

2021 ANNUAL REPORT

Baylor
College of
Medicine

Baylor St. Luke's
Medical Center



DEPARTMENT
OF MEDICINE

The Margaret M. and Albert B. Alkek
DEPARTMENT OF MEDICINE
Annual Report 2021

BAYLOR COLLEGE OF MEDICINE

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COMMENTS FROM THE CHAIRMAN



CHAIR

*Hashem B. El-Serag,
MD, MPH*

Dear Colleagues:

I am pleased to share the 2021 Annual Report for the Department of Medicine at Baylor College of Medicine. I hope this provides an outline of the remarkable achievements made by our faculty, trainees, staff and administration.

Guided by an ambitious strategic plan (bcm.edu/departments/medicine/strategic-plan), our Department of Medicine has considerably advanced the mission of Baylor College of Medicine and its affiliated teaching hospitals.

I am 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, medical education and training.

Sincerely,

A handwritten signature in blue ink that reads "Hashem B. El-Serag". The signature is fluid and cursive, with a large loop at the end.

Hashem B. El-Serag, MD, MPH

DEPARTMENT OF MEDICINE

ORGANIZATIONAL OVERVIEW

CHAIRMAN

Hashem B. El-Serag, MD, MPH

OFFICE OF THE CHAIR

Vice Chair for Clinical Affairs

Vice Chair for Education

Vice Chair for Faculty and Staff Development

Vice Chair for Harris Health System/Ben Taub Hospital

Vice Chair for Quality Improvement and Innovation

Vice Chair for Research

Vice Chair for Veterans Affairs

Mandeep Bajaj, MBBS

Richard J. Hamill, MD

Joslyn Fisher, MD, MPH

Hemant Roy, MD

Mayar Al Mohajer, MD, MBA, FACP

Rolando Rumbaut, MD, PhD

Biykem Bozkurt, MD, PhD

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, MD

Christie Ballantyne, MD

Marco Marcelli, MD (Interim)

Christopher Amos, PhD (Interim)

Fasiha Kanwal, MD, MSHS

Joslyn Fisher, MD, MPH

Aanand Naik, MD

Laura Petersen, MD, MPH, FACP

Martha Mims, MD

Sandeep Agarwal, MD, PhD

Thomas Giordano, MD, MPH

Wolfgang Winkelmayr, MD, ScD

Ivan Rosas, MD

Cynthia Peacock, MD

THE DEPARTMENT OF MEDICINE

The Department of Medicine at Baylor College of Medicine is the professional home of 498 full- and part-time paid faculty, 427 trainees and 428 staff, distributed across 14 sections. We have campus sites at Baylor St. Luke's Medical Center, the McNair Campus, Michael E DeBakey VA Medical Center, Harris Health System, Texas Children's Hospital, and the Pavilion for Women, as well as several affiliate sites. We also have strong associations with numerous centers, programs and organized research units. Our team is thrilled to celebrate our departmental achievements in research, patient care and medical education and training.

RESEARCH

In FY21, the research efforts of our department faculty were supported by \$94.2M in total extramural research funding (478 funding awards total), including:

- \$57M from the NIH,
- \$7.5M from the Veteran's Administration
- \$14.7M from state and non-federal sources
- \$4.6M from industry support of clinical trials
- \$10.4M from other federal agencies

This funding includes NIH Center awards in oncology and gastroenterology and a VA Center of Excellence Award. Four of our sections have NIH T32 grants to support research training in the fields of gastroenterology, infectious diseases, thrombosis/inflammation 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 provided at these locations are nationally recognized as sites of premier clinical quality.

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

Researchers from our 14 sections and seven research centers are developing treatments for cancer, cardiovascular disease, AIDS, digestive diseases and the diseases of aging. We translate this knowledge to improve care for our patients.

EDUCATION

The Department of Medicine's education efforts train the next generation of leaders in medicine through medical school, graduate medical training, fellowships and internships. The Department of Medicine provides undergraduate medical education (UME) students a balance of training, exposure

and experience, which prepares them for graduate programs. Our faculty teach two-thirds of the UME courses. Students first attend foundational sciences curriculum courses and then their clinical curriculum courses. Students choose one sub-internship, seven core clerkships and five or six clinical electives.

Students within the Internal Medicine sub-internship develop skills required for their internship. During these rotations, medical students experience increased autonomy, acting as interns supervised directly by senior residents and the attending physician. Students 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 authorized by the Accreditation Council for Graduate Medical Education and its respective Residency Review Committees. Each year, we enroll highly competitive applicants and continue to match outstanding residents. Our graduates become leaders in Internal Medicine and its specialties, both academically and in clinical practice.

Beyond residency training, the Department of Medicine offers fellowships for 2 to 4 years of training in each major subspecialty. This experience gives physicians the opportunity to learn special concepts, information and procedures for a particular subspecialty, with an opportunity 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 the Texas Medical Center 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 the world's largest medical center.

CLINICAL CENTERS

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

RESEARCH CENTERS

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

SECTIONS OF THE DEPARTMENT OF MEDICINE

SECTION OF CARDIOLOGY

SECTION ACCOMPLISHMENTS

- Baylor St. Luke's Medical Center/Texas Heart Institute (BSLMC/THI) ranked 13th in the nation and first in Houston for cardiology and heart surgery in *US News and World Report*, with high performance (5/5) for transcatheter aortic valve replacement (TAVR), heart attack and heart failure, received recognition from the American College of Cardiology as a TAVR center of excellence (first in Houston), and is the only 3-star TAVR program in Common Spirit Health
- Ranked #19 nationally by *US News & World Report* for best global universities for cardiac and cardiovascular system, ranked #20 globally for publications; ranked #17 in the world globally for Cardiology by Expertscape
- Ben Taub Hospital received the American Heart Association/American Stroke Association's Get With The Guidelines—Stroke Gold Plus—Target: Stroke Honor Roll Elite Plus Award and is a designated Chest Pain Center and a Mission: Lifeline Gold Plus Receiving Center for ST-Segment Elevation Myocardial Infarction (STEMI) care
- The Michael E. DeBakey VA Medical Center (MEDVAMC) is one of the leading VA Centers in pioneering cutting-edge/new technologies (first phrenic nerve pacemaker stimulation to treat central sleep apnea, CardioMems pressure monitoring, orbital atherectomy, leadless pacemaker and many others)
- Faculty hold numerous national leadership positions, including President of the Heart Failure Society of America (Biykem Bozkurt) and President-Elect of the American Society of Echocardiography (Raymond Stainback)
- Outstanding academic productivity included 304 journal articles published and 86 abstracts and presentations at American Heart Association (AHA) and American College of Cardiology (ACC) meetings



SECTION CHIEF

Christie M. Ballantyne, MD

FACULTY

Section Leadership

- Christie M. Ballantyne, MD, Chief
- Nasser M. Lakkis, MSc, MD, Chief, Section of Cardiology, Ben Taub Hospital
- Biykem Bozkurt, MD, PhD, Medical Care Line Executive (Medicine Department Chair), MEDVAMC
- Juan Carlos Plana Gomez, MD, Chief, Cardiovascular Service Line, BSLMC
- Glenn N. Levine, MD, Chief, Cardiology Section, MEDVAMC

- Basant Arya, MD, FGP Medical Director and Medical Director, Baylor Heart Clinic
- Andrew Civitello, MD, Director, Advanced Heart Failure, BSLMC
- Hani Jneid, MD, Director, Interventional Cardiology, MEDVAMC; Director, Structural Heart Disease, Ben Taub Hospital

Faculty

Professor

- Hamid Afshar, MD
- Christie M. Ballantyne, MD
- Yochai Birnbaum, MD
- Biykem Bozkurt, MD, PhD
- Ali E. Denktas, MD
- John Alan Farmer, MD
- Savitri Fedson, MD, MA
- Gabriel Habib, MD
- Nasser M. Lakkis, MSc, MD
- Glenn Levine, MD
- Neil E Strickman, MD
- Salim S. Virani, MD, PhD

Associate Professor

- Mahboob Alam, MBBS
- Basant Arya, MD
- Mihail G. Chelu, MD, PhD
- Andrew Civitello, MD
- Jose G Diez, MD
- Irakli Giorgberidze, MD
- Ihab Rafic Hamzeh, MD
- Sheila K. Heinle, MD
- Hani Jneid, MD
- Michael Mihalick, MD
- Arunima Misra, MD
- Vijay Nambi, MD, PhD
- Juan Carlos Plana Gomez, MD
- Abdi Rasekh, MD
- Mehdi Razavi, MD
- Mohammad Saeed, MD
- Rashed Tabbaa, MD
- Raymond Stainback, MD

Assistant Professor

- Oliva Dinal Delossantos, DNP

- Waleed Tallat Kayani, MD
- Shaden Khalaf, MD
- Mirza Umair Khalid, MD
- Srikanth Koneru, MD
- Jennifer Loveless, NP
- Tony S. Ma, MD, PhD
- Ronald Maag, MD
- Rita Frances Marr, MD
- Vanessa N. Medrano, MD
- Joanna Esther Molina Razavi, MD
- Tyler B. Moran, MD, PhD
- Ajith P. Nair, MD
- Joseph P Navarrijo, MD
- Selby B. Oberton, MD
- David Paniagua, MD
- Dhaval Parekh, MD
- Allison Michelle Pritchett, MD
- Francia Rojas-Delgado, MD
- Paul Schurmann, MD
- Mourad H. Senussi, MD, MS
- Guilherme Vianna Silva, MD
- Leo Simpson, MD
- Ankit Upadhyay, MD
- Lola Xiaoying Xie, MD
- Lily Zheng, MD

Instructor

- Ana Clarissa Butac, NP
- Florencia Griffin, PA
- Brittany Alise Knight, MSN, NP
- Mackenzie Koetting, NP
- Shalini Pappachan, NP
- Sandra Gwendolyn Stahl, NP
- CeCe Zhang, PA

HONORS AND ACHIEVEMENTS

Hamid Afshar, MD

- Promotion to Professor
- STAR Faculty Award for Excellence in Patient Care, Baylor College of Medicine

Mahboob Alam, MBBS

- 2021 Top Doctor (Interventional Cardiology), *Houstonia* magazine
- Associate Director, Cardiology Fellowship Program, Baylor College of Medicine
- Member of Team to Establish STEMI Program at Texas Children's Hospital

Basant Arya, MD

- Invited faculty lecture, "Volume Assessment in Shock Patients," American Society of Echocardiography Scientific Sessions
- Member at Large, Guidelines & Standards Committee, American Society of Echocardiography

Christie Ballantyne, MD

- 2021 Castle Connolly America's Top Doctors
- 2021 America's Most Honored Doctors—Top 5%
- 2021 TX Top Docs
- 2020 Clarivate Highly Cited Researchers, World's top 1%
- 2021 ranked #3 globally for hypertriglyceridemia and #5 globally for LDL, lipoproteins by Expertscape

Yochai Birnbaum, MD

- 2021 Houston's Top Doctors

Biykem Bozkurt, MD, PhD

- 2020 Clarivate World's Highly Cited Researchers (top 1% Web of Science)
- Cardiology Expertise #6 in the world, Heart Failure Expertise Top 0.026%, Expertscape
- Chair-Elect, American College of Cardiology Foundation/AHA Task Force on Performance Measures
- Immediate Past President, Heart Failure Society of America
- Vice-Chair, AHA/ACC Writing Committee for Practice Guidelines in Heart Failure



Biykem Bozkurt, MD, PhD, chaired the 2020 HFSA Annual Scientific Sessions as President of the Heart Failure Society of America.

Mihail Chelu, MD, PhD

- Executive Committee, Cardiovascular Research Institute, Baylor College of Medicine
- Congress President, Iasi International Iasi Arrhythmia Forum

Andrew Civitello, MD

- Led BSLMC Heart Transplant program to CMS recertification
- Led BSLMC Heart Transplant program to designation as OptumHealth Transplant Center of Excellence

Ali Denktas, MD

- Top Doctor (Interventional Cardiology), *Houstonia* Magazine

Jose Diez, MD

- BCM Power of Professionalism Award, Baylor College of Medicine
- Board Certification Exam in Cardio-Oncology, International Cardio-Oncology Society
- Member, International Committee, Society for Cardiovascular Angiography and Intervention

Savitri Fedson, MD, MA

- Promotion to Professor
- Presenter, "Pitfalls of Experimentation in Times of Crisis," Annual Clinical Conference, MacLean Center, University of Chicago

Ihab Hamzeh, MD

- Top Doctor, *Houstonia* Magazine

Hani Jneid, MD

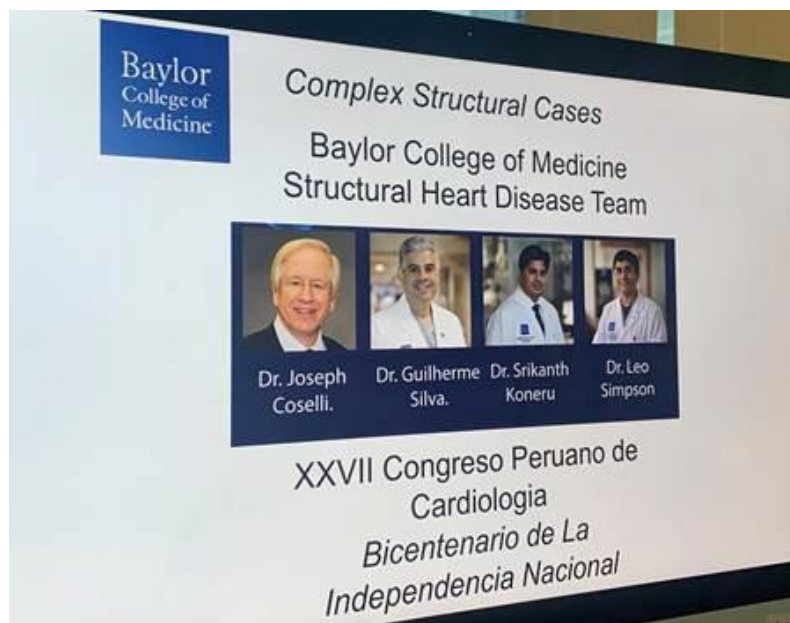
- 2021 American College of Cardiology, The Gifted Educator Award
- 2021 Star Award for Excellence in Patient Care, Baylor College of Medicine
- Chair, the ACC/AHA Task Force on Clinical Data Standards
- Chair, Writing Group, ACC/AHA Performance Measure Document for Valvular Heart Disease
- Ranked #17 in the world for Cardiology Expertise, Expertscape

Umair Khalid, MD

- Early Career Faculty Award for Excellence in Patient Care, Baylor College of Medicine
- Appointed as the Director of Cardiac Care Unit, MEDVAMC
- Chair, Early Career Social Media Team, American College of Cardiology

Srikanth Koneru, MD

- Early Career Award for Patient Care, Baylor College of Medicine
- Established Valve Clinic at BSLMC
- Attained Fellowship of American Society of Echocardiography



International presentation, Peruvian Cardiology Society Congress 2021.

Glenn Levine, MD

- Visiting Professor, Washington University in St. Louis
- Baylor College of Medicine/Baylor House Staff Teaching Faculty Award: Consult/Ambulatory
- 2020 Clarivate World's Highly Cited Researchers (top 1% Web of Science)

Ronald Maag, MD

- Associate Medical Director, Baylor Heart Clinic
- Medical Co-Director, Echocardiography Lab, Baylor Heart Clinic
- Medical Co-Director, Nuclear Cardiology Lab, Baylor Heart Clinic

Arunima Misra, MD

- Selected as Member, Education Committee, American Society of Echocardiography
- Selected as Member, Education Committee, Heart Failure Society of America
- Selected as Member, Valvular Heart Disease Performance Measures Writing Committee, ACC
- Selected as Subspecialty Education Coordinator for Cardiology, Baylor College of Medicine

Ajith Nair, MD

- Top Doctor (Cardiology), *Houstonia* Magazine

Vijay Nambi, MD, PhD

- Norton Rose Fulbright Faculty Excellence Award for Development of Enduring Educational Materials
- Topic co-coordinator for ACC 21 and topic coordinator for ACC 22 scientific sessions planning committee, "Prevention and Health Promotion"

Juan Carlos Plana, MD

- Co-Director, Master in Cardio-Oncology, Spanish Society of Cardiac Imaging
- Research co-Chair BSLMC, Common Spirit Health Research Council

Guilherme Silva, MD

- Site Principal Investigator, Edward PASCAL (Clasp II TR) Transcatheter Valve Repair System

Leo Simpson, MD

- Star Award for Excellence in Patient Care, Baylor College of Medicine

Raymond Stainback, MD

- President-Elect, American Society of Echocardiography
- Course Director, 11th Annual Houston Echo Review—boot camp for the Echo Boards
- Speaker, "Echo for LVAD patients selection," EACVI webinar
- Speaker, "Surveillance echo for LVADs," American Society of Echocardiography Scientific Sessions
- Speaker, "Adult congenital heart disease—expected and unexpected paired findings," American Society of Echocardiography Scientific Sessions

Neil Strickman, MD

- Lectured on carotid stenting virtually at CardioAlex, Alexandria, Egypt

Ankit Upadhyay, MD

- Co-PI, DAPA ACT HF-TIMI 68 study
- Review, "Adherence to echocardiogram protocols for percutaneous mitral valve repair and transcatheter aortic valve replacement procedures," *Cardiology*: Open access

Salim Virani, MD, PhD

- Leadership Award, ACC's National Cardiovascular Disease Registry Management Board
- Clark Faculty Service Award, Baylor College of Medicine
- Chair, ACC's Expert Consensus Statement on management of elevated triglycerides
- Co-Chair, Global Think Tank Meeting on the Role of Lipoprotein(a) in Risk Assessment and Risk Management (organized by the National Lipid Association).
- Chair, Global NCD Academy of the American College of Cardiology

Lola Xie, MD

- Co-PI, COMPETENE trial
- Co-PI, LOFT-HF trial
- Co-PI, CORCINCH-HF study
- Invited talk: National Cardiology Association of Mexico Regional Meeting

RESEARCH ACTIVITIES

Grants

Christie Ballantyne, MD

- NIH; Mapping the Progression to HFpEF in the Elderly through Longitudinal Changes in Cardiac Function; \$4,165,032
- Ionis Pharmaceuticals; A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study of Akcea-ApoCIII-Lrx Administered Subcutaneously to Patients with Familial Chylomicronemia Syndrome; \$64,450

Biykem Bozkurt, MD, PhD

- Veterans Affairs Investigator Initiated Research; Continuous Wearable Monitoring Analytics to Improve Outcomes in Heart Failure—LINK-HF2 Multicenter Implementation Study; \$148,000

Mihail Chelu, MD, PhD

- Impulse Dynamics (USA); Optimizer Smart Post-Approval Study
- PCORI grant to UCSF and subcontract to BCM; TRAVERSE PCORI

Ajith Nair, MD

- CAREDx, Inc.; SHORE
- Janssen Research & Development, LLC; UNISUS-ACTELION

Abdi Rasekh, MD

- Adagio Medical, Inc.; iCLAS for Persistent Atrial Fibrillation
- Biosense Webster; STELLAR

Guilherme Silva, MD

- Ancora Heart, Inc.; CorCinch 5019
- Abbott Vascular, Inc.; PIVSD Occluder HDE PAS
- W.L. Gore & Associates, Inc.; REDUCE PAS - GORE PFO

Salim Virani, MD, PhD

- VA HSR&D; Optimizing Renin Angiotensin System Blocker Use among Veterans with Kidney Disease; \$1,199,010

Publications

- *American Heart Journal* (IF **4.749**): 2
- *American Journal of Kidney Diseases* (IF **8.860**): 1
- *American Journal of Medicine* (IF **4.965**): 12
- *American Journal of Preventive Medicine* (IF **5.043**): 1
- *American Journal of Public Health* (IF **9.308**): 1
- *American Journal of Transplantation* (IF **8.086**): 1
- *Annual Review of Medicine* (IF **12.457**): 1
- *Arteriosclerosis, Thrombosis, and Vascular Biology* (IF **8.311**): 2
- *Atherosclerosis* (IF **5.162**): 2
- *Cancer* (IF **6.860**): 1
- *Cancer Epidemiology, Biomarkers & Prevention* (IF **4.254**): 1
- *Cardiovascular Research* (IF **10.787**): 1
- *Circulation* (IF **29.690**): 11
- *Circulation: Cardiovascular Interventions* (IF **6.546**): 1
- *Circulation: Cardiovascular Quality and Outcomes* (IF **5.882**): 2
- *Circulation: Genomic and Precision Medicine* (IF **6.054**): 1
- *Clinical Chemistry* (IF **8.327**): 3
- *Current Atherosclerosis Reports* (IF **5.113**): 5
- *Current Problems in Cardiology* (IF **5.200**): 2
- *Diabetes* (IF **9.461**): 1
- *Diabetes Care* (IF **19.112**): 2
- *EuroIntervention* (IF **6.534**): 1
- *European Heart Journal* (IF **29.983**): 7
- *European Heart Journal-Cardiovascular Pharmacotherapy* (IF **6.617**): 2
- *European Journal of Heart Failure* (IF **15.534**): 2
- *European Journal of Preventive Cardiology* (IF **7.804**): 7
- *Frontiers in Psychiatry* (IF **4.157**): 1

- *Heart* (IF **5.994**): 2
- *Heart Failure Reviews* (IF **4.214**): 2
- *Human Molecular Genetics* (IF **6.150**): 1
- *Hypertension* (IF **10.190**): 2
- *Immunology* (IF **7.397**): 1
- *International Journal of Cardiology* (IF **4.164**): 2
- *International Journal of Obesity* (IF **5.095**): 1
- *JACC: Basic to Translational Science* (IF **8.648**): 1
- *JACC: CardioOncol* (IF **6.250**): 1
- *JACC: Cardiovascular Imaging* (IF **14.805**): 1
- *JACC: Cardiovascular Interventions* (IF **11.195**): 3
- *JACC: Clinical Electrophysiology* (IF **6.375**): 1
- *JACC: Heart Failure* (IF **12.035**): 1
- *JAMA* (IF **56.272**): 2
- *JAMA Cardiology* (IF **14.676**): 10
- *JAMA Internal Medicine* (IF **21.873**): 1
- *JAMA Network Open* (IF **8.483**): 2
- *JAMA Oncology* (IF **31.777**): 1
- *Journal of Cardiac Failure* (IF **5.712**): 2
- *Journal of Cardiovascular Translational Research* (IF **4.132**): 1
- *Journal of Clinical Endocrinology & Metabolism* (IF **5.958**): 3
- *Journal of Clinical Lipidology* (IF **4.766**): 4
- *Journal of Clinical Oncology* (IF **44.544**): 1
- *Journal of Global Health* (IF **4.413**): 1
- *Journal of Rheumatology* (IF **4.666**): 1
- *Journal of the American College of Cardiology* (IF **24.094**): 10
- *Journal of the American Geriatrics Society* (IF **5.562**): 1
- *Journal of the American Heart Association* (IF **5.501**): 15
- *Journal of the American Society of Echocardiography* (IF **5.251**): 1
- *Lancet Diabetes & Endocrinology* (IF **32.069**): 1
- *Mayo Clinic Proceedings* (IF **7.616**): 3
- *Nature Communications* (IF **14.919**): 2
- *Nature Genetics* (IF **38.330**): 1
- *Nature Reviews Cardiology* (IF **32.419**): 2
- *Nephrology Dialysis Transplantation* (IF **5.992**): 1
- *New England Journal of Medicine* (IF **91.245**): 1
- *Progress in Cardiovascular Diseases* (IF **8.194**): 3
- *Reviews in Medical Virology* (IF **6.989**): 1
- *Scientific Reports* (IF **4.379**): 3
- *Stroke* (IF **7.914**): 1
- *Trends in Genetics* (IF **11.639**): 1

Books and Book Chapters

Christie Ballantyne, MD

- Lipid-modifying drugs. In: *Opie's Cardiovascular Drugs: A Companion to Braunwald's Heart Disease*

Biykem Bozkurt, MD, PhD

- Section Editor, Heart Failure. In: *Cardiovascular Medicine and Surgery*

Hani Jneid, MD

- NSTEMI-ACS. In: *Cath SAP*
- Cardiogenic Shock. In: *Cardiology Secrets*

Umair Khalid, MD

- Cardiac Catheterization: Coronary Angiogram, Intracoronary Imaging, and Physiology. In: *Cardiology Secrets*
- Prevention: Atherosclerotic Cardiovascular Disease Risk Assessment. In: *Adult Clinical Cardiology Self-Assessment Program (ACCSAP)*

Glenn Levine, MD

- *Take Back Control of Your Mind*

Tyler Moran, MD, PhD

- Cardiotoxic Effects of Cancer Therapy. In: *ASE's Comprehensive Echocardiography*

Ajith Nair, MD

- Sex Differences in Pulmonary Arterial Hypertension. In: *Sex Differences in Cardiac Diseases: Pathophysiology, Presentation, Diagnosis and Management*
- Sex Differences in Heart Failure with Preserved Ejection Fraction. In: *Sex Differences in Cardiac Diseases: Pathophysiology, Presentation, Diagnosis and Management*

Vijay Nambi, MD, PhD

- Lipid management. In: *Cardiology Secrets*
- Carotid artery disease. In: *Cardiology Secrets*

Salim Virani, MD, PhD

- Prevention: Atherosclerotic Cardiovascular Disease Risk Assessment. In: *Adult Clinical Cardiology Self-Assessment Program (ACCSAP)*

SECTION OF CARDIOVASCULAR RESEARCH

SECTION ACCOMPLISHMENTS

- Section faculty and fellows authored 198 journal articles published this year, including 45 manuscripts in journals with impact factor >10
- The section received 12 new grants, including 7 NIH grants, with combined total funding of \$11,284,655
- Ranked #11 in the world and #4 in the United States for hypertriglyceridemia and #13 in the world and #5 in the United States for LDL, lipoproteins by Expertscape; ranked #19 nationally by *US News & World Report* for best global universities for cardiac and cardiovascular system, ranked #20 globally for publications
- The monthly Cardiovascular Research Seminar series was initiated to stimulate discussions among section faculty members and trainees and to foster potential collaborations
- Trevor Hadley, BS, a third-year medical student involved in research in our section, won the National Lipid Association's 2020 Young Investigator Award for outstanding lipid research, as first author and presenter of his abstract "Genetic Testing for Hypertriglyceridemia—Experience from a Single Center Lipid Clinic," coauthored with section faculty and fellow
- The Lipid Metabolism and Atherosclerosis Clinic continues to provide state-of-the-art patient care informed by our ongoing research, including clinical trials of drugs in development that use biotechnology such as monoclonal antibodies, antisense oligonucleotides, and small interfering RNA approaches to target severe lipid disorders



SECTION CHIEF

Christie M. Ballantyne, MD

FACULTY

Section Leadership

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

Faculty

Division of Atherosclerosis and Vascular Medicine

Professor

- Christie M. Ballantyne, MD
- John P. Foreyt, PhD
- Salim S. Virani, MD, PhD

Professor Emeritus

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

Associate Professor

- Ron C. Hoogeveen, PhD
- Peter H. Jones, MD
- Na Li, PhD
- Vijay Nambi, MD
- Huaizhu Wu, MD

Assistant Professor

- Xinchun Pi, PhD
- Elizabeth M. Vaughan, DO, MPH, RD
- Liang Xie, PhD

Instructor

- Hua Mao, PhD

Division of Cardiovascular Sciences

Professor

- Mark L. Entman, MD

Professor Emeritus

- Margaret Ann Goldstein, PhD
- Craig J. Hartley, PhD

Associate Professor

- Katarzyna A. Cieslik, PhD
- Sandra B. Haudek, MS, PhD
- JoAnn Trial, PhD

Assistant Professor

- Anilkumar K Reddy, PhD

Division of Hypertension and Clinical Pharmacology

Professor

- James L. Pool, MD
- Addison A. Taylor, MD, PhD

Division of Thrombosis Research

Professor

- Miguel A. Cruz, PhD

Associate Professor

- Vinod Vijayan, PhD

HONORS AND ACHIEVEMENTS

Christie Ballantyne, MD

- 2021 Castle Connolly America's Top Doctors
- 2021 America's Most Honored Doctors—Top 5%
- 2021 TX Top Docs
- 2020 Clarivate Highly Cited Researchers, World's top 1%
- 2021 ranked #3 globally for hypertriglyceridemia and #5 globally for LDL, lipoproteins by Expertscape

Katarzyna Cieslik, PhD

- Standing member of MPPB NIH study section

Mark Entman, MD

- Dr. Mark L. Entman Award for Excellence in Cardiovascular Education initiated by Cardiovascular Research Institute, Baylor College of Medicine, to recognize faculty for outstanding teaching and contribution in the graduate school curriculum

Ron Hoogeveen, PhD

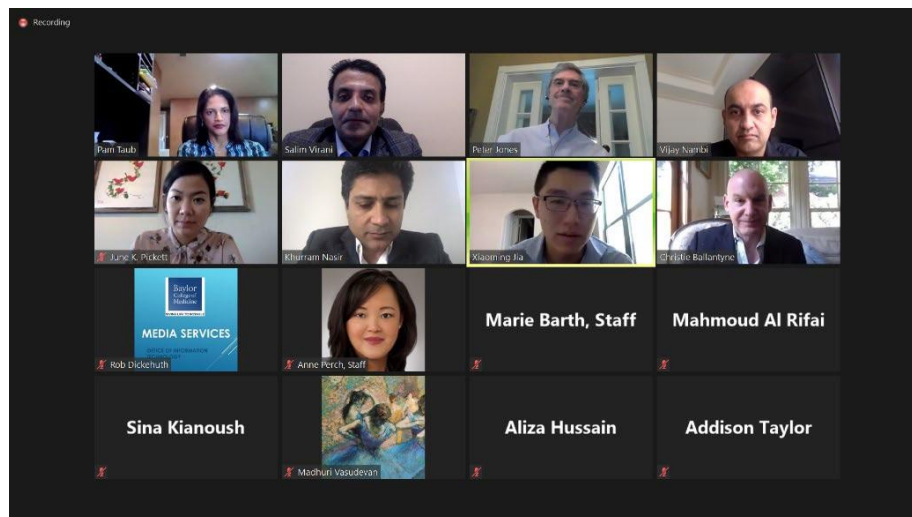
- Joined Steering and Laboratory Committees for the Coronary Artery Risk Development In Young Adults (CARDIA) study

Na Li, PhD

- Promotion to Associate Professor (tenured)
- Successful defense and graduation of the MPB graduate student Larry Scott, Jr., from Li lab
- Member, NIH CVRS-J80 Study Section
- Member, AHA Career Development Award Cardiology Study Section
- Member, AHA Cardiac Electrophysiology and Arrhythmias Fellowship Cardiac Study Section

Vijay Nambi, MD, PhD

- Norton Rose Fulbright Faculty Excellence Award for Development of Enduring Educational Materials
- Topic co-coordinator for ACC 21 and topic coordinator for ACC 22 scientific sessions planning committee, "Prevention and health promotion"
- Course director, first annual "'Prevention Rules' for Cardiometabolic Diseases" CME activity, Baylor College of Medicine



First annual "'Prevention Rules' for Cardiometabolic Diseases" CME activity was held on September 19, 2020.

