and leaders in healthcare delivery science.

Infectious Diseases faculty who are members of IQuEST include Drs. Monisha Arya, Elizabeth Chiao, Eva Clark, Bich Dang, and Thomas Giordano.

SECTION OF NEPHROLOGY



SECTION CHIEF

*Wolfgang Winkelmayer,
M.D., M.P.H., ScD*

The academic year 2019-2020 was a particularly exciting and successful one for the Section of Nephrology. Our world-class faculty have made outstanding contributions in research and scholarship, education, and clinical care. They have participated in numerous national and international activities and organizations. And our faculty has grown and now includes 34 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 2020. In addition, we have continued to provide top-quality specialized kidney healthcare to our patients at our clinical sites within the Texas Medical Center and beyond. Our faculty group practice continues to excel in patient satisfaction and productivity. Please enjoy and thank you for your interest.

A handwritten signature in black ink that reads "Wolfgang Winkelmayer". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

Wolfgang C. Winkelmayer, M.D., M.P.H., ScD
Chief, Section of Nephrology
Gordon A. Cain Chair in Nephrology

HIGHLIGHTS

- Recruited 5 new clinical faculty into the section (Drs. Ali, Alvarado, Awan, Holliday, Tucker)
- Several new research grants awarded or started, including 2 new/renewed R01 (Drs. Cheng, Winkelmayer), 1 K23 (Dr. Walther), 1 VA Merit (Dr. Navaneethan), 1 Baylor Medicine Clinical Scholarship Initiative Grant (Dr. Yan), and 1 ASN Research Fellowship Award (Dr. Holliday)
- More than 80 manuscripts published, many in top tier general medicine and subspecialty journals
- Dr. Murthy appointed Medical Director of Baylor St. Luke's Medical Center (BSLMC) Kidney Transplant Program
- Dr. Alvarado launched a new kidney health clinic at the Martin Luther King, Jr., Health Center of Harris Health
- Dr. Winkelmayer led a global effort toward changing the nomenclature of kidney health terminology, with identical editorials supporting this change in almost 30 general medicine and subspecialty journals.

FACULTY

Section Leadership

- Wolfgang C. Winkelmayr, M.D., Sc.D. Section Chief
- Elizabeth J. Fitzgerald, MPA Section Administrator

Clinical Leadership

- Horacio J. Adroque, M.D. (HMH)
- Venkat Ramanathan, M.D. (Michael E. DeBakey VA Medical Center [MEDVAMC])
- Sai K. Saridey, M.D. (TCH PfW)
- David Sheikh-Hamad, M.D. (Harris Health)
- Jingyin Yan, M.D., Ph.D. (Baylor Medicine and BSLMC)
- Bhamidipati V.R. Murthy, M.D. (BSLMC Kidney Transplant Medical Director)
- Nila Alvaro (BSLMC McNair Campus, Kidney Health Clinic Manager)

Clinical Fellowship Leadership

- Rajeev Raghavan, M.D. (Program Director)
- Maulin K. Shah, M.D. (Deputy Program Director)
- Linda Johnston (Program Coordinator)

Faculty

Primary

- Horacio J. Adroque, M.D.
- Aggarwal, Nidhi, M.D.
- Medha Airy, M.D.
- Sehrish Ali, D.O.
- Siloe M. Alvarado, M.D.
- Samaya J. Anumudu, M.D.
- Ahmed Arslan Yousuf Awan, M.D.
- Jizhong Cheng, M.D.
- Natasha N. Dave, M.D.
- George Dolson, M.D.
- Garabed Eknayan, M.D.
- Kevin F. Erickson, M.D.
- Michael W. Holliday, Jr., M.D., Ph.D.
- Zhaoyong Hu, M.D.
- Deborah P. Hyink, Ph.D.
- Paul Klotman, M.D.
- Qingtian Li, Ph.D.
- William E. Mitch, M.D.
- Sankar D. Navaneethan, M.D.
- Jingbo Niu, M.D.
- Jenny Szu-Chin Pan, M.D.
- Jose J. 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.
- Bryan M. Tucker, D.O.
- Chandan Vangala, M.D.
- Carl P. Walther, M.D.
- Jingyin Yan, M.D., Ph.D.
- Liping Zhang, Ph.D.

Adjunct

- 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.
- Sreedhar Mandayam, 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.

Distinguished Emeritus

- Garabed Eknayan, M.D.

HONORS AND ACHIEVEMENTS

Horacio Adroque, M.D.

- Faculty of the Year Award, Baylor College of Medicine (BCM), Section of Nephrology, 2020

Nidhi Aggarwal, M.D.

- Special Recognition, BCM, Section of Nephrology, 2020

Samaya Anumudu, M.D.

- Women of Excellence Award, BCM, 2020
- Scholarship recipient to 2020 RPA Leadership Workshop and Annual Meeting

Ahmed Awan, M.D.

- Power of Professionalism Award, BCM, 2020
- Junior Faculty of the Year Award, BCM, Section of Nephrology, 2020

Kevin Erickson, M.D.

- Selected Fellow of the American Society of Nephrology (FASN)

Sankar Navaneethan, M.D.

- Norton Rose Fulbright Faculty Excellence Award for Enduring Educational Materials, BCM, June 2019

Jenny Pan, M.D.

- Women of Excellence Award, BCM, 2020
- 3rd place – MEDVAMC Annual Research Poster Competition
- Oral Abstract Travel Award – 2020 Midwest Clinical and Translational Research Meeting

Jose Perez, M.D.

- Selected FASN

Rajeev Raghavan, M.D.

- Recipient, Norton Rose Fulbright Award for Educational Leadership July 2019

- Graduate, BCM Master Teacher Fellowship Program August 2019

Venkat Ramanathan, M.D.

- VA National Surgery Office's Transplant Surgical Advisory Board member: chosen as the Transplant Nephrologist to represent all VA transplant programs for 3 year term
- Chosen as the subject matter expert in Transplant Nephrology for the VA National Solid-Organ transplant workgroup working on the Electronic Health Record Modernization project for the entire VA system (Cerner Transition for VA nationwide)

Maulin Shah, M.D.

- Distinguished Educator Award, BCM, Section of Nephrology, 2020

David Sheikh-Hamad, M.D.

- Awarded medal for outstanding service by the departing CEO of Harris Health, Mr. George Masi.
- Subspecialty Teaching Award for Ben Taub, Resident's choice

Sandhya Thomas, M.D.

- Women of Excellence Award, BCM, 2019

Chandan Vangala, M.D.

- Distinguished Leadership Award, BCM, Section of Nephrology, 2020

Carl Walther, M.D.

- Selected FASN
- Named Top Graded Reviewer by the Annals of Internal Medicine

Jingyin Yan, M.D., Ph.D.

- Norton Rose Fulbright Faculty Excellence Award, Teaching and Evaluation, BCM, 2019
- Selected FASN
- Houstonia Magazine 2020 Top Doctor, Houstonia Magazine, 2020

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

Sehrish Ali, DO

- BCM Nephrology Division Wellness Faculty Chair (2019-current)
- Member, American Society of Nephrology
- Member, National Kidney Foundation
- Member, Women in Nephrology

Samaya Anumudu, M.D.

- Vice Chair. Renal Physicians Association Government Affairs Committee
- Medical Director. DaVita Home at the Museum. Houston, TX
- Junior Faculty Intern. American Society of Nephrology Policy and Advocacy Committee
- Standardized Outcomes in Nephrology Coordinating Committee member

- National Kidney Foundation Houston Professional Education Symposium Program Committee member
- Renal Physicians Association Education Committee member
- Nephrology Business Leadership Academic Faculty

Kevin Erickson, M.D.

- FASN, 2020-present
- Member, American Society of Nephrology Public Policy, Quality Committee

Paul Klotman, M.D.

- 98Point6 Medical Advisory Board
- Alkek Foundation Board
- American Securities Executive Council
- Association of American Medical Colleges Council of Deans
- Baylor St. Luke's Health Board
- CHI St. Luke's Health Board
- Greater Houston Health Connect Board
- Greater Houston Partnership Board
- Los Gatos Ltd. Advisory Board
- Texas Medical Center Board
- Tigris Financial Group Ltd. Chairman of the Advisory Board of and Senior Scientific Advisor

Sankar Navaneethan, M.D.

- Member, Scientific Advisory Board, National Kidney Foundation
- Member, American Heart Association EPI and Biostatistics Committee
- Executive Member, Global Renal Exercise Group
- Workgroup Member, Kidney Disease: Improving Global Outcomes (KDIGO) Management of Diabetes & CKD Guideline Committee

Jose. J Perez, M.D.

- FASN, 2020-present

Maulin Shah, M.D.

- Member, American Society of Nephrology

David Sheikh-Hamad, M.D.

- Member, Grant Review Committee, American Society of Nephrology
- Member, Southern Society for Clinical Investigation
- Member, Southern Salt and Water Kidney Club
- Member, ASBMP
- Member, American Association for the Advancement of Science

Sandhya Thomas, M.D.

- American Society of Nephrology, 2009-present
- FASN, 2015-present
- Gold Humanism Honor Society, 2007-present

Carl Walther, M.D.