Xinchun Pi, PhD

- Baylor Interim Funding Award, Baylor College of Medicine
- Reviewer for American Heart Association Fellowships Cardiology 6 (CV Dev)
- Grant Reviewer for IPOD Study Section

Addison Taylor, MD, PhD

- Member, Steering Committee, VA Cooperative Study Program (CSP) Diuretic Comparison Project

Vinod Vijayan, PhD

- Member, NIH ZRG1 BCMB-G 55 Study Section (Pilot Projects Investigating Understudied G Protein-Coupled Receptors, Ion Channels, and Protein Kinases)
- Member, Oklahoma Center for the Advancement of Science and Technology, Oklahoma Health Research Program Grant Review Committee
- Member, American Society of Hematology Annual Meeting 2020 abstract review panel

Salim Virani, MD, PhD

- Leadership Award, American College of Cardiology's National Cardiovascular Disease Registry Management Board
- Clark Faculty Service Award, Baylor College of Medicine
- Chair, ACC's Expert Consensus Statement on management of elevated triglycerides
- Co-Chair, Global Think Tank Meeting on the Role of Lipoprotein(a) in Risk Assessment and Risk Management (organized by the National Lipid Association).
- Chair, Global NCD Academy of the American College of Cardiology

Huaizhu Wu, MD

- Invited lecture, "Adaptive Immune Cells in Metabolic Inflammation," Cardiovascular Research Seminar Series, Baylor College of Medicine
- Invited lecture, "Hypertriglyceridemia, Inflammation, and Atherosclerosis," Michael E. DeBakey VAMC/CTRID Research Seminar Series, Baylor College of Medicine
- Invited lecture, "Metabolic Inflammation in Obesity: Friend or Foe?," Cardiovascular Research Institute research seminar, Baylor College of Medicine
- Invited lecture, "Metaflammation in Obesity and Effects of Weight Loss," Pediatric Gastroenterology Research Workshop, Baylor College of Medicine
- Invited lecture, "Regulation of Type 1 Metaflammation in Obesity," Institute of Molecular Medicine, UTHealth

RESEARCH ACTIVITIES

Grants

Christie Ballantyne, MD

- NIH; Mapping the Progression to HFpEF in the Elderly through Longitudinal Changes in Cardiac Function; \$507,795
- Ionis Pharmaceuticals; A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study of Akcea-ApoCIII-Lrx Administered Subcutaneously to Patients with Familial Chylomicronemia Syndrome (FCS); \$64,450

Katarzyna Cieslik, PhD

- NIH/National Institute on Aging (NIA); Glycine and N-Acetyl Cysteine Supplemented Diet Improves Inflammatory-Based Fibrosis in the Aging Heart; \$160,000

Miguel Cruz, PhD

- NIH/National Heart, Lung and Blood Institute (NHLBI); Molecular Studies of Hemolytic Thrombosis; \$1,929,000

Mark Entman, MD

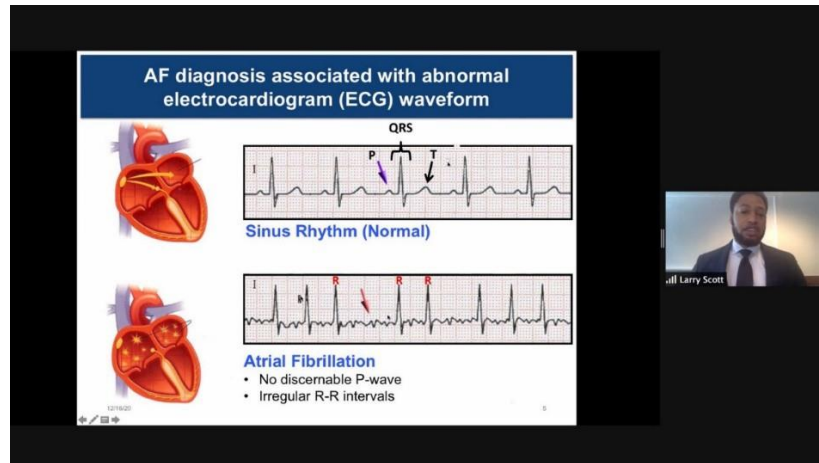
- NIH/NIA; Glycine and N-Acetyl Cysteine Supplemented Diet Improves Inflammatory-Based Fibrosis in the Aging Heart; \$160,000

Ron Hoogeveen, PhD

- NIH/NHLBI; Proteomic Signatures to Identify Pathways Underlying the Progression to Heart Failure; \$553,000
- NIH/NHLBI; Coronary Artery Risk Development In Young Adults (CARDIA) Coordinating Center Task Area B-Exam; \$136,163

Na Li, PhD

- UH/BCM Collaborative Pilot Grant; Reprogrammed Cardiac Progenitor Cells into Cardiac Conduction Cells for Heart Repair; \$30,000
- BCM CVRI Pilot Grant; Mechanisms of Lamin A/C-mediated cardiac conduction defects; \$15,000



Larry Scott, Jr., from the Li Lab, successfully defended his dissertation, "The Role of Inflammasome in the Development of Atrial Fibrillation," and received his PhD on December 16, 2020. Dr. Na Li was his mentor and advisor.

Xinchun Pi, PhD

- NIH/National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); Metabolic Crosstalk through Vascular Endothelium-Secreted Factors; \$1,200,000
- Baylor College of Medicine; Baylor Interim Funding Award; \$34,000

Vinod Vijayan, PhD

- NIH/NCI; Platelet Serine/Threonine Phosphatases in Cancer Pathophysiology; \$1,800,000

Salim Virani, MD, PhD

Publications

- *Ageing Research Reviews* (IF: **10.895**): 1
- *American Journal of Kidney Diseases* (IF: **8.860**): 1
- *American Journal of Public Health* (IF: **9.308**): 1
- *American Heart Journal* (IF: **4.749**): 2
- *American Journal of Medicine* (IF: **4.965**): 9
- *Annals of Internal Medicine* (IF: **25.391**): 1
- *Annual Review of Medicine* (IF: **12.457**): 1
- *Arteriosclerosis, Thrombosis, and Vascular Biology* (IF: **8.311**): 2
- *Atherosclerosis* (IF: **5.162**): 3
- *Blood* (IF: **22.113**): 1
- *Cancer Research* (IF: **12.701**): 1
- *Cardiovascular Research* (IF: **10.787**): 1
- *Circulation Research* (IF: **17.367**): 1

- *Circulation: Cardiovascular Quality and Outcomes* (IF: **5.882**): 1
- *Circulation* (IF: **29.690**): 6
- *Clinical Chemistry* (IF: **8.327**): 3
- *Current Atherosclerosis Reports* (IF: **5.113**): 5
- *Diabetes* (IF: **9.461**): 2
- *Diabetes Care* (IF: **19.112**): 5
- *European Heart Journal-Cardiovascular Pharmacotherapy* (IF: **6.617**): 2
- *European Journal of Preventive Cardiology* (IF: **7.804**): 6
- *European Heart Journal* (IF: **29.983**): 3
- *Frontiers in Cell and Developmental Biology* (IF: **6.684**): 1
- *Frontiers in Cardiovascular Medicine* (IF: **6.050**): 1
- *GeroScience* (IF: **7.713**): 1
- *Heart* (IF: **5.994**): 1
- *Human Molecular Genetics* (IF: **6.150**): 1
- *Hypertension* (IF: **10.190**): 2
- *Immunology* (IF: **7.397**): 1
- *International Journal of Obesity* (IF: **5.095**): 1
- *International Journal of Cardiology* (IF: **4.164**): 1
- *JACC: Heart Failure* (IF: **12.035**): 1
- *JACC: CardioOncology* (IF: **6.250**): 1
- *JAMA Cardiology* (IF: **14.676**): 8
- *JAMA Internal Medicine* (IF: **21.873**): 1
- *JAMA Network Open* (IF: **8.483**): 2
- *JAMA* (IF: **56.272**): 2
- *Journal of Global Health* (IF: **4.413**): 1
- *Journal of Alzheimer's Disease* (IF: **4.472**): 1
- *Journal of the American College of Cardiology* (IF: **24.094**): 6
- *Journal of Clinical Endocrinology & Metabolism* (IF: **5.958**): 3
- *Journal of the American Geriatrics Society* (IF: **5.562**): 2
- *Journal of the American Heart Association* (IF: **5.501**): 6
- *Journal of Immunology* (IF: **5.422**): 1
- *Journal of the American Society of Echocardiography* (IF: **5.251**): 1
- *Journal of Clinical Lipidology* (IF: **4.766**): 4
- *Journal of General Internal Medicine* (IF: **5.128**): 1
- *Journal of Personalized Medicine* (IF: **4.945**): 1
- *Lancet Diabetes & Endocrinology* (IF: **32.069**): 1
- *Mayo Clinic Proceedings* (IF: **7.616**): 1
- *Nature Communications* (IF: **14.919**): 2
- *Nature Genetics* (IF: **38.330**): 1
- *Nephrology Dialysis Transplantation* (IF: **5.992**): 1
- *Neuroimage* (IF: **6.556**): 1
- *Obesity* (IF: **5.002**): 2

- *Progress in Cardiovascular Diseases* (IF: **8.194**): 2
- *Reviews in Medical Virology* (IF: **6.989**): 1
- *Scientific Reports* (IF: **4.379**): 1
- *Stroke* (IF: **7.914**): 1

Books and Book Chapters

Christie Ballantyne, MD

- Lipid-modifying drugs. In: *Opie's Cardiovascular Drugs: A Companion to Braunwald's Heart Disease*

Vijay Nambi, MD, PhD

- Lipid management. In: *Cardiology Secrets*
- Carotid artery disease. In: *Cardiology Secrets*

Salim Virani, MD, PhD

- Prevention: Atherosclerotic Cardiovascular Disease Risk Assessment. In: *Adult Clinical Cardiology Self-Assessment Program (ACCSAP)*

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.

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 people 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 the 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.

SECTION OF ENDOCRINOLOGY, DIABETES AND METABOLISM

SECTION ACCOMPLISHMENTS

- In 2021, our faculty were awarded four additional federal grants from the NIH and one from the Veterans Administration. Thanks to this, we rank second in NIH-funded grants awarded to the Department of Medicine's divisions and centers.
- Our faculties have been published in some of the top scientific journals, including *Nature*, and some of the top journals related to our discipline, such as *Diabetes*, the *Journal of the Endocrine Society*, *Endocrinology* and the *Journal of Clinical Endocrinology and Metabolism*.
- During the last year, our effort at Baylor Clinic has significantly increased after recruiting four additional endocrinologists.
- Dr. Ruchi Gaba became the new co-director of the Thyroid and Parathyroid Center at the Baylor Clinic in the Dan L Duncan Comprehensive Cancer Center.
- Dr. Bahar Force became the new medical director of the Pituitary Center at Baylor Clinic in Neurosurgery.
- Clearly and despite these trying times, our faculty remain committed to advancing the science and clinical practice of endocrinology, diabetes & metabolism to the next level.



INTERIM SECTION CHIEF

Marco Marcelli, MD

FACULTY

Section Leadership

- Marco Marcelli, MD, Interim Chief; Medical Director, Michael E. DeBakey VA Medical Center
- Mandeep Bajaj, MD, Medical Director, Faculty Group Practice
- Ashok Balasubramanyam, MD, Vice President for Academic Integration and Senior Associate Dean for Academic Affairs, Baylor College of Medicine
- Nalini Ram, MBBS, Chief of Endocrine Service, Ben Taub Hospital
- Sanjay Mediwala, MD, Endocrine Fellowship Program Director
- Ruchi Gaba, MBBS, Endocrine Fellowship Program Deputy Director
- Siripoom McKay, MD, Medical Director, Young Adult Diabetes Clinic
- Bahar Force, MD, Medical Director, Pituitary Center, Baylor Clinic

Faculty

Professor

- Mandeep Bajaj, MD
- Ashok Balasubramanyam, MD
- Marco Marcelli, MD
- Massimo Pietropaolo, MD
- Nalini Ram, MB, BS
- Dennis Villareal, MD

Associate Professor

- Michael Liebschner, PhD
- Pradip Saha, PhD
- Rajagopal Sekhar, PhD
- Susan Leanne Samson, MD, PhD
- Zheng Sun, PhD
- Reina Villareal, MD

Assistant Professor

- Sara Bedrose, MD
- Jasmine Boparai, MB, BS
- Rui Chen, MD
- Dimpi Desai, MD
- Bahar Force, MD
- Ruchi Gaba, MB, BS
- Sean Hartig, PhD
- Bryan Jiang, MD
- Betty La, MD
- Siripoom McKay, MD
- Sanjay Navin Mediwalla, MD
- Ha Nguyen, MD

- Elina Trofimovsky, MD
- Madhuri Vasudevan, MD, MPH
- Li Zhang, MD, PhD, MSc

Instructor

- Maria Acevedo, PhD
- Neeti Agarwal, PhD
- Richard Cox, PhD
- Emilia Cordero, MS
- Nancy Greta Rene Dufrane, MPH, MSN
- Wenjun Zhou, PhD

Secondary

- David Moore, PhD
- Kazuhiro Oka, PhD, MS
- Bert O'Malley, MD
- Joanne Richards, PhD
- Jeffrey Rosen, PhD
- Ming-Jer Tsai, PhD
- Sophia Tsai, PhD

Adjunct

- Fareed Elhaj, MD
- Robert Gagel, MD
- Jose Manuel Garcia, MD, PhD
- Dinakar Iyer, PhD, MS
- Medhavi Jogi, MD
- Steven Sherman, MD
- Vijay Yechoor, MB, BS

HONORS AND ACHIEVEMENTS

Mandeep Bajaj, MD

- 2020 Top Doctor (Endocrinology), *Houstonia* magazine
- 2021 Top Doctor (Endocrinology), *Houstonia* magazine
- BCM Master Clinician Award 2021

Ashok Balasubramanyam, MD

- Chair, American Board of Endocrinology, Metabolism and Diabetes
- Councilor, American Board of Internal Medicine

Sara Bedrose, MD

- New faculty: Assistant Professor, Department of Medicine, Baylor College of Medicine

Richard Cox, PhD

- Reviewer, *Diabetes*

Bahar Force, MD

- New faculty: Assistant Professor, Department of Medicine, Baylor College of Medicine
- Medical Director, The Pituitary Center, Baylor College of Medicine

Ruchi Gaba, MB, BS

- Norton Rose Fulbright Award for Teaching and Evaluation
- Women in Excellence Award
- Best Teacher Award by Endocrinology Graduating Fellows of 2021
- 2021 Top Doctor (Endocrinology), *Houstonia* magazine
- Member of Planning Committee for Texas Endocrine Association

Sean Hartig, PhD

- 2020 Nancy Chang, PhD Award for Research Excellence
- Editorial Board, *Diabetes*
- Mail Reviewer, NIDDK DPI Catalyst Award Special Emphasis Panel
- Ad-hoc member, Pathophysiology of Obesity and Metabolic Disease Study Section
- Abstract reviewer, The Endocrine Society's 102nd Annual Meeting (virtual)

Betty La, MD

- New faculty: Assistant Professor, Department of Medicine, Baylor College of Medicine
- Case report published: La B., Tung C., Choi E., Nguyen H., "A Gigantic Uterine Leiomyoma and Big Bilateral Adrenal Myelolipomas as a Result of Untreated Congenital Adrenal Hyperplasia," AACE Clinical Case Reports

Marco Marcelli, MD

- Editorial Board, *Journal of Investigative Medicine*
- Speaker, 2021 Endocrine University
- Member, Department of Medicine FAP Committee
- Fellow, Southern Society Clinical Investigation

Massimo Pietropaolo, MD

- Associate Editor, *Diabetes*
- Associate Editor, *PLoS One*
- Member, Immunology, Immunogenetics, & Transplantation Interest Group Team for the 2021 Annual Conference of the American Diabetes Association

- Reviewer, R01 applications, NIH/NIDDK; RFA-DK-20-021 “Mechanistic Studies of the Interaction between SARS-CoV-2/COVID-19 and Diseases and Organ Systems of Interest to NIDDK
- Reviewer, T32, R21 and R03 applications, NIH/NIDDK; Endocrinology and Metabolic Diseases B Subcommittee, DDK-B

Nalini Ram, MB, BS

- Director, MS2-2 Endocrine Course
- Director, Endocrine Elective Course
- America’s Best Physician
- Castle Connolly Top Doctor
- Castle Connolly Exceptional Women in Medicine

Rajagopal Sekhar, MD

- Reviewer, NIH applications
- Speaker, Brazilian Congress of Geriatrics National Conference
- Speaker, European Geriatrics Society International Conference
- Speaker, Gerontological Society of America National Conference

Dennis Villareal, MD

- Associate Editor, *Journal of Nutrition in Geriatrics and Gerontology*
- VA Merit Grant Reviewer, Clinical Science Research and Development
- NIH/NIA Clinical Trials Advisory Panelist
- Member, Data and Safety Monitoring Board – Empower, Force and Zest II
- Chairperson, Data and Safety Monitoring Board – Intercede

Reina Villareal, MD

- Associate Editor, *Frontiers in Endocrinology*
- Member, Endocrinology-Bone Merit Scientific Review, Office of Research and Development, Department of Veterans Affairs
- Scientific Reviewer, Clinical Trials (R01) Review Panel, Special Emphasis Panel, NIH/NIA
- Scientific Reviewer, Integrated Integrative and Clinical Endocrinology and Reproduction Study Section, NIH
- Scientific Reviewer, Rehabilitation Research and Development Service grant proposals, Office of Research and Development, Department of Veterans Affairs

Wenjun Zhou, PhD

- Member, American Diabetes Association Membership

RESEARCH ACTIVITIES

Grants

Sean Hartig, PhD

- NIH/NIDDK; Role of FGF21 in the pathogenesis of HIV-associated metabolic disease; \$218,197
- Nancy Chang, PhD, Award for Research Excellence; \$30,000

Massimo Pietropaolo, MD

- NIH/NIDDK; Enhancement of biomarkers for Type 1 diabetes; \$470,841.
- NIH/NIDDK; Utilizing islet autoantibody signatures for precision medicine in Type 2 diabetes; \$59,275

Zheng Sun, PhD

- NIH/NHLBI; Cardiac circadian clock and dilated cardiomyopathy; \$1,200,000
- NIH/NIA; Circadian clock gene Rev-erb in memory dysfunction in Alzheimer's disease, \$1,000,000
- NIH/NIA; Enduring effects of high estrogen on Alzheimer's disease; \$200,000

Rajagopal Sekhar, MD

- NIH/NIA; Glutathione, brain metabolism and inflammation in Alzheimer's disease; \$4,014,755.
- NIH/NIA; Trial of GlyNAC in older adults with COVID-19: Glutathione, inflammation and recovery; \$520,848

Dennis Villareal, MD

- NIH; Does lifestyle intervention in obese older adults improve bone quality?; \$2,439,619
- VA Merit Grant; Lifestyle intervention plus metformin to treat frailty in older veterans with obesity; \$1,197,250

Reina Villareal, MD

- VA; Hormonal intervention for the treatment in veterans with COVID-19 requiring hospitalization; \$148,949

Wenjun Zhou, PhD

- ADA; Regulation of hepatic insulin sensitivity by the hypothalamic circadian clock; \$67,742

Publications

- *Advanced Science* (15.656), 2
- *American Journal of Human Genetics* (10.5), 1
- *Annual Reviews of Medicine* (9.72), 1
- *Biomedicines* (6.3), 1
- *Brain* (13.5), 1
- *Circulation* (23.6), 1
- *Clinical and Translational Medicine* (11.5), 1
- *Diabetes* (7.72), 8
- *Diabetes Care* (16.2), 3
- *Diabetologia* (10.1), 1
- *EBioMedicine* (8.143), 2
- *Endocrinology* (4.736), 1
- *Genetics in Medicine* (10.45), 6
- *Journal of Clinical Endocrinology and Metabolism* (5.958), 8
- *Journal of Gerontology and Biological Science Medicine Science* (6.053), 1
- *Journal of Neuroscience* (6.167), 1
- *Journal of Nutritional Biochemistry* (6.048), 1
- *Journal of the Endocrine Society* (19.871), 1
- *Liver International* (4.5), 1
- *Molecular Metabolism* (7.422), 3
- *Nature* (42.778), 2
- *Nature Communications* (11.878), 1
- *Nucleic Acids Research* (16.971), 1
- *Pediatric Diabetes* (4.267), 2
- *Scientific Data* (5.54), 1
- *Translational Psychiatry* (5.2), 2
- *Trends in Endocrinology and Metabolism* (7.71), 2

Books and Book Chapters

Ashok Balasubramanyam, MD

- Winograd D, Mody AN, Balasubramanyam A, Samson SL. Genetics of Diabetes and Endocrine Disorders. In: *Handbook of Genetic Disorders: A Practical Approach*

Ruchi Gaba, MB, BS

- International Ophthalmology Clinics. *Primer on Graves' Disease—What the Ophthalmologist Should Know and Do*
- *Hyperaldosteronism-Conn's Current Therapy*

Rajagopal V. Sekhar MD

- Lipodystrophy. In: *Fundamentals of HIV Medicine*
- Endocrine and Metabolic disorders. In: *Fundamentals of HIV Medicine*

CENTERS

Thyroid and Parathyroid Center

The **Thyroid and Parathyroid Center** is a world-class medical facility in Houston where patients can be seen simultaneously by a surgeon and endocrinologist for treatment of both benign and malignant tumors of the thyroid, parathyroid, adrenal, and endocrine pancreas. World-renowned endocrinologists work closely with a multidisciplinary team, including specialists in surgery, radiology, pathology, nuclear medicine, ear/nose/throat and oncology to provide you a personal treatment plan, all under one roof. These doctors work together for one, cohesive treatment plan. From routine medical endocrinology to complex cancer care, to surgery of the thyroid, parathyroid, adrenal and endocrine pancreas, the Thyroid & Parathyroid Center offers the highest-quality patient care with excellent outcomes. The center is located at the Baylor St. Luke's Medical Center's Dan L Duncan Comprehensive Cancer Center at McNair Campus.

SECTION OF EPIDEMIOLOGY AND POPULATION SCIENCES

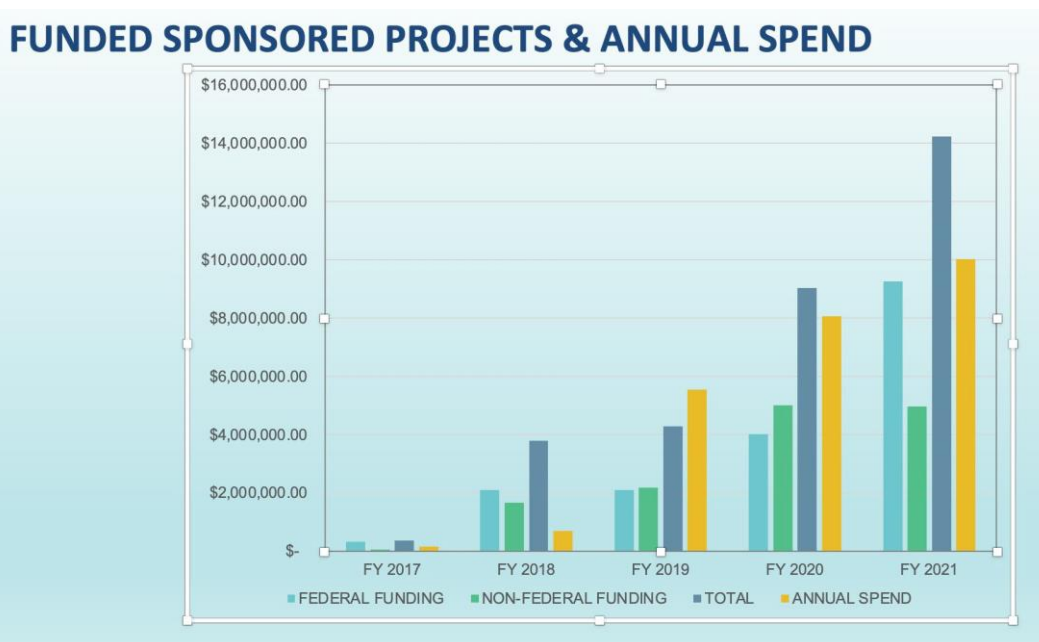
SECTION ACCOMPLISHMENTS

- The section was awarded a new Cancer Prevention Research in Texas (CPRIT) training award Systems Epidemiology for Cancer Training Program
- In 2020, the ICTR Biostatistics group collaborated with investigators on 263 unique, new research projects across departments of Medicine, Pediatrics, Radiology, Anesthesiology, Obstetrics & Gynecology, Molecular and Human Genetics, Surgery, Ophthalmology, Neurology, Dermatology, Orthopedic Surgery, Emergency Medicine, Urology, Family & Community Medicine, Physical Medicine and Rehabilitation, Otolaryngology, Psychiatry & Behavioral Sciences, and others
- The section's annual funding for fiscal year 2021 was \$14.3 million dollars. Of this award, \$3.5 million dollars was funded by CPRIT



INTERIM SECTION CHIEF

Chris Amos, PhD



Annual funding for past five years.

- Researchers in the section participated in Covid-19 research, including the Community Prevalence of SARS-CoV-2 Study (COMPASS—COVPN5002) and the NIH Community Engagement Alliance Against COVID-19 Disparities study



COVID-19 research study site.

FACULTY

Interim Chief

- Christopher Amos, PhD

Professor

- Yong Li, PhD
- Margaret Spitz, MD

Associate Professor

- Aaron Thrift, PhD
- Bo Peng, PhD
- Chao Cheng, PhD
- Hoda Badr, PhD
- Ivan Gorlova, PhD
- Kristina Whitworth, PhD
- Olga Gorlova, PhD

Assistant Professor

- Charles Minard, PhD

- Jinyoung Byun, PhD
- Younghun Han, PhD
- Yafang Li, PhD
- Yanhong Liu, PhD
- Abiodun Oluyomi, PhD
- Tuna Musaffe, PhD

Instructor

- Xinfang Yu, PhD

Postdoctoral Associates

- Alexander Renwick, PhD
- Chongming Jiang, PhD
- Chunmei Fan, PhD
- Jian-Rong Li, PhD
- Maral Adel Fahmideh, PhD
- Navid Sobhani, PhD
- Quinn Ostrom, PhD
- Syed Ahsan Raza, MD, PhD

- Wei-Jen Chen, PhD
- Wei Hong, PhD
- Wei Li, PhD
- Wilson Da Costa Jr. MD, PhD
- Xiaotao Zhang, PhD
- Xinfang Yu, PhD
- Yadong Dong, PhD
- Zhihui Zhang, PhD

Secondary Appointments

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

Adjunct Appointments

- Elmer Bernstam, PhD

HONORS AND ACHIEVEMENTS

Chris Amos, PhD

- Board of Scientific Counselors, National Institute for Environmental Health Science
- American Association of Cancer Research/American Cancer Society Award for Excellence in Cancer Prevention
- Board of Advisors, University of Michigan, Rogel Cancer Center
- Editorial Board, Genes and Immunity
- Editorial Board, Human and Molecular Genetics
- Served as the co-national leader of the COVPN-5002 COMPASS study
- Served on the national Needs and Assessment Working Group of the NIH Community Engagement Alliance Against COVID-19 Disparities

Hoda Badr, PhD

- Fellow at the 2020-2021 Hedwig van Ameringen Executive Leadership in Academic Medicine Program for Women, 09/2020-07/2021

Aaron Thrift, PhD

- Associate Editor, Clinical Gastroenterology and Hepatology
- Member, Clinical Guidelines Committee, American Gastroenterological Association Institute

Jinyoung Byun, PhD

- Teaching Activities: 2020 Spring GS-GG_6301_4_DIDAC Bioinformatics & Genomic Analysis – Term 4 AY19
- 2020 Fall GS-GS_6400_1_DIDAC Foundations B: Biostatistics – Terms 1&2 AY20

Chao Cheng, PhD

- Lecturer, GS-QC-5105: Seminar in Quantitative Biosciences (Graduate students)
- Lecturer, QCB: Advanced topics (Graduate students)
- Lecturer, GS-GG-6301: Bioinformatics and Genomic Analysis (Graduate students)

Yafang Li, PhD

- Instructor in Foundation B course for graduate students

Yanhong Liu, PhD

- Presented the first-authored work “Immunogenetic determinants of head and neck cancer in Veterans in the Million Veteran Program cohort” at the American Association for Cancer Research annual meeting
- Published one first-authored paper in NPJ Precision Oncology: Rare deleterious germline variants and risk of lung cancer
- PI of a newly awarded NCI R03 project, “Evaluating the impact of metatranscriptomic and immunological features in early-stage lung cancer”

Charles Minard, PhD

- Chief Biostatistical Consultant for the Institute for Clinical and Translational Research
- 2019-20 GSBS Best Course in GS/Foundational Courses, Co-Director Foundations B: Biostatistics
- Senior Statistician for the Phase 1/Early Phase 2 Pilot Consortium studies with the Children’s Oncology Group
- Institutional Review Board #3 Biostatistician
- Faculty Senator for Institute for Clinical and Translational Research

Abiodun Oluyomi, PhD

- BCM Career Advancement Series Candidate, Assistant Professors Category
- Member, Policy Advisory Committee of North American Chapter, International Society for Environmental Epidemiology
- Guest lecturer and panelist, “Asthma, social determinants of health, and mobile health (mHealth) technology. An environmental health case history” as part of a 1st-year medical degree course on The Social Determinants of Health, at the Engineering Medicine program, Texas A&M University
- Lecturer, NIEHS T32 Training Program; Precision Environmental Health, Faculty Mentor
- Scholarship Oversight Committee for Maria Castellanos, MD, Pediatric Hematology/Oncology Fellow at Texas Children's Hospital
- Scholarship Oversight Committee for Danielle Gonzalez, MD, Neonatal-Perinatal Medicine Fellowship, Baylor College of Medicine

Syed Ahsan Raza, PhD

- Podcast guest, “Patterns of Infectious Disease and Cancer: Syed Ahsan Raza Fights Disease through Epidemiology” by Richard Jacobs, Host, Finding Genius Podcast, June 13, 2020

Navid Sobhani, PhD

- Thesis published: The predictive role of the immune system for response to therapy - and survival in patients with solid tumors

Xiaotao Zhang, PhD

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

RESEARCH ACTIVITIES**Grants****Chris Amos, PhD**

- NIH Community Engagement Alliance (CEAL) 1OT2HL158258-01; Texas CEAL Consortium (part of Against COVID-19 Disparities); \$315,115 (subcontract to UNTHSC)
- 3UM1AI148575-02S2; Vaccine and Treatment Evaluation Units (VTEU) S2; \$1,363,461
- 5U01CA243483; Sequencing Familial Lung Cancer; \$2,796,500
- R01CA217105; Discovery, Biology and Risk of Inherited Variants in Glioma; \$593,750

Hoda Badr, PhD

- P30 CA125123-14S7; Improving coordination and delivery of financial navigation services at the DLDDCC; \$150,000

Chao Cheng, PhD

- NIH/NIEHS 5R01ES031511; Systems-wide analysis of oxidative stress-responsive m6A epitranscriptome; \$2,011,540 (co-I, \$860,000 subaward to BCM)

Yafang Li, PhD

- 1R21CA235464 (NIH/NCI); Genetic Interaction Analysis Involving Oncogenesis Related Genes in Lung Cancer; \$169,149

Yong Li, PhD

- NIH; TP53 Germline Mutations: Beyond LFS; \$366,000
- NIH; Dietary Carcinogens for Colorectal Cancer; \$366,000
- CPRIT; Comprehensive Analyses of Cancer Etiological Factors; \$1,100,000
- NIH; Polycyclic aromatic hydrocarbons: ultrasensitive detection, early life exposures-clinical outcomes (preterm births, chronic lung disease, and neurocognitive deficits), prevention and remediation; \$10,000
- International Waldenstrom's Macroglobulinemia Foundation; Direct targeting the MYD88 L265P driver mutation in Waldenstrom's Macroglobulinemia; \$200,000

Yanhong Liu, PhD

- NCI R03; Evaluating Etiological Impact of Metatranscriptomic and Immunological Features for Lung Cancer; \$100,000

Charles Minard, PhD

- OT2HL155038; Biomarkers for gene-based therapy, National Heart, Lung, and Blood; \$409,398
- NIH Eunice Kennedy Shriver National Institute of Child Health & Human Development P50 HD103555; Baylor College of Medicine Intellectual and Developmental Disabilities Research Center; \$1,251,099

Bo Peng, PhD

- R01HG008972; Computational tools for sequence-based large-scale epidemiology studies; \$60,000

Aaron P. Thrift, PhD

- CPRIT RP200537; Genetic Epidemiology of Hepatocellular Carcinoma in Hispanics; \$2,437,314

Publications

- *Alimentary Pharmacology & Therapeutics* (7.731): 1
- *American Journal of Gastroenterology* (10.383): 1
- *American Journal of Hematology* (7): 1
- *Am Journal of Respiratory and Critical Care Medicine* (21.4): 1
- *Anesthesia and Analgesia* (4.3): 1
- *Annals of Surgical Oncology* (4.2): 2
- *Biomedicines* (4.7): 1
- *Blood Advances* (4.9): 2
- *Blood Cancer Journal* (8.023): 1
- *Cancer Communications* (5.627): 2
- *Cancer Epidemiology and Biomarkers* (4.561): 10
- *Cancer Immunology Immunotherapy* (5.442): 1
- *Cancer Letters* (7.36): 1
- *Cancer Research* (12.7): 1
- *Cancers* (6.126): 4
- *Carcinogenesis* (4.546): 3
- *Cellular and Molecular Life Sciences* (6.496): 1
- *Clinical Cancer Research* (12.5): 2
- *Clinical Gastroenterology and Hepatology* (8.549): 3
- *Clinical Nutrition* (7.324): 1
- *Clinical and Translational Medicine* (7.919): 1
- *Diabetes Research and Clinical Practice* (5.6): 1
- *Diabetes Technology and Therapeutics* (6.1): 1

- *Drug and Alcohol Dependence* (4.492): 1
- *Expert Review in Clinical Pharmacology* (5): 1
- *FASEB Journal* (4.966): 2
- *Frontiers in Immunology* (6.429): 1
- *Frontiers in Oncology* (5.66): 3
- *Gastroenterology* (20.877): 4
- *Genome Research* (11.093): 1
- *Hepatology* (14.679): 1
- *Human Mutation* (4.878): 2
- *International Journal of Cancer* (5.145): 4
- *International Journal of Molecular Science* (5.9): 4
- *JAMA Oncology* (31.8): 1
- *JCI Insight* (8.3): 1
- *Journal of Cancer Survivorship* (4.442): 1
- *Journal of Hematology Oncology* (11.059): 2
- *Journal of Medical Internet Research* (5.4): 1
- *Journal of the National Cancer Institute* (12.589): 1
- *Journal of Neuro-Oncology* (4.13): 1
- *Laboratory Investigation* (4.857): 2
- *Molecular Cancer* (15.302): 2
- *Molecular Cancer Research* (4.63): 2
- *Molecular Oncology* (6.574): 1
- *Nature Communications* (12.121): 4
- *Nature Genetics* (38.33): 1
- *Nature Machine Intelligence* (16.65): 1
- *Nature Partner Journals Precision Oncology* (9): 1
- *Oncogenesis* (6.119): 1
- *Pain* (6.02): 1
- *Pediatric Allergy and Immunology* (4.1): 1
- *Pediatric Diabetes* (4.3): 1
- *Proceedings of the National Academy of Sciences* (9.412): 1
- *Science* (41.845): 1
- *The Journal of Nutrition* (4.798): 1

Books and Book Chapters

Hoda Badr, PhD

- Couple-relationships and Cancer Adaptation. In: *Wiley Encyclopedia of Health Psychology: Volume II, The Social Bases of Health Behavior*

Aaron P. Thrift, PhD

- Epidemiology and global impact: is esophageal cancer on the rise? In: *WGO Handbook on Early Diagnosis and Treatment of GI Cancer*

Wilson Luiz da Costa Jr., MD, MPH, PhD

- Prognostic factors of colorectal liver metastasis. In: *Colorectal Cancer Liver Metastases*

Xiaotao Zhang, PhD

- Diet, Microbiome, Inflammation, and Cancer. In: *Inflammation, Infection, and Microbiome in Cancers. Physiology in Health and Disease*

CENTERS

Institute for Clinical and Translational Research

The **Institute for Clinical and Translational Research (ICTR)** managed scientific review for all new human subjects protocols to evaluate the scientific and institutional value, prioritize studies, and expedite their deployment in clinical venues. ICTR also helped to deploy the Datathon, which provided data for quality improvement- and population science-related studies. Data were provided from the Faculty Group Practice and Baylor College of Medicine data and Baylor St. Luke's Medical Center to qualifying investigative teams (chosen after committee review). Next year, the Datathon will also embrace research-related projects. The ICTR facilitated the purchase of i2b2, a software environment that facilitates access to de-identified population-level information about cohorts derived from the faculty group practice at Baylor College of Medicine and Baylor St. Luke's Medical Center. The ICTR also organized training programs for i2b2 and slicer/dicer, software used by clinicians for similar purposes of identifying patients for studies.

SECTION OF GASTROENTEROLOGY AND HEPATOLOGY

SECTION ACCOMPLISHMENTS

- Ranked among the top 10 Gastroenterology and Hepatology divisions nationally according to *U.S. News & World Report* – Best Universities for Gastroenterology and Hepatology and #1 in Texas. These rankings are based on performance across a set of widely accepted indicators measuring excellence in research, publications, and scientific reputation overall.
- The Section remains a leader in research in gastrointestinal and liver diseases. Our members published 207 papers in scientific journals (up from 175 last year). Of these, 115 were in high-impact journals. We had more than \$10.7 million in research funding in 2021 (\$6.6 million from the NIH and \$2.2 million from State), up from \$7.6 million last year.
- The Section is the clinical home for the NIH-funded Digestive Disease Center, one of 17 federally funded centers focusing on research in GI diseases. We also serve as the coordinating center for the new Texas Collaborative Center for Hepatocellular Cancer (TeCH), a platform to promote collaboration among scientists, clinicians, community leaders and policy makers to reduce liver cancer mortality in Texas.
- Section members are in key leadership positions, ranging from serving in the Faculty Senate at the College level to the editorship of *Clinical Gastroenterology and Hepatology*, one of the major clinical journals in the field. They also have received special accolades. Dr. David Graham received the highly prestigious William Beaumont Prize in Gastroenterology from the American Gastroenterological Association (AGA). Dr. Hashem El-Serag was named as one of the world's most influential researchers in 2020.
- Despite the pandemic, we grew in our clinical and education missions. Our top-notch faculty provide high-quality, compassionate healthcare at Baylor St. Luke's Medical Center (BSLMC), Ben Taub Hospital and the Michael E. DeBakey Veterans Affairs Medical Center. BSLMC ranked nationally at No. 24 for gastroenterology this year, maintaining its trajectory over the last three years. We expanded our footprint outside the Texas Medical Center by establishing general GI practice at St. Luke's Hospital, Sugar Land. We continue to introduce important innovations in our practices, including cutting-edge advanced endoscopic procedures and multidisciplinary treatment of complex GI disorders. We play an important role in training future clinicians and researchers. We are especially proud of our fellows and faculty who stepped up and volunteered to support our colleagues in the COVID units during the summer pandemic peak.
- Several new faculty members joined the Section last year. Five faculty members received College-wide clinician awards.
- We hosted a successful Annual Baylor College of Medicine (BCM) GI and Hepatology Course in March 2021.



SECTION CHIEF

***Fasiha Kanwal, MD,
MSHS, AGAF, FAASLD***

FACULTY

Section Leadership

- John Vierling, MD, FACP, Chief of Hepatology, Director of Baylor Liver Health
- Fred Sutton, MD, Service Chief, Ben Taub Hospital
- Jason Hou, MD, MS, FACG, Section Chief, Michael E. DeBakey VA Medical Center
- Kalpesh Patel, MD, Medical Director, BCM
- Milena Suarez, MD, Program Director, Gastroenterology Fellowship, BCM
- Jason Mills, MD, PhD, Vice Chief, Research, BCM
- Mohamed Othman, MD, Chief of GI, BSLMC
- Rise Stribling, MD, Medical Director for Liver Transplantation
- Avinash Ketwaroo, MD, Director of Quality Improvement, BCM

Faculty

Baylor Medicine

Professor

- Sharmila Anandasabapathy, MD
- Hashem El-Serag, MD, MPH
- Fasiha Kanwal, MD, MSHS, AGAF, FAASLD
- Waqar Qureshi, MD, FACP, FACG, FRCP

Associate Professor

- Jason Hou, MD, MS, FACG
- Manreet Kaur, MD
- Mohamed Othman, MD
- Kalpesh Patel, MD

Assistant Professor

- Wasif Abidi, MD, PhD
- Suneal Agarwal, MD
- Andrea Bradford, PhD
- Reena Chokshi, MD
- Salmaan Jawaaid, MD
- Lukasz Kwapisz, MD, FRCPC
- Nabil Mansour, MD
- Jordan Shapiro, MD
- Rehman Sheikh, MD

Ben Taub Hospital

Professor

- Hemant Roy, MD

Associate Professor

- Chris Pappas, MD, JD, FCLM, FAASLD
- Melina Suarez, MD
- Fred Milton Sutton Jr, MD

Assistant Professor

- Maya Balakrishnan, MD
- RJ Sealock, MD
- Richa Shukla, MD
- Mimi Chang Tan, MD

Hepatology

Professor

- F. Blaine Hollinger, MD
- John Vierling, MD, FACP

Associate Professor

- Ayse Leyla Mindikoglu, MD, MPH
- Gagan Sood, MD
- Rise Stribling, MD

Assistant Professor

- George Cholankeril, MD
- Prasun Jalal, MD
- Saira Khaderi, MD, MPH

Research**Professor**

- Jason Mills, MD, PhD

Associate Professor

- Ru Chen, PhD
- Loning Fu, PhD
- Antone Opekun, PA-C
- Noah Shroyer, PhD

Assistant Professor

- Yan Liu, PhD

Michael E. DeBakey VA Medical Center**Professor**

- Hashem El-Serag, MD, MPH
- David Graham, MD, MACG
- Fasiha Kanwal, MD, MSHS, AGAF, FAASLD

Associate Professor

- Rhonda Cole, MD
- Jason Hou, MD, MS, FACG

Assistant Professor

- Avegail Flores, MD
- Clark Hair, MD
- Ruben Hernaez, MD, MPH, PhD
- Nisreen Husain, MD
- Hoda Malaty, MD, MPH, PhD, FACG
- Maria-Ellinore Jarbrink-Sehgal, MD
- Avinash Ketwaroo, MD
- Natalia Khalaf, MD
- Yamini Natarajan, MD

Physician

- Maria Velez, MD

HONORS AND ACHIEVEMENTS**Maya Balakrishnan, MD**

- Star Patient Care Award

Reena Chokshi, MD

- Early Career Faculty Award for Excellence in Patient Care

Hashem El-Serag, MD, MPH

- Most Cited Authors

David Graham, MD, MACG

- 2021 William Beaumont Prize

Ruben Hernaez, MD, MPH, PhD

- Early Career Faculty Award for Excellence in Patient Care

Fasiha Kanwal, MD, MSHS

- Co-Chair of AGA GI Division Chief's Consortium

Avinash Ketwaroo, MD

- Early Career Faculty Award for Excellence in Patient Care

Saira Khaderi, MD

- 2021 Cohort BCM Advancement Series

Mohamed Othman, MD

- AGA Fellow (AGAF)

Kalpesh Patel, MD

- Star Patient Care Award
- World Endoscopy Organization Education Webinar Committee

Waqar Qureshi, MD, FACP, FACG, FRCP

- Education Committee of Texas Society of Gastrointestinal Endoscopy

Milena Suarez, MD, FACG

- Norton Rose Fulbright Faculty Excellence Award

Mimi Tan, MD

- BCM GI Fellowship Program Teaching Award
- BCM Admissions Interviewing Subcommittee Member

John Vierling, MD

- 2021 American Association for the Study of Liver Disease Distinguished Service Award

RESEARCH

Grants

Sharmila Anandasabapathy, MD

- NCI/NIH; A Low Cost Tethered Capsule Endoscope for Esophageal Cancer Screening; \$1,855,000

Kali Deans

- F31; The Role of Autophagy in Intestinal Regeneration; \$46,394

Fasiha Kanwal, MD

- Cancer Prevention Research in Texas (CPRIT); Reducing Disparities in the Risk of Hepatocellular Cancer; \$2,353,575
- Exact Science; The Texas Hepatocellular Carcinoma Consortium (THCCC). Risk Stratification for and Early Detection of Liver Cancer; \$3,460,530
- NIH/NCI; Multi-Level Evaluation of Racial/Ethnic Disparities in Liver Disease Outcomes; \$2,269,485

Jason Mills, MD

- NIH; Gene Therapy for GERD-Associated Esophageal Epithelial Barrier Dysfunction; \$31,798.00
- NSF GRFP; National Science Foundation Graduate Research Fellowship; \$48,333.33

Ayşe Mindikoglu, MD

- Roderick D. MacDonald Research Award; \$50,000

Hemant Roy, MD

- NCI; Area B: Minimally Invasive Colorectal Cancer Risk Stratification with Nanocytology: Targeting Underscreened Populations; \$225,734
- NCI; Microvasculature in Colon Field Carcinogenesis: Clinical-Biological Implications; \$242,024
- NSF EFMA; EFIR CEE: Macrogenomic Engineering via Modulation of Chromatin Nanoenvironment; \$30,000

Publications

- *American Journal of Gastroenterology* (IF **10.383**): 9
- *American Journal of Human Genetics* (IF **10.502**): 1
- *American Journal of Transplantation* (IF **7.163**): 2
- *British Journal of Cancer* (IF **5.791**): 2
- *Cellular and Molecular Gastroenterology and Hepatology* (IF **7.076**): 2
- *Clinical Gastroenterology and Hepatology* (IF **8.549**): 27
- *Clinical Infectious Diseases* (IF **8.313**): 2
- *Frontiers in Oncology* (IF **5.66**): 1
- *Gastroenterology* (IF **22.682**): 14
- *Gastrointestinal Endoscopy* (IF **5.369**): 14
- *Gut* (IF **19.819**): 5
- *Hepatology* (IF **17.425**): 2
- *Hepatology Communications* (IF **5.073**): 1
- *Journal of the American Medical Association* (IF **56.272**): 1
- *JAMA Internal Medicine* (IF **21.873**): 1
- *JAMA Network Open* (IF **8.483**): 5
- *JAMA Oncology* (IF **31.777**): 2

- *JAMA Surgery* (IF **14.766**): 2
- *Journal of Autoimmunity* (IF **7.641**): 1
- *Journal of Hepatology* (IF **20.582**): 10
- *Journal of the National Cancer Institute* (IF **12.589**): 1
- *Liver International* (IF **5.175**): 3
- *Molecular Oncology* (IF **6.574**): 1
- *Nature Communications* (IF **14.919**): 1
- *Nature Reviews Gastroenterology & Hepatology* (IF **29.848**): 2
- *New England Journal of Medicine* (IF **74.699**): 1
- *PLOS Pathogens* (IF **6.218**): 1
- *Tissue Engineering Part B Reviews* (IF **6.389**): 1

Books and Book Chapters

John Vierling, MD

- ME Gershwin, JM Vierling, A Tanaka, MP Manns (Eds). *Liver Immunology: Principles and Practice*, 3rd Ed.
- Graft-versus-Host Disease. In *Liver Immunology: Principles and Practice*, 3rd Ed.

CENTERS

Texas Medical Center Digestive Diseases Center

The Texas Medical Center Digestive Diseases Center (TMC DDC) facilitates cutting-edge digestive diseases research, promotes translational collaborative research between basic and clinical areas, develops new projects, nurtures new investigators, and provides GI educational activities. The TMC DDC is a federally funded center designed to serve basic and clinical scientists at institutions within the Texas Medical Center, including Baylor College of Medicine, The University of Texas Health Science Center at Houston and the MD Anderson Cancer Center. The TMC DDC is one of only 18 NIH-funded Digestive Diseases Research Core Centers in the country and the only center in the southeast United States.

Inflammatory Bowel Disease Center

The **Inflammatory Bowel Disease (IBD) Center**, led by Dr. Manreet Kaur, successfully provided uninterrupted care to thousands of IBD patients during the COVID pandemic by quickly creating a Telemedicine IBD Center. The group continues to lead in IBD research through more than a dozen ongoing clinical trials (Drs. Hou, Kaur, Shukla, and Kwapisz). The Motility Center, led by Dr. Reena Chokshi, achieved national recognition in August 2020 with its addition to the American Neurogastroenterology and Motility Society National Registry of GI Motility Labs.

Texas Collaborative Center for Hepatocellular Cancer

At the center of the CPRIT's Collaborative Action Program for Liver Cancer initiative, **The Texas Collaborative Center for Hepatocellular Cancer (TeCH)** was created at BCM to promote collaboration among Texas scientists, clinicians, community workers, healthcare administrators, and policy makers. The overall goal of TeCH is to reduce hepatocellular cancer

mortality in Texas by reducing the number of people who develop cancer or detecting it early, when it is curable. This Center helps researchers who study liver cancer connect with other researchers and share discoveries with doctors, the community, and the public to change healthcare. The Center has recruited many large healthcare providers in Texas who work with experts to turn discoveries into actions that doctors can take to prevent liver cancer or catch it early and use those actions in their hospitals.

SECTION OF GENERAL INTERNAL MEDICINE

SECTION ACCOMPLISHMENTS

- General Internal Medicine (GIM) is noted for having award-winning teaching faculty who impact medical students and internal medicine residents at Baylor College of Medicine (BCM), with faculty recipients of ten institution-wide educator awards, four institution-wide patient care awards, and four local community recognitions in AY20-21.
- Our educational leaders serve in numerous important roles, including School of Medicine Associate and Assistant Deans and Course Directors, as well as Associate Program Directors for BCM's internal medicine residency program.
- GIM faculty are innovative investigators funded to study diverse topics ranging from telehealth interventions in diabetes care to diagnostic errors to narrative medicine in the curriculum.
- GIM at Baylor Medicine (McNair Campus) is recognized by the Institute for Healthcare Improvement as a participant in becoming an Age-Friendly Health System.
- GIM faculty have served on the frontlines during the pandemic in both ambulatory care settings such as testing centers, vaccination efforts, and telehealth initiatives as well as inpatient COVID units and have led interdisciplinary COVID teams at each affiliate: Baylor St. Luke's Medical Center (BSLMC), Harris Health (Ben Taub Hospital/Smith Clinic), and the Michael E. DeBakey Veterans Affairs Medical Center (MEDVAMC).
- In FY21, across BCM's affiliates (Baylor Medicine, BSLMC, Harris Health (Ben Taub Hospital/Smith Clinic), and the VA (Prime Care and Inpatient), our GIM team has seen more than 30,000 clinic patients and had more than 100,000 inpatient encounters.



INTERIM SECTION CHIEF

Joslyn Fisher, MD, MPH

FACULTY

Section Leadership

Baylor Medicine (McNair)

- Daniel Murphy, MD, MBA, Medical Director

Baylor St. Luke's Hospitals

Medical Center

- Umar Waheed, MD, Executive Medical Director, Hospital Medicine, BSLMC
- Christopher Brann, MD, Associate Medical Director, Hospital Medicine, BSLMC
- Allison Heinen, DO, Associate Medical Director, Hospital Medicine, BSLMC

- Elie Jarrouge, MD, Associate Medical Director, Hospital Medicine, BSLMC

Sugar Land

- Surinder Kaul, MD, Medical Director, Hospital Medicine, CHI St. Luke's Health, Sugar Land Hospital

Vintage

- Shazia Sheikh, MD, Medical Director, Hospital Medicine, St. Luke's Health, The Vintage Hospital

Harris Health (Ben Taub Hospital and Smith Clinic)

- Joslyn Fisher, MD, MPH, Chief, SGIM, Harris Health (Ben Taub/Smith Clinic)
- Jennifer Chen, MD, Director, Hospital Medicine, Ben Taub General Hospital
- Lee Lu, MD, Medical Director, Smith Clinic and Director of Ambulatory Services GIM at HHS

Michael E. DeBakey Veterans Affairs Medical Center

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

Educational Leadership

Undergraduate Medical Education

- Rajeev Balchandani, MD, Associate Director, Patient Physician & Society 3
- Andrew Caruso, MD, Director, Core Clerkship
- Cara Foldes, MD, Director of Foundational Sciences
- Lindsey Gay, MD, Associate Director, Core Clerkship
- David Hilmers, MD; Colleen Keough, MD, MPH, Pathway Leadership, Global Health of Pathway Leadership
- Nadia Ismail, MD, Associate Dean of Curriculum
- Claudine Johnson, MD, Associate Director, D-DASH
- Lubna Khawaja, MD, Director/Coordinator, Internal Medicine UME Electives
- Anita Kusnoor, MD, Director, Patient, Physician, & Society 3 and Director, Medicine Sub-internship AND Chair, Baylor CPX Exam Committee and Vice Chair, Sub-Internship Committee
- Niraj Mehta, MD, Director, Ben Taub Hospital Bedside Physical Exam Rounds
- Lee Poythress, MD, Assistant Dean of Student Affairs
- Katie Scally, MD, Course Co-Director, Transition of Clinics

Graduate Medical Education

- Anoop Agrawal, MD Program Director, Medicine-Pediatrics Residency
- Jaime Rueda, MD, Associate Program Director, Medicine -Pediatrics Residency

- Erica Lescinskas, MD, Lee Lu, MD, Achilia Morrow, MD, MPH, Zaven Sargsyan, MD, Chirayu Shah, MD, Stephanie Sherman, MD, Associate Program Directors, Internal Medicine Residency Program

CME

- Joslyn Fisher, MD, MPH; Cara Foldes, MD, MPH, Co-Directors, GIM RSS (CME)
- Stephanie Sherman, MD, Faculty Educator Orientation Series, Co-Director

Faculty: General Internal Medicine

Harris Health System- Ben Taub Hospital and Smith Clinic

Professor

- David C. Hilmer, MD

Emeritus Faculty

- Barry H. Goodfriend, MD
- Ruth Falik, MD

Associate Professor

- Anoop Agrawal, MD
- Joslyn W. Fisher, MD, MPH
- Nadia Ismail, MD, MPH, MEd
- Anita V. Kusnoor, MD
- Erica H. Lescinskas, MD
- Doris Lin, MD
- Lee B. Lu, MD
- Niraj Mehta, MD
- Achilia Morrow, MD, MPH
- Ricardo E. Nuila, MD
- Edward L. Poythress, MD
- Rosa M. Schmidt, MD, MPH
- Chirayu J. Shah, MD
- Wayne X. Shandera, MD
- Diana E. Stewart, MD

Assistant Professor

- Nabid Ahmed, MD
- Salman Ahmed, MD
- Stephen Boone, MD
- Roberto H. Cavazos, MD
- Jennifer A. Chen, MD
- Regina Cuchapin, MD
- Priti Dangayach, MD

- Catherine L. Daniel, MD
- Anna Dolgner, MD
- Christian D. Eckman, MD
- Fabrizio Canepa Escaro, MD
- Cara A. Foldes, MD
- David Garrett, MD
- Ashish Gupta, MD
- Wajeeha Hussain, MD
- Colleen A. Keough, MD
- Riaz Khan, MD
- Lubna U. Khawaja, MD
- Maureen W. Kimani, MD
- Thaddaeus May, MD
- David S. McCants, MD
- Meroe B. Morse, MD
- Hong Loan Nguyen, MD
- Matthew Novakovic, MD
- Edgardo Ordonez, MD
- Vishal V. Patel, MD
- Alec Rezig, MD
- Marc D. Robinson, MD
- Jaime J. Rueda, MD
- Zaven Sargsyan, MD
- Katie Scally, MD
- Vandana Shah, MD
- Mesha Shaw, MD
- Stephanie V. Sherman, MD
- Ryan S. Shook, MD
- Michael H. Siegelman, MD
- Julian Swanson, MD
- Elizabeth Vaughan, DO
- Youshi Yin, MD
- Hal Zhang, MD

Instructor

- Derek Nusbaum, MD

Baylor St. Luke's Hospitalists

Assistant Professor

- Titilola R. Adio-Oduola, MD
- Neeraj Agrawal, MD
- Homaira Ahmed, MD
- Mahmoud Allahham, MD
- Kayley M. Clemings Ancy, MD
- Khannan Athreya, MD
- Heather R. Bartsch, MD
- Alok Bhattarai, MD
- Christopher S. Brann, MD
- Sophia Chang, MD
- Kinjal Changela, MD
- Amy Ciborowski, MD
- Narendra Civunigunta, MD
- Sonal Gadicherla, MD
- Irene Gelman, MD
- Allison Heinen, DO
- Jennifer Hsu, MD
- Chinkama Ngozi Ibe, MD
- Elie Jarrouge, MD
- Safeera Javed, MD
- Nehal Patel Jain, MD
- Surinder Kaul, MD
- Sung In Hillary Kim-Vences, MD
- Ya Li, MD
- James Liu, DO
- Caleb Melancon, MD
- Omar F. Merchant, MD
- Swathishta Murali, MD
- Jackson Murrey-Ittmann, MD
- Roopa L. Nalam, MD
- Robert Obeid, MD
- Nnenna Onochie, MD
- Laura Pierce, MD
- Syed-Saleem Shamsee, MD
- Shazia Sheikh, MD
- Matthew Shieh, MD
- Michael Shieh, MD
- Mona Shiekh Sroujeh, MD
- Umar Waheed, MD
- Catherine M. Wilson, MD
- Ahmed Yousif, MD
- Shireen Zindani, MD

Instructor

- Sai Padmaja Achanta, PA-C
- Atinuke Banjo, MSN, APRN, FNP-C
- Nerville Pis-an Futralan, APRN-CNP
- Angela Pointer Hare, ACNP

Baylor Medicine- McNair

Associate Professor

- Daniel R. Murphy, MD, MBA

Assistant Professor

- Eloy Cavazos Jr., MD
- Sharon W. Chen, MD
- Sobia Khan, MD
- Derek W. Meeks, MD
- Vani Potluri, MD
- Ralph S. Rosenbaum, MD
- Ryan C. Thomas, MD
- Zehra Tosur, MD
- Isabel Valdez, MPAS, PA-C

Michael E. DeBakey VA Medical Center

Professor

- Joan A. Friedland, MD

Associate Professor Emeritus

- Jagadeesh S. Kalavar, MD

Associate Professor

- Jeffrey T. Bates, MD
- Rola E. El-Serag, MD
- Himabindu Kadiyala, MD
- Anna Kolpakchi, MD
- Sabina M. Lee, MD
- Radha M. Rao, MD
- James W. Scheurich, MD

Assistant Professor

- Adelaide A. Adjovu, MD
- Marnie Bello Aguasvivas, MD
- Rajeev Balchandani, MD
- David Berman, MD
- Jonmenjoy Biswas, MD
- Andrew Caruso, MD

Michael E. DeBakey VA Medical Center

Assistant Professor

- Daniel S. Debrule, MD
- Megan A. Edmonson, MD
- Yaw Frimpong-Badu, MD
- Lindsey J. Gay, MD
- Utpal Ghosh, MD
- Richa Gupta, MD
- Samir Mohamed Haq, MD
- Kamal Hirani, MD
- Fatima Jafri, MD
- Claudine Johnson, MD
- Jing Kees, MD
- Babin Kurian, MD
- Riyadh Kherallah, MD
- Jonathan Lim, MD
- Almer R. Love II, MD
- Maria Maldonado, MD
- Cody W. Moore, MD
- Jung H. Park, MD
- Glynda Jane C. Raynaldo, MD
- Cory D. Ritter, MD
- Hossam M. Safar, MD
- Tin Sein, MD
- Atur Sheth, MD
- Robert Streciki, MD
- Bryan J. Sowers, MD
- Kelly L. Thomas, MD
- Anne Utech, MD
- Mini Varughese, MD

Instructor

- Sylvester Agbahiwe, Pharm. D
- Christine Aguilar, Pharm. D
- Oluwatoyin Ayodele Arije, Pharm. D
- Erene M. Attia, Pharm. D
- Austin De La Cruz, Pharm. D
- Michael A. Gillette, Pharm. D
- Brittany Gallagher Heyde, Pharm. D
- Stephanie J. Gryzmala, Pharm. D
- Fiona Imarhia, Pharm. D
- Regina Issac, Pharm. D
- Shani King, Pharm. D
- Janeca N. Malveaux, Pharm. D
- Yavonne Martinez, Pharm. D
- John Mbue, Pharm. D
- Angelena McBayne, Pharm. D
- Scott McDowell, Pharm. D
- Jetavia J. Moody, Pharm. D
- Arezo Noormohammadi, Pharm. D
- James Papadatos, Pharm. D
- Christina E. Pereira, Pharm. D
- Caroline N. Pham, Pharm. D
- Shazia A. Raheem, Pharm. D
- Alok Salgia, Pharm. D
- Chandler Schexnayder, Pharm. D
- Shaila Sheth, Pharm. D
- Sania Sultan, Pharm. D
- Tomi L. Swain, Pharm. D
- Matthew A. Wanat, Pharm. D
- Sonya R. Wilmer, Pharm. D

HONORS AND ACHIEVEMENTS

Anoop Agrawal, MD

- Recipient of the Spring 2021 WISH (Wellness Initiative Supporting Health) Grants for The Great Escape Project

Salman Ahmed, MD

- Voted by the Internal Medicine Residency Program for the Best Inpatient Wards Teaching Attending (Ben Taub)
- Voted by the Internal Medicine Residency Program for the Best Professionalism Role Model (Ben Taub)

Rajeev Balchandani, MD

- Received the Norton Rose Fulbright Faculty Excellence Award for the Spring 2021 cycle

Jeffrey Bates, MD

- Received the Norton Rose Fulbright Faculty Excellence Award for the Spring 2021 cycle
- Received the Master Clinician Award

David Berman, MD

- Received the VA I-Care Award

Christopher Brann, MD

- Awarded the GIM 2020-2021 Hospitalist of the Year Award

Andrew Caruso, MD

- Received the VA Best Inpatient Wards Teaching Award (VA)
- Received the Graduating Class of 2021 Outstanding Educators Award

Jennifer Chen, MD

- Received the COVID Superhero Award

Narendra Civunigunta, MD

- Received the Best Inpatient Wards Teaching Award (BSLMC)

Priti Dangayach, MD

- Recognized with a PEAR – Professional Educator Appreciation and Recognition Award

Anna Dolgner, MD

- Selected to serve on the ABIM Hospital Medicine Certification & Traditional MOC Item-Writing Task Force

Rola El-Serag, MD

- Was one of the finalists honored at the Junior League for the Greater Houston Women's Chamber of Commerce Kathryn S. Stream Award for Excellence in Women's Health

Joslyn Fisher, MD, MPH

- Awarded the 2020 recipient of the Kathryn S. Stream, PhD, Lifetime Achievement Award for Excellence in Women's Health from the Greater Houston Women's Chamber of Commerce.