- FASN, 2020-present

Wolfgang Winkelmayr, M.D., Sc.D.

- Co-Chair, KDIGO
- FASN

Jingyin Yan, M.D., Ph.D.

- FASN, 2020-present
- Board Member, Alliance of North American Chinese Physicians

Liping Zhang, Ph.D.

- Grant reviewer, 2020 American Diabetes Association Grant Review committee

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Ahmed Awan, M.D.

- Member, International Editorial Board, *Pakistan Journal of Kidney Disease*

Kevin Erickson, M.D.

- Associate Editor: *American Journal of Kidney Diseases*
- Associate Editor: *Clinical Journal of the American Society of Nephrology*
- Policy Forum Advisory Group Member: *American Journal of Kidney Diseases*
- Editorial Board: *Seminars in Dialysis* & Guest Editor of Special Policy Edition

Sankar Navaneethan, M.D.

- Associate Editor, NephSAP (*Nephrology - Self Assessment Program*)
- Associate Editor, *CardioRenal Medicine*
- Section Editor, *Current Opinion in Nephrology and Hypertension*
- Editorial Board, *Clinical Journal of the American Society of Nephrology*
- Editorial Board, *American Journal of Nephrology*

Paul Klotman, M.D.

- *Journal of Molecular Medicine*

William Mitch, M.D.

- *Kidney International*
- *Clinical and Experimental Nephrology*
- *Journal of Renal Nutrition*
- *Archives of Clinical Nephrology*

- *Journal of the American Society of Nephrology*

Jenny Pan, M.D.

- Editorial Board, *American Journal of Physiology – Renal Physiology*

Rajeev Raghavan, M.D.

- Section Editor, *Clinical Nephrology - Tubulointerstitial Nephritis*

David Sheikh-Hamad, M.D.

- Editorial Board, *American Journal of Physiology - Renal Physiology*

Wolfgang Winkelmayr, M.D., Sc.D.

- Associate Editor, *Journal of the American Medical Association*
- Editorial Board, *American Journal of Kidney Disease*
- Editorial Board, *American Journal of Nephrology*
- Editorial Board, *Clinical Journal of the American Society of Nephrology*
- Editorial Board, *Seminars in Dialysis*
- Policy Forum Advisory Group Member, *American Journal of Kidney Diseases*

Liping Zhang, Ph.D.

- Associate Editor, *Journal of Nephrology & Therapeutics*
- Editorial Board, *Austin Diabetes Research*

OTHER SIGNIFICANT ACCOMPLISHMENTS

Sehrish Ali, D.O.

- Quality Improvement Project- Improving Fellowship Paging System (In progress)
- Approved to initiate new renal clinic at the VA Women’s Center with focus on Veteran patients who identify as female (including transgender patients)

Siloe Alvarado, M.D.

- Inaugurated new kidney health clinic at Martin Luther King, Jr., Health Center of Harris Health

Samaya Anumudu, M.D.

- COVID-19-COS project Co-investigator
- Quality Improvement and Innovation Department of Medicine Committee member. BCM
- Fellowship Recruitment Committee member. BCM, Nephrology Section
- Peritoneal Dialysis Rotation Director. Nephrology Fellowship Program, BCM
- BCM, Section of Nephrology
- Health Policy Clinical Pathway Co-Mentor. Nephrology Fellowship Program, BCM
- Business of Nephrology Clinical Pathway Mentor. Nephrology Fellowship Program, BCM

Ahmed Awan, M.D.

- Board Certification in Nephrology

- Apheresis Physician's College at UCSD – Initiated the process of Nephrologists performed PLEX which was approved by pathology department and is awaiting implementation by Chief of Staff at BSLMC
- Started Baylor Nephrology Service at St. Luke's Sugar Land

Jizhong Cheng, M.D.

- Funded R01 from NIH NIDDK
- One paper accepted in Cardiovascular Research
- Submission of a new R01

Rajeev Raghavan, M.D.

- Elected to Faculty Senate, Department of Medicine, July 2019

Bryan Tucker, D.O.

- Adult Nephrology Consultant for the Undiagnosed Disease Network

Carl Walther, M.D.

- Invited participant in the KDIGO Controversies Conference on Optimal Anemia Management in CKD in Barcelona

RESEARCH ACTIVITIES

Grants

Ahmed Awan, M.D.

- H31612 - Intermittent fasting from dawn to sunset for prevention of metabolic syndrome-induced cancers
- 57978-I - Apoll long-term kidney transplantation outcomes (APOLLO – NIH)

Jizhong Cheng, M.D.

- Interplay between skeletal muscle catabolism and remodeling of arteriovenous fistulae via YAP1/TAZ signaling; NIH NIDDK (R01)

Kevin Erickson, M.D.

- Potential Cost Savings from More Widespread Use of Peritoneal Dialysis; Affordability Cures/Blue Cross Blue Shield

Paul Klotman, M.D.

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

Qingtian Li, Ph.D

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

William Mitch, M.D.

- Protein Metabolism in Experimental Uremia; NIH (R01)
- Mechanisms Underlying Atrial Fibrillation in Chronic Kidney Disease; NIH (R01)

Sankar Navaneethan, M.D.

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

Jenny Pan, M.D.

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

Rajeev Raghavan, M.D.

- Study of Sparsentan for patients with Primary Focal Segmental Glomerulosclerosis (DUPLEX); Retrophin

David Sheikh-Hamad, M.D.

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

Sandhya Thomas, M.D.

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

Carl Walther, M.D.

- Understanding Heart Failure Symptoms in CKD: Distinctive Trajectories, Sex Differences, Cardiorenal Phenotypes, and Prediction (NIH)
- The kidney in advanced heart failure and durable mechanical circulatory support: phenotypes, prediction, and pathophysiology. (NIH K23)

Wolfgang Winkelmayr, M.D., Sc.D.

- The Atrial Fibrillation - Factor Identification to Risk Modification Study in CKD/ESRD (NIH R01)
- QT Prolonging Medications and Sudden Cardiac Death among Individuals on Hemodialysis (NIH R01)
- United States Renal Data System Coordinating Center (NIH Contract)

Jingyin Yan, M.D., Ph.D.

- Comparative Outcomes of Kidney Stone Formers with End-Stage Renal Disease in the United States, Scholarly Time FTE allocation initiative from the Department of Internal Medicine (BCM)

Liping Zhang, Ph.D.

- Protein Metabolism in Experimental Uremia; NIH (R01)
- Mechanisms Underlying Atrial Fibrillation in Chronic Kidney Disease; NIH (R01)

Publications

- American Journal of Emergency Medicine (IF 1.911): 1
- American Journal of Kidney Diseases (IF 6.618): 11
- American Journal of Nephrology (IF 9.274): 3
- American Journal of Physiology-Renal Physiology (IF 3.180): 4

- American Journal of Transplantation (IF 7.338): 1
- Annals of Internal Medicine (IF 21.317): 1
- Antiviral Research (IF 4.101): 1
- Cardiorenal Medicine (IF 1.754): 1
- Cardiovascular Research (IF 8.168): 1
- Clinical Gastroenterology and Hepatology (IF 8.549): 1
- Clinical Journal of the American Society of Nephrology (IF 6.628): 8
- Clinical Kidney Journal (IF 3.388): 1
- Current Eye Research (IF 1.754): 1
- Current Opinion in Nephrology and Hypertension (IF 2.539): 1
- JAMA Network Open (IF 5.032): 1
- Journal of Cachexia, Sarcopenia and Muscle (IF 9.802): 1
- Journal of Clinical Nephrology and Therapeutics (IF N/A): 1
- Journal of Diabetes and Its Complications (IF 2.740): 1
- Journal of the American College of Cardiology (IF 20.589): 1
- Journal of the American Heart Association (IF 4.605): 1
- Journal of the American Society of Nephrology (IF 9.274): 4
- Kidney International Reports (IF 2.260): 4
- Kidney International (IF 8.945): 7
- Kidney Medicine (IF N/A): 3
- Kidney Research and Clinical Practice (IF 1.670): 1
- Nephrology Dialysis Transplantation (IF 4.53): 4
- Obesity Science and Practice (IF 3.969): 1
- Peritoneal Dialysis International (IF 1.768): 1
- PharmacoEconomics Open (IF 1.453): 1
- PLoS One (IF 2.740): 1
- Scientific Reports (IF 3.998): 3
- Seminars in Dialysis (IF 2.164): 4
- The American Journal of Physiology-Endocrinology and Metabolism (IF 3.780): 1
- The Journal of Clinical Investigation (IF 11.864): 1
- The New England Journal of Medicine (IF 74.699): 1
- Transplant International (IF 3.177): 1
- Transplantation (IF 4.743): 2

Books and Book Chapters

Awan A.A.Y., Anumudu S.J., Alghafir E.B., Navaneethan S.D.

- (2020) Integrative Approach in Chronic Kidney Disease. In: Uribarri J., Vassalotti J. (eds) *Nutrition, Fitness, and Mindfulness*. Nutrition and Health. Humana, Cham

Tucker BM.