Cara Foldes, MD

- Voted by the Internal Medicine Residency Program for the Best Continuity Clinic Attending (Smith Clinic)

Yaw Frimpong-Badu, MD

- Awarded the 2020-2021 Dr. Barry Goodfriend Outpatient Healer of the Year Award
- Selected by medical students for the PEAR – Professional Educator Appreciation and Recognition Award



Dr. Frimpong-Badu receiving the Dr. Barry Goodfriend Outpatient Healer of the Year Award.

Lindsey Gay, MD

- Selected as Associate Core Clerkship Director (IM)
- Selected by medical students for the PEAR – Professional Educator Appreciation and Recognition Award
- Awarded the 2020-2021 GIM Hospitalist of the Year Award (VA)
- Voted by the Internal Medicine Residency Program for the Best Inpatient Wards (VA)

Allison Heinen, MD

- Received the Power of Professionalism Award for going above and beyond in her patient care at BSLMC
- Voted by the Internal Medicine Residency Program for the Best Inpatient Wards Teaching Attending (BSLMC)

Kamal Hirani, MD

- Awarded the 2020-2021 Joseph R. Guitreau Consummate Physician Award

Nadia Ismail, MD

- Promoted to Senior Associate Dean of Curriculum

Naveen Kallarackal, MD

- Voted by the Internal Medicine Residency Program for the Best Continuity Clinic Attending (VA)

Sobia Khan, MD

- Recognized by the Greater Houston Women's Chamber of Commerce as a member of their 2020 Hall of Fame
- Awarded the 2021 Star Award for Excellence in Patient Care
- Recognized by the Houston Chronicle as the "Best of the Best" general internists in Houston
- Certified in Functional Medicine by the Institute for Functional Medicine
- Chosen to receive funding by the Department of Medicine's "Scholarly Time FTE Allocation Initiative" on her project "Quality Improvement: Ensuring Correct Intake of Thyroid Hormone Medication Prior to Dose Adjustment"



Dr. Sobia Khan is inducted into the Greater Houston Women's Chamber of Commerce Women's Hall of Fame 2020.

Maureen Kimani, MD

- Selected as Co-Chair of the Department of Medicine Inclusion, Diversity, & Health Equity Committee

Erica Lescinskas, MD

- Awarded the 2020-2021 D.A.V.E. (Dedicated Academician who Values Excellence in patient care, teaching, scholarship, and service) Award

Doris Lin, MD

- Promoted to Associate Professor

Lee Lu, MD

- Received the Best Continuity Clinic Teaching Award (Smith Clinic)
- Received the Valobra COVID Healthcare Hero Award



Dr. Lee Lu receiving the Healthcare Hero Award and "Defeat the Virus" pin from Valobra Jewelers.

David McCants, MD

- Awarded the 2020-2021 Joseph R. Guitreau Consummate Physician Award

Niraj Mehta, MD

- Received the Outstanding Faculty Teachers Award chosen by Clinical Core Clerkship

Meroe Morse, MD

- Awarded the Early Career Faculty Award for Excellence in Patient Care in December 2020
- Awarded the 2020-21 Dr. Barry Goodfriend Outpatient Healer of the Year Award (Smith Clinic)

- Voted by the Internal Medicine Residency Program for the Best Continuity Clinic Attending (Smith Clinic)

Daniel Murphy, MD

- Selected as a recipient of the Department of Medicine Healthcare Innovations Grant 2021 for his project “Developing Electronic Triggers to Understand Telemedicine-Related Diagnostic Errors During the COVID-19 Pandemic”
- Awarded the 2020-2021 Dr. Barry Goodfriend Outpatient Healer of the Year Award (Baylor Medicine)

Wendy Podany, MD

- Received the Best Continuity Clinic Teaching Award (VA)

Vani Potluri, MD

- Received the BCM Center for Professionalism “Power of Professionalism” Award

Lee Poythress, MD

- Promoted to Associate Dean of Student Affairs

Marc Robinson, MD

- Received the Best Inpatient Wards Teaching Award (Ben Taub)

Jaime Rueda, MD

- Received the Best Continuity Clinic Teaching Award (Smith Clinic)
- Selected Associate Program Director for the combined Internal Medicine Pediatrics Residency Program

Zaven Sargsyan, MD

- Received the Graduating Class of 2021 Outstanding Educators Award

Katie Scally, MD

- Awarded the 2020-2021 Hospitalist of the Year Award (Ben Taub)

Wayne Shandera, MD

- Awarded physician honoree for February 2021 Mission Doctors Association banquet

Stephanie Sherman, MD

- Received the John P. McGovern Outstanding Teacher Award in the Clinical Year Award
- Received the Graduating Class of 2021 Outstanding Educators Award
- Selected to be Editor of the New England Journal of Medicine’s Images in Clinical Medicine

Isabel Valdez, MPAS, PA-C

- Awarded the 2021 Star Award for Excellence in Patient Care

Elizabeth Vaughan

- Recognized for TIME program in community clinics.

Umar Waheed, MD

- Accepted the position of Executive Medical Director of Baylor Medicine Hospitalists Services

Brian Wisnoski, MD

- Voted by the Internal Medicine Residency Program for the Best Continuity Clinic Attending (MLK)



Section members have been recognized nationally for their research/scholarly activity in GIM and other closely affiliated sections; for example, Dr. Elizabeth Vaughan's TIME program (Telehealth-support, Integrated Community Health Workers, Medication-access, group visit Education) was accessed through community clinics.

RESEARCH ACTIVITIES

Grants

David Hilmers, MD, EE, MPH, MSEE

- TRISH/NASA; Visiting Scientist – Medical Database Project; \$239,954

Ricardo Nuila, MD

- AAMC; Co-Principal Investigator - Humanities & Narrative Medicine

Ashish Gupta, MD

- HRSA/MedStar; Co-Investigator – Diagnostic Error

Publications

- Academic Medicine (IF **5.354**): 1
- Annals of Emergency Medicine (IF **5.721**): 1
- Diabetes Care (IF **16.02**): 2
- Hypertension (IF **7.017**): 1
- Journal of the American Geriatrics Society (IF **5.562**): 3
- Journal of General Internal Medicine (IF **5.128**): 3
- Journal of Vascular Surgery (IF **4.268**): 1
- The American Journal of Medicine (IF **4.760**): 4

Books and Book Chapters

Wayne Shandera, MD

- Severe Acute Respiratory Syndrome – Coronavirus 2019. In: *Current Medical Diagnosis and Treatment*

SECTION OF GERIATRICS AND PALLIATIVE MEDICINE

SECTION ACCOMPLISHMENTS

- Section faculty are the primary contributors to the Geriatrics programs at Baylor St. Luke's Medical Center (BSLMC) and Houston Methodist Hospital. These contributions produced the national rankings in Geriatrics at both institutions. The 2020-2021 designation and national rank (#47) was the first national ranking for BSLMC.
- Dr. Eberechi Nwogu-Onyemkpa was selected as a Center of Excellence in Health Equity, Training and Research Junior Faculty Scholar for 2020-2021. Building from the scholar award, Dr. Onyemkpa was also accepted into the Program to Increase Diversity among Individuals Engaged in Health-Related Research Summer Institute at NHLBI 2021. These achievements build a foundation for her scholarship in health equity and palliative medicine.
- The Southeast Texas Geriatrics Workforce Enhancement Program guided the designation of five Baylor Medicine clinics and BSLMC Senior Care as Age Friendly Health Systems.
- Dr. Leanne Jackson was recognized as the highest volume telehealth video visits clinician among all 125 VA Medical Centers in the nation for Palliative Medicine (first among 453 providers in 2020). Dr. Aimee Garcia continues her pioneering efforts developing and growing the largest telehealth program for wound medicine in the national Veterans Health Administration.
- In 2020, the section initiated a new Palliative Medicine program at BSLMC with the recruitment of two new palliative medicine board-certified physicians. The Palliative Medicine program at Michael E. DeBakey VA Medical Center (MEDVAMC) successfully entered its two fellowship positions into a distinct option within the national Match in 2020.
- In October 2020, the section conducted a virtual CME program in Geriatrics for hospitalists and primary care providers, with an impressive national and international reach.



SECTION CHIEF

Aanand D. Naik, MD

FACULTY

Section Leadership

- Aanand Naik, MD, Section Chief
- Sara Battar, MD, MPH, Chief, Geriatrics and Extended Care Line, MEDVAMC
- Ursula Braun, MD, MPH, MEDVAM AC Site Director, Palliative and Supportive Medicine Fellowship, MD Anderson Cancer Center
- Angela Catic, MD, Geriatrics Fellowship Director
- Rashmi Jaitly, MD, Medical Director, Houston Methodist Hospital Wound Care
- Julia Reyser, MD, Medical Director, Harris Health System, Vallbona Health Center

- George Taffet, M.D, Chief Geriatrics and Palliative Medicine program at Harris Health
- Susan Williams, MD, Medical Director, BSLMC Kirby Glen Senior Care Clinic

Faculty

Professor

- Aanand D. Naik, MD
- Robert Roush, EdD, MPH
- Taffet George, MD

Associate Professor

- Ursula K. Braun, MD, MPH
- Aimee Dinorah Garcia, MD
- Syed Nasrat Imam, MD
- Sara Battar, MD, MPH

Assistant Professor

- Kathryn Agarwal, MD
- Mariam Ahmed, MD
- Tolulope Awolaja, MSN, BSN
- Jordan Boynton, MSN, APRN, FNP-C
- Elizabeth Brierre, RN, MSN, ANP-C
- Angela Catic, MD, MEd
- Alexie Cintron, MD, MPH
- Allison Dobecka, RN, MSN, ANP-C
- Astrid Grouls, MD

- Janet Harlan, MSN, BSN, GNP-BC
- Leanne Jackson, MD
- Rashmi Jaitly, MD, MBBS
- Delma Jara, MD
- Kimberly Johnson, MSN, ANP-BC
- Kristina Little, MD
- Anita Major, MD
- Ana Catalina Marcias, MD
- Eberechi Nwogu-Onyemkpa, MD, MHS
- Shannon Pearce, PhD, MSN
- Julia Reyser, MD
- Joel Salazar, MD
- Geraldine Salmeron, MD
- Sarah Selleck, MD
- Sana Shamji-Mukhi, DO
- Glencora Sharfman, MD
- Mahveen Sohail, MD
- Susan Williams, MD

Instructor

- Stacy Yang, PA

HONORS AND ACHIEVEMENTS

Ursula Braun, MD, MPH

- Ethics Committee Member / American Geriatrics Society

Angela Catic, MD, MEd

- Certificate of Recognition for contributions to the BCM Physician Assistant program in extraordinary circumstances and for the support and dedication to the education of PA students
- Online Module – Catic A. Camp K. Taylor K. Crompton M. Ross S. HSC Health: Creating Age-Friendly Health Systems. [Online course] University of North Texas Health Science Center at Fort Worth, INCEDO

Leanne Jackson, MD

- BCM Early Career Faculty Award for Excellence in Patient Care

- 2020 Top Doctor (Hospice and Palliative Medicine), *Houstonia* Magazine
- Highest number of telehealth video visits performed among all 125 VA Medical Centers in the nation for palliative medicine (first among 453 providers in 2020)

Anita Majors, MD

- House Call Service recognized as a Patient Centered Medical Home by the National Committee for Quality Assurance for 2nd consecutive year

Aanand Naik, MD

- Led the Age Friendly Health System Designation for five primary care clinics at Baylor Medicine and the BSLMC Senior Care clinic
- Plenary invited Speaker for the Oklahoma Dementia Care Network's Innovations in Aging Day
- Annual Meeting Planning Committee / American Geriatrics Society
- Senior Advisor / National VA Quality Scholars Program Coordinating Center
- Editorial Board Member, *Journal of the American Geriatrics Society*

Eberechi Nwogu-Onyemkpa, MD, MHS

- Selected as a Center of Excellence in Health Equity, Training and Research Junior Faculty Scholar for 2020-2021
- Selected into the Program to Increase Diversity Among Individuals Engaged in Health-Related Research Summer Institute at NHLBI 2021

George Taffet, MD

- Clinician Educator award at Houston Methodist Hospital. \$100,000 POCUS Course Development, Role Mentor
- Associate Editor, *Journal of Gerontology*
- 2020 *Houstonia* and Castle Connelly Lists of Best Doctors

RESEARCH ACTIVITIES

Grants

Aanand Naik, MD

- John A. Hartford Foundation / National Committee for Quality Assurance (NCQA); Supporting Age-Friendly Health Systems: Implementing and disseminating person-driven outcome measures Source; \$130,000
- NIA Collaboratory U54; Patient Priorities Care for Hispanics with Dementia; \$40,000
- Agency for Healthcare Research and Quality (AHRQ) / Univ New Mexico; ECHO National Nursing Home COVID-19 Action Network; \$360,000
- Veterans Administration, HSR&D; Effect of Patient Priorities Care Implementation in Older Veterans with Multiple Morbid Conditions; \$1.2 million

George Taffet, MD

- NIH; Phase 3 randomized, double-blind placebo-controlled trial to evaluate the efficacy and safety of LY3819253 in preventing SARS-COV-2 infection and COVID-19 in skilled nursing and assisted living facility residents and staff; \$31,937
- NHLBI; MPI GlyNAC supplemented diet improves inflammatory-based fibrosis in the aging heart; \$100,000

Publications

- *Academic Medicine* (IF **5.354**): 2
- *Age and Ageing* (IF **4.511**): 3
- *BMJ Quality and Safety* (IF **7.226**): 1
- *Cardiovascular Research* (IF **8.168**): 1
- *Cell Stem Cell Journal* (IF **20.860**): 1
- *Diabetes Care* (IF **16.02**): 1
- *Geroscience* (IF **7.77**): 1
- *JAMA Internal Medicine* (IF **21.873**): 1
- *JAMA Network Open* (IF **8.483**): 2
- *Journal of the American Geriatrics Society* (IF **5.562**): 6
- *Journal of the American Heart Association* (IF **5.501**): 2
- *Journal of the American Medical Association* (IF **56.272**): 2
- *Journal of the American Medical Directors Association* (IF **5.325**): 2
- *Journal of Clinical Endocrinology & Metabolism* (IF **5.605**): 1
- *Journal of General Internal Medicine* (IF **5.128**): 1
- *Journal of Hepatology* (IF **17.425**): 1
- *Medical Education* (IF **6.251**): 1
- *Science Report Journal* (IF **4.379**): 1

Books and Book Chapters

Angela Catic, MD, MEd

- Optimizing cognitive and physical function in older adults. In: *Primary Care Medicine: Office Evaluation and Management of the Adult Patient*

Aanand Naik, MD

- Assessing Older Patients' Risk Factors of Being Financially Exploited. In: *Aging and Money*

Robert Roush, EdD, MPH

- Assessing Older Patients' Risk Factors of Being Financially Exploited. In: *Aging and Money*

CENTERS

Southeast Texas Geriatrics Workforce Enhancement Program

The **SETx-GWEP** is a federally funded U01 training program collaborating 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 Baylor College of Medicine Section of Geriatrics and Palliative Medicine leads a regional consortium that includes partnerships with University of Texas Houston, University of Houston, Texas Southern University, BakerRipley Senior Services, the Montrose Center, Michael E. DeBakey VA Medical Center 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.

SECTION OF HEALTH SERVICES RESEARCH

SECTION ACCOMPLISHMENTS

- Dr. Barbara Trautner and her team at the Michael E. DeBakey VA Medical Center (MEDVAMC) are currently the fifth-highest enrolling site in the world for the National Institute of Allergy and Infectious Diseases and National Institutes of Health-funded Adaptive, Randomized, Blinded Controlled Trial of the Safety and Efficacy of Investigational Therapeutics for Hospitalized Patients with COVID-19 trial.
- Dr. Vivian Ho was elected to the National Academy of Medicine in recognition of “her scholarly work in providing insights on how economic factors and government regulations interact to influence the cost and quality of health care,” according to NAM's citation of her accomplishments. “Her work has shaped policy on state Certificate of Need regulations, hospital antitrust and freestanding emergency departments.”
- Dr. Hardeep Singh served as a technical expert panel member for the RAND Corporation report, [Health Services and Primary Care Research Study Comprehensive Report](#), which identified research gaps and proposed strategies for better coordination across the Federal enterprise.



SECTION CHIEF

*Laura Petersen, MD, MPH,
FACP*

FACULTY

Section Leadership

- Laura A. Petersen, MD, MPH, FACP, Director
- Drew A. Helmer, MD, MS, Deputy Director
- Hardeep Singh, MD, MPH, Program Chief, Health Policy, Quality and Informatics
- Mark E. Kunik, MD, MPH, Program Chief, Behavioral Health
- Thomas P. Giordano, MD, MPH, Program Chief, Clinical Effectiveness and Population Health
- Aanand D. Naik, MD, Program Chief, Implementation Science and Innovation
- Natalie E. Hundt, PhD, Program Chief, Education and Training Core
- Jessica A. Davila, PhD, Program Chief, Methodology and Analytics Core
- Shannon Kenyon, MBA, Program Chief, Administration and Operations

Faculty

Primary Faculty

Professor

- Laura A. Petersen, MD, MPH, FACP
- Vivian Ho, PhD
- Sylvia J. Hysong, PhD
- Hardeep Singh, MD, MPH
- Richard L. Street, Jr., PhD
- Barbara W. Trautner, MD, PhD

Associate Professor

- Jessica A. Davila, PhD
- Lilian N. Dindo, PhD
- Jennifer R. Kramer, PhD, MPH
- Daniel R. Murphy, MD, MBA
- Sara Nowakowski, PhD, CBSM, DBSM

Assistant Professor

- Amber B. Amspoker, PhD
- Traber L. Giardina, PhD
- Kyler M. Godwin, PhD
- Molly J. Horstman, MD, MS
- Ashley N.D. Meyer, PhD

- Javad Razjouyan, PhD, MSc
- Peter A. Richardson, PhD
- Shubhada Sansgiry, PhD, BPharm
- Donna L. White, PhD, MPH
- Andrew J. Zimolzak, MD, MMSc

Instructor

- Israel C. Christie, PhD
- Patrick N. O'Mahen, PhD
- Annette Walder, MS

Senior Faculty

- Drew A. Helmer, MD
- Thomas McGinn, MD, MPH

Secondary Faculty

Professor

- Jeffrey A. Cully, PhD
- Mark E. Kunik, MD, MPH

Associate Professor

- Nader N. Massarweh, MD, MH, FACS

HONORS AND ACHIEVEMENTS

Laura A. Petersen, MD, MPH, FACP

- Grant Funding
 - Continued as Principal Investigator on funded projects (total funding amount \$5,304,161):
 - VA HSR&D COIN; Center for Innovations in Quality, Effectiveness and Safety (IQEST); \$4 million
 - VA HSR&D Investigator Initiated Research (IIR) Grant; Improving the Measurement of VA Facility Performance to Foster a Learning Health Care System; \$1,099,906
 - VA HSR&D COVID-19 RRP; Rapid Assessment of National Surges and Variations in COVID-19 Inpatient Nurse Staffing Using a Big Data Approach; \$174,261
 - BCM Population Health Grant; Effects on Population Health of Having More than One Source of Care: Expanding Medicaid Coverage for Veterans with Advanced Chronic Kidney Disease; \$29,994
 - Initiated as Principal Investigator one funded project (total funding amount \$1,198,618):

- VA HSR&D IIR Grant; Medicaid Expansion and Quality, Utilization and Coordination of Health Care for Veterans with Chronic Kidney Disease; \$1,198,618
- Publications:
 - Published 31 peer-reviewed publications
 - BCM Position Statement, co-author: “Strengthening Our Commitment to Racial Justice to Improve Public Health” on behalf of the Center for Medical Ethics and Health Policy at Baylor College of Medicine, August 31, 2020
 - Two papers cited in NASEM report, “Implementing High-Quality Primary Care: Rebuilding the Foundation of Health Care,” released May 4, 2021
 - Hysong SJ, Amspoker AB, Hughes AM, Woodard LD, Oswald FL, **Petersen LA**, Lester HF. Impact of team configuration and team stability on primary care quality, *Implement Sci* 2019;14(1):22
 - Weaver SJ, Che XX, **Petersen LA**, Hysong SJ. Unpacking care coordination through a multi-team system lens: A conceptual framework and systematic review, *Med Care* 2018;56(3):247-59
- Service:
 - National Diversity & Leadership Conference Baylor College of Medicine (BCM) DEI Champion, 2021
 - Panel Moderator, “New Challenges, New Opportunities: What’s Next for Academic Medical Centers,” BCM Health and Science Policy Research Day, May 4, 2021
 - Member, BCM Datathon Planning and Data Governance Committees, 2019-2021

Amber B. Amspoker, PhD

- Education
 - Associate Director of the Education and Training Core, IQuEST
 - FY20 Outstanding Faculty Educator Award, IQuEST Houston (awarded July 2020)
 - Lead of the Methods, Analytics, and Data Education Committee, IQuEST
 - Inaugural member of the Peer Mentor Academy, BCM Department of Medicine, and co-leader of the first Peer Mentoring Group representing the Section of Health Services Research
- Published 14 peer-reviewed publications
- Presented work entitled "Implementation of Automatic Early Warning Decision Support to Detect Acute Decompensation in the Emergency Department Improves Hospital Mortality" during BCM's inaugural Datathon (October 2020)

Israel C. Christie, PhD

- Member of the Methods, Analytics, and Data Education Committee, IQuEST
- Mentor to two junior members of Methodology and Analytics Core
- Principal statistician/methodologist on six funded research and operations projects

Jeffrey A. Cully, PhD

- Continued as PI on two funded projects dedicated to studying and implementing evidence-based psychotherapies for primary care and community-based outpatient clinics (\$1.5 million in direct costs)
 - Brief Cognitive Behavioral Therapy for Depression and Suicidal Ideation
 - Creating Practice-Ready Evidence-Based Psychotherapies
- Started on project as PI on VA HSR&D IIR Grant; A pragmatic Trial of Brief CBT for Anxiety in VA Primary Care; \$1,256,805
- Published 9 peer-reviewed publications
- Service
 - 2020 Mental Health Provider Pandemic Survey Project – 1,000 responses from VA mental health providers in Texas, Arkansas, Louisiana, and Mississippi
 - Grant Reviewer – VA Health Services Research and Development
 - Grant Reviewer – National Institute of Mental Health

Jessica A. Davila, PhD

- UME Education for AY20-21:
 - Course Director, Research and Population in Medicine
 - Member, Curriculum Renewal Evaluation Workgroup (CREW)
 - Committee Lead, 21st Century in Medicine Subcommittee of CREW
 - Member, School of Medicine LCME Site Visit Team
 - Completed all graduation requirements for the BCM Master Teacher Fellowship Program
- Informatics at BCM
 - Program Lead, Informatics Core for the CTSA application
 - Co-lead, BCM Data Governance Committee
 - Member, 2020 BCM Datathon Planning Committee
 - Co-author, BCM Datathon Abstract accepted for oral presentation at the AMIA 2021 meeting
 - Program Lead at BCM, National COVID Cohort Collaborative, NIH National Center for Advancing Translational Sciences

Lilian Dindo, PhD

- Promotion to Associate Professor with Tenure (2020)
- Continued as Principal Investigator on four nationally funded grants:
 - NIH; Targeting HIV Retention and Improved Viral load through Engagement
 - VA RR&D; One-day Life Skills Workshop for Veterans with TBI, pain, and Psychopathology: Evaluating efficacy and mechanism of change
 - NIH; Preventing Persistent Post-Surgical Pain and Dysfunction in At-Risk Veterans: Effect of a Brief Behavioral Intervention
 - ORH; Combination outreach and wellness intervention for distressed out-of-care rural Veterans
- Continued as co-Investigator on four nationally or foundation-funded grants:

- VARC; ACT Workshops: A Novel Delivery Modality to Increase Access to Mental Health Care for Rural Veterans.
- HRSA; Southeast Texas Geriatric Workforce Enhancement Program (SETx-WEP)
- Hartford Foundation; Improving Care of Persons with Complex Health Conditions
- Translational Research Center for TBI Stress Disorders (TRACTS) Network Site
- Published 10 peer-reviewed publications and three book chapters between July 2020-current; four invited national presentations
- Service
 - 2021: Early Career Mentee Award Program review panel, Association for Contextual and Behavioral Sciences
 - 2021: Career Development Panel, Rehabilitation Research & Development Service, Department of Veterans Affairs. February 2021
 - 2021: IQuEST Education Awards Committee
 - 2020 – current: Fellowship Associate Program Co-Director of HSRD Fellowship

Traber L. Giardina, PhD

- 2020-21 National Academy of Medicine Scholar in Diagnostic Excellence
 - Title: “Overcoming Barriers to Diagnostic Safety for Underrepresented Populations: Implementing Structured Tools to Engage Patients in Diagnosis (The ISTEP Dx Project)”
- Continued as Principal Investigator on Agency for Healthcare Research and Quality (AHRQ) K01
 - Engaging patients in diagnostic error reporting
- Service
 - Society to Improve Diagnosis in Medicine Patient Engagement Committee

Kyler Godwin, PhD

- Continued as Principal Investigator/Director of grants for more than \$550,000 annually in direct funding
 - Director, National VA Quality Scholars Program
 - Principal Investigator, Leading Healthcare Improvement: Leadership Training for Applied Improvement Strategies
- Initiated as Principal Investigator/Director for grants in excess of \$2.1 million
 - Director, National Health Professions Education Evaluation and Research Coordinating Center Grant (\$2,088,000 in funding), July 2020- present
 - Principal Investigator, Evaluation of Advanced Fellowships in Geriatrics
- Published 4 peer-reviewed publications
- Service
 - Co-chair, Diversity and Inclusion Task Force for the South Central Mental Illness Research Education and Clinical Centers of Excellence (MIRECC), including Houston, Louisiana, and Arkansas. October 2020 – March 2021.
 - Assistant Director of Education, BCM Institute for Continuing Professional Development in Quality Improvement and Patient Safety (QI/PS Institute) (ongoing)

- Awards
 - 2021 Baylor College of Medicine Women of Excellence Award, March 2021
 - Norton Rose Fulbright Faculty Excellence Award in Educational Research, September 2020

Drew Helmer, MD

- Continued as Principal Investigator three funded projects worth more than \$5 million:
 - Genomics of Gulf War Illness
 - Retrospective Medical Record Review to Establish a Clinical Case Definition for Gulf War Illness
 - Lung Injury Etiology, Risk Factors, and Morbidity of Single and Repeated Low-level Blast Overpressure Exposure
- Initiated as Principal Investigator two funded projects worth \$1.5 million:
 - AHBPCE/IQuEst Military Exposure Surveillance Collaboration
 - Engaging Veterans in the Gulf Coast Community to advance Understanding of Military Exposure Research and Action Priorities
- Published 17 peer-reviewed publications
- 2020 – present
 - Member of the Research Advisory Committee on Gulf War Veterans’ Illnesses
 - Dec 2019 – present, VA champion for the revision of the VA/DoD Evidence-Based Clinical Practice Guideline for the Management of Chronic Multisymptom Illness
 - Dec 2020 – present, Member VA Office of Research and Development Military Exposure Research Program Task Force

Vivian Ho, PhD

- Continued as Principal Investigator on two funded projects worth more than \$2 million:
 - Affordability Cures, Examining the Impact of Laws Aiming to Curb Balance Billing in the Emergency Department
 - Does Physician-Hospital Integration Affect the Quality and Price of Hospital Care?
- Supported applications as Co-Investigator on two projects worth more than \$200,000
 - Understanding Modifiable Barriers to Employment in Patients with Kidney Disease
 - Examining economic barriers to advanced kidney disease care, the associated health outcomes, and potential policy solutions
- Published five peer-reviewed publications
- Service
 - January 2020: Presented “Healthcare Proposals and the 2020 Elections” to Texas Heart Institute/Baylor St. Luke’s Medical Center, Cardiology Grand Rounds
 - April-August 2020: Published a weekly blog summarizing the latest research on the risk factors for severe Covid-19 disease, emerging treatments and vaccines, and policy actions to control the pandemic; discussed these updates on a weekly Houston Public Media show, Houston Matters. <https://www.bakerinstitute.org/VivianHoCovid19>
 - June 2020: Moderated a panel for Zhejiang University/Rice University webinar on “Overcoming Challenges of COVID-19 and Evolving Opportunities in the Post-Pandemic Era”

- October 2020: Presented “Tracking Trends in Trauma Care Costs and Outcomes in Texas” to Baylor College of Medicine, Surgery Grand Rounds
- October 2020: Elected to the National Academy of Medicine
- November 2020: Panelist on Think Tanks and Civil Societies Program, University of Pennsylvania. “North American Virtual Think Tank Summit. A global overview of the social, political, economic, and policy impact of the crisis and what will be the long-term impact on Mexico, Canada and the United States”

Molly J. Horstman, MD, MS

- Early Career Faculty Award for Excellence in Patient Care (2021)
- Norton Rose Fulbright Faculty Excellence Award in Teaching and Evaluation (2021)
- Baylor College of Medicine Faculty Award for annual Showcase of Educational Scholarship (2020)
- Awarded the VA Health Professions Education, Evaluation, and Research Coordinating Center with Dr. Kyler Godwin (Director) and Dr. Vince Watts (Associate Director for Evaluation); serving as the Associate Director for Curriculum
- Received Notice of Intent to fund VA HSR&D-National Institute on Aging Career Development Award “Hospital GamePlan4Care: A Web-Based Delivery System for Dementia Caregiver Support”

Sylvia J. Hysong, PhD

- Promotion to full professor with tenure at BCM
- Elected Fellow of the Society for Industrial/Organizational Psychology (first ever at BCM, and first ever at Department of Veterans Affairs (all three agencies)
- Continued as principal investigator on AHRQ R01 worth \$1.5 million
- Initiated two new grants funded as principal investigator worth \$100,000
 - Michael E. DeBakey VA Medical Center Seed Grant PACT Coordination during Public Health Emergencies: Impact on Quality of Care; \$50,000
 - BCM Healthcare Disparities Grant; Concordance between the Race of Patients and Their Care Team: Overcoming Chronic Health Outcome Disparities in Primary Care; \$50,000
- Published six peer-reviewed publications (three first author, two senior author, one co-author)
- Service
 - FACA-Appointed Member, VA HSR&D Scientific Merit Review Board
 - Subject Matter Expert: VHA Deputy Chief Officer for Public Health COVID Vaccine Staff Survey Workgroup
 - Executive Advisory Board Member, Career Development Award Enhancement Initiative, VA Health Services Research and Development.
 - Founding (and continuing) Steering Committee Member, International Audit and Feedback Meta-Laboratory
 - Chair, Continuing Education Committee, Society for Industrial/Organizational Psychology
 - Chair, BCM Healthcare Innovations Grant Review Panel
 - Member, Norton Rose Fulbright Faculty Excellence Award Review Committee
 - Chair, Norton Rose Fulbright Education Grants Committee

- Impact: Two journal papers recently cited in 2021 National Academies of Science, Engineering and Medicine (NASEM) report “[Implementing High-Quality Primary Care: Rebuilding the Foundation of Health Care.](#)” released May 4, 2021
 - Hysong SJ, Amspoker AB, Hughes AM, Woodard LD, Oswald FL, Petersen LA, Lester HF. Impact of team configuration and team stability on primary care quality. *Implement Sci* 2019; 14(1):22.
 - Weaver SJ, Che XX, Petersen LA, Hysong SJ. Unpacking care coordination through a multiteam system lens: A conceptual framework and systematic review. *Med Care* 2018; 56(3):247-59.

Jennifer R. Kramer, PhD, MPH

- Promoted to Associate Professor of Medicine in 2020
- Newly funded NIH R01 PQ3 grant as VA site PI; Reducing cancer treatment disparities for patients with HIV
- Published 16 peer-reviewed manuscripts

Mark E. Kunik, MD, MPH

- Continued as Principal Investigator two funded projects worth more than \$3.7 million:
 - Using Peer Navigators to Increase Access to VA and Community Resources for Veterans with Diabetes-related Distress
 - South Central Mental Illness Research, Education and Clinical Center
- Initiated as Principal Investigator one pilot project worth \$40,000; Assessing the Needs of Veterans with Type 2 Diabetes During the COVID-19 Pandemic: A Veteran-Engaged Qualitative Approach
- Published 17 peer-reviewed publications
- Service
 - Houston & Southeast Texas Chapter of the Alzheimer's Association - Board Member and Walk to End Alzheimer's Co-Chair

Nader N. Massarweh, MD, MH, FACS

- New VA HSR&D Merit award
- Published 28 publications; two in JAMA
- Service:
 - Chair of the Association of VA Surgeons Bylaws Committee
 - Society for Surgical Oncology Corporate Relations Committee
 - Associate Editor for Healthcare Delivery, Quality Improvement, and Quality Assurance: *Journal of Surgical Research*
 - American College of Surgeons, General Surgery Coding and Reimbursement Committee, Member (2014-Present)
 - American College of Surgeons, Alternate Advisor to the American Medical Association Relative-Value Scale Update Committee (2015-Present)
 - Association for Academic Surgery, Clinical and Health Services Research Committee (2019-Present)
- Norton Rose Fulbright Award for Teaching and Evaluation

Thomas McGinn, MD, MPH

- Executive Vice President, Physician Enterprise, CommonSpirit Health and Senior Faculty, Baylor College of Medicine
- Continued as Principal investigator on the following funded projects:
 - 3R18HS026196-02S1, AHRQ; Implementation of a Novel Multi-Platform Evidence-Based Clinical Decision Support System – Competitive Revision Supplement; \$238,499
 - 1R61HD104566-01, NIH/NICHD; Evaluating implementation and feasibility of evidence-based universal screening and intervention strategies for firearm injury and mortality prevention among youth and adults in emergency departments; \$790,313
- Published 16 peer-reviewed manuscripts
- Service:
 - *Annals of Internal Medicine*: Reviewer, 2000 to present
 - *JAMA*: Reviewer, 2000 to present
 - *Journal of General Internal Medicine*: Reviewer, 1999 to present

Ashley N.D. Meyer, PhD

- Continued as Principal Investigator for one funded project
 - Understanding physicians' diagnostic accuracy in the EHR era; \$800,000
- Continued as Co-Director and Co-Investigator for 1 funded project
 - Diagnosis Improvement Safety Center (DISCOVERY) at MEDVAMC; \$900,000
- Published 4 peer-reviewed publications
- Service:
 - Co-Chair of The Society to Improve Diagnosis in Medicine's 13th Annual Diagnostic Error in Medicine Conference
 - Chair of The Society to Improve Diagnosis in Medicine's Research Committee, 2020-2021
 - Co-Lead of Inaugural Peer Mentoring Group within BCM's Section of Health Services Research, 2020-present

Daniel R. Murphy, MD, MBA

- Served on the Datathon Planning and Data Governance Committees
 - Contributed to the development of an accessible data platform for faculty to use clinical data at BCM for research and quality improvement
 - Assisted with planning for the 2020 Datathon, which allowed faculty members to highlight successful use of data
- Chaired the Baylor Medicine Quality and Safety Committee
 - Led efforts to collect and disseminate key quality data throughout Baylor Medicine
 - Supported quality improvement efforts to close care gaps, resulting in over \$341,000 of quality-related income to Baylor in 2021 from the Medicare Shared Savings Program
 - Facilitated activities that led to Baylor Medicine receiving awards for quality from the American Heart Association and TMF Health Quality Institute
 - Assisted in development and testing of a Quality Registry for quality improvement projects across BCM

- Led the Baylor Medicine Telemedicine Planning Committee (Since April 2020)
 - Led rapid rollout of telemedicine processes, infrastructure, and training across Baylor Medicine to meet patient needs during COVID-19 pandemic
- Served as Medical Director of the General Internal Medicine Clinic
 - Piloted telemedicine at the start of the pandemic
 - Grew resident trainees from three residents in 2019, to seven in 2020, and 10 in July 2021
- Served on the BCM Incident Command Center (Since March 2020)
 - Helped to coordinate clinical processes in response to the COVID-19 Pandemic

Sara Nowakowski, PhD, CBSM, DBSM

- Primary/1st co-editor of a book that will be published in October 2021, *Adapting Cognitive Behavior Therapy for Insomnia*
- Ongoing R01 in Year three
- Published six peer reviewed papers, three book chapters, 15 conference abstracts
- Building national reputation – invited to review NIH small business grants for study section Small Business: Clinical Neurophysiology, Devices, Neuroprosthetics, and Biosensors – ETTN (10) and appointed to serve as Associate Editor for journal *Sleep Advances*
- Building international reputation – invited to prepare and moderate a course at World Sleep Conference in Rome, Italy
- Mentored 12 trainees:
 - Four Pulmonary Fellows (conducted research study and presenting poster at SLEEP 2021 meeting)
 - Four junior faculty (primary mentor on K23 app, primary mentor on funded pilot grant as part of R25 PRIDE)
 - Two postdoctoral fellows (each submitted diversity apps)
 - Two practicum summer students (MPH student at UTSPH, BCM medical student)

Patrick O'Mahen, PhD

- Continued as Principal or Co-Investigator on two funded projects worth \$80,000
 - Effects of VA State Medicaid Expansion on VA Dual Enrollment and Care Utilization
 - Effects on Population Health of Having More Than One Source of Care: Expanding Medicaid Coverage for Veterans with Advanced Chronic Kidney Disease
- Initiated as Co-Investigator one funded project worth \$1.2 million
 - IIR 19-057: Medicaid Expansion and Quality, Utilization and Coordination of Health Care for Veterans with Chronic Kidney Disease
- Published 6 peer-reviewed publications
- Service
 - October 2020-present: invited lecturer for Foundations in Health Services Research Seminar

Javad Razjouyan, PhD, MSc

- K25 from NIH-NHLBI
- Seed Award from MEDVAMC
- Seed Award from BCM on COVID-19 response
- VA CSR D co-I on COVID response
- Co-PI on Houston VA Research & Education Foundation grant
- Published seven manuscripts in peer-reviewed journals

Peter A. Richardson, PhD

- Published five peer-reviewed publications

Shubhada Sansgiry, PhD, BPharm

- Continued as Co-Investigator/Methodologist on seven funded projects worth over \$2.9 million and three contracts worth about \$2.8 million

Funded Projects:

- VA HSR&D IIR; Effectiveness, safety, and patient preferences of Infliximab biosimilar medications for inflammatory bowel disease
- VA HSR&D IIR; Anxiety diagnostic accuracy in VA primary care mental health integration settings: Identifying barriers and facilitators to inform a learning health care system
- DOA IIS; Anemia treatment patterns and outcomes among a national cohort of patients with inflammatory bowel disease
- VA RR&D SPiRE; Improving Quality of Life for Veterans with Stroke and Psychological Distress
- VA HSR&D IIR; A Multi-Level Intervention to Improve Cancer Care for Hepatocellular Carcinoma
- HSR&D COIN SUPP; Increasing Access to Evidence Based Psychotherapies for Depression
- South Central MIRECC Pilot; Development and Pilot Testing of Video-based Delivery of Brief Cognitive Behavioral Therapy for Anxiety

Funded Contracts:

- Department of Veterans Affairs; Coordinating Hub to Promote Research Optimizing Veteran-centric EHR Networks
- Veterans Health Administration, Office of Academic Affiliations; The Rural Interprofessional Faculty Development Initiative (RIFDI) Program
- MIDAS (MIRECC Implementation, Design, and Analysis Support); Design and Analysis of research projects for VISN 16 MIRECC investigators
- Initiated as Co-Investigator/Methodologist two funded projects worth over \$1.7 million
 - VA HSR&D IIR; A Pragmatic Trial of Brief CBT for Anxiety in VA Primary Care
 - Lone Star Stroke Tele-Stroke Research Network: BCM HUB; Feasibility of video teleconference self-management to prevent stroke (V-STOP II) for rural and underserved Texas residents
- Published four peer-reviewed publications, and two in press

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

Hardeep Singh, MD, MPH

- Continued as Principal Investigator for six funded projects worth more than \$3.5 million annually
 - A Safer Dx Guide for Organizational Risk Assessment to Improve Diagnostic Safety: A Proposal for Development and Refinement
 - The Safer Dx Learning Lab: A Demonstration Project for Improving Diagnostic Safety
 - Diagnosis Improvement Safety Center (DISCOVERY)
 - Measuring and Improving the Safety of Test Result Follow-Up
 - Application of Machine Learning to Enhance e-Triggers to Detect and Learn from Diagnostic Safety Event
 - Clinical Quality Measure to Improve Diagnosis of Cancer: The Safer Dx Cancer e-Measure
- Submitted one R01 as PI and two R01s as Co-Investigator
- Published 58 peer-reviewed publications
- Service
 - January 2021–present, Chair, Expert Stakeholder Panel for the ‘Promote Research Optimizing Veteran-Centric EHR Networks (PROVEN) Hub’ that provides research guidance for VA’s EHR Transformation
 - May 2021–present, Invited Member, The National Academy of Medicine Action Collaborative on Decarbonizing the U.S. Health Sector
 - May 2021-present, Invited Expert, Drafting and Review Task Force. Global Patient Safety Action Plan 2021-2030. World Health Organization; released and Adopted by the World Health Assembly
 - 2019-present, Expert Advisory Panelist – Patient Safety Measures of Hospital Harm Technical Expert Panel, Centers for Medicare and Medicaid Services
 - 2013-present, Co-leader, VHA Communication of Test Results Policy Work Group to revise national VA policy on test results communication to providers and patients

Richard L. Street, Jr., PhD

- Book: *Understanding Clinical Negotiation* (2021)
- Appointed Senior Deputy Editor for the journal *Patient Education and Counseling*
- “How clinician-patient communication heals: Pathways to improved health outcomes.” Virtual keynote address, Medicine, Humanity and Media (MHM 2020): “Healthy China” & Health Communication International Conference, Peking University, China
- Published eight peer-reviewed publications and one book chapter

Barbara W. Trautner, MD, PhD

- Continued as Principal Investigator on three funded projects worth more than \$4.5 million
 - Reducing Use of Antibiotics without a Prescription among Outpatients in a Safety Net Healthcare System

- Bacteriophage to treat multidrug-resistant UTI in Persons with Spinal Cord Injury
- Less is More: Improving Antibiotic Stewardship for Asymptomatic Bacteriuria
- Initiated as Principal Investigator or site PI four funded projects worth \$400,000
 - Bacteriophage Therapy for Drive Line Infections of Ventricular Assist Devices
 - Protecting Veterans from Harms of Inappropriate Self-Treatment for COVID-19
 - MEDVAMC co-lead for NIAID- and NIH-funded ACTIV-3 trial (monoclonal antibodies for COVID): Multicenter, Adaptive, Randomized, Blinded Controlled Trial of the Safety and Efficacy of Investigational Therapeutics for Hospitalized Patients with COVID-19
 - Top enrolling VA site and one of top ten enrolling sites worldwide
 - MEDVAMC co-lead for Roche Genentech Inc.-sponsored EMPACTA trial: A Randomized, Double-Blind, Placebo-controlled, Multicenter Study to Evaluate the Efficacy and Safety of Tocilizumab in Hospitalized Patients with Covid-19 (published in *NEJM*)
- Published 22 peer-reviewed publications
- Service/leadership/awards
 - Co-chair of IDSA UTI Guidelines Committee
 - Keynote speaker at Texas A&M University research day
 - VA Health Service Research and Development Merit Review Board HSR6 (Long-term Care, Aging, and Support Services panel)
 - VA Data Monitoring Committee for CSP #2004
 - 2021 Baylor College of Medicine Women of Excellence Award
 - Participant in 2021 VA Diffusion Academy
 - The Joint Commission Antimicrobial Stewardship Standards Technical Advisory Panel

Annette Walder, MS

- Chair, IQuEST Team Leadership Advisory Committee, 2021
- Published four peer-reviewed publications
- Presentation: Okusaga OO., Mitchell B, Walder A. (2021), Clozapine is associated with elevated risk of COVID-19 infection in Veterans with schizophrenia. Society of Biological Psychiatry

Donna L. White, PhD, MPH

- Continued as Principal Investigator on two funded projects worth more than \$1 million
 - VA Million Veterans Program (MVP) BLRD Gamma Pilot Merit – Immunogenetic Determinants of HPV-related Head and Neck Cancer in Veterans
 - VA CSR&D Merit
- Initiated as PI one funded pilot project worth \$49,000
 - COVID19 impact and risk factors in HIV+, HCV+ and Transgender veterans
- Published 11 peer-reviewed publications
- Service:
 - 2020-present – Member of the VA Million Veterans Program (MVP) Publication and Presentation (P&P) Committee
 - Spring 2012-present – Member of the VA Million Veterans Program (MVP) Planning Committee for National Research Meeting Fall 2021

Andrew Zimolzak, MD, MMSc

- Continued as co-PI or co-investigator on two funded projects
 - Gordon and Betty Moore Foundation; Co-PI Safer Dx e-measures to reduce preventable delays in cancer diagnosis; \$520,162
 - R01 HS27363-01 AHRQ; Co-Investigator: Application of a Machine Learning to Enhance e-Triggers to Detect and Learn from Diagnostic Safety Events
- Published two peer-reviewed publications and five conference abstracts
- Service
 - September 2020 – Lung Precision Oncology Project, grant review section. VA Central Office (CSR&D)
- Awards
 - Excellence in Collaboration, Baylor College of Medicine Datathon, October 2020

RESEARCH ACTIVITIES

Grants

Laura Petersen, MD, MPH, FACP

- VA HSR&D COVID-19 RRP; Rapid assessment of national surges and variations in COVID-19 inpatient nurse staffing using a big data approach; \$174,261
- VA HSR&D IIR Grant; Medicaid Expansion and Quality, Utilization and Coordination of Health Care for Veterans with Chronic Kidney Disease; \$1,198,618

Jeffrey Cully, PhD

- VA HSR&D IIR; A pragmatic Trial of Brief CBT for Anxiety in VA Primary Care; \$1,256,805

Jessica Davila, PhD

- OAA contract; Analysis on trainee participant surveys; \$70,778

Lilian Dindo, PhD

- VA Merit RR&D; One-day Life Skills Workshop for Veterans with TBI, pain, and Psychopathology: Evaluating efficacy and mechanism of change; \$1,100,000

Drew Helmer, MD

- Airborne Hazards Burn Pit Center of Excellence; Partnership between the Center for Innovations in Quality, Effectiveness, and Safety (IQuES) and to Accelerate Learning and Impact from the Airborne Hazards and Open Burn Pit Registry (AHOBPR) (PIALIA); \$1,236,583
- United States Army Medical Research Acquisition Activity (DoD); Gulf War Illness Clinical Trials and Intervention Consortium; \$188,743

Sylvia J. Hysong, PhD

- HSR&D SWIFT Award; PACT Coordination during Public Health Emergencies: Impact on Quality of Care; \$50,000

Nipa Kamdar, PhD

- VA HSR&D IIR Grant; Seeking Food Assistance: Food Insecure Veterans' Experiences Navigating through Systems; \$200,000

Nader N. Massarweh, MD, MPH

- VA HSR&D IIR Grant; Enhancing the Efficiency of Data Collection for Surgical Quality Improvement; \$714,957

Hardeep Singh, MD, MPH

- Society to Improve Diagnosis in Medicine; Fellowship in Diagnostic Excellence; \$40,000

Barbara W. Trautner, MD, PhD

- AHRQ R01; Prevalence and Predictors of Using Antibiotics Without a Prescription in Pediatric Populations; \$100,000
- HSR&D SWIFT Award; Protecting Veterans from Harms of Inappropriate Self-Treatment for COVID-19; \$46,316

Donna L. White, PhD

- MEDVAMC Seed Award; COVID-19 Impact and Risk Factors in HIV+, Hepatitis C+ and Transgender Veterans; \$49,318

Publications

- *Academic Medicine* (IF **5.354**): 1
- *American Journal of Medicine* (The) (IF **4.76**): 2
- *American Journal of Preventive Cardiology* (IF **4.435**): 1
- *Annals of Surgery* (IF **9.203**): 2
- *Annals of Surgical Oncology* (IF **4.179**): 4
- *BMJ Quality and Safety* (IF **7.226**): 5
- *Cancers* (IF **6.126**): 2
- *Cardiovascular Drugs Therapy* (IF **4.069**): 4
- *Clinical Gastroenterology and Hepatology* (IF **8.549**): 3
- *Clinical Infectious Diseases* (IF **9.117**): 2
- *Crohn's & Colitis* (IF **7.827**): 1
- *Health Affairs* (IF **5.23**): 1
- *Heart* (IF **5.213**): 1
- *Hepatology* (IF **14.679**): 1
- *Journal of the American Medical Association* (IF **45.54**): 1
- *JAMA Cardiology* (IF **12.794**): 1
- *JAMA Internal Medicine* (IF **18.652**): 1

- *JAMA Network Open* (IF **5.032**): 6
- *JAMA Surgery* (IF **13.625**): 4
- *Journal of General Internal Medicine* (IF **4.606**): 6
- *Journal of Medical Internet Research* (IF **5.03**): 1
- *Journal of American College of Surgeons* (IF **5.122**): 1
- *Journal of American Geriatrics Society* (IF **4.388**): 2
- *Journal of American Heart Association* (IF **4.45**): 1
- *Journal of American Medical Directors Association* (IF **5.325**): 1
- *Journal of Medical Informatics Association* (IF **4.112**): 1
- *Journal of Thoracic and Cardiovascular Surgery* (IF **4.88**): 1
- *mBio* (IF **6.784**): 3
- *Nephrology Dialysis Transplantation* (IF **4.085**): 2
- *Sleep* (IF **4.805**): 3

Books and Book Chapters

Richard Street, Jr., PhD,

- *Understanding Clinical Negotiation*

Lilian Dindo, PhD

- Acceptance and Commitment Therapy (ACT) in behavioral medicine. In: *Manual Internacional de Fundamentos Teóricos e Práticos da Terapia de Aceitação e Compromisso* [International Handbook of Theoretical and Practical Foundations of Acceptance and Commitment Therapy]
- ACT in groups. In: *The Oxford Handbook of Acceptance and Commitment Therapy*
- ACT for Chronic Health Conditions. In: *Oxford Handbook of Acceptance and Commitment Therapy*

Sara Nowakowski, PhD, CBSM, DBSM

- Sleep in women during pregnancy and postpartum. In: *Encyclopedia of Sleep Disorders and Circadian Rhythms* (2nd Ed.)
- CBT for menopause and postmenopause. In: *Adapting Cognitive Behavioral Therapy for Insomnia*

CENTERS

Center for Innovations in Quality, Effectiveness and Safety (IQuEST)

The Center for Innovations in Quality, Effectiveness and Safety (IQuEST) is one of 18 competitively awarded Centers of Innovation (COIN). Over the years, IQuEST has flourished as a research powerhouse with a growing operating budget, primarily from grants and contracts, and a national reputation for excellence in health services research, faculty development, and scientific leadership. IQuEST is the largest center for health services research in the Southwest and houses more than 200 faculty, post-

doctoral fellows, trainees, and research staff in the Texas Medical Center. IQuEST continues to manage more than \$15 million of total VA funding and \$10 million in non-VA federal and foundation funding (FY21). This year, our investigators published 321 manuscripts in 194 peer-reviewed journals and gave 240 presentations at local and national meetings. Our work has contributed to 55 papers cited in 14 Institute for Healthcare Improvement reports, 124 papers cited in 63 clinical guidelines for patient care, one paper selected by Faculty of 1000 (F1000) as one of the top 2% of all published articles in the biology and medicine sciences and five papers cited in U.S. Centers for Disease Control-recommended programs.

IQuEST provides an inclusive environment to support, mentor and develop outstanding research leaders. IQuEST research extends from patient experience to clinical practice and outcomes of care, to the development of health care policy, and has been disseminated to key policy makers, healthcare administrative leaders, influential stakeholders and the mainstream media, as well as the best academic journals and professional scientific societies. In addition, IQuEST investigators are nationally renowned for our excellence in research involving large national healthcare databases. Within the Department of Medicine at Baylor College of Medicine, we have faculty in multiple sections, including Health Services Research, Nephrology, Cardiovascular Research, Gastroenterology, Geriatrics, Rheumatology, Pulmonary/Critical Care and Infectious Diseases. In addition, our faculty is represented in several Baylor departments apart from Medicine, including Psychiatry, Pediatrics, Surgery and Physical Medicine & Rehabilitation.

Patient Safety Center of Inquiry

This multidisciplinary team at the **Patient Safety Center of Inquiry** (physicians and professionals from a range of fields - including social science, cognitive psychology, public health, internal medicine, computer science and human factors engineering) is focused on the improvement of patient safety and the reduction of diagnostic errors. They approach this goal through several methods, ranging from the development of trigger algorithms for electronic health records (EHRs) to proactively monitoring for delays in test result follow-up to the creation of guidelines for safe EHR usage in the form of the SAFER Guides. Their research is funded by a combination of government-sponsored grants (including the Agency for Healthcare Research and Quality and the Veterans Affairs Health Services Research and Development Service) and private foundation grants (such as the Gordon and Betty Moore Foundation). The team publishes their findings in various high-impact journals and disseminates their research by speaking at events and conferences throughout the country.

Health Profession Education, Evaluation and Research (HPEER)

The Advanced Fellowship in HPEER, funded through the Office of Academic Affiliations, is an interprofessional, two-year fellowship for post-doctoral and post-masters fellows in curriculum design and implementation, evaluation, and research. HPEER fellows are trained with the knowledge and skills to lead, evaluate, and transform health professions education. There are six HPEER sites located in VA hospitals across the United States. The **Coordinating Center for Health Profession Education, Evaluation and Research** was established in 2021 with leadership from Houston, TX, and White River Junction, VT, and is physically located within IQuEST at MEDVAMC and BCM. The Coordinating Center is responsible for the development and execution of a coordinated, cohesive national HPEER program, which includes curricula development and delivery, program evaluation, continuous program improvement, site support and engagement, outreach and marketing.

National VA Quality Scholars Program

Established in 1999, the national VA Quality Scholars (VAQS) Program is the leading interprofessional fellowship program in healthcare improvement throughout North America. VAQS trains clinician leaders in quality improvement at nine VA Medical Centers, as well as an affiliate site in Toronto. Faculty and fellow scholars at the sites include physicians, nurses and associated health professionals, such as pharmacists, physical therapists and clinical psychologists. Since 2015, the **Coordinating Center for the VAQS Program**, located in IQuEST at MEDVAMC and BCM, has administered a two-year national curriculum along with a range of experiential training opportunities, national program evaluation and continuous program improvement. Upon completing the program, fellows demonstrate competence in interprofessional collaboration and teamwork, improvement methods and skills, organization and system leadership for quality and safety, research, teaching and learning.

South Central Mental Illness Research, Education and Clinical Center

The mission of the **South Central Mental Illness Research, Education and Clinical Center** (SC-MIRECC) is to promote equity in engagement, access and quality of mental healthcare for veterans facing barriers to care, especially rural veterans. Their organizational structure has four major components: Research, Education, Improving Clinical Care, and Research Training. SC-MIRECC was funded in 1998 and encompasses all or parts of four states: Arkansas, Louisiana, Mississippi, and Texas. The Center has anchor sites at three medical centers in Houston, Little Rock, and New Orleans. It is closely aligned with the VISN 16 Mental Health Product Line, which oversees the delivery of mental healthcare and the facility Mental Health Directors. Drs. Mark Kunik and Michael Kauth are co-directors and members of IQuEST.

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 University of Texas 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.

SECTION OF HEMATOLOGY AND ONCOLOGY

SECTION ACCOMPLISHMENTS

- Successfully launched Hematology/Oncology grand rounds; as a part of this effort, we included a disparities series, which began with Dr. Jonathan Chism, speaking about Reflections on Racism in Post-Civil Rights America; Houston Mayor Sylvester Turner also spoke about racial tension during the pandemic
- Our section has 23 federal grants (totaling \$4.58M) and ten clinical trials (totaling \$2.56M)
- Our Third Hematologic Malignancies Symposium was held virtually



SECTION CHIEF

Martha P. Mims, MD, PhD

FACULTY

Section Leadership

- Helen Heslop, MD, Dan L Duncan Comprehensive Cancer Center (DLDDCC) Interim Director
- Martha P. Mims, MD, PhD, Chief, Section of Hematology and Oncology, Baylor College of Medicine (BCM)
- Benjamin L. Musher, MD, BA, Medical Oncology Medical Director, McNair Campus
- Sravanti Teegavarapu, MD, Hematology Medical Director, McNair Campus
- Anita Sabichi, MD, Michael E. DeBakey Veterans Affairs Medical Center Division Chief
- Courtney Miller-Chism, MD, Hematology/Oncology Fellowship Director

Faculty

Professor

- Malcolm Brenner, MD, PhD
- George Carrum, MD
- Gary C. Chamness, PhD
- Chad Creighton, PhD
- Matthew Ellis, MD, BCH, PhD
- Suzanne Fuqua, PhD
- Helen Heslop, MD
- Susan Hilsenbeck, PhD
- Rammurti Kamble, MD
- Weei-Chin Lin, MD, PhD
- Martha P. Mims, MD, PhD

- Charles K. Osborne, MD
- Carlos A. Ramos, MD
- Mothaffar Rimawi, MD
- Rachel Schiff, PhD
- Perumal Thiagarajan, MD
- Mark Udden, MD

Professor Emeritus

- Gerald Cyprus, MD
- Teresa Hayes, MD
- Edward Lynch, MD
- Joel Moake, MD
- Robert Franklin Todd III, MD, PhD

Associate Professor

- Alan R. Davis PhD, BA
- Natalie Lapteva, PhD
- Fang-Tsyr Lin, MD, PhD
- Zhuyong Mei, MD
- Nicholas Mitsiades, MD, PhD
- Ben L. Musher, MD
- Arpit Rao, MD
- Sarvari V. Yellapragada, MD

Assistant Professor

- Charu Agrawal, MD
- Tannaz Armaghany, MD
- Sita Bushan, MD
- Gloria Echeverria, PhD
- Akiva Diamond, MD
- Paige Farinholt, MD
- Jahn timer Gollamudi, MD
- Svasti Haricharan, MD
- LaQuisa Hill, MD, BS
- Valentina Hoyos, MD
- Quillan Huang, MD
- Aparna C. Jotwani, MD
- Mamta Kalidas, MD
- Salma Kaochar, PhD, BS

- Meghashyam Kavuri, MD
- Jan Kemnade, MD, PhD
- Ang Li, MD, MS, BA
- Premal Lulla, MD
- Courtney Miller-Chism, MD
- Maksim Mamonkin, PhD
- Charles Minard, PhD
- Julie Nangia, MD
- Gustavo Rivero, MD
- Yvonne Sada, MD
- Masataka Suzuki, PhD, MS, BS
- Sravanti Teegavarapu, MD
- Daniel Wang, MD, BA
- Aihua (Edward) Yen, MD

Instructor

- Michael Byrd, NP
- Margaret Crawford, NP
- Jahn timer Gollamudi, MD
- Ramon Jin, MD, PhD, BS.
- Karen Riggins, MD, PhD

Adjunct

- Powel H. Brown, MD, PhD
- Elizabeth Rogg, MD

HONORS AND ACHIEVEMENTS

Charu Agrawal, MD

- Mentioned in BCM Momentum titled “Best of Momentum”

Tannaz Armaghany, MD

- Best Oncology Teaching Service, Harris Health Hospital

Chad Creighton, MD

- Full Professor (Tenured) Primary Appointment: Department of Medicine, Section of Hematology and Oncology; Secondary Appointment: DLDOCC
- Member, American Association for Cancer Research Breast Cancer Research Grants Scientific Review Committee



Our keynote speaker for Grand Rounds, Houston Mayor Sylvester Turner, discussed racial tension during the pandemic.

- Panel Chair, Ovarian Cancer Research Program, Congressionally Directed Medical Research Program (CDMRP)
- Panel Chair, Kidney Cancer Research Program, CDMRP
- Teleconference Reviewer, National Cancer Institute Review Panel, NCI Small Business Innovation Research contract proposals

Helen Heslop, MD, PhD

- Elected Fellow of the American Society of Transplant and Cell Therapy
- Mortimer Bortin lectureship, Transplant and Cell Therapy meeting
- Interim Director, Dan L Duncan Comprehensive Cancer Center
- Chair, BMT CTN Steering Committee

LaQuisa Hill, MD

- BMT Faculty Teacher of the Year, Hematology Oncology Fellowship program

Aparna Jotwani, MD

- Best Oncology Teaching Service, Harris Health Hospital
- Accepted in Quality Training Program

Weei-Chin Lin, MD, PhD

- Best Hematology Teaching Service, Harris Health Hospital

Premal Lulla, MD

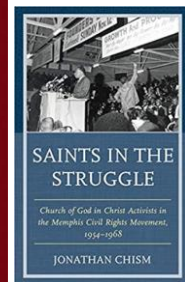
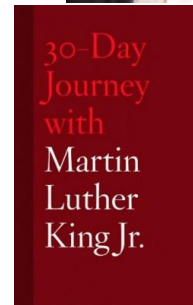
- CPRIT Scholar
- Reviewer, *Nature Medicine*
- Reviewer, *Clinical Cancer Research*
- American Society of Hematology, annual meeting abstract reviewer, Cancer Immunotherapy
- American Society of Hematology, Junior Faculty Scholar Study Section, Basic Sciences

Courtney Miller-Chism, MD

- Norton Rose Fulbright Award
- Best Hematology Teaching Service, Harris Health Hospital
- Best Oncology Teaching Service, Harris Health Hospital

Martha P. Mims, MD, PhD

- Best Subspecialty Teaching Award, Baylor St. Luke's Medical Center
- Fellows Award for best Hematology Teacher



Our keynote speaker for Grand Rounds, Dr. Johnathan Chism, gave a lecture on Reflections on Racism in Post-Civil Rights America.