- Glomerulonephritis (Chapter 95) In Leppert, B., & Kelly, C. R. (Eds.). (2020). *Netter's Integrated Review of Medicine: Pathogenesis to Treatment*. Elsevier Health Sciences

PRESS

Ahmed Awan, M.D.

- Mentioned in BCM newsletter for the Professionalism award and the story behind it

Kevin Erickson, M.D.

- Wrote policy Blogs for BCMs Center for Medical Ethics and Health Policy and Rice University's Baker Institute
- Quoted in an article by the American Society of Nephrology Online News entitled, “Baylor College of Medicine publicly endorses Medicare’s proposed rule on Organ Procurement Organizations (OPOs) Conditions for Coverage” Kidney News
- Interview given was featured in the December 2019 edition of the American Society of Nephrology's Kidney News entitled, "Dialysis Industry Consolidation Continues"

Venkat Ramanathan, M.D.

- Mentioned in the January 2020 Baylor College of Medicine Department of Medicine Newsletter (pages 4-5)

David Sheikh-Hamad, M.D.

- Interviewed by the Houston Chronicle about COVID and renal disease (aired on May 8)
- Press Release by BCM for the NEJM publication

SECTION OF PULMONARY, CRITICAL CARE AND SLEEP MEDICINE



SECTION CHIEF

Ivan O. Rosas, M.D.

It is my pleasure to provide the 2019-2020 Annual Summary Report for the Baylor College of Medicine Pulmonary, Critical Care and Sleep Medicine (PCCSM) Section. Our overall mission is to provide comprehensive, innovative and compassionate clinical care to a diverse patient population, to train outstanding clinicians in a rigorous academic environment that will equip them to become the next generation of academic leaders and to advance the field of Pulmonary, Critical Care and Sleep Medicine through cutting-edge translational research programs. Our core activities are outlined below:

Clinical

Our section faculty provides compassionate, comprehensive, clinical care to a diverse population in the Houston Metropolitan area through our three Baylor Medicine affiliates: Ben Taub Hospital, Baylor Saint Luke's Medical Center (BSLMC) and The Michael DeBakey Veterans Administration Medical Center. A focus on primary and secondary prevention, lung and sleep health and treatment of common pulmonary conditions is effectively delivered through general pulmonary clinics. Importantly, treatment of multiple complex lung disorders is provided through multi-disciplinary teams and delivered in subspecialty clinics and inpatient services. Inpatient services include the Medical Intensive Care Units (MICU) with greater than 100-bed capacity, Consult Service and Thoracic Interventional Program, and a Lung Transplant Program, which all together treat thousands of patients with complex disorders annually.

Education

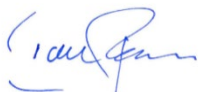
The size and depth of the section's education mission continues to grow and spans training of medical students, residents and fellows. Continued education of faculty and program graduates is considered a key component of the education mission. This year we have 30 fellows, including 18 traditional pulmonary and critical care medicine fellows, six critical care medicine fellows and six sleep medicine fellows. Research training is an integral part of our fellowships, trainees interested in pursuing a clinician scientist track are supported through multiple National Institutes of Health (NIH)-National Heart, Lung, and Blood Institute (NHLBI) T32 grants. All faculty participate in educational activities and a majority of them self-identify as educators; some of our faculty hold educational leadership positions and many participate in diverse educational programs across the college.

Research

Our section has a strong tradition of research excellence. This year our faculty published more than 100 peer-reviewed articles, a number were published in high impact journals (*JCI, Nature Communications, Science Advances and Science Translational Medicine*) and top-rated pulmonary

subspecialty journals (*AJRCCM, ERJ, Chest and AJRCMB*). Our established clinical and basic science researchers are supported by NIH, Department of Defense (DOD), and Veterans Affairs (VA) grants, three of our junior scientists are funded by NIH K-mentored grants and our section boasts a robust portfolio of clinical trials funded by government agencies and the pharmaceutical industry. Our research programs continue to expand supported by the newly developed Pulmonary Critical Care and Sleep Medicine Clinical Trials Unit and Registries.

In closing, it is important to acknowledge that the **COVID-19 Global Pandemic** has substantially increased demands for critical care services that has directly impacted our sections ability to address our clinical, educational and research missions. To date, our faculty has successfully treated hundreds of critically ill patients, while continuing to educate our trainees and further our research mission. I sincerely thank our faculty for their personal sacrifice and commitment to our core missions in these challenging times.



Ivan O. Rosas, M.D.

HIGHLIGHTS

- **COVID-19:** As a society and medical professionals we have been confronted with the most demanding medical crisis in the last 100 years. The section has demonstrated a level of commitment that challenges the magnitude of this crisis. In addition to treating hundreds of patients in the critical care and medical wards, we continue to provide state of the art ambulatory care through telemedicine, perform interventional pulmonary procedures for patients with suspected lung cancer, perform elective lung transplants and address patient needs with dedication and compassion. Despite the increased demands, our faculty remains committed to the education of trainees and meeting their research commitments.
- **Clinical:** Our clinical programs have expanded, in the outpatient setting we have developed the Advanced Lung Disease Program and recruited new faculty to lead key subspecialty programs. Through strategic partnerships with the Thoracic Surgery Department, we have invigorated the Baylor Lung Institute and outlined priorities for the development of innovative programs (i.e. Lung Cancer Screening Program) that will address local unmet clinical needs and increase collaborations with the Lung Cancer Center and others.
- **Education:** Our strong tradition of leadership in education has continued, our teaching curriculum for fellows is constantly being updated, several faculty received teaching awards and others have been promoted to leadership positions. We have further enhanced our efforts by successfully launching Pulmonary Grand Rounds in collaboration with the BSLMC Tom Solis Lecture, developed annual conferences that provide advances in Critical Care, Advanced Lung Disease and Lung Transplantation in collaboration with the Department of Surgery and BSLMC Critical Care programs. Additional post-graduate teaching activities including Board

Review Courses and Yearly Pulmonary, Critical Care and Sleep Medicine Updates are in preparation.

- **Research:** A strong emphasis has been placed on the growth of our clinical and translational research programs. We have recruited scientists in the area of lung injury, fibrosis and asthma. Active efforts to recruit faculty whose research focus on chronic obstructive pulmonary disease (COPD), Cystic Fibrosis, Pulmonary Hypertension and Transplant are ongoing. Substantial resources are being allocated to support our faculties interest in designing and participating in observational and interventional clinical trials. We have launched registries in critical care illness, asthma/COPD, lung transplantation and pulmonary fibrosis; the ultimate goal is to participate in NIH-/Pharma-funded studies and to provide access to cutting-edge treatments to patients affected with chronic lung diseases.
- **Recruitment/Faculty growth:** To address increased demands in critical care medicine and advanced lung disease (cystic fibrosis, pulmonary fibrosis, pulmonary hypertension, asthma/COPD), we have increased the size of our clinical faculty by 20%, the expansion of our clinical services will continue in 2020-2021. Together with growth in our research programs, we anticipate that our pulmonary section will compete with top ranked academic programs in the United States as a destination for cutting-edge clinical care, training and research.

FACULTY

Section Leadership

- David Muigai, M.D.
- Fidaa Shaib, M.D.
- Kalpalatha Guntupalli, M.D.
- Muhammad Asim Siddique, M.D.
- Prasad Manian, M.D.
- Puneet Garcha, M.D.
- Philip Alapat, M.D.
- Rolando Rumbaut, M.D., Ph.D.
- Venkata Bandi, M.D.

Research Faculty

- Mustafa Atik, M.D., Ph.D.
- Aladin Boriek, Ph.D.
- Lindsay Celada, Ph.D.
- Xiaoliang Liang, Ph.D.
- Freddy Romero, Ph.D.
- Konstantin Tsoyi, Ph.D.

Clinician Faculty

Ben Taub Hospital

- Kalpalatha Guntupalli, M.D.
- Philip Alapat, M.D.
- Elizabeth Guy, M.D.
- Nicola Hanania, M.D.
- Muhammad Hayat Syed, M.D.
- Narendra Dharani, M.D.
- Purvesh Patel, M.D.
- Pralay Sarkar, M.D.

Michael E. DeBakey VA Medical Center

- Venkata Bandi, M.D.
- Agrawal Ritwick, M.D.
- Uma Ayyala, M.D.
- Steve Bujarski, M.D.
- Christina Kao, M.D., Ph.D.
- Farrah Kheradmand, M.D.
- Charlie Lan, M.D.

- Donald Ray Lazarus, M.D.
- Shahram Moghtader, M.D.
- Lavannya Pandit, M.D.
- Rolando Rumbaut, M.D., Ph.D.
- Amir Sharafkhaneh, M.D., Ph.D.
- Supriya Singh, M.D.
- Kanta Velamuri, M.D.

Baylor Medicine

- Fidaa Shaib, M.D.
- Edward Hatrick, N.P.
- Ali Jiwani, M.D.
- Minkyung Kwon, M.D.
- Prasad Manian, M.D.
- Dipa Modi, M.D.
- Thomas Monaco, M.D.
- Sara Nowakowski, Ph.D.
- Ivan Rosas, M.D.
- Annise Wilson, M.D.
- David Wu, M.D.