- January 2021, ACOSOG Reaccreditation of Ben Taub Hospital as an Academic Comprehensive Cancer Center
- June 2021, Best Hematology Teaching Attending, Smith Clinic
- June 2021, Best Hematology Teaching Attending, Ben Taub Hospital
- June 2021, Fellows Award for Best Hematology Teaching Service, Harris Health Hospital

Nicholas Mitsiades, MD

- June 2021, Best Oncology Teaching Service, Harris Health Hospital

Benjamin Musher, MD

- 2021, STAR Faculty Award for Excellence in Patient Care
- June 2021, Best Oncology Teaching Service, Harris Health Hospital
- June 2021, Best Oncology Teaching Attending, Harris Health Hospital



The 2021 graduating fellows ceremony was held virtually through Zoom.

Arpit Rao, MD

- January 2021, Top Doctors: Rising Start – MSP St. Paul Magazine
- January 2021, Scholar (Career Development) Award, NCI/Alliance for Clinical Trials in Oncology

Karen Riggins, MD, PhD

- June 2021, Best Oncology Teaching Service, Harris Health

Mark M. Udden, MD

- June 2021, Best Hematology Teaching Service, Harris Health

Sarvari V. Yellapragada, MD

- 2021, Norton Rose Fulbright Award

RESEARCH ACTIVITIES

Grants

Gloria Echeverria, PhD

- Breast Cancer Alliance; Characterizing and targeting mitochondrial metabolism in chemoresistant triple negative breast cancer; \$62,500

Matthew Ellis, MD, BCH, PhD

- Adrienne Helis Malvin Medical Research Foundation; Kinase Inhibition For ESR1 Fusion-Driven Breast Cancer; \$200,000
- Department of Defense Congressionally Directed Medical Research Programs; Proteogenomic approaches for finding therapeutic vulnerabilities to treat breast tumors expressing transcriptionally active ESR1 fusions; \$533,333

Helen Heslop, MD

- NIH/NCI; 3P30Ca125123-14S1: Defining pathologic immune dysregulation in 2019-Cov: opportunities for risk stratification and therapeutic immune modulation (Administrative Supplement) \$400,938
- NIH/NCI; 3P30Ca125123-14S2: Cancer clinical investigator team leadership award for fiscal year 2020; \$60,000
- NIH/NCI; 3P30Ca125123-14S3: (Biocohort) - Cancer pathogenesis for pediatric kaposi sarcoma in a biocohort from Malawi; \$250,000
- NIH/NCI; 3P30Ca125123-14S4: Financial hardship-improving coordination and delivery of financial navigation services at the DLDDCC; \$150,000
- NIH/NCI; 3P30Ca125123-14S5: Modifying the home environment to promote & support child obesity prevention; \$150,000
- NIH/NCI; 3P30Ca125123-14S4: Supplement of a P01 Program Project Grant - Targeting the brain microenvironment of Glioma; \$100,000
- NIH/NCI; 3P30Ca125123-14S6: Administrative Supplements for the NCI P30 Cancer Center Support Grants to enhance data sharing in pediatric, adolescent, and young adult cancers \$470,361

LaQuisa Hill, MD

- CSL Behring; A randomized trial of Alpha 1-Antitrypsin (AAT) for treatment of high risk acute GVHD following allogeneic hematopoietic stem cell transplant protocol #1705; \$9,088

Salma Kaochar, PhD

- Systems Oncology; Laboratory Service Agreement; \$10,400

Ang Li, MD, MS

- Centers for Disease Control; Understanding risk factors and burden of Covid-19 related thrombosis and/or bleeding complications; \$71,256

Bora Lim, MD

- Chan Zuckerberg Initiative; Transfer to BCM - Human breast cell atlas seed network; \$32,301
- NIH/NCI; The role of lung resident mesenchymal stem cells in post-chemotherapy lung metastases of breast cancer; \$53,150

Weei-Chin Lin, MD, PhD

- Marsha Rivkin Center for Ovarian Cancer Research; Novel approaches to target MYC in ovarian cancer; \$37,500

Premal Lulla, MD

- CPRIT; CPRIT Early Career Clinical Investigator Award for applicant: Premal Lulla, M.D.; \$305,298
- Allovir (An Elevatebio Company US); Banked anti-SARS Cov-2 T-cell infusions for treatment of COVID-19; \$1,227,903
- Marker Therapeutics, LLC. US); Assessing the highest tolerated dose of donor-derived MTAA T-Cells for patients with AML AOR MDS; \$533,532

Martha Mims, MD, PhD

- NIH/NCI: OPTIMISE: Improving comprehensive care of cancer patients with comorbidities: Mims/Badr Co-PIs; \$414,924

Nicholas Mitsiades, MD, PhD

- Department Of Defense Congressionally Directed Medical Research Programs; Sensitization of castration resistant prostate cancer to chemotherapy via BRCA-1/BRCA-2 induced DNA replication stress; \$317,000

Benjamin Musher, MD

- PCI Biotech (Norway); A Multi-Centre, Randomised, Open-Label, Phase 2 study to assess the safety, tolerability and efficacy of Fimaporfin-induced photochemical internalisation of gemcitabine complemented by gemcitabine/cisplatin chemotherapy versus gemcitabine/cisplatin alone in patients with inoperable cholangiocarcinoma; \$39,635

Carlos Ramos, MD

- Kuur Therapeutics (UK); Anchor: Allogeneic natural killer T-Cells expressing CD19 specific chimeric antigen receptor and interleukin-15 in relapsed or refractory B-Cell malignancies; \$301,062
- Tessa Therapeutics PTE. LTD. (Singapore); Allogeneic CD30 Chimeric antigen receptor EBV-Specific T Lymphocytes (Besta); \$219,545
- Tessa Therapeutics PTE. LTD. (Singapore); Vista (Virus Specific T Cells and Adenovirus): A first in human Phase I trial of binary oncolytic adenovirus in combination with HER2-Specific CAR VST cells in patients with advanced HER2 positive solid tumors; \$136,037

Mothaffar Rimawi, MD

- Translational Breast Cancer Research Consortium (TBCRC); TBCRC 2020 BCRF; \$37,500
- Translational Breast Cancer Research Consortium (TBCRC); TBCRC 2020 SGK; \$37,500
- NIH/NCI: NRG Oncology Member Institution Clinical Trial fixed price subaward agreement; \$22,700

- Seattle Genetics; SGNTUC-016 Clinical Trial; \$36,294

Rachel Schiff, PhD

- Breast Cancer Research Foundation; BCRF 2020-2021: Mechanisms of resistance to HER2 and ER-targeted therapies and novel therapeutic strategies; \$175,000
- CPRIT; Targeting the mechanism of hyperactive FOXA1 in transcriptional reprogramming toward endocrine resistance and metastasis in breast cancer; \$299,908

Masataka Suzuki, PhD, MS

- AstraZeneca Pharmaceuticals LP (subsidiary); Combination immunotherapy with ONDY and Car T-cell for advanced NSCLC; \$787,018

Daniel Wang, MD

- Lokon Pharma AB (Sweden); Lokon003, A Phase I/II trial evaluating safety of LOAD703 in combination with atezolizumab in malignant melanoma; \$37,525

Publications

- *Acta Biomaterialia* (IF **7.242**): 2
- *Acta Neuropathologica Communications* (IF **18.174**): 1
- *American Journal of Transplantation* (IF **7.163**): 2
- *American Journal of Hematology* (IF **16.973**): 1
- *American Society of Nephrology* (IF **6.628**): 1
- *Annals Internal Medicine* (IF **25.391**): 3
- *Annals of Emergency Medicine* (IF **5.721**): 1
- *Annals of Surgery* (IF **12.969**): 1
- *Biomedicines* (IF **4.717**): 1
- *Blood* (IF **22.113**): 7
- *Blood Advances* (IF **4.910**): 3
- *Bone Marrow Transplant* (IF **4.725**): 2
- *Brain Pathology* (IF **6.624**): 1
- *British Journal of Cancer* (IF **5.791**): 2
- *British Journal of Haematology* (IF **15.518**): 2
- *Cancer Cell* (IF **26.02**): 2
- *Cancer Cell International* (IF **4.175**): 1
- *Cancer Epidemiology, Biomarkers & Prevention* (IF **4.344**): 1
- *Cancer Research* (IF **9.13**): 4
- *Cancers* (IF **6.162**): 6



Our first “in-person” graduation reception for our 2021 graduates: (left: Sara Taveras, Courtney Miller-Chism, Robert Davis, Katherine Linder, Adanma Ayanambakkam, Martha Mims, Nicole Higashiyama, Samer Al Hadidi, Nan Chen, Mark Udden, Jinyu Lu).

- *Cell* (IF **41.582**): 4
- *Cell Reports* (IF **9.423**): 2
- *Clinical Cancer Research* (IF **12.531**): 3
- *Clinical Infectious Diseases* (IF **8.313**): 1
- *Clinical Lung Cancer* (IF **4.2**): 1
- *Clinical Pharmacology & Therapeutics* (IF **7.266**): 1
- *Communications Biology* (IF **14.919**): 3
- *Current Stem Cell Reports* (IF **7.765**): 1
- *Development* (IF **5.611**): 1
- *Developmental Cell* (IF **10.092**): 1
- *Diabetes Research and Clinical Practice* (IF **4.234**): 1
- *Diabetes Technology & Therapeutics* (IF **6.118**): 1
- *EBio Medicine* (IF **8.143**): 1
- *EMBO Journal* (IF **11.598**): 1
- *Endocrine Related Cancer* (IF **5.678**): 1
- *European Heart Journal: Cardiovascular Imaging* (IF **6.875**): 1
- *European Journal of Cancer* (IF **7.275**): 1
- *European Respiratory Society Journal* (IF **12.339**): 1
- *European Society for Medical Oncology* (IF **5.329**): 1
- *European Urology* (IF **17.581**): 2
- *European Urology Oncology* (IF **18.728**): 1
- *Frontiers in Physiology* (IF **4.134**): 1
- *Frontiers in Oncology* (IF **4.848**): 2
- *Gastroenterology* (IF **22.682**): 1
- *Gut Journal* (IF **19.819**): 1
- *Health Technology Assessment* (IF **4.058**): 1
- *International Journal of Molecular Sciences* (IF **5.923**): 1
- *JACC Heart Failure* (IF **20.589**): 1
- *JAMA Oncology* (IF **31.777**): 2
- *JCI Insight* (IF **8.315**): 1
- *Journal Clinical Oncology* (IF **44.544**): 7
- *Journal of Biological Chemistry* (IF **5.157**): 1
- *Journal of General Internal Medicine* (IF **5.128**): 1
- *Journal of Immuno Therapy of Cancer* (IF **13.751**): 5
- *Journal of Molecular Cell Biology* (IF **4.000**):1
- *Journal of Neuroscience Research* (IF **4.164**): 1
- *Journal of the American Society of Echocardiography* (IF **6.852**): 1
- *Life Science Alliance* (IF **4.591**): 1
- *Molecular Cancer Research* (IF **5.852**): 2
- *Molecular Cancer Therapeutics* (IF **6.261**): 1
- *Molecular Therapy* (IF **8.986**): 4
- *NAR Cancer* (IF **11.501**): 1
- *National Comprehensive Cancer Network* (IF **7.57**): 1
- *Nature Biotechnology* (IF **54.908**): 2

- *Nature Cancer* (IF **53.030**): 1
- *Nature Communications* (IF **14.919**): 12
- *Nature Genetics* (IF **38.330**): 7
- *Nature Neuroscience* (IF **20.071**): 1
- *Neuro-Oncology* (IF **10.091**): 1
- *NPJ Breast Cancer* (IF **5.71**): 2
- *Oncogene* (IF **7.971**): 7
- *Pediatric Diabetes* (IF **4.267**): 1
- *Proceedings of the National Academy of Science of USA* (IF **11.205**): 2
- *Science Advances* (IF **14.136**): 3
- *Science Signal* (IF **8.192**): 1
- *Science Translational Medicine* (IF **16.304**): 4
- *Science* (IF **41.845**): 1
- *Small* (IF **13.281**): 1
- *Stem Cells* (IF **5.614**): 1
- *The American Journal of Medicine* (IF **4.760**): 1
- *The Journal of Allergy and Clinical Immunology: In Practice* (IF **14.110**): 1
- *The Journal of Clinical Investigation* (IF **14.808**): 2
- *The Journal of Pain* (IF **4.621**): 1
- *The Journal of the National Cancer Institute* (IF **12.589**): 3
- *The Lancet Oncology* (IF **41.16**): 2
- *The New England Journal of Medicine* (IF **74.699**): 2
- *Translational Research* (IF **5.411**): 1
- *Transplant International* (IF **4.743**): 1
- *Trends in Genetics* (IF **11.639**): 1
- *Trends in Immunology* (IF **16.687**): 2

Books and Book Chapters

LaQuisa Hill, MD, B.S.

- *Commercialization of Investigational Cell Therapy Products in Cell Therapy*

Premal Lulla, MD

- Ex vivo expanded virus and tumor specific T cells. In: *Hematology: Basic Principles and Practice*
- Neutrophil disorders. In: *The Handbook of Benign Hematology*

SECTION OF IMMUNOLOGY, ALLERGY AND RHEUMATOLOGY

SECTION ACCOMPLISHMENTS

- Outstanding growth in clinical and research programs in Allergy and Rheumatology
- Creation of a Pediatric-to-Adult Rheumatology Clinic, a clinic focused on the transition of adults with pediatric-onset rheumatic diseases
- Creation of a full-service inpatient rheumatology consultation service at Baylor St. Luke's Medical Center – Texas Medical Center Hospital
- New translational research program on allergic reactions to COVID19 vaccination
- Creation of new clinical outcomes research program in systemic lupus erythematosus at the Baylor Clinic and Harris Health System
- Continued excellence in clinical and research education



SECTION CHIEF

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

FACULTY

Section Leadership

- Sandeep K. Agarwal, MD, PhD, Chief
- Rashmi Maganti, MD – Baylor Medicine Rheumatology Medical Director
- Sanjiv Sur, MD – Baylor Medicine Allergy Medical Director

Faculty

Professor

- David B. Corry, MD
- Roger D. Rossen, MD
- Sanjiv Sur, MD
- Li-Yuan Yu-Lee, PhD

Professor Emeritus

- Donald Marcus, MD

Associate Professor

- Sandeep K. Agarwal, MD, PhD

Assistant Professor

- Kalpana Bhairavarasu, MD
- Sana Hasan, MD
- Onome Ifoeze, MD
- Evan Li, MD
- Grace Hsiao-Wei Lo, MD
- Anjali Mehta, MD
- Rashmi Maganti, MD
- Dona Poulouse, MD
- Antony Rodriguez, PhD
- Tiphany Vogel, MD, PhD

- Michael Wu, MD

Instructor

- Sebastian Bruera, MD
- Koa Hosoki, MD
- Mesias Pedroza, PhD

HONORS AND ACHIEVEMENTS

Sandeep Agarwal, MD, PhD

- Chief, Section of Immunology Allergy and Rheumatology
- Chief of Rheumatology at Harris Health System/Ben Taub Hospital
- BCM Rheumatology Fellowship Program Director
- Co-Chair, American College of Rheumatology Abstract Selection Committee, Systemic Sclerosis and Related Disorders – Basic Science
- NIH Study Section, National Institute of Arthritis and Musculoskeletal and Skin Diseases Mechanistic Ancillary Study 2020-10 Review
- NIH Study Section, 202010 ZRG1 Musculoskeletal Oral and Skin Sciences Q02, National Institute of Arthritis and Musculoskeletal and Skin Diseases
- NIH Study Section, Arthritis and Musculoskeletal, National Institute of Arthritis and Musculoskeletal and Skin Diseases
- Course Director, “Graduate Medical Education Today, Advanced Practice Seminar in Rheumatoid Arthritis,” December 2020
- Top Doctors (Rheumatology), *Houstonia* Magazine
- Castle Connolly Top Doctors (Rheumatology)
- Presented “Building Bridges Between Dermatology and Rheumatology Teams to Improve Co-Management of Psoriatic Arthritis,” CME, Orlando, FL July, 2020
- Presented “What’s new in RA: Evolving therapies and implications for optimal decision-making”. Academy of Managed Care Pharmacy (AMCP, Iowa, Kansas, Missouri, Nebraska, North Dakota, and South Dakota), September 2020
- Presented “Update in Rheumatoid Arthritis,” Baylor College of Medicine Primary Care Update 2020, Department of Family and Community Medicine, October 2020
- Presented “Pathophysiology and Natural History of Rheumatoid Arthritis”, Graduate Medical Education Today, Advanced Practice Seminar in Rheumatoid Arthritis, December 2020
- Presented “Clinical Pathological Conference, Scleroderma Renal Crisis,” Meredith Ventura and Sandeep Agarwal, Baylor College of Medicine Grand Rounds, February 2021
- Poster presentation, “Rheumatoid Arthritis Related Knowledge and Skills of Rheumatology Fellows Among 20 Academic Institutions,” Annual Meeting of the American College of Rheumatology, Convergence, 2020

David Corry, MD

- Chief of Allergy at Michael E. DeBakey Veterans Medical Center
- Presented, Baylor College of Medicine, Medicine Ground Rounds, “Airway Mycosis and the Future of Allergic Airway Disease Care,” February 11, 2021

Sana Hasan, MD

- Program Evaluation Committee Joint BCM/TCH
- Chen, X.; Paul, M.; Hasan, S. “Combination Azithromycin and Posaconazole Therapy for Allergic Bronchopulmonary Aspergillosis Update,” *Annals of Allergy, Asthma and Immunology*. Vol. 125 Issue 5 Supplement S76, November 2020

Onome Ifoeze, MD

- Member, Rheumatology Clinical Competency Committee
- Member, Rheumatology Program Evaluation Committee
- 2021 Rheumatology Teaching Faculty of the Year Award
- Associate Program Director for Rheumatology Fellowship

Shalini Jha, MD

- Director of Pediatric-to-Adult Rheumatology Clinic
- Member, Rheumatology Clinical Competency Committee
- Member, Rheumatology Program Evaluation Committee
- Associate Program Director for Rheumatology Fellowship



Dr. Evan Li received a “That’s the Way” Award for exemplary service recognition from one of his patients.

Evan Li, MD

- Associate Program Director for Adult Allergy Fellowship
- Baylor Medicine Patient Experience “That’s the Way” Award
- Presentations and Seminars Presented, including meeting seminars moderated:
 - Dermatology Grand Rounds – Urticaria 5/25/21
 - Internal Medicine Noon Conference – Atopy 6/16/21

Grace Hsiao-Wei Lo, MD, M.S.

- Chief of Rheumatology at Michael E. DeBakey Veterans Medical Center
- American College of Rheumatology, Abstract Selection Committee for the Measures and Measurement of Health Care Quality Category
- Moderator, “Osteoarthritis I: Clinical Trials” and “Osteoarthritis II: Clinical Trials” scientific sessions during the 2020 American College of Rheumatology Convergence, November 2020

- Poster presenter at ACR Convergence 2020. “Walking for Exercise May Be Symptom and Structure Modifying for Those with Established OA and with Varus Alignment - Data from the Osteoarthritis Initiative, Session: Osteoarthritis,” November 9, 2020

Antony Rodriguez, PhD

- Member, Immunology & Microbiology Graduate Program Admissions, BCM, 2019-present
- Member, Graduate School Promotions Committee, BCM, 2021-present
- Member, Literature Review in Immunology and Microbiology, IMM Program, 2019-present
- Presentations and Seminars Presented & Moderated
 - (2021) Role of let-7 in lung emphysema. Center for Translational Research on Inflammatory Diseases, Michael E. DeBakey VA Medical Center
 - (2021) The microRNA let-7bc2-cluster controls airway inflammation and emphysema in an intrinsic manner in T cells, macrophages, and alveolar type 2 epithelial cells; Non-coding RNAs: Biology and Applications, Keystone Symposia, eSymposia



Dr. Grace Lo served as the moderator of the “Osteoarthritis I: Clinical Trials” and “Osteoarthritis II: Clinical Trials” scientific sessions during the 2020 American College of Rheumatology Convergence.

Sanjiv Sur, MD

- PI of BCM site for NIAID NIH-sponsored study, COVID19 SARS Vaccinations: Systemic Allergic Reactions to SARS-CoV-2 Vaccinations (SARS)
 - <https://www.nih.gov/news-events/news-releases/nih-begins-study-allergic-reactions-moderna-pfizer-biontech-covid-19-vaccines>
 - <http://www.covidvaccine-allergy.org/study-locations#.YPhToS1h061>
 - <https://clinicaltrials.gov/ct2/show/NCT04761822>
- Served on the CSR ZRG1 IDIB-E Hypersensitivity, Allergies and Mucosal Immunology (HAMI) NIH Study section, March 2021
- Served as director of clinical services in Allergy and Immunology
- Served as course director of Keystone 1 course for BCM graduate school; designed and developed Keystone 1 course in Immunology and Microbiology, the first active learning course of its kind in the US. The course won the top award from the graduate school, July 2020-Dec 2020
- Served as course director, Keystone 2; designed and developed Keystone 2 course in advanced techniques used in research January 2021-April 2021

Tiphannie Vogel, MD, PhD

- Coordinator, Multisystem Inflammatory Syndrome Working Group

- Coalition for Epidemic Preparedness Innovation
 - Safety Platform for Emergency vaccines Brighton Collaboration
- Voting member, American College of Rheumatology Vaccine Guideline Team
- Seminars Presented
 - “Multisystem Inflammatory Syndrome in Children (MIS-C) at Texas Children’s Hospital.” Texas Children’s Hospital Heart Center’s International Webinar Series, May 2021
 - “Consequences of Therapeutic Immune Suppression: Recognition and Monitoring.” Annual Meeting of the Association of Medical Laboratory Immunologists, August 2020
 - Moderator of American College of Rheumatology Session: What Every Rheumatologist Should Know about COPA Syndrome, a New Cause of Rheumatic Disease, November 2020
 - “Clinically Unsolvable Autoinflammatory Disorder Diagnosed by RNA- and Long Read-Sequencing.” Undiagnosed Diseases Network Grand Rounds, December 2020
 - “Basics of Exome/Genome Analysis.” Clinical Immunology Society Annual Meeting, April 2021
 - “Monogenic Lupus.” Pediatric Rheumatology Symposium, May 2021
 - “Pediatric COVID-19-associated Hyper-inflammation.” Pediatrics Lecture (virtual). El Paso Children’s Hospital, El Paso, Texas, May 2020
 - “Clinically Unsolvable Autoinflammatory Disorder Diagnosed by RNA- followed by Long-read Sequencing.” The 5th Biennial William T. Shearer Innovations in Primary Immunodeficiency and Clinical Immunology Symposium, February 2021
 - “MIS-C and its Mimics.” Texas Pediatric Society Webinar, May 2021
 - “The Heart in the Storm: A Year of MIS-C Care and Outcomes at Texas Children’s Hospital.” Pediatrics Grand Rounds. Baylor College of Medicine, Houston, Texas, June 2021
- Oral Presentations
 - STAT3 gain-of-function syndrome mutations are susceptible to JAK inhibition despite a spectrum of potency. Cold Spring Harbor Laboratory JAK-STAT Pathways in Health & Disease, November 2020
 - Repeated life threatening respiratory viral infections in novel AD STAT1 LOF. Cold Spring Harbor Laboratory JAK-STAT Pathways in Health & Disease, November 2020
 - Alterations in STAT3 signaling dysregulate CD8 T cell activation. Cold Spring Harbor Laboratory JAK-STAT Pathways in Health & Disease, November 2020
 - Clinically unsolvable autoinflammatory disorder diagnosed by RNA and long read sequencing. Clinical Immunology Society Annual Meeting, April 2021
 - Investigating the impact of germline STAT3 gain-of-function on regulatory T cells. Clinical Immunology Society Annual Meeting, April 2021
- Poster Presentations
 - Extracorporeal membrane oxygenation support for ANCA-associated vasculitides. EURO ELSO Virtual Congress 2021

- National
 - Increasing transition planning tool use within the TCH rheumatology clinic. 12th annual Healthcare Transition Research Consortium Research Symposium, October 2020
 - Assessing patient self-reported transition readiness in a large pediatric rheumatology center. 12th annual Healthcare Transition Research Consortium Research Symposium, October 2020
 - A balancing act: treatment of COVID-19 and cytomegalovirus in a patient with primary immunodeficiency. American College of Allergy, Asthma & Immunology 2020 Annual Scientific Meeting, November 2020
 - The role of lung biopsy in pediatric ANCA-associated vasculitis. American College of Rheumatology Annual Meeting, November 2020
 - Assessing patient self-reported transition readiness in a large pediatric rheumatology center. American College of Rheumatology Annual Meeting, November 2020
 - Use of a best practice alert to encourage transition planning and readiness. American College of Rheumatology Annual Meeting, November 2020
 - Anti-melanoma differentiation associated protein five positive juvenile dermatomyositis: a focus on the lung. American College of Rheumatology Annual Meeting, November 2020
 - Use of rituximab to treat COPA syndrome: a multi-institutional cohort. American College of Rheumatology Annual Meeting, November 2020
 - Alterations in STAT signaling dysregulate CD8 T cell activation. American Academy of Allergy, Asthma & Immunology Annual Meeting, February 2021
 - Long-read sequencing for diagnosis in the Undiagnosed Diseases Network. American College of Medical Genetics Annual Meeting, April 2021
 - Yield of genetic testing in a large autoinflammatory disease cohort. Clinical Immunology Society Annual Meeting, April 2021
 - Hypogammaglobulinemia, macrocytosis, and pancytopenia in a patient with LIG1-deficiency. Clinical Immunology Society Annual Meeting, April 2021
 - Immune-related chronic macrothrombocytopenia, musculoskeletal abnormalities, and dysmorphic features in a patient with Takenouchi-Kosaki Syndrome. Clinical Immunology Society Annual Meeting, April 2021
 - Children with interstitial lung disease due to MDA5-juvenile dermatomyositis have elevated interferon-stimulated genes. American Thoracic Society Annual Meeting, May 2021
- Local
 - Assessment of successful healthcare transition in a rheumatology clinic. Baylor College of Medicine Department of Medicine Housestaff Research Symposium, April 2021
 - Severe pediatric COVID-19 pneumonia treated with adjuvant anakinra. Texas Children's Hospital Pediatric Research Symposium, April 2021
 - Yield of genetic testing in a large autoinflammatory disease cohort. Texas Children's Hospital Pediatric Research Symposium, April 2021
 - Exome sequencing for pediatric systemic lupus: standard of care for patients under five years old. Texas Children's Hospital Pediatric Research Symposium, April 2021

- Anti-melanoma differentiation associated protein 5 (MDA5) positive juvenile dermatomyositis: focus on the lung. Texas Children's Hospital Pediatric Research Symposium, April 2021
- The MIS-C experience at Texas Children's Hospital. Texas Children's Hospital Pediatric Research Symposium, April 2021
- Clinically unsolvable autoinflammatory disorder diagnosed by RNA and long read sequencing. Texas Children's Hospital Pediatric Research Symposium, April 2021
- Assessment of successful healthcare transition in a rheumatology clinic. Texas Children's Hospital Resident Scholarship Day, June 2021
- Exome sequencing for pediatric systemic lupus should be standard of care for patients under five years old. Texas Children's Hospital Resident Scholarship Day, June 2021
- Extracorporeal membrane oxygenation support for ANCA-associated vasculitides. Texas Children's Hospital Resident Scholarship Day: virtual.

Michael Wu, MD

- Director of Musculoskeletal Ultrasound, Rheumatology at McNair
- Rheumatology Clinical Competency Committee, Member
- Rheumatology Program Evaluation Committee, Member

RESEARCH ACTIVITIES

Grants

Sanjiv Sur, MD

- NIH/NIAID: COVID-19 SARS Vaccinations Systemic Allergic Reactions to SARS-CoV2 Vaccinations, \$418,385

Tiphany Vogel, MD, PhD

- Ligums Family Transition Medicine Grant, Completing the BRIDGE from Pediatric to Adult Rheumatology, \$10,000
- R61HD105593 NIH AI CORE-kids: Artificial Intelligence COVID Risk Assessment for kids, \$817,546
- 1 U01 HG007709-01 NIH, BCM Clinical Site for an Undiagnosed Diseases Network (UDN)

Publications

- *Annals of Rheumatic Disease* (IF **19.103**): 1
- *American Journal of Respiratory and Critical Care Medicine* (IF **21.405**): 1
- *American Journal of Transplant* (IF **8.086**): 1
- *Arthritis Care Res (Hoboken)* (IF **4.794**): 2
- *Current Opinion in Microbiology* (IF **7.934**): 2
- *EMBO Reports* (IF **7.497**): 1
- *Frontiers in Immunology* (IF **7.561**): 1

- *iScience* (IF **4.447**): 1
- *Joint Bone Spine* (IF **4.929**): 1
- *Journal of Allergy and Clinical Immunology* (IF **10.793**): 2
- *Journal of Biological Chemistry* (IF **5.157**): 1
- *Journal of Clinical Immunology* (IF **8.317**): 1
- *Journal of Clinical Investigation* (IF **14.808**): 1
- *Journal of Fungi (Basel, Switzerland)* (IF **5.816**): 1
- *Journal of Rheumatology* (IF **4.666**): 3
- *Nature Reviews. Immunology* (IF **53.106**): 1
- *Oncogene* (IF **7.97**): 1
- *Oncotarget* (IF **5.168**): 1
- *Rheumatology (Oxford, England)* (IF **7.580**): 1
- *Scientific Reports* (IF **47**): 1

CENTERS

Biology of Inflammation Center

Founded in 2002, the **Biology of Inflammation Center** is dedicated to the support of translational immunology research at Baylor College of Medicine 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.

SECTION OF INFECTIOUS DISEASES

SECTION ACCOMPLISHMENTS

- Infectious Disease faculty have taken a leadership role in the national response to the novel coronavirus pandemic caused by Severe Acute Respiratory Coronavirus-2 (SARS CoV-2). The Vaccine Research Center at Baylor College of Medicine (BCM), 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. El Sahly, principal investigator of the Vaccine Research Center, is national co-principal investigator of the phase three study of the Moderna vaccine.
- Infectious Disease faculty have played major roles in BCM's response to the novel coronavirus pandemic, 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, 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 and the Department of Health and Human Services Panel on Antiretroviral Guidelines for Adults and Adolescents; members on NIH review panels; and in leadership committees of the Infectious Diseases Society of America and the American Society of Tropical Medicine and Hygiene.
- Clinical highlights include participating in new "long COVID" multi-disciplinary services at Baylor Medicine and MEDVAMC, participating in multi-disciplinary transplant infectious diseases services at BSLMC.
- 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 142 peer-reviewed publications and 13 book chapters and the primary members of the Section had more than \$13,533,835 in new funding during 2020-2021.