Cystic Fibrosis

- Tara Barto, M.D.

HONORS AND ACHIEVEMENTS

Andrea Braun, M.D.

- Critical Care Faculty of the Year Award by Baylor College of Medicine Critical Care Fellowship

Christina Kao, M.D., Ph.D.

- Houstonia Magazine's Top Docs

Christopher Howard, M.D.

- Outstanding Pulmonary Critical Care Faculty

Dharani Narendra, M.D.

- Early Career Award for Excellence in Patient Care
- Teaching Faculty Award/Consult and Ambulatory

Donald Ray Lazarus, M.D.

- Outstanding Pulmonary/Critical Care Faculty from BCM Pulmonary/Critical Care Fellows 2019-2020

- Sunjay Devarajan, M.D.

Lung Transplant

- Puneet Garcha, M.D.
- Gloria Li, M.D.
- Amit Parulekar, M.D.
- Justin Segraves, M.D.

Baylor St. Luke's Medical Center MICU

- James Herlihy, M.D.
- Jairo Barrantes-Perez, M.D.
- Andrea Braun, M.D.
- Christopher Howard, M.D.
- Babith Mankidy, M.D.
- Christopher Morgan, M.D.
- Ali Omranian, M.D.
- Muhammad Asim Siddique, M.D.
- Sergio Trevino Castillo, M.D.

Pavilion for Women

- David Muigai, M.D.

- Baylor College of Medicine Early Career faculty award

Christopher Morgan, M.D.

- Pulmonary Critical Care Faculty of the Year

Fidaa Shaib, M.D.

- Scholarly Time FTE allocation: Improving Patient Access to Sleep Medicine through Telemedicine: A Feasibility Analysis
- Houstonia Magazine's Top Docs

Kalpalatha Guntupalli, M.D.

- COVID-19 hero award: Gold pin awarded by the General Medicine section of Ben Taub Hospital for contributions to the service during COVID-19 pandemic

Muhammad Siddique, M.D.

- Early Career Award for Excellence in Patient Care
- Scholarly Time FTE allocation: Improving Patient Access to Sleep Medicine through Telemedicine: A Feasibility Analysis
- Houstonia Magazine's Top Docs

Manian Prasad, M.D.

- "That's the Way Award" that recognizes "dedication and exceptional service to our patients" - Baylor College of Medicine, Jan 2020
- "Master Clinician Award," Baylor College of Medicine, 2020

Nicola Hanania, M.D.

- Outstanding Faculty of the Year, Section of Pulmonary and Critical Care, Baylor College of Medicine 2019-2020
- Distinguished CHEST Educator 2019, American College of Chest Physicians

Philip Alapat, M.D.

- Houstonia Magazine's Top Docs

Ritwick Agrawal, M.D.

- Outstanding Sleep Medicine Faculty Award 2019-2020

Sara Nowakowski, Ph.D.

- Early Career Distinguished Achievement Award, Society Behavioral Sleep Medicine
- Sleep Infographic Contest Winner, Sleep Research Society
- Board of Behavioral Sleep Medicine Diplomate in Behavioral Sleep Medicine

Stephen Bujarski, M.D.

- Early Career Award for Excellence in Patient Care

Tara Barto and Puneet Garcha, M.D.

- Membership into the Cystic Fibrosis (CF) Lung Transplant Transition Learning and Leadership Collaborative 3 (CFC LTT LLC3) Program

Uma Ayyala, M.D.

- Graduating Class Outstanding Faculty Award

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

Donald Ray Lazarus, M.D.

- American College of Physicians (ACP)
- ACCP
- ATS
- AABIP (nominations committee)

Justin Segraves, M.D.

- AOA, GHHS, ACP, CHEST, ATS, SCCM, AST, ISHLT

Kalpalatha Guntupalli, M.D.

- Webinar Committee Member
- American Association of Physicians of Indian Origin 2020

Lavannya Pandit, M.D.

- Texas State Task Force on Maternal Morbidity and Mortality, Appointed 2018 – 2023
- ACCP Women's Health Network Steering Committee 2019-2021
- NIH/NHLBI Respiratory & Integrative Biology Study Section, Early Career Reviewer 2019

Nicola Hanania, M.D.

- Member, Program Committee, CP Assembly, ATS
- Member Education Committee, CHEST
- Member, EAACI Guidelines on Biologics in Severe Asthma

Ritwick Agrawal, M.D.

- Member, Sleep Medicine Network Steering Committee, American College of Chest Physicians

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Donald Ray Lazarus, M.D.

- *Journal of Bronchology and Interventional Pulmonology*
- *American Journal of Respiratory and Critical Care Medicine/Blue Journal*
- *BMC Pulmonary Medicine*
- *Springer Nature Scientific Reports*
- *Turkish Thoracic Journal*
- *Respiratory Medicine*

Kalpalatha Guntupalli, M.D.

- *Indian Journal of Respiratory Care*
- *Indian Journal of Chest Diseases*

Nicola Hanania, M.D.

- Associate Editor, *LUNG*
- Associate Editor, *Current Opinion Pulmonary Medicine*
- Deputy Editor, *Respiratory Medicine*
- Editorial Board, *COPD* (J COPD Foundation)
- Editorial Board, *CHEST*
- Editor, Asthma Section, *Current Opinion Pulmonary Medicine*
- Associate Editor, *Shanghai Chest Hospital Journal*

Puneet Garcha, M.D.

- Editorial board, *The Journal of Heart & Lung Transplantation*

Sara Nowakowski, Ph.D.

- Associate Editor, *SLEEP Advances*

OTHER SIGNIFICANT ACCOMPLISHMENTS

- Drs. Kalpalatha Guntupalli and Pat Herlihy were co-course directors for the First Annual Advances in Critical Care Conference, which was organized by the Department of Surgery and held Sept. 13-14 at Intercontinental Hotel. Also lecturing at the conference were Drs. Christopher Howard, Christopher Morgan, Sergio Trevino Castillo, Christina Kao, and Babith Mankidy.
- Several faculty from the Section of Pulmonary, Critical Care and Sleep Medicine attended the CHEST Annual Meeting 2019, held Oct. 19-23 in New Orleans:
 - Dr. Donald Ray Lazarus was an instructor at the ACCP Fellows' Course on Oct. 19 on tunneled indwelling pleural catheters (see photo).
 - Dr. Babith Mankidy gave a presentation: Use of an Innovative Clinical Decision Support System to Reduce Cardiac Arrest Rates via Early Detection of Decompensation in Patients in Emergency Department and Ward
 - Dr. Ali Jiwani was chair of the session Excessive Dynamic Airway Collapse: An Introduction
 - Dr. Ritwick Agrawal gave two presentations: Personalized Sleep Apnea Therapy and Adherence: Problem based learning session, and Sleep Apnea-Induced Pulmonary Hypertension: It's Nothing to Snore About
 - Dr. Nicola Hanania was chair of/speaker at several satellite symposiums and lectures and had several posters/abstracts presentations throughout the week
 - Dr. Farrah Kheradmand gave a plenary talk on Oct. 20: Impact of e-cigarette use on pulmonary lipid homeostasis and innate immunity.

- Dr. Nicola Hanania was an invited speaker at the GOLD COPD Annual Meeting, hosted by Temple University Nov. 5 in Philadelphia. His talk was “Anxiety, Depression and Fatigue in COPD: Impact and Treatment.”
- Dr. Nicola Hanania was an invited virtual lecturer for the following:
 - Grand Rounds, “Real World Strategies to Improve Asthma Management,” Mercer University School of Medicine, July 29
 - COPD Educator Course, American Lung Association, “Confronting COPD in 2020,” July 29
- Dr. Christopher Howard presented the rollout of a new BSLMC initiative regarding helmet-based noninvasive ventilation to more than 150 national clinical leaders of the CommonSpirit hospital system. The BSLMC initiative serves as the template for the nationwide rollout of helmet-based ventilation for CommonSpirit.
- Dr. Christopher Howard participated on an expert panel for a virtual webinar of ~500 participants hosted by the Society of Critical Care Medicine related to covid-19 and management of acute hypoxemic respiratory failure.
- Dr. Amir Sharafkhaneh was a faculty panelist on the HIGH PERFORMANCE BRAIN. This was an international webinar discussing the effect of health sleep on brain performance.

RESEARCH ACTIVITIES

Grants

Aladin Boriek, Ph.D

- **Grant Title:** RPPR (MPI): Short Term Training to Increase Diversity – HL108853
Funding Agency: National Heart, Lung and Blood Institute (NHLBI)
Role: Principal Investigator
- **Grant Title:** NCE: Exploratory Role of the Cytoskeleton in Anisotropic Regulation of MicroRNAs in Skeletal Muscles – 1714478
Funding Agency: National Science Foundation (NSF)
Role: Principal Investigator
- **Grant Title:** Exploratory Role of the Cytoskeleton in Anisotropic Regulation of MicroRNAs in Skeletal Muscles – 1714478
Funding Agency: National Science Foundation (NSF)
Role: Principal Investigator

Kalpalatha Guntupalli, M.D.