SECTION CHIEF

***Thomas Giordano, MD,
MPH***

FACULTY

Section Leadership

- Thomas Giordano, MD, MPH, Chief of the Section of Infectious Diseases and Medical Director at Thomas Street Health Center (Harris Health System's HIV Clinic)
- Robert Atmar, MD, Chief, Ben Taub Hospital and Smith Clinic
- Muhammad Rizwan Sohail, MD, FIDSA, Medical Director for the Baylor Faculty Group Practice
- Maria Rodriguez-Barradas, MD, Chief, MEDVAMC
- Jose Serpa-Alvarez, MD, MS, Program Director for the Infectious Diseases fellowship training program
- Prathit Kulkarni, MD, FACP, Associate Program Director for the Infectious Diseases fellowship training program

Faculty

Primary

Distinguished Professor

- Daniel Musher, MD

Professor

- Robert Atmar, MD
- Thomas Giordano, MD, MPH
- Richard Hamill, MD
- Maria Rodriguez-Barradas, MD
- Muhammad Rizwan Sohail, MD, FIDSA
- Edward Young, MD*

Associate Professor

- Mayar Al Mohajer, MD, MBA
- Penny Jaffe, MD
- George Robert Parkerson, MD, MPH
- Jose Serpa-Alvarez, MD, MS

Assistant Professor

- Monisha Arya, MD, MPH
- Katherine Breaux, MS
- Galant Chan, MD
- Andrew Chou, MD
- Eva Clark, MD, PhD
- Bich Dang, MD

- Yuriko Fukuta, MD, PhD
- Melanie Goebel, MD
- Ahmed Hamdi, MD
- Marion Hemmersbach-Miller, MD, PhD
- Andrew Hunter, PharmD
- Prathit Kulkarni, MD
- Tyler Lambing, MD
- Cezarina Mindru, MD
- Shital Patel, MD
- Alison Robins, MD
- Stacey Rose, MD
- Shahriar Tavakoli Tabasi, MD
- Huan Xu, MD
- Instructor
- Oyebunmi Kutemi, NP, MS, MSN, AGNP-C
- Margaret White, NP, MSN, MPH

* deceased

Co-Primary

Professor

- Hana El Sahly, MD
- Mary Estes, PhD
- Wendy Keitel, MD
- Andrew Rice, PhD

Assistant Professor

- Jennifer Whitaker, MD

Secondary**Associate Professor**

- Kenneth Muldrew, MD, MPH

Assistant Professor

- Andrew DiNardo, MD, MS

- Rojelio Mejia, MD
- Jill Weatherhead, MD, MS

Emeritus

- Thomas Cate, MD*
- Robert Couch, MD
- Temple Williams, MD

*deceased

HONORS AND ACHIEVEMENTS

Mayar Al Mohajer, MD, MB

- Election to Fellowship (F.A.C.H.E.), American College of Healthcare Executives (ACHE)
- Election to Fellowship (F.S.H.E.A.), Society for Healthcare Epidemiology of America (SHEA)
- Norton Rose Fulbright Faculty Excellence Award (Teaching and Evaluations)
- Norton Rose Fulbright Faculty Excellence Award (Development of Enduring Educational Materials)
- Selected to be chief of infectious diseases at BSLMC

Monisha Arya, MD

- Selected to participate in and won a national two-day health campaign design contest sponsored by Society for Health Communication and Westat to promote HPV vaccination

Eva Clark, MD, PhD

- Selected as Associate Director of Medical Education at BCM's National School of Tropical Medicine

Bich Dang, MD

- Norton Rose Fulbright Faculty Excellence Award

Thomas Giordano, MD, MPH

- Key Opinion Leader, Houston Fast-Track City Initiative, International Associate of Providers in AIDS Care, 2020 to present

Ahmed Hamdi, MD

- Baylor Medicine Patient Experience “That’s the Way” Award

Prathit Kulkarni, MD, FACP

- Professional Educator Appreciation and Recognition Award from the School of Medicine Curriculum Committee (August 2020)
- Served as faculty supervisor for first place poster in Educational Research category in the Henry JN Taub & JK Alexander Medical Student Research Symposium, Baylor College of Medicine (March 2021)

Stacey Rose, MD, FACP

- Norton Rose Fulbright Faculty Excellence award: Teaching and Evaluation
- Norton Rose Fulbright Faculty Excellence award: Enduring Materials
- BCM Outstanding Faculty Award (one of five faculty selected by graduating medical students)
- Texas SuperDoctors Rising Stars 2020
- Top Doctors 2020, *Houstonia* Magazine

Jose Serpa-Alvarez, MD

- Appointed Chair of the Intestinal and Tissue Helminths/Cestodes Subcommittee of the ASTMHS Scientific Committee

RESEARCH ACTIVITIES

Grants

Robert Atmar, MD

- NIH UM1AI148684S2; SARS-COV-2 Vaccine and Therapeutic Development; \$28,333

Andrew DiNardo, MD, MS

- John S. Dunn Foundation; CRISPR/Cas9; \$100,000
- Texas A&M; BCG as Defense Against SARS-COVID19; \$372,854

Yuriko Fukuta, MD

- Department of Defense; Convalescent Plasma to Stem Coronavirus; \$1,521,539

Thomas Giordano, MD, MPH

- NIH/NIAID; Training Program in Infection and Immunity; \$1,184,466
- NIH/NIMH; Targeting HIV Retention and Improved Viral load through Engagement ('THRIVE'); \$450,000
- NIH; Texas Developmental Center for AIDS Research (D-CFAR); \$4,285,958

Prathit Kulkarni, MD, FACP

- Vessel Health, Inc.; Vessel at home testing platform using SARS-CoV-2 IgG/IgM rapid test kit sample matrix equivalency study; \$39,295
- Michael E. DeBakey VA Medical Center; Impact of COVID-19 on rounding patterns; \$50,000

- VA Office of Research and Development; VA CURES-1; \$126,621

Maria Rodriguez-Barradas, MD

- CDC; Active Surveillance to Quantify the Burden of Viral Gastroenteritis in US Veterans Affairs (VA) Patient Population; \$1,715,358

Jose Serpa-Alvarez, MD

- Janssen Scientific Affairs, LLC; 2020 IDSA Annual Meeting Travel Grant; \$2,025
- University of Texas Health Science Center at Houston; SRA; \$37,717

Jennifer Whitaker, MD

- NIH/NIAID (El Sahly VTEU PI); Site PI; Supplement funds for Gritstone SARS-CoV-2 phase 1 vaccine trial; \$444,364
- NIH/NIAID (El Sahly VTEU PI) ; Site Co-PI with C. Mary Healy; Supplement funds for Novavax SARS-CoV-2 phase 3 vaccine trial; \$3,486,400

Publications

- *AIDS* (IF **4.511**): 2
- *American Journal of Medicine* (IF **4.76**): 2
- *American Journal of Public Health* (IF **6.464**): 1
- *Annals of Cardiothoracic Surgery* (IF **4.101**): 1
- *Annals of Internal Medicine* (IF **21.317**): 2
- *Annals of Rheumatic Diseases* (IF **12.35**): 1
- *Cell Medicine* (IF **38.637**): 1
- *Clinical Infectious Diseases* (IF **8.313**): 13
- *Clinical Microbiology and Infection* (IF **7.117**): 1
- *Emerging Infectious Diseases* (IF **6.259**): 1
- *European Respiratory Review* (IF **6.22**): 1
- *European Respiratory Journal* (IF **12.339**): 2
- *European Urology Oncology* (IF **6.3**): 1
- *Frontiers in Immunology* (IF **6.76**): 2
- *Heart* (IF **5.213**): 1
- *Hepatology* (IF **14.679**): 1
- *JACC Clinical Electrophysiology* (IF **4.086**): 1
- *Journal of Antimicrobial Chemotherapy* (IF **5.217**): 1
- *Journal of Biological Chemistry* (IF **5.157**): 1
- *Journal of Clinical Investigation* (IF **11.864**): 1
- *Journal of Infectious Diseases* (IF **4.603**): 8
- *Journal of Medicine Internet Research* (IF **5.03**): 1
- *Journal of the American Heart Association* (IF **4.66**): 1
- *Journal of Virology* (IF **4.501**): 2
- *Mayo Clinic Proceedings: Innovations, Quality and Outcomes* (IF **7.616**): 2

- *Mayo Clinic Proceedings* (IF **6.942**): 3
- *mBio Journal* (IF **6.784**): 1
- *MMWR* (IF **11**): 2
- *mSphere* (IF **4.282**): 1
- *Nature Immunology* (IF **20.479**): 1
- *New England Journal of Medicine* (IF **74.699**): 7
- *Pediatric* (IF **5.359**): 1
- *Proceedings of the National Academy of Sciences of the United States of America* (IF **9.412**): 2

Books and Book Chapters

Eva Clark, MD, PhD

- Toxocara. In: *Neglected Tropical Diseases - North America*, 1st Ed.
- Malignant Diseases in HIV. In: *Fundamentals of HIV Medicine 2020*
- Viral and Rickettsial Diseases. In: *Current Medical Diagnosis and Treatment 2021*, 60th Ed.

Yuriko Fukuta, MD

- Recovery after acute SARS-CoV-2 infection: Review of long-term sequelae and approach to clinical management. In: *COVID 19 infection and Human health risks*.

Daniel Musher, MD

- Etiology of Pneumonia. In: UpToDate
- Pneumococcal pneumonia in patients requiring hospitalization. In: UpToDate
- Pneumococcal vaccination in adults. In: UpToDate
- Invasive pneumococcal (*Streptococcus pneumoniae*) infections and bacteremia. In: UpToDate
- Resistance of *Streptococcus pneumoniae* to beta-lactam antibiotics. In: UpToDate
- Resistance of *Streptococcus pneumoniae* to the macrolides, azalides, lincosamides, and ketolides. In: UpToDate
- Resistance of *Streptococcus pneumoniae* to the fluoroquinolones, doxycycline, and trimethoprim-sulfamethoxazole. In: UpToDate

Stacey Rose, MD, FACP

- Mycotic infections. In: *Current Medical Diagnosis and Treatment*, 2019, 2020, 2021 editions

Jennifer Whitaker, MD

- Tuberculosis and HIV. Heartland National TB Center and Mayo Clinic, 2020: In: *The Spectrum of Tuberculosis from Infection to Disease, TB at a Glance, 3rd Ed.*

CENTERS

The Texas Developmental Center for AIDS Research

The **Texas Developmental Center for AIDS Research** (Texas D-CFAR) was funded by NIH in April 2021 and is administratively housed in the Section of Infectious Diseases. Dr. Giordano is Director of the Texas D-CFAR. The Texas D-CFAR supports the overall mission of the national CFAR program by facilitating high-priority HIV research and supporting the effort to end the HIV epidemic in the US. Three institutions collaborate in this D-CFAR: Baylor College of Medicine in Houston, The University of Texas Health Science Center at Houston and the Texas Biomedical Research Institute in San Antonio. The Texas D-CFAR has focused its activities in the five-year funding period on the research theme “Ending HIV and Optimizing HIV Health in Texas.”

To accomplish its goals, the Texas D-CFAR:

- Provides organizational and financial management and facilitates activities and programs that strengthen and enrich the D-CFAR research and intellectual environment
- Supports targeted high-priority interdisciplinary pilot research projects, assists in responding to new HIV-related research initiatives, and facilitates research on ending HIV and improving health of PWH in Texas
- Provides state-of-the-art expertise, advice, and services to facilitate the range of HIV-related research for D-CFAR investigators.

The Texas D-CFAR has an Administrative Core, a Developmental Core, a Basic Science Core and a Clinical and Biostatistics Core to meet investigator needs and catalyze innovative research. The scientific Cores build on outstanding strengths in virology, non-human primate resources, clinical trials research and biostatistics. The D-CFAR will engage a Community Advisory Board and Internal and External Advisory Boards for guidance. The Community Advisory Board is expected to be seated by December 2021. Coupled with outstanding institutional support, the D-CFAR stimulates new research and collaborations among basic, translational, clinical, health services and public health researchers. The D-CFAR significantly advances knowledge needed to end HIV and improve the health of PWH in Texas and similar areas, train the next generation of scientists, and grow into a full CFAR, thereby contributing to ending the HIV epidemic in Texas, the US South, and beyond.

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, or RSV) 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

The **Center for Innovations in Quality, Effectiveness & Safety (IQuESt)** is a combined Baylor and a VA Health Services Research & Development Center of Innovation. It 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 health care policy, and has been disseminated to key policy makers, health care 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 health care delivery that impacts policy, practice and the health of patients and populations; **Implementation:** To disseminate and implement these innovations in health care delivery; and **Mentorship:** To train and mentor researchers and leaders in healthcare delivery science.

Infectious Diseases faculty who are members of IQuESt include Drs. Monisha Arya, Eva Clark, Bich Dang, and Thomas Giordano.

SECTION OF NEPHROLOGY

SECTION ACCOMPLISHMENTS

- The Section of Nephrology turned a year of pandemic-imposed challenges into a year of remarkable opportunity. Colleagues in the clinical mission area experienced unprecedented inpatient patient volumes from COVID-19-induced acute kidney injury, high volumes of dialysis patients requiring hospitalization with COVID-19 infection, and had to manage kidney transplant patients and candidates for transplantation in the presence of a vicious virus. Despite this, the Nephrology Faculty of Baylor Medicine continued their rapid growth, increasing their clinical activities and launching a new Inpatient Consult Service at CHI St. Luke's Sugar Land Hospital, and finished the year 2020 strong with >100 successful kidney transplants at BSLMC.
- We capitalized on the research opportunities that came with COVID-19, including a successful NIH grant application led by Dr. Kevin Erickson that garnered a large R01 grant focused on studying the impact of the adoption of telehealth on the care experiences and outcomes of patients undergoing hemodialysis.
- Section faculty continued their involvement on KDIGO clinical guideline panels: Dr. Navaneethan served as topic lead in the new KDIGO Guideline on the Management of Diabetes in CKD and Dr. Awan was appointed to the workgroup for the update of the KDIGO Guideline on Hepatitis C and CKD. Dr. Winkelmayer continues to serve as KDIGO Co-Chair.
- In the education mission domain we added a 10th clinical fellowship slot with a new rotation focused on onco-nephrology in collaboration with our colleagues at the MD Anderson Cancer Center. And we had a particularly successful subspecialty match in which we attracted an outstanding and diverse class of 2023.
- The last 18 months were also bittersweet in that three of our Greats in Nephrology retired, after a cumulative >100 years of service at Baylor: Drs. Garabed Eknayan, William E. Mitch, and Horacio J. Adrogué. All three are now Distinguished Emeritus Professors and we have had the opportunity to launch strong fundraising efforts to celebrate and eternalize their services to the Baylor and global kidney communities.



SECTION CHIEF

***Wolfgang C. Winkelmayer,
MD, MPH, ScD***

FACULTY

Section Leadership

- Wolfgang C. Winkelmayer, MD, Sc.D. Section Chief
- Elizabeth J. Fitzgerald, MPA Section Administrator

Clinical Leadership

- Horacio J. Adrogué, MD (HMH)
- Venkat Ramanathan, MD (Michael E. DeBakey VA Medical Center [MEDVAMC])
- Sai K. Saridey, MD (TCH PfW)
- David Sheikh-Hamad, MD (Harris Health)
- Jingyin Yan, MD, PhD (Baylor Medicine and BSLMC)
- Bhamidipati V.R. Murthy, MD (BSLMC Kidney Transplant Medical Director)
- Nila Alvaro (BSLMC McNair Campus, Kidney Health Clinic Manager)

Clinical Fellowship Leadership

- Rajeev Raghavan, MD (Program Director)
- Maulin K. Shah, MD (Deputy Program Director)
- Linda Johnston (Program Coordinator)

Faculty

Professor

- George Dolson, MD
- Paul Klotman, MD
- Sankar D. Navaneethan, MD
- Venkat Ramanathan, MD
- David Sheikh-Hamad, MD

Distinguished Professor Emeritus

- Horacio J. Adrogué, MD
- Garabed Eknoyan, MD
- William E. Mitch, MD

Associate Professor

- Jizhong Cheng, MD
- Zhaoyong Hu, MD
- Bhamidipati Murthy, MD
- Jingbo Niu, MD
- Jose J. Perez, MD
- Rajeev Raghavan, MD
- Sai K. Saridey, MD
- Jingyin Yan, MD, PhD

Assistant Professor

- Aggarwal, Nidhi, MD
- Medha Airy, MD
- Sehrish Ali, D.O.
- Siloe M. Alvarado, MD
- Samaya J. Anumudu, MD
- Ahmed Arslan Yousuf Awan, MD
- Kevin F. Erickson, MD
- L. Parker Gregg, MD
- Michael W. Holliday, Jr., MD, PhD
- Deborah P. Hyink, PhD
- Pascale Khairallah, MD
- Qingtian Li, PhD
- Jenny Szu-Chin Pan, MD
- Maulin K. Shah, MD
- Sandhya S. Thomas, MD
- Bryan M. Tucker, D.O.
- Chandan Vangala, MD
- Carl P. Walther, MD
- Liping Zhang, PhD

HONORS AND ACHIEVEMENTS

Nidhi Aggarwal, MD

- Selected FASN

Sehrish Ali, DO

- 2021 Women of Excellence Award Recipient, March 2021
- Appointed Associate Program Director, Nephrology Fellowship Program
- Appointed Houston Methodist Hospital Baylor Medicine Nephrology group Medical Director

Siloe Alvarado, MD

- Baylor Medicine Patient Experience “That’s the Way” Award
- Appointed Renal Course Associate Director
- Appointed Renal Elective Director

Samaya Anumudu, MD

- 2020 Women of Excellence Award
- Fellow of American Society of Nephrology (Aug 2020)
- Early Career Faculty Award for Excellence in Patient Care (Dec 2020)
- 2021 Distinguished Educator Award
- Appointed as BCM Inclusion and Equity Ambassador

Jizhong Cheng, MD

- Participated in Special Emphasis Panel, Scientific Review Group: ZRG1 DKUS-B 11 on Renal and Urological sciences small business activities

Kevin Erickson, MD

- Participated in the “Kidney Disease Improving Global Outcomes (KDIGO) Controversies Conference on Home Dialysis”
- Organized and participated in annual Technical Expert Panels (TEPs) on reform of the ESRD Prospective Payment System – for the Centers for Medicare and Medicaid Services (CMS) through their contractors
- Organized and participated in a TEP on resource use metrics for the CMS Kidney Care First value-based payment model – for the CMS through their contractors

Pascale Khairallah, MD

- Faculty Teaching Award, Section of Nephrology, Baylor College of Medicine

Sankar Navaneethan, MD

- Associate Editor, *American Journal of Kidney Diseases*
- Associate Editor, *CardioRenal Medicine*
- Section Editor, *Current Opinion in Nephrology and Hypertension*
- Editorial board member, *Clinical Journal of the American Society of Nephrology*, *American Journal of Nephrology*
- Member of KDIGO 2020 Clinical Practice Guideline for Diabetes Management in Chronic Kidney Disease

Jose Perez, MD

- Top Doctor 2021, *Houstonia Magazine*

- Appointed Chief of Renal Services, Ben Taub Hospital

Maulin Shah, MD

- Selected FASN
- Early Career Faculty Award for Excellence in Patient Care
- Appointed Program Director, Nephrology Fellowship Program

Bryan Tucker, MD

- Best subspecialty teaching attending at McNair
- Accepted into the 2021-23 Master Teacher Fellowship Program (MTFP) Cohort

Chandan Vangala, MD

- Early Career Faculty Award for Excellence in Patient Care

Carl Walther, MD

- American Journal of Kidney Diseases Reviewer Hall of Fame
- Selected to ABIM Nephrology Item Writing Task Force

Wolfgang Winkelmayr, MD, MPH, ScD

- Co-Chair, Kidney Disease: Improving Global Outcomes (KDIGO), the leading global clinical practice guideline agency in kidney health
- Associate Editor, *Journal of the American Medical Association* (JAMA)
- Elected Member, American Society of Clinical Investigation
- Elected Member, American Clinical and Climatological Association
- Executive Steering Committee member, INNO2VATE and PRO2TECT trials of vadadustat versus darbepoetin alfa for anemia in chronic kidney disease (both published in the New England Journal of Medicine)

RESEARCH ACTIVITIES

Grants

Kevin Erickson, MD

- NIH/NIDDK; The Effects of Telemedicine on Health Outcomes, Costs, and Perceptions of Care Delivery in In-Center Hemodialysis; \$445,000

Sankar Navaneethan, MD

- VA-HSR&D; Optimizing Renin Angiotensin System Blocker Use among Veterans with Kidney Disease; \$1,199,010
- VA-HSR&D; CKD Cascade of care;
- VA-HSR&D; Medicaid Expansion and Quality, Utilization and Coordination of Health Care for Veterans with Chronic Kidney Disease; \$1,198,618

Sandhya Thomas, MD

- NIH/NHLBI; Mechanisms underlying atrial fibrillation associated with chronic kidney disease; \$1,500,000

Carl Walther, MD

- NIH/NIDDK; The kidney in advanced heart failure and durable mechanical circulatory support: phenotypes, prediction, and pathophysiology; \$370,000

Publications

- *American Heart Journal* (IF **4.749**): 1
- *American Journal of Kidney Diseases* (IF **6.653**): 18
- *American Journal of Transplantation* (IF **7.163**): 1
- *Annals of Internal Medicine* (IF **25.391**): 3
- *Cardiovascular Research* (IF **8.168**): 1
- *Circulation* (IF **23.603**): 1
- *Clinical Journal of the American Society of Nephrology* (IF **6.628**): 7
- *Clinical Kidney Journal* (IF **4.452**): 10
- *Critical Care Medicine* (IF **7.598**): 4
- *Cochrane Database of Systematic Reviews* (IF **9.266**): 1
- *Diabetes Research and Clinical Practice* (IF **5.602**):
- *European Heart Journal* (IF **22.673**): 1
- *European Radiology* (IF **4.101**): 1
- *Hypertension* (IF **7.017**): 5
- *Intensive Care Medicine* (IF **17.679**): 1
- *JCI Insight* (IF **8.315**): 4
- *Journal of Bone and Mineral Research* (IF **6.741**): 1
- *Journal of the American Medical Association* (IF **56.272**): 5
- *Journal of the American Heart Association* (IF **5.501**): 2
- *Journal of the American Society of Nephrology* (IF **10.121**): 8
- *Kidney International* (IF **8.395**): 13
- *Kidney International Reports* (IF **4.164**): 5
- *Mayo Clinic Proceedings* (IF **6.942**): 1
- *Modern Pathology* (IF **6.365**): 1
- *Nature Reviews Nephrology* (IF **19.68**): 1
- *Nephrology Dialysis Transplantation* (IF **4.085**): 14
- *The BMJ* (IF **39.890**): 1
- *The New England Journal of Medicine* (IF **74.699**): 2
- *Scientific Reports* (IF **4.379**): 1
- *Translational Research* (IF **5.411**): 2
- *Transplantation* (IF **4.743**): 2

Books and Book Chapters

Nidhi Aggarwal, MD

- Diabetes and Kidney Disease: A Review of the Clinical Practice Guidelines. In: *Diabetes and Kidney Disease*

Samaya Anumudu, MD

- Nephrology in the United States of America. In: *Nephrology Worldwide*

Ahmed Awan, MD

- Integrative Approach in Chronic Kidney Disease. In: *Nutrition, Fitness, and Mindfulness*

SECTION OF PULMONARY, CRITICAL CARE AND SLEEP MEDICINE

SECTION ACCOMPLISHMENTS

- 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 and The Michael DeBakey Veterans Affairs Medical Center. Over the last year, we have expanded the number of critical care faculty to address the increasing demands related to the COVID-19 pandemic and created outpatient clinics to provide long-term care for covid patients with Post Covid and Clinic at Home programs. All pavilions have initiated new lung cancer screening programs. Our programs are nationally ranked as a high performing level in Pulmonology and Lung Surgery.
- We have world-class clinical training programs that provide outstanding educational opportunities through multiple academic series, including Pulmonary, Critical Care and Sleep Medicine Grand Rounds, which has featured local, national, and internationally recognized speakers. Over the last year, several faculty members were appointed to educational leadership positions nationally and across the college, several others received College education awards including the prestigious Barbara and Corbin J. Robertson, Jr. Presidential Award for Excellence in Education.
- 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 (*NEJM*, *JAMA*, *Nature Communications*, and *Science Translational Medicine*) and top-rated pulmonary subspecialty journals (*AJRCCM*, *ERJ*, *Chest*, and *AJRCMB*). Our faculty successfully led research programs in COVID-19 pneumonia and participated in novel vaccination and biomarker research COVID-19 studies. In the last year our research faculty was awarded total direct and indirect research support of \$10.5 million from federal and private research grants issued in FY21. Research training is an integral part of our fellowships, trainees interested in pursuing a clinician scientist track are supported through multiple NIH-NHLBI T32 grants.



SECTION CHIEF

Ivan O. Rosas, MD

FACULTY

Section Leadership

Baylor Medicine/Baylor St. Luke's Medical Center

- Ivan O. Rosas, MD, Section Chief
- Fidaa Shaib, MD, Baylor Medicine Director
- Muhammad Asim Siddique, MD, MICU Director
- Prasad Manian, MD, Director and Associate Chief for Clinical Affairs
- Puneet Garcha, MD, Lung Transplant Director

Ben Taub Hospital

- Nicola Hanania, MD, Interim Chief Ben Taub Hospital
- Philip Alapat, MD, Pulmonary Critical Care and Sleep Fellowship Director
- Kalpalatha Guntupalli, MD, Critical Care Fellowship Director

Michael E. DeBakey VA Medical Center

- Venkata Bandi, MD, Chief Michael E. DeBakey VA Medical Center

Faculty

Baylor Medicine/Baylor St. Luke's Medical Center

Professor

- Maher Baz, MD
- James Herlihy, MD
- Prasad Manian, MD
- Ivan O. Rosas, MD

Associate Professor

- Puneet Garcha, MD
- Sara Nowakowski, PhD
- Fidaa Shaib, MD

Assistant Professor

- Fatima Adhi, MD
- Kumar Anupam, MD
- Jairo Barrantes – Perez, MD
- Tara Barto, MD
- Andrea Braun, MD
- Sunjay Devarajan, MD

- Modi Dipaben, MD
- Muhammad Hayat Syed, MD
- Timothy Hotze, MD
- Christopher Howard, MD
- Ali Jiواني, MD
- Minkyung Kwon, MD
- Gloria Li, MD
- Thomas Monaco, MD
- Christopher Morgan, MD
- Madhu Nair, MD
- Ali Omranian, MD
- Justin Segraves, MD
- Muhammad Asim Siddique, MD
- Trevino Castillo Sergio, MD
- Helina Wakwaya, MD
- Annise Wilson, MD
- Tianshi David Wu, MD

Instructor

- Jessica Farrell, NP

- Edward Hatrick, NP

Ben Taub Hospital

Professor

- Kalpalatha Guntupalli, MD

Associate Professor

- Nicola Hanania, MD

Assistant Professor

- Muhammad Adrish, MD
- Philip Alapat, MD
- Elizabeth Guy, MD
- Amy Heibel, MD
- Babith Mankidy, MD
- Dharani Narendra, MD
- Elaine Palacios, MD
- Purvesh Patel MD
- Pralay Sarkar, MD

Michael E. DeBakey VA Medical Center

Professor

- Farrah Kheradmand, MD
- Rolando Rumbaut, MD, PhD
- Amir Sharafkhaneh, MD, PhD
- Bandi Venkata, MD

Associate Professor

- Christina Kao, MD, PhD
- Charlie Lan, MD
- Kanta Velamuri, MD

Assistant Professor

- Ritwick Agrawal, MD
- Uma Ayyala, MD
- Stephen Bujarski, MD
- Ray Lazarus, MD
- Shahram Moghtader, MD
- Lavannya Pandit, MD
- Supriya Singh, MD

Pavilion for Women

Assistant Professor

- Muhammad Asim Siddique, MD

Non-Clinician Research

Professor

- Aladin Boriek, PhD

Assistant Professor

- Lindsay Celada, PhD
- Freddy Romero, PhD
- Konstantin Tsoyi, PhD

Instructor

- Mustafa Atik, MD, PhD
- Liang Xiaoliang, PhD

HONORS AND ACHIEVEMENTS

Ritwick Agrawal, MD

- 2021 Baylor College of Medicine Star Patient Care Award
- 2021 Star Awards for Excellence in Patient Care
- Norton Rose Fulbright Faculty Excellence Award for Teaching and Evaluation

Philip Alapat, MD

- Norton Rose Fulbright Award for Faculty Excellence in the category of Educational Leadership
- Norton Rose Fulbright Faculty Excellence Award for Teaching and Evaluation
- Top Doctors, *Houstonia* Magazine

Uma Ayyala, M.D

- Norton Rose Fulbright Faculty Excellence Award for Teaching and Evaluation
- Selected as one of six winners of the spring 2021 Institutional Committee At-Large Faculty Elections
- Named Associate Chief of Staff for Education at the VA Medical Center

Jairo Barrantes-Perez, MD

- Re-appointed to the AASM public safety committee

Andrea Braun, MD

- FCCP designation (Fellow of the American College of Chest Physicians)
- Chest Hall of Heroes
- Appointed to APCCMPD (Association of Pulmonary and Critical Care Medicine Program Directors) Interview Task Force, spring 2021 (developed recommendations for PCCM and CCM fellowship interviews)
- Appointed to APCCMPD Education Committee
- Appointed to Chest Education Outcomes Subcommittee
- Elected to Institutional Policy Committee Member, Baylor College of Medicine
- Elected to Baylor Faculty Senate, member-at-large
- Selected for Master Teachers Fellowship Program, Baylor College of Medicine
- Appointed to ABIM Critical Care Item Writing Task Force

Steve Bujarski, MD

- Norton Rose Fulbright Award for Teaching and Evaluation

Sunjay Devarajan, MD

- Top Doctors 2021, *Houstonia* Magazine

Fidaa Shaib, M.D

- Elected to the Board of Governors At-Large at Baylor Medicine
- *Houstonia* Magazine's Top Docs
- Named designated member of the Inclusion and Excellence Council

Puneet Garcha, MD

- Appointed to the American Thoracic Society's Clinicians Advisory Committee for 2021-2022
- Appointed to the editorial board of The Journal of Heart Lung Transplantation 2021 – 2024
- MBA, graduated from Ross School of Business, May 2021

Elizabeth Guy, MD

- 2021 Baylor College of Medicine Women of Excellence award

Christopher Howard, MD

- Top Doctor (Critical Care Medicine), *Houstonia* Magazine

Kalpalatha Guntupalli, MD

- Hero award - Gold Pin awarded in recognition of exceptional leadership during the COVID-19 epidemic
- Recognized in CHEST COVID Hall of Heroes
- Co-developer of medical telehealth consultant during India's COVID-19 crisis

Christina Kao, MD, PhD

- Top Doctors, *Houstonia* Magazine
- Norton Rose Fulbright Award for Educational Leadership
- Norton Rose Fulbright Award for Enduring Educational Materials

Farrah Kheradmand, MD

- 2021 American Thoracic Society Recognition Award for Scientific Accomplishments

Charlie Lan, MD

- Top Doctors 2021, *Houstonia* Magazine
- Appointed Associate Chief of Staff at the VA Medical Center

Prasad Manian, MD

- Top Doctors, *Houstonia* Magazine
- Super Doctor, *Texas Monthly* magazine

Babith Mankidy, MD

- PCCM Fellows BTH Faculty of the Year Award 2020-2021

Thomas Monaco, MD

- Selected to participate in 2021 Scholarly Time initiative

Christopher Morgan, MD

- Early Career Faculty Award for Excellence in Patient Care
- Top Doctor (Critical Care Medicine), *Houstonia* Magazine
- Norton Rose Fulbright Faculty Excellence Award for Teaching and Evaluation in 2020

Dharani Narendra, MD

- 2021 Baylor College of Medicine Women of Excellence award
- Norton Rose Fulbright Faculty Excellence Award for Teaching and Evaluation

- BCM Internal Medicine best teaching award for inpatient- subspecialty
- Recognized in CHEST COVID Hall of Heroes
- Inducted to Master Teacher Fellowship Program, class of 2021-2023

Nicola Hanania, MD

- Interim Chief of Pulmonary, Critical Care and Sleep Medicine at Ben Taub Hospital
- Distinguished CHEST Educators 2020

Lavannya Pandit, MD

- Promoted to Associate Professor, Tenure Track

Purvesh Patel MD

- CCM Fellows Ben Taub Hospital Faculty of the Year Award, 2020-2021

Rolando Rumbaut, MD, PhD

- Senior Clinician Scientist Investigator from the National VA Biomedical Laboratory Research and Development Service

Pralay Sarkar, MD

- Distinguished CHEST Educators 2020

Muhammad Asim Siddique, MD

- Top Doctors (Critical Care Medicine), 2020 and 2021, *Houstonia* Magazine
- BSLMC representative for Texas division of Critical Care
- BCM Faculty Senate 2020
- Chest Foundation Community Service committee in 2020
- Chest Foundation Research Grant committee in 2020

Supriya Singh, MD

- 2021 Baylor College of Medicine Women of Excellence award
- Early Career Faculty Award for Excellence in Patient Care
- Named Sleep Medicine Fellowship Director

Sergio Trevino Castillo, MD

- Re-appointed to the AASM public safety committee.
- BCM Internal Medicine best teaching award for inpatient – subspecialty
- COVID guidelines development
- CLABSI Task Force
- Infection Prevention Committee

Kanta Velamuri, MD

- Barbara and Corbin J. Robertson, Jr. Presidential Award for Excellence in education.