- **Grant Title:** Idiopathic Pulmonary Fibrosis Prospective Outcomes Registry (IPF-PRO) and Chronic Fibrosing Interstitial Lung Disease with Progressive Phenotype Prospective Outcomes (ILD-PRO) Registry
Funding Agency: Boehringer Ingelheim Ltd
Role: Site-Principal Investigator

- **Grant Title:** Idiopathic Pulmonary Fibrosis (IPF) Prospective Outcomes Registry (IPF-PRO, ILD-PRO)
Funding Agency: Duke University
Role: Site Principal Investigator
- **Grant Title:** Functional roles of Nrf2 and NQO1 genetic variants in hyperoxic lung injury-ARDS
Funding Agency: NIH
Role: Co-Investigator

Nicola Hanania, M.D.

- **Grant Title:** Airways Clinical Research Centers (ACRC)
Funding Agency: American Lung Association
Role: Principal Investigator
- **Grant Title:** Project Extension (NCE)- Losartan Effects on Emphysema Progression Trial (LEEP) Trial
Funding Agency: American Lung Association
Role: Principal Investigator
- **Grant Title:** The Genetics Epidemiology of COPD – 2U01-HL089897
Funding Agency: NIH
Role: Principal Investigator
- **Grant Title:** Network Management Core (NEMO) for the Pulmonary Trials Cooperative (PTC) (RETHINC) – 5U01-HL128954-04
Funding Agency: NHLBI
Role: Principal Investigator
- **Grant Title:** Network Management Core (NEMO) for the Pulmonary Trials Cooperative (PTC)/ Insight: Pulmonary Trials Cooperative (PTC) Intervention Study in Overweight Patient with COPD (Insight COPD) Trial – HL128954
Funding Agency: NHLBI
Role: Principal Investigator
- **Grant Title:** A Phase 2B, Randomized, Double-blind, Placebo-controlled, Dose-ranging, Multi-center Study to Evaluate the Efficacy and Safety of GB001 as Maintenance Therapy in Adult Subjects with Moderate to Severe Asthma
Funding Agency: Gossamer Bio
Role: Site-Principal Investigator
- **Grant Title:** A Randomized, Double-blind, Placebo-controlled, Parallel-group, 52-Week Pivotal Study to Assess the Efficacy, Safety, and Tolerability of Dupilumab in Patients with Moderate-to-Severe Chronic Obstructive Pulmonary Disease (COPD) with Type 2 Inflammation
Funding Agency: Sanofi U.S.
Role: Site-Principal Investigator

- **Grant Title:** A 24-Week Multi-center, Double-blind, Placebo Controlled Dose-range Finding Study to Investigate the Efficacy and Safety of Oral QBW251 in COPD Patients on Triple Inhaled Therapy (LABA/LAMA/ICS)
Funding Agency: Novartis Pharmaceuticals Corp
Role: Site-Principal Investigator
- **Grant Title:** A Phase IIA, Multicenter, Randomized, Placebo-controlled, Double-blind Study to Evaluate the Efficacy, Safety, and Pharmacokinetics of MTPS9579A in Patients with Asthma Requiring Inhaled Corticosteroids and a Second Controller
Funding Agency: Genentech, Inc.
Role: Site-Principal Investigator
- **Grant Title:** Asthma BMI Baseline Study (ABBS) Under Master ACRC Network (47412-N2)
Funding Agency: American Lung Association
Role: Principal Investigator
- **Grant Title:** Observational Study in Healthy Subjects and Patients with COPD to Assess the Relationship Between Clinical, Imaging and Biomarker Measurements, and Progression of Emphysema Over Three Years [Footprints]. (Emphysema Progression Biomarker Study)
Funding Agency: Boehringer Ingelheim Pharmaceutical,
Role: Principal Investigator

Farrah Kheradmand, M.D.

- **Grant Title:** Enhancement of Immune Memory Responses to Respiratory Infection - PR140593P1
Funding Agency: Department of Defense Congressionally Directed Medical Research Programs
Role: Principal Investigator
- **Grant Title:** Toxic Effects of E-Cigs Following Transition from Conventional Cigarettes – 5R01-ES029442-02
Funding Agency: NIH
Role: Principal Investigator
- **Grant Title:** Fungal Pathogenesis of Moderate to Severe Asthma – R01A1135803-01
Funding Agency: NIH
Role: Co-Principal Investigator
- **Grant Title:** Mechanism and Function of Let-7, a Novel Modulator of Th17-Dependent Emphysema – R01HL140398-01
Funding Agency: NIH
Role: Co-Principal Investigator
- **Grant Title:** Mariposa: Roche-Genentech - CA42481
Funding Agency: Multicenter Cooperative Trial with Veteran Affairs Medical Center
Role: Principal Investigator - Kheradmand

- **Grant Title:** Innate and Acquired Immune Responses in Human COPD
Funding Agency: Clinical Science Research & Development Merit Review
Role: Principal Investigator
- **Grant Title:** CMA: Pulmonary and Systemic Effects of Deployment Related Particulate Matter Exposures
Funding Agency: Clinical Science Research & Development Merit Review
Role: Co-Principal Investigator

Sara Nowakowski, Ph.D.

- **Grant Title:** Effectiveness of Healthy Sleep Habits for Hospitalized Older Adults to Optimize Rehabilitation – R01NR018342
Funding Agency: NIH – National Institute of Nursing Research Grant
Role: Principal Investigator
- **Grant Title:** Effectiveness of Healthy Sleep Habits for Hospitalized Older Adults to Optimize Rehabilitation
Funding Agency: NIH - National Institute of Aging
Role: Principal Investigator

Lavannya Pandit, M.D.

- **Grant Title:** G6PD Deficiency Predicts Outcomes from COVID-19 Infection amongst Veterans at Highest Risk for Severity of Illness
Funding Agency: Department of Veterans Affairs
Role: Principal Investigator
- **Grant Title:** Neutrophil Exosomes: New Pathogenic Entities in COPD
Funding Agency: Department of Veterans Affairs (Gaggar)
Role: Co-Principal Investigator
- **Grant Title:** EMPACTA: Genentech - ML42528
Funding Agency: Multicenter Cooperative Trial with Veterans Affairs Medical Center
Role: Co-Principal Investigator (Principal Investigator: Trautner)
- **Grant Title:** Mariposa: Roche-Genentech - CA42481
Funding Agency: Multicenter Cooperative Trial with Veteran Affairs Medical Center
Role: Co-Principal Investigator (Principal Investigator - Kheradmand)

Freddy Romero, Ph.D.

- **Grant Title:** Proteasome Degradation of p53 Drives HPS Lung Fibrosis - 1R01HL136833-01A1
Funding Agency: NHLBI, NIH
Role: Principal Investigator

Ivan Rosas, M.D.

- **Grant Title:** Normal Aging Lung Cell Atlas (NALCA) – U01HL145567
Funding Agency: NIH
Role: Co-Investigator

- **Grant Title:** Epithelial Protective Effects of Thyroid Hormone Signaling in Fibrosis – R01HL141852
Funding Agency: NIH
Role: Co-Investigator
- **Grant Title:** Autoantibody- Targeted Therapy for Acute Exacerbations of Idiopathic Pulmonary Fibrosis – U01HL133232
Funding Agency: NIH
Role: Multi Principal Investigator
- **Grant Title:** Research Training in Lung Disease – T32HL00747-24
Funding Agency: NHLBI
Role: Principal Investigator
- **Grant Title:** A Randomized Double-blind, Placebo-controlled Multicenter Study to Evaluate the Safety and Efficacy of Tocilizumab in Patients with Severe COVID-19 Pneumonia (COVACTA)
Funding Agency: Hoffmann La Roche, Inc.
Role: Site-Principal Investigator
- **Grant Title:** A Randomized, Double-blind, Placebo-controlled Phase 2 Study of Safety, Tolerability and Efficacy of Pirfenidone in Patients with Rheumatoid Arthritis Interstitial Lung Disease
Funding Agency: Genentech, Inc.
Role: Overall Principal Investigator
- **Grant Title:** A Phase III, Randomized, Double-blind, Multicenter Study to Evaluate the Efficacy and Safety of Remdesivir Plus Tocilizumab Compared with Remdesivir Plus Placebo in Hospitalized Patients with Severe COVID-19 Pneumonia
Funding Agency: F. Hoffmann-La Roche Ltd
Role: Site-Principal Investigator
- **Grant Title:** Clinical Genetics and Screening for Pulmonary Fibrosis – R01HL130974
Funding Agency: NHLBI
Role: Co-Principal Investigator
- **Grant Title:** Molecular Profiles of Smokers with Subclinical Interstitial Lung Disease – PR171782
Funding Agency: Department of Defense
Role: Principal Investigator

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

- **Grant Title:** Collaborative Research Training in Thrombosis and Inflammation – T32HL139425
Funding Agency: NHLBI
Role: Principal Investigator
- **Grant Title:** Ocular Surface Injury: Inflammatory Cascade and Healing of Corneal Wounds – 5R01-EY018239-10

Funding Agency: NIH
Role: Principal Investigator

Konstantin Tsoyi, Ph.D.