- 2021 Baylor College of Medicine Star Patient Care Award
- 2021 Baylor College of Medicine Women of Excellence award
- 2021 Star Award for Excellence in Patient Care

RESEARCH ACTIVITIES

Grants

Tara Barto, MD

- CF Center, Cystic Fibrosis Foundation; \$250,000
- Ellox Pharmaceuticals (US); \$27,367.49

Lindsay Celada, PhD

- KO1, National Heart, Lung and Blood Institute; \$134,549

Kalpalatha Guntupalli, MD

- Boehringer Ingelheim Pharmaceutical; \$5,010.60

Christopher Howard, MD

- Cellenkos Inc.; \$64,583.63

Farrah Kheradmand, MD

- Department of Defense Congressionally Directed Medical Research Programs; \$364,530
- RO1 National Institutes of Health; \$109,523
- RO1 National Institutes of Health; \$328,257
- RO1 National Institutes of Health; \$132,494

Lavannya Pandit, MD

- Department of Veterans Affairs; \$710,000
- Department of Veterans Affairs; \$34,543
- Department of Veterans Affairs; \$500,000
- National Institutes of Health; \$134,000

Purvesh Patel, MD

- Denver Health and Hospital Authority; \$32,689.99

Freddy Romero, PhD

- RO1 National Heart, Lung and Blood institute: \$400,000

Ivan Rosas, MD

- T32 National Heart, Lung and Blood Institute; \$72,955
- UO1 National Institutes of Health; \$67,842
- RO1 National Institutes of Health; \$85,500

- Three Lakes Foundation; \$109,252
- Hoffman-La Roche LTD; \$3,216,309.19
- Fibrogen Inc.; \$28,111.70
- Genentech Inc.; \$1,868,449.86
- Genentech Inc.; \$475,643.75
- Hoffman La-Roche; \$78,656.20
- Sergey Brin Family Foundation; \$621,739.14

Rolando Rumbaut, MD, PhD

- RO1 National Heart, Lung and Blood Institute; \$344,389
- T32 National Institutes of Health; \$22,473
- VA Research and Education Foundation; \$5,445.85

Konstantin Tsoyi, PhD

- Hope for the Breathless Charity; \$5,000
- KO1 National Institutes of Health; \$130,950

Tianshi David Wu, MD

- K23 National Institutes of Health; \$185,374

Publications

- *American Journal of Respiratory and Critical Care Medicine* (IF **21.4**): **5**
- *Journal of the American Medical Association* (IF **56.2**): **2**
- *Arthritis & Rheumatology* (IF **9.0**): **1**
- *Annals of the American Thoracic Society* (IF **6.8**): **1**
- *American Journal of Transplantation* (IF **7.2**): **1**
- *Journal of Clinical Sleep Medicine* (IF **4.0**): **3**
- *Systematic Reviews* (IF **9.3**): **2**
- *Stem Cells* (IF **5.6**): **1**
- *Science Translational Medicine* (IF **11.5**): **2**
- *Science Advances* (IF **14.1**): **1**
- *Thorax* (IF **4.3**): **3**
- *Chest* (IF **8.3**): **14**
- *The New England Journal of Medicine* (IF **91.2**): **2**
- *European Respiratory Journal* (IF **12.3**): **10**
- *Circulation* (IF **23.6**): **2**
- *Journal of Inflammation* (IF **4.9**): **3**
- *Respiratory Research* (IF **4.0**): **3**
- *Aging* (IF **5.7**): **2**
- *American Journal of Obstetrics & Gynecology* (IF **7.6**): **1**
- *Clinical Infectious Diseases* (IF **9.0**): **1**
- *Allergy* (IF **14.1**): **6**

- *American Journal of Kidney Diseases* (IF 8.9): 1
- *The Lancet Respiratory Medicine* (IF 25.1): 3
- *Journal of Asthma and Allergy* (IF 4.3): 1
- *The Journal of Allergy and Clinical Immunology* (IF 14.1): 2
- *Mechanisms of Ageing and Development* (IF 4.3): 1
- *Human Molecular Genetics* (IF 6.2): 1
- *Molecular Medicine* (IF 4.0): 1
- *Frontiers in Medicine* (IF 4.0): 1
- *Matrix Biology* (IF 8.5): 1
- *Current Opinion in Microbiology* (IF 8.1): 1
- *NPJ Precision Oncology* (IF 7.9): 1
- *Scientific Reports* (IF 4.0): 1
- *JCI Insight* (IF 8.3): 1
- *Pharmacology* (IF 9.9): 1
- *International Journal of Molecular Sciences* (IF 5.9): 1
- *EMBO Reports* (IF 7.5): 1
- *Nature Communications* (IF 12.12): 2

Books and Book Chapters

Prasad Manian, MD

- Lung Infections: An Overview. In: *Adult Chest Surgery*, 3rd Ed.

Sara Nowakowski, PhD

- *Adapting Cognitive Behavioral Therapy for Insomnia* (In press)
- Sleep in women during pregnancy and postpartum. In: *The Encyclopedia of Sleep Disorders and Circadian Rhythms*, 2nd Ed. (In press)
- CBT for menopause and postmenopause. In: *Adapting Cognitive Behavioral Therapy for Insomnia* (In press).
- Insomnia evaluation and therapeutic modalities. In: *Sleep Disorders in Women: A Guide to Practical Management*, 3rd Ed.

Lavannya Pandit, MD

- Pulmonary Hypertension. In: *Cardiology Secrets*, 6th Ed. (In press)

CENTERS

Airways Clinical Research Center

The **Airways Clinical Research Center** (ACRC) at Baylor College of Medicine has been funded by the American Lung Association (ALA) since 1999 to conduct multicenter clinical trials in asthma and COPD. The Center includes faculty from the Section of Pulmonary, Critical Care and Sleep Medicine in the Department of Medicine and the Section of Pediatric Pulmonary Medicine in the Department of

Pediatrics. Dr. Nicola Hanania serves as the director. The ACRC has a productive record of accomplishment of large-scale clinical research studies. The ACRC comprises 15 clinical centers with multiple consortium recruitment sites (38 sites) with broad geographic representation, each led by a center director with significant experience in respiratory disease. Each center receives support from the ALA, which is typically used to fund a partial effort of the Center Director and to provide core support for personnel, supplies, and other infrastructure required to complete (typically NIH-funded) studies. The ALA-ACRC also has an experienced and effective data-coordinating center (Johns Hopkins University) and an established biorepository center (at Nemours Children's Hospital). Through the infrastructure of the ALA and its local offices, the Centers have a robust mechanism to engage stakeholders and the community in our efforts to recruit patients for the different studies.

The ACRC Network was recently funded to conduct a large prospective Lung Health Cohort to form the first national cohort of young adults focused on lung health defined by symptoms, lung function and chest imaging. The study will recruit 4,000 community-dwelling adults, at the age of peak lung health (25 to 35 years old), from 29 metropolitan regions across the U.S. and determine lifetime ambient pollution exposures at home, work and school; health behaviors; and blood biomarkers to identify targets for the interception of lung disease at the earliest stages. In addition, the ACRC completed two large NIH-funded studies, the first to investigate the effects of Losartan on the progression of emphysema as well as a second study that investigated the role of weight loss using behavioral interventions on patients with COPD.

The Lung Institute

The **Lung Institute** provides diagnostic and treatment services to patients with benign and malignant neoplasms and other disorders of the lung, as well as the esophagus, mediastinum and chest wall. The institute offers patients professional medical evaluations by a multidisciplinary team that includes specialists from surgery, medical oncology, pulmonary medicine, radiation oncology, and radiology. The Lung Institute has developed a comprehensive program across departments and disciplines, with all of the College's missions as part of the effort. The surgical program is located at Baylor St. Luke's Medical Center – TMC, part of CHI St. Luke's Health.

In addition, the Lung Institute offers holistic care for patients and their families. Full-time chaplaincy services, social workers, physical therapists, dieticians and patient navigators help patients and their families deal with the stress of illness. These efforts allow patients and their families to take an active role in their own care plans.

Sleep Center

The **Baylor Medicine Sleep Center** is one of the Southwest's most comprehensive sleep facilities. Our experts specialize in the diagnosis, surgical and non-surgical treatment of sleep disorders, complete evaluations, and treatment focusing on long-term solutions for the full range of behavioral sleep disorders, including insomnia, snoring, sleep apnea, restless legs, narcolepsy, and parasomnias.

Cystic Fibrosis Center

The **Baylor Medicine Maconda Brown O'Connor, PhD, Adult Cystic Fibrosis Center** provides the highest-quality care in a compassionate, patient-centered setting. The Center, which is accredited by the

Cystic Fibrosis Foundation, is one of the largest in the United States and is the only accredited cystic fibrosis center in Harris and surrounding counties. Offering comprehensive, multidisciplinary care to adult patients with cystic fibrosis and their families, its faculty pride themselves on providing evidence-based, state-of-the-art care.

Additionally, the Center has been designated a Therapeutic Development Network site by the Cystic Fibrosis Foundation, promoting the conduct of cutting-edge clinical research and providing a forum for collaboration with other organizations to advance the care of cystic fibrosis.

SECTION OF TRANSITION MEDICINE

SECTION ACCOMPLISHMENTS

- The Section has been working to create the Center for Pursuit–Transition Medicine Clinic, which will provide convenient access to medical care and services for patients with intellectual and developmental disabilities and their families in the fall of 2021.
- The section received \$355,000 in funding through research activities and grants.
- This was the inaugural year for the Adult Developmental Medicine One-Year Fellowship Program, which provides education and leadership training in healthcare delivery for adult patients with intellectual and developmental disabilities.



SECTION CHIEF

Cynthia Peacock, MD



Dr. Jordan Kemere and Dr. Ellen Fremion pose with the inaugural round of the Transition to Adult Care Mentorship Participants at Baylor College of Medicine's McNair Campus. Sponsored by the Texas Council for Developmental Disabilities, this work will continue with new rounds of mentors through 2023.

FACULTY

Section Leadership

Cynthia Peacock, MD, FACP, FAAP – Medical Director and Transition Medicine Section Chief

Faculty

Elisha Acosta, MD

John Berens, MD

Ellen Fremion, MD, FAAP, FACP

Jordan Kemere, MD

Fellow: Kathleen Irby, MD

HONORS AND ACHIEVEMENTS

Transition Medicine Team

- Received the Patient Experience Team Award in recognition for leading the way in quality, patient safety, and patient experience, for FY21 Quarter 2 (October-December 2020).



Transition Medicine Team: Patient Experience Team Award.

Ellen Fremion, MD

- Top Doctors, *Houstonia* Magazine
- Norton Rose Fulbright Teaching Award

- Nomination for the Clark Professionalism Award

Jordan Kemere, MD

- Golisano Health Leadership Award, Awarded by Special Olympics Texas, 2021



The Transition Medicine Team poses in the waiting room of the clinic, located at the McNair Campus.

RESEARCH ACTIVITIES

Grants

Ellen Fremion, MD (PI) / Jordan Kemere, MD (Co-PI)

- Caregiving for Adults with Intellectual/Developmental Disabilities during the Covid-19 Pandemic, Working for Inclusive and Transformative Healthcare. December 2020-December 2021

CENTERS

The Center for Pursuit promotes the pursuit of choice, growth, and independence for adults with intellectual and developmental disabilities, autism, or similar conditions. The Center will house the new Transition Medicine Clinic to provide medical care and services to patients in the fall of 2021.



Center for Pursuit rendering.

EDUCATION GROUP

INTRODUCTION

For all of the internal medicine training programs at Baylor College of Medicine, the CoVID-19 pandemic had a significant impact on the education of trainees. The summer surge continued to cause major disruptions in trainees' schedules and an emphasis on acute inpatient medicine and MICU care. One positive that resulted for both residents and subspecialty fellows was the development of curricula and incorporation of telemedicine into their ambulatory experiences.



In January 2021, the Internal Medicine Residency Core Program and all 15 of its subspecialty fellowships received *Letters of Notification* from the ACGME of Full Accreditation. None of the programs received any citations! Given the size of our training programs, and the difficulty circumstances of the preceding year, this was a tremendous accomplishment.

During this academic year, the residency program undertook a major review of the ambulatory experiences of our residents. We were fortunate to appoint Lee Lu, MD, as the new Associate Program Director for Ambulatory Care. As a result of the substantial effort from Jackie Birnbaum, MD, our Chief Medical Resident for Ambulatory Care, along with Dr. Lu's guidance, the ambulatory subspecialty clinic rotations were much better integrated into the residents' schedules. Appreciation also goes out to all of the Subspecialty Education Coordinators who contributed to this project.

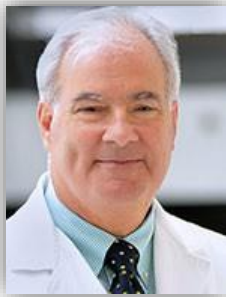
The Department of Medicine Grand Rounds series during this academic year benefitted from the contributions of the Department of Medicine IDEA (Inclusion, Diversity & Equity in Action) Committee, who developed the IDEA Series and invited an impressive group of speakers from outside the College to

educate us on diversity and inclusion topics. The residency program was fortunate to appoint Achilia Morrow, MD, as our new Associate Program Director for Diversity & Inclusion. Our recruitment of individuals underrepresented in medicine was substantially improved this year because of a concerted effort to perform holistic reviews of applicants along with input from members of the IDEA Committee.



Richard J. Hamill, MD
Vice-Chair for Medical Education & Director,
Residency Programs in Internal Medicine

Leadership



Richard J. Hamill, MD
Vice-Chair for Education and Director,
Residency Programs in Internal Medicine



Wilson Lam, MD
Associate Program Director

- Resident academics
- Educational metrics



Erica Lescinskas, MD

Associate Program Director

- Resident remediation
- Global health rotations



Lee Lu, MD

Associate Program Director

- Ambulatory Medicine



Achilia Morrow, MD

Associate Program Director

- Diversity & Inclusion



Zaven Sargsyan, MD

Associate Program Director

- Simulation & POCUS training
- Residents as Teachers



Chirayu J. Shah, MD

Associate Program Director

- Department of Medicine Grand Rounds
- Recruitment analysis



Stephanie Sherman, MD

Associate Program Director

- Academy of Resident Educators



Galant Chan, MD

Director of Medical Education,
Baylor St. Luke's Medical Center



Allison Heinen, MD

Associate Director of Medical Education,
Baylor St. Luke's Medical Center



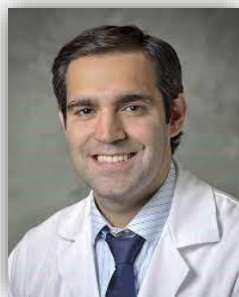
Prathit Kulkarni, MD
Michael E. DeBakey VA Medical Center
Site Co-Director



Jeffrey Bates, MD
Michael E. DeBakey VA Medical Center
Site Co-Director



Anoop Agrawal, MD
Medicine/Pediatrics Program Director



Jamie Rueda, MD
Medicine/Pediatrics Associate Program Director



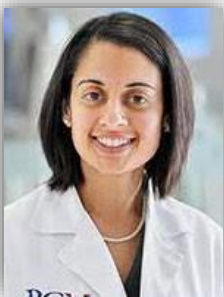
Elisha Acosta MD
Medicine/Pediatrics Associate Program Director



Andrew Caruso, MD
Medical Student Education and Core Clerkship Director



Lindsey Jordan Gay, MD
Internal Medicine Core Clerkship Associate Director
Michael E. DeBakey VA Medical Center, Site Director



Anita Kusnoor MD
Medical Student Sub-Internship Director



Lubna Khawaja, MD
Medical Student Elective Director



Richa Shukla, MD
Ben Taub Hospital Site Director,
Internal Medicine Core Clerkship



Jennifer Hsu MD
Baylor St. Luke's Medical Center Site Director,
Internal Medicine Core Clerkship



Joni D. Owens
Program Manager

HIGHLIGHTS

- Internal Medicine Student Core Clerkship – Finished year as highest-rated clerkship at Baylor College of Medicine based on the AAMC GQ (Graduation Questionnaire) Survey of medical students.
- Novel virtual format of House Staff Research Symposium to balance showcasing of trainee scholarship with physician-distancing requirements

HONORS & ACHIEVEMENTS

Elisha Acosta, MD

- 2021 Norton Rose Fulbright Faculty Excellence Award for Teaching & Evaluation

Jeffrey Bates, MD

- 2021 Master Clinician Award for Excellence in Patient Care
- 2021 Norton Rose Fulbright Faculty Excellence Award for Teaching & Evaluation

Andrew Caruso, MD

- BCM 2021 Graduating Class Outstanding Educators Award

Galant Chan, MD

- Secondary Faculty Appointment in the BCM Department of Education, Innovation & Technology
- Associate Program Director at Ben Taub Hospital for BCM GI Fellowship

Lindsey Jordan Gay, MD

- BCM Professional Educator Appreciation and Recognition (PEAR) Award
- 2021 BCM Women of Excellence Award
- 2021 BCM Section of General Internal Medicine VA Hospitalist of the Year
- 2021 Internal Medicine Residency Best Inpatient Teaching Award, Michael E. DeBakey VA Medical Center
- 2021 Internal Medicine Residency Best Subspecialty Teaching Award, Michael E. DeBakey VA Medical Center
- Committee Member for IDEA (Inclusion, Diversity & Equity in Action)
- Appointed to the Executive Committee of the BCM *Alpha Omega Alpha* Honorary Medical Society branch

Richard J. Hamill, MD

- Associate Editor, *Journal of Infection*
- PPD, Inc. and Moderna TX. Chair, Adjudication Committee for mRNA-1273-P301; A phase 3, randomized, stratified, observer-blind, placebo controlled study to evaluate the efficacy, safety, and immunogenicity of mRNA-1273 sARS-CoV-2 vaccine in adults aged 18 years and older. (Acknowledged in: Baden LR, El Sahly HM, Essink B, et al. Efficacy and safety of the mRNA-

1273 SARS-CoV-2 vaccine. *N Engl J Med* 2020 Dec 30;NEJMoa2035389.doi. 10.1056/NEJMoa2035389. PMID: 33378609).

- Member, NIH/CDC/HIV Medicine Association of the IDSA. Fungal Infections Guidelines Writing Subcommittee. Guidelines for the Prevention and Treatment of Opportunistic Infections Adults and Adolescents with HIV
- Program Co-Director. PrimeCareNow Virtual Conference. October 15-16, 2020
- Program Co-Director. Pri-Med Primary Care Now Southwest Virtual Conference. Houston, TX. June 10-11, 2021

Allison Heinen, DO

- 2021 Internal Medicine Residency Best Inpatient Wards Teaching Award, Baylor St. Luke's Medical Center
- Member-At-Large, Baylor St. Luke's Medical Center Medical Executive Committee 2020-2022

Lubna Khawaja, MD

- Committee Member for IDEA (Inclusion, Diversity & Equity in Action)

Prathit Kulkarni, MD

- Professional Educator Appreciation and Recognition Award from the School of Medicine Curriculum Committee
- Served as faculty supervisor for first-place poster in Educational Research category in the Henry JN Taub & JK Alexander Medical Student Research Symposium, Baylor College of Medicine
- Ad hoc manuscript reviewer for *Clinical Infectious Diseases*. 10/2020–present
- Ad hoc manuscript reviewer for the *Journal of Infection*. 11/2020–present
- Ad hoc manuscript reviewer for *International Immunopharmacology*. 01/2021–present
- Ad hoc manuscript reviewer for the *Canadian Journal of Cardiology*. 03/2021–present
- Ad hoc manuscript reviewer for *PLoS One*. 03/2021–present

Wilson Lam, MD

- Quarter 1 2021 – Texas Children's Hospital Provider Excellence Award; ranked in 99th percentile or above on Press Ganey surveys
- Texas Heart Institute Cardiac Society, Past-President
- Texas Chapter of American College of Physicians, Membership Co-chair
- Texas Chapter of American College of Physicians Services, President-elect
- Editor, *Texas Heart Institute Journal*, 2018–present
- Editor, *Cardiovascular Drugs and Therapy*, 2019–present
- Editor, *Clinical Cardiology*, 2020–present
- Editor, *JACC: Clinical Electrophysiology*, 2021–present
- American College of Cardiology 2021 Scientific Sessions, Atlanta GA–Cardiology Jeopardy Semi-Finals moderator
- February 27, 2021 – Texas Heart Institute – Ali Massumi 21st Symposium on Cardiac Arrhythmias, virtual EP Jeopardy Round 1 and Finals moderator

Lee Lu, MD

- 2021 Norton Rose Fulbright Faculty Excellence Award for Teaching & Evaluation
- National SGIM Resident Clinic Director Interest Group Meeting; chair, host, invited speaker

Achilia Morrow, MD

- Promoted to Associate Professor (Medical College of Georgia; July 1, 2020)
- 2021 *Texas Magazine* Top Internist
- Member, AAIM Medical Education Learner Transitions Improvements Task Force (MELTI), Alliance for Academic Internal Medicine, 2020-2021
- Osman N, Morrow A, Gottlieb G. Inclusive mentoring: A primer for chief residents and other near-peer mentors, 2021 Alliance of Academic Internal Medicine Week workshop presentation

Zaven Sargsyan, MD

- BCM 2021 Graduating Class Outstanding Educators Award

Chirayu J. Shah, MD

- Committee Member for IDEA (Inclusion, Diversity & Equity in Action)

Stephanie Sherman, MD

- Selection to become Editor for Images in Clinical Medicine, *New England Journal of Medicine*
- 2021 BCM John P. McGovern Outstanding Teacher Award - Clinical Teaching
- BCM Class of 2021 Teaching Award
- 2021 BCM Women of Excellence Award
- Committee Member for IDEA (Inclusion, Diversity & Equity in Action)
- Clinical Problem Solvers Virtual Morning Report faculty discussant/facilitator

Richa Shukla, MD

- Associate Program Director at Ben Taub Hospital for BCM GI Fellowship
- ACG Abstract Reviewer Committee: May 2021-present
- Mentor, IMIG Shadowing Program: Jan 2020-present
- Medical Advisor, AGA Step Therapy Education Initiative: July 2019-present
- AGA Women's Committee Member: May 2019-present
- Crohn's and Colitis Foundation Professional Membership Committee, July 2018-May 2021

RESEARCH ACTIVITIES

Grants

Prathit Kulkarni, MD

- Sponsor: Vessel Health, Inc.; Vessel at home testing platform using SARS-CoV-2 IgG/IgM rapid test kit sample matrix equivalency study; \$39,295

- Michael E. DeBakey VA Medical Center Seed/Bridge Award; Impact of COVID-19 on rounding patterns: Effects on education and patient safety; \$50,000
- VA Office of Research and Development; VA CURES-1: Randomized controlled trial of convalescent plasma as treatment for hospitalized patients with COVID-19; \$126,621

Stephanie Sherman, MD

- Assessment of a medical education research elective for residents; funding from Alliance of Academic Internal Medicine

Richa Shukla, MD

- Primary investigator (PI), INTREPID Study (Allergan, Inc.) July 2020. 52-Week, Multicenter, Randomized, Double-blind, Double-dummy, Placebo and Active-controlled, Operationally Seamless Phase 2b/3, Parallel-group Study to Assess the Efficacy and Safety of Brazikumab in Participants with Moderately to Severely Active Crohn's Disease

Abstracts / Posters

Prathit Kulkarni, MD

- Clark E, **Kulkarni P**, Al Mohajer M, Rose S, Serpa J, Singhal G, Giordano T. Optimizing feedback strategies on the Infectious Diseases inpatient service. ID Week National Conference, virtual conference, 10/2020
- Al Mohajer M, Pipkins T, Atmar RL, Rodriguez-Barradas MC, Young E, Giordano TP, **Kulkarni P**, Serpa JA. Improving knowledge of Infectious Diseases fellows regarding infection prevention & antibiotic stewardship using a multi-faceted approach. IDWeek National Conference, virtual conference, 10/2020
- Cummins KC*, Naeger KM*, **Kulkarni PA**. Medical student engagement with the COVID-19 pandemic is increased through participation in a pre-clinical elective. Henry JN Taub & JK Alexander Medical Student Research Symposium, Baylor College of Medicine, Houston, Texas, 03/2021 (*Joint first authors)
- Inchaustegui CA, **Kulkarni PA**. Teaching on consults: The effect of multiple educational interventions on satisfaction with inpatient consultations among Internal Medicine residents. Department of Medicine Housestaff Research Symposium, Baylor College of Medicine, Houston, Texas, 03/2021
- Cummins K, Naeger K, **Kulkarni P**. Medical student engagement with the COVID-19 pandemic is increased through participation in a pre-clinical elective. Department of Medicine Housestaff Research Symposium, Baylor College of Medicine, Houston, Texas, 03/2021

Anita Kusnoor, MD

- Rocha M, Ayyala U, Dunnington H, Doane J, Purkiss J, **Kusnoor A**. Developing validity evidence for a new OSCE: Evaluating the sub-I Safe Patient Care Transitions curriculum. Poster presented at 2021 Clerkship Directors in Internal Medicine virtual meeting, April 13, 2021

Wilson Lam, MD

- Gutierrez ME, Kulkarni AK, Howard TS, **Lam WW**, Sexson Tejtell K, Miyake C. Ventricular tachycardia as initial presentation of missed Kawasaki Disease in a teenager. Presented at American Academy of Pediatrics (poster); October 2020 (virtual). Presented at Baylor Pediatric Research Symposium 2021
- Xiao R, Broda CR, Harrison D, Aggarwal SR, Ermis PR, Opina A, Franklin W, Parekh DR, **Lam WW**. Utility of transthoracic echocardiography in adult patients with d-transposition of the great arteries and atrial switch operation. Presented at AHA (poster); November 2020 (virtual)
- Moore JA, Sheth S, **Lam WW**, Espaillat A, Alexander A, Shabosky J, Lovick D, Broussard N, Dyer KJ, Lopez KN. Hope is not a plan: Re-engaging transition-aged young adults with congenital heart disease actively missing from cardiac care. Presented at AHA (poster); November 2020 (virtual)
- Ali SA, Razavi M, Aldeiri M, **Lam WW**. Congenitally corrected transposition of the great arteries and placement of cardiac resynchronization therapy defibrillator through left superior vena cava to coronary sinus. Presented at ACC (poster); May 2021 – Atlanta, GA (virtual)
- La Starza B, Harrison D, Broda CR, Parekh DR, Qureshi A, Gowda S, Ermis PR, Opina AD, Aggarwal S, Dolgner SJ, **Lam WW**. Echocardiography performance characteristics for baffle complications in patient with d-transposition of the great arteries and atrial switch operation. Presented at ACC (poster); May 2021 – Atlanta, GA (virtual)

Lee Lu, MD

- El-Halwagi A, Agrawal S, Spezia-Linder N, Ziman N, Gladney W, Jaroudi S, **Lu LB**. Poster presentation of Quality Improvement Project. “Evaluating the Effectiveness of a Screening Tool for Determining Telephonic vs. In Person Visits in the Outpatient Setting.” Baylor Research Symposium, Houston, TX, April 2021. **Award: 3rd place**
- Birnbaum J, Bhan N, Jacob J, Kaplan J, Khawaja M, Lavere K, Liu K, Rao A Savadel S, Singh H, Spezia-Linder N, Thomas N, Morse M, Podany W, **Lu LB**. Poster presentation of Quality Improvement Project. Assessing continuity at various primary care pavilions within Baylor College of Medicine Internal Medicine Program. Baylor Housestaff Research Symposium, Houston, TX, April 2021
- Martinez E, Craig T, Emelogu I, Vij A, Vinod S, Ravishankar M, **Lu LB**. Poster presentation of Quality Improvement Project. Improving patient satisfaction in Internal Medicine resident clinic. Harris Health System Healthcare Quality Week, Houston, TX, October 2020
- Yang M, Miller J; Hamer J, Hyman D, **Lu LB**. Poster presentation of Quality Improvement Project. Investigation of patient medication compliance and factors affecting blood pressure control at Smith Medicine Clinic. Harris Health System Healthcare Quality Week, Houston, TX, October 2020

Achilia Morrow, MD

- Sulaiman Z, Shapiro K, Rodriguez N, Morrow A, Morgan A. Poster presentation of a clinical vignette. The unusual treatable cause of coma. Georgia ACP, October 2020 (virtual)

Chirayu