- **Grant Title:** Antifibrotic Effects of Syndecan-2 and CD148 in Rheumatoid Arthritis Interstitial Lung Disease – AR074558
- **Funding Agency:** NIH
- **Role:** Principal Investigator

Publications

- Advances in Therapy (IF **3.871**): 1
- Allergy (IF **8.706**): 4
- American Association for the Advancement of Science (IF **41.845**): 1
- American Journal of Kidney Diseases (IF **6.618**): 1
- American Journal of Respiratory Cell and Molecular Biology (IF **5.373**): 4
- American Journal of Respiratory and Critical Care Medicine (IF **17.452**): 10
- American Journal of Translational Research (IF **3.375**): 1
- American Society of Transplantation (IF **7.163**): 1
- Annals of Allergy, Asthma & Immunology (IF **4.969**): 2
- Annals of the American Thoracic Society (IF **4.836**): 1
- Arthritis Rheumatoid (IF **9.586**): 2
- Asthma (IF **1.899**): 1
- Blood Advances (IF **N/A**): 1
- British Psychological Society (IF **N/A**): 1
- Canadian Journal of Respiratory Therapy (IF **0.52**): 4
- Cardiac Failure Review (IF **N/A**): 4
- Chest (IF **9.657**): 12
- Contemporary Clinical Trials (IF **1.832**): 1
- Critical Care Medicine (IF **7.414**): 1
- Current Opinion in Allergy and Clinical Immunology (IF **3.246**): 1
- Current Opinion in Psychology (IF **3.430**): 1
- Current Opinion in Pulmonary Medicine (IF **2.541**): 1
- European Journal of Radiology (IF **3.110**): 11
- European Respiratory Journal (IF **12.339**): 1
- European Society of Emergency Nurses (IF **2.170**): 1
- Federal Practitioner Journal (IF **0.37**): 2
- Frontiers in Oncology (IF **4.250**): 2
- Intensive Care Medicine (IF **17.679**): 1
- International Journal of Molecular Sciences (IF **4.556**): 1
- Indoor Air (IF **4.920**): 1
- Journal for Healthcare Quality (IF **7.226**): 3
- Journal of Allergy and Clinical Immunology (IF **10.228**): 1
- The Journal of Bronchology and Interventional Pulmonology (IF **1.370**): 1
- Journal of Chronic Obstructive Pulmonary Disease (IF **2.500**): 4
- Journal of Clinical Investigation (IF **11.864**): 2
- Journal of Clinical Laboratory Analysis (IF **1.54**): 1
- Journal of Clinical Sleep Medicine (IF **3.586**): 3
- Journal of Fungi (IF **4.621**): 1

- Journal of Immunology (IF **4.886**): 1
- Journal of Neuropsychiatry and Clinical Neurosciences (IF **2.192**): 1
- Journal of Thoracic Disease (IF **2.365**): 9
- Laryngoscope Investigative Otolaryngology (IF **N/A**): 1
- Lung (IF **1.817**) : 1
- Menopause (IF **2.942**): 1
- Nature Communications (IF **12.121**): 2
- Pulmonary Therapy (IF **2.937**): 2
- Respiratory Medicine Case Reports (IF **0.052**): 1
- Sci (IF **N/A**): 1
- Science Translational Medicine (IF **16.304**): 1
- Scientific Reports (IF **3.998**): 1
- Seminars in Immunology (IF **7.120**): 2
- Sensors (IF **3.275**): 1
- Sleep Medicine Clinics (IF **N/A**): 1
- Society of Behavioral Sleep Medicine (IF **3.171**): 2
- Stem Cells and Development (IF **3.082**): 1
- Therapeutic Advances in Chronic Disease (IF **4.79**): 1
- Respiratory Medicine (IF **3.095**): 1
- World Allergy Organization Journal (IF **3.506**): 1
- World Journal of Otorhinolaryngology – Head and Neck Surgery (IF **N/A**): 1

Books and Book Chapters:

Philip Alapat, M.D.

- Manjunath Krupa, Alapat Philip. “Sleep and Dementia.” in *Dementia and Chronic Disease: Management of Comorbid Medical Conditions*. Ed. Catic, Angela. Springer. 2020

Kalpalatha Guntupalli, M.D.

- Massive hemoptysis Review – Aniket Rali, K.Guntupalli – in *Textbook of Emergency Medicine* – Editor Nadagouda Dec 2019
- *Pneumothorax, A Review* – Ahmed Salem, Asim Siddique, Aneesa Bibi, K.Guntupalli – Editor Nadagouda Dec 2019
- Acute severe asthma – Krishi Nunna, Dharani Narendra, K. Guntupalli in *Textbook of Emergency Medicine*
- OPD exacerbation – Orlando Garner, Dharani Narendra, K.Guntupalli love in *Textbook of Emergency Medicine* – Editor Nadagouda Dec 2019

Nicola Hanania, M.D.

- Hanania N.A., Stern J., Looney R.J. Practical Considerations in Management of Allergic Asthma. In: Khurana S., Holguin F. (eds) *Difficult To Treat Asthma*. Respiratory Medicine. Humana, Cham, 2020

Donald Ray Lazarus, M.D.

- Lazarus DR and Eapen GA. “Management of Tracheobronchial Diseases in Critically Ill Cancer Patients.” In: Nates JL and Price KJ eds. *Oncologic Critical Care*. Basel, Switzerland: Springer Nature; 2020

Prasad Manian, M.D.

- Manian P. Lung Infections: An Overview | *Sugarbaker's Adult Chest Surgery, 3e, 2020* | AccessSurgery | McGraw-Hill Medical

Dharani Narendra, M.D.

- Narendra D.K., Cheema A., Hanania N.A. Novel and Alternative Therapies for Asthma in Older Adults. In: Epstein T., Nyenhuis S. (eds) *Treatment of Asthma in Older Adults*. Springer, Cham, 2019

Sara Nowakowski, Ph.D.

- Mundt, J.M., Nowakowski, S., Ong, J.C. (2020). Insomnia evaluation and therapeutic modalities. In: H. Attarian & M. Viola-Saltzman (Eds.), *Sleep Disorders in Women: A Guide to Practical Management, 3rd Edition* (pp. 141-157). Current Clinical Neurology. Switzerland AG: Springer Nature, Humana Press
- Meers, J.M., Stout-Aguilar, J.S., & Nowakowski, S. (2019). Sex differences in sleep health. In: M. Grandner (Ed.), *Sleep and Health*, Academic Press (Elsevier)

Justin Segraves, M.D.

- Segraves JM, Bandi V, Lazarus DR. Chapter 10: Closed pleural biopsy and pleuroscopy. In: Khosla R, ed. *Pleural Effusions: Causes, Types and Treatments*. New York: Nova Science Publishers, Inc.; 2019: 187-199

PRESS

Farrah Kheradmand, M.D.

- Interviewed for Sept. 16 article for CBS Evening News: “New study explores the effects of vaping.” She also was interviewed for a Sept. 13 article for CBS News titled “New research offers clues to the effects of vaping,” a Sept. 13 article in Medical News Today titled “E-cigarette vapors, even without nicotine, may harm lungs,” and a Sept. 16 article in Townhall titled “What’s all the fuss over vaping?”
- Interviewed for a Sept. 18 article in Industry News Coverage titled “Vaping harms the lungs even without nicotine, research shows.” The topic also was covered in a Sept. 9 article in KRWG Public Media titled “New study reveals how vaping hampers the body’s infection-fighting ability”
- Interviewed for a Sept. 25 article in Bloomberg titled “Early signs of vaping health risks were missed or ignored.” She also was quoted for a Sept. 25 article in GK Men titled “Second vaping-related death in Kansas brings nationwide total to nine”
- Interviewed for a Nov. 26 article in Science Magazine titled “How safe is vaping? New human studies assess chronic harm to heart and lungs”
- Interviewed for a May 27 article on *Proto* titled “The case against Vapic.” She was also interviewed for a June 2 newscast on *Wink News* titled “Charlotte teen speaks out after nearly dying from vaping”

Ivan Rosas, M.D.

- Interviewed for an April 30 newscast on KRIV Fox 26 titled “Clinical trial for treatment of patients with severe COVID-19 pneumonia.” The topic also was covered in an April 28 article in Community Impact Newspaper titled “Baylor College of Medicine a research site for clinical trial targeting COVID pneumonia” and an April 28 article in BCM News titled “Clinical trial evaluates Tocilizumab for COVID-19 pneumonia.” He also was interviewed for an April 30 article in Innovation Map titled “These 5 Houston-area research institutions have bright minds at work to battle COVID-19”

Jairo Barrantes-Perez, M.D.

- Interviewed for an Oct. 29 story on Telemundo regarding sleep deprivation and stress management around staying up late for the recent World Series
- Interviewed for a July 21 article in the New York Times called “In Harm’s Way: Fighting the summer surge”

Kanta Velamuri, M.D.

- Interviewed for a May 5 edition of BCM Momentum titled “Healthy Habits: Core exercises, whole grain substitutions help Dr. Kanta Velamuri stay on track”
- Interviewed for a May 15 article in BCM News titled “COVID-19 and women’s health: How to get better sleep during the pandemic”

Kalpalatha Guntupalli, M.D.

- Participated in a COVID – 19 – ICU management – Global seminar on COVID for physicians (3000 attendees) organized by SSIO April 8th, 2020
- COVID – 19 – Do’s and don’t’s for the family and friends of COVID – 19 patients Global; seminar organized by SSIO April 19th, 2020

Muhammad Siddique, M.D.

- Interviewed for an April 23 article in The Score Daily titled “Muhammad Siddique, M.D., a pulmonologist with Baylor College of Medicine”

Nicola Hanania, M.D.

- Interviewed for a Nov. 4 story on KRIV Fox 26 News about Lung Cancer Awareness Month. He also was interviewed for an Oct. 28 article in CHEST Physician titled “Omalizumab results for asthma varied with fixed airflow obstruction, reversibility”
- Interviewed for a Nov. 5 article in Healio titled “Dupilumab reduces severe asthma exacerbations regardless of early improvements in lung function.” The topic also was covered in an Oct. 30 article in Healio titled “Dupilumab benefit persists regardless of age at asthma onset,” an Oct. 28 article in CHEST Physician titled “Omalizumab results for asthma varied with fixed airflow obstruction, reversibility,” and a Nov. 10 article in Medical Dialogues titled “Dupilumab reduces exacerbation in both early and late onset asthma”
- Interviewed for a Jan. 13 article in BCM News titled “Give up smoking and vaping in the new year”

- Interviewed for an Aug. 4 article in Defender titled “Harris Health System’s COVID-19 research contributes to worldwide advances”

Patrick Herlihy, M.D.

- Interviewed on July 2 in the Washington Post titled “As coronavirus cases skyrocket across Texas, hospitals grapple with patient influxes”
- Interviewed for a July 29 article in The Washington Post titled “Young people are infecting older family members in shared homes”

Philip Alapat, M.D.

- Interviewed for an Oct. 15 article in Newsmax Health titled “Dangerous side effects of allergy medications”
- Interviewed for a March 5 article in BCM News titled “How to prepare for Daylight Saving Time”

Ritwick Agrawal, M.D.

- Interviewed for an Oct. 25 article on KTRH Radio News titled “Pop a pill and get smarter!”
- Interviewed for an Oct. 28 article in BCM News titled “Don’t let the Astros keep you from good night’s sleep”
- Interviewed for a Nov. 15 article in SFGate titled “World Series keep you from a good night’s sleep?”

Sara Nowakowski, Ph.D.

- Interviewed for a March 29 article in The Snooze Button titled “Odd bedfellows: Sleep and “menopause with Dr. Sara Nowakowski”

Sunjay Devarajan, M.D.

- Interviewed for a Jan. 13 article in BCM Momentum titled “Healthy Habits: Interval training, portion control key for Dr. Sunjay Devarajan”

Tara Barto, M.D.

- Interviewed for an Oct. 23 article in MedPage Today titled “Oscillating vest keeps COPD patients out of hospital”

EDUCATIONAL ACTIVITIES

Pulmonary and Critical Care Fellowship (3-year combined program): ACGME approved

- Program Director: Phil Alapat M.D.
- Associate Program Directors: Christopher Morgan M.D., Stephen Bujarski M.D.

Critical Care Fellowship (1-2 years): ACGME approved

- Program Director: Kalpalatha Guntupalli M.D.
- Associate Program Directors: Dharani Narendra, M.B., B.S., Andrea Braun, M.D.

Sleep Fellowship: ACGME approved

- Program Director: Phil Alapat M.D.
- Associate Program Director: Supriya Singh, M.D., Ameer Revana D.O.

National Institutes of Health T-32 Training Grant on Lung Diseases:

- Program Director: Ivan O. Rosas, M.D.
- Positions: 5
- Status: Active

2019 – 2020 Fellowship Graduates

Critical Care Medicine

- Goutham Gudavalli, M.B., B.S.
- Praveen Datar, M.B., B.S.
- Aniket Rali, M.D.

Pulmonary and Critical Care

- Sara Assaf, M.D.
- Ali Cheema, M.D.
- Jose Cuevas, M.D.
- Megan Hughes, M.D.
- Justin Segraves, M.D.

Sleep Medicine

- Aristotle Asis, M.D.
- Maria Isabel Macias, M.D.
- Elizabeth C. Hernandez, M.D.
- Sumith Madhavarapu, D.O.
- Zara Martirosyan, M.D.

SECTION OF TRANSITION MEDICINE



SECTION CHIEF

Cynthia Peacock, M.D.

2020 was not a typical year for the Section of Transition Medicine, marked with the unprecedented COVID-19 pandemic. Despite the continued pandemic, one thing has proven true with our team: our continued focus on providing the best in patient care for those who our clinic serves. During those first weeks where the pandemic began to greatly effect patient care, our physicians and staff worked tirelessly to stand up resources to help our patients and families. Both telephone and video visits became rapidly available, while we worked behind the scenes to ensure a smooth and seamless transition to this new virtual patient care landscape. Other ancillary services, such as social work, quickly pivoted to find a way to connect with patients remotely. When patients did need to seek in-person care, we ensured they remained as safe as possible during their entire visit to Baylor College of Medicine.

While the upcoming months remain largely uncertain, our team continues to be sharply focused on providing safe, effective, and patient-centered care for those who we serve.

Despite the COVID-19 pandemic, our team accomplished a great deal. We continued large research projects outlined in the funding section of this report. We established a formal shared savings partnership with United Healthcare, where we will receive a set dollar amount for achieving agreed upon metrics, such as preventing avoidable hospital remissions. Our lead nurse, Stoney Snider, received two esteemed nursing awards for her dedication to our patients and families. This annual report outlines the achievements and recognition received during Baylor College of Medicine's 2020 Fiscal Year.

Sincerely,

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

Cynthia Peacock, M.D.
Section Chief

HIGHLIGHTS

- Established a shared savings partnership with United Healthcare
- Stoney Snider received two nursing awards
- More than 20 presentations
- Inaugural round of Transition to Adult Care Mentorship

FACULTY

- Cynthia Peacock, M.D., FACP, FAAP – Medical Director and Transition Medicine Section Chief
- Elisha Acosta, M.D.
- John Berens, M.D.
- Ellen Fremion, M.D., FAAP, FACP
- Judy Kim, M.D.
- Jordan Kemere, M.D.

AWARDS AND HONORS

Elisha Acosta, M.D.

- Ambulatory Outstanding Faculty Teacher chosen by Clinical Core Clerkship, Baylor College of Medicine, June 2020
- Early Career Faculty Award for Excellence in Patient Care, Baylor College of Medicine, June 2020

Ellen Fremion, M.D.

- Norton Rose Fulbright Faculty Excellence Award for Teaching and Evaluation, Baylor College of Medicine, June 2020
- “Top Doctor” listing in the Houstonia Magazine, August 2019

Judy Kim, M.D.

- Early Career Faculty Award for Excellence in Patient Care, Baylor College of Medicine, June 2020

Cynthia Peacock, M.D.

- 2020 Women of Excellence Award Recipient, Baylor College of Medicine, April 2020

Stoney Snider, BSN, RN

- Good Samaritan Foundation’s 2020 Excellence in Nursing Award Winner, July 2020
- Houston Chronicle’s Salute to Nurses, Top 15 Nurse in the Houston Area, May 2020

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

PROFESSIONAL ORGANIZATIONS AND ASSOCIATION OFFICES

Elisha Acosta, M.D.

- American Academy of Pediatrics
- American College of Physicians

- American Academy of Developmental Medicine and Dentistry

John Berens, M.D.

- American Academy of Pediatrics
- American College of Physicians
- American Academy of Developmental Medicine and Dentistry, Faculty Lead for Baylor College of Medicine Medical Students
- Special Olympics Texas, Clinical Director
- Society of General Internal Medicine

Ellen Fremion, M.D.

- American Academy of Pediatrics Fellow
- American College of Physicians Fellow
- Spina Bifida Association, Provider Advisory Council
- American Academy of Developmental Medicine and Dentistry
- American Academy of Pediatrics Spina Bifida Transition to Adult Care Quality Improvement Expert Advisory Committee
- American Academy of Pediatrics Executive Committee Member of the Council for Children with Disabilities

Jordan Kemere, M.D.

- American College of Physicians
- American Academy of Developmental Medicine and Dentistry
- Special Olympics Texas, Clinical Director, Reopening Mitigation Committee Member

Judy Kim, M.D.

- American Academy of Family Physicians
- Texas Academy of Family Physicians
- Harris County Academy of Family Physicians
- Down Syndrome Medical Interest Group Member, Annual Symposium Planning Committee Member
- American Academy of Developmental Medicine and Dentistry

Cynthia Peacock, M.D.

- American College of Physicians Southern Texas Governor 2019-2023
- American Academy of Developmental Medicine and Dentistry, Board Member 2018-2021
- American Academy of Pediatrics
- American College of Physicians

EDITORIAL BOARD MEMBERSHIPS/EDITORIAL POSITIONS

John Berens, M.D.

- Reviewer, *Journal of Pediatric Nursing*, 2019-present

- Reviewer, *Health Care Transition Research Consortium*, 2019-present

Ellen Fremion, M.D.

- *Journal of Pediatric Physical and Rehabilitation Medicine*, 2017-present

Judy Kim, M.D.

- Reviewer, *American Family Physician*, 2020-present

RESEARCH ACTIVITIES

Grants

Elisha Acosta, M.D. (PI)

- SOI/AADMD National Curriculum in Developmental Medicine. 2018-2021

John Berens, M.D. (PI)

- Interdisciplinary Dental Care Delivery for Adults with Intellectual/Developmental Disabilities, Working for Inclusive and Transformative Healthcare. March 2019-March 2021

Ellen Fremion, M.D. (PI), Jordan Kemere, M.D. (Co-PI)

- Transition to Adult Care Mentorship Program for Individuals with Developmental Disabilities, Texas Council for Developmental Disabilities. May 2019-May 2023

Ellen Fremion, M.D. (PI), John Berens, M.D. (Co-PI), Jordan Kemere, M.D. (Co-PI)

- Baylor Transition Medicine Clinic Quality Improvement Initiative to Decrease ACSC Acute Care Utilization via Value-Based Payment and Complex Care Management Strategies, Department of Internal Medicine Quality Improvement Grant, Baylor College of Medicine Internal Medicine. April 2019-April 2020

Jordan Kemere, M.D. (co-PI)

- Using a Positive Adult Development Program to Reduce Anxiety, Stress, and Depression in Caregivers of Transition Aged Youth with IDD, Ligums Family Transition Medicine Grant, Texas Children’s Hospital. October 2019 – September 2020

Cynthia Peacock, M.D. (PI)

- “Transition Healthcare for Children and Youth with Special Care Needs.” Healthy Tomorrows Partnership for Children Program from maternal and Child Health Bureau at HRSA. March 2016-2021
- Texas Council of Developmental Disabilities “Advancing Behavioral Health Integration within a NCAQ recognized Patient-Centered Medical Home for People with IDD” Texas Council of Developmental Disabilities. April 2019-2024

Publications

- Physical Medicine and Rehabilitation Clinics of North America (IF **1.692**): 1
- Pediatrics (IF **5.417**): 1

- Journal of Pediatric Rehabilitative Medicine (IF **0.96**): 1
- EP Magazine (IF **5.231**): 1

Books and Book Chapters

- ‘Transitioning to Adult Care,’ in Dhar SU, Nagamani SCS, Eble TN (eds.) *Handbook of Clinical Adult Genetics and Genomics, A Practice-Based Approach*. S.I.: Elsevier Academic Press, pp. 59-69.

PRESS

Ellen Fremion, M.D.

- “Texas Children’s and Baylor Physicians at the forefront of nationwide research initiatives for spina bifida,” Texas Children’s Hospital, September 3 2019, <https://www.texaschildrens.org/texas-children%E2%80%99s-and-baylor-physicians-forefront-nationwide-research-initiatives-spina-bifida>

Fremion, Kemere

- “Patients with developmental disabilities learn life skills through mentorship program” Baylor College of Medicine, November 1 2019, <https://blogs.bcm.edu/2019/11/01/patients-with-developmental-disabilities-learn-life-skills-through-mentorship-program/>

Stoney Snider, BSN, RN

- “Thank you to our nurse heroes – now and always!” Baylor College of Medicine, May 4 2020, <https://bcmfamily.bcm.edu/2020/05/04/thank-you-to-our-nurse-heroes-now-and-always/>
- “Salute to Nurses: The Houston Chronicle honors 2020’s top nurse leaders” Houston Chronicle, May 4 2020, <https://www.chron.com/jobs/salute-to-nurses/article/Salute-to-Nurses-The-Houston-Chronicle-honors-15245052.php>

TEACHING ACTIVITIES

Lectures and Presentations

Elisha Acosta, M.D.

- Baylor College of Medicine Internal Medicine-Pediatrics Interest Group, “What is Health Care Transition and Why is it Important?” Houston, TX, October 2019
- Pediatric Complex Care Association conference, presenter at breakout session, “Family-Centered Transition Planning for Youth with Complex Medical Conditions,” Orlando, FL, November 2019
- Post-transfer Transition Outcomes at the Texas Children’s Complex Care Clinic. Poster presented at the Healthcare Transition Research Consortium annual meeting. Houston, TX, October 2019
- Understanding Rate and Characteristics of Admission from the ER for Patients with Intellectual Disability. Poster presented at the 3rd Annual Summer Research Summit of the Baylor College

of Medicine Center of Excellence in Health Equity, Training and Research. Houston, TX, June 2020

John Berens, M.D.

- Healthcare Transition in Neurology. Pediatric Neurology Grand Rounds, Texas Children's Hospital, 2020 June 10.
- AADMD: Inclusion Week. AADMD Student Group, Baylor College of Medicine, March 2020
- Management of the adult with spina bifida. Medicine-Pediatrics Noon Conference, Penn Medicine, Philadelphia, 2019 September 26.
- Improving Healthcare for Individuals with Intellectual/Developmental Disabilities. AADMD Student Group, Baylor College of Medicine, 2019 Aug 28.
- Improving Access to Dental Care: a Multidisciplinary Approach. American Academy of Developmental Medicine and Dentistry (AADMD) National Conference, 2020 June 9.
- Long Term Care Planning for Family Caregivers of those with IDD. Chronic Illness and Disability Conference: Transition from Pediatric to Adult-based Care, Houston, TX, 2019 October 24.
- Interdisciplinary Dental Care Delivery for Adults with Intellectual and Developmental Disabilities. Poster session presented virtually at the annual national conference of the American Academy for Developmental Medicine and Dentistry, 2020 June 5. Poster won 3rd prize for best poster.
- Using focus groups of caregivers of individuals with IDD to identify targets for LTC planning interventions. This abstract was accepted to Pediatric Academic Societies annual conference that was scheduled for May 2020 but cancelled due to COVID-19.

John Berens, M.D., and Elisha Acosta, M.D.

- What is Healthcare Transition and Why is it Important? Med-Peds Interest Group, Baylor College of Medicine, 2019 October 1.

Cynthia Peacock, M.D., and John Berens, M.D.

- Reducing Health Disparity for People with Intellectual Disabilities. Healthier Texas Summit, 2019 October 17.
- An Interdisciplinary Approach to Improving Access to Dental Care for Adults with Intellectual/Developmental Disabilities. Due to COVID-19 related conference cancellation, this submitted (yet not-peer-reviewed) abstract was disseminated in April 2020 virtually

Ellen Fremion, M.D.

- Transition to Adult Healthcare Models, Spina Bifida Association, Chicago, IL, June 28, 2019
- "Transition to Adult Care," "Emotional Health," "Physical Activity and Healthy Eating," Spina Bifida Association Education Day, Houston, TX, August 3, 2019
- Recurrent Urinary Tract Infections in Congenital Neurogenic Bladder, Houston Methodist Hospital Urology and Neurogenic Bladder Research Group, Houston, TX, October 5, 2019
- Advocacy for Individual with Intellectual/Developmental Disabilities, Internal Medicine-Pediatric Grand Rounds, Baylor College of Medicine, Houston, TX, December 18, 2019

- Advocacy for Individual with Intellectual/Developmental Disabilities, Internal Medicine Wednesday School, Baylor College of Medicine, Houston, TX, June 10, 2020
- A Goal-Setting Intervention to Improve Bladder, Bowel, and Skin Care Self-Management in Adolescents and Young Adults with Spina Bifida. Poster presented at the Urology Conference for Nurses. October 1, 2019. Noordwijk, Netherlands.
- Improving Spina Bifida Self-Management via a Transition Clinic Goal-Setting Intervention. Presented at the 20th Annual Chronic Illness and Disability Conference: Transition from Pediatric to Adult-based Care. October 23, 2019

Jordan Kemere, M.D.

- “Transitioning Care: Q&A with Parents and Top Specialists from the Area.” Living Rare, Living Stronger NORD (National Organization for Rare Disease) Patient & Family Forum, Houston, TX, June 22, 2019

Judy Kim, M.D.

- Family Centered Transition Planning for Youth with Complex Medical Conditions, Pediatric Complex Care Association Annual Conference, Orlando, FL, November 6 2019
- Determinants, Disparities, and Social Health of Populations (DDASH) course faculty speaker, Baylor College of Medicine, March 26 2020

Judy Kim, M.D., and Cynthia Peacock, M.D.

- “Inclusion Revolution,” Compassion and the Art of Medicine, Baylor College of Medicine, November 15 2019

Cynthia Peacock, M.D.

- The Society for Pediatric Dermatology 44th Annual Meeting, Transition from Pediatric to Adult Health Care: Follow the Yellow Brick Road, Austin, Texas. July 13, 2019



The Transition Medicine Team poses in the waiting room of the clinic, located at the McNair Campus.



Amelia Flores, one of Transition Medicine's Medical Assistants, is featured on signage at Baylor College of Medicine's COVID-19 Testing Drive Thru Site. Many members of our team have volunteered their time towards BCM's testing and COVID-19 response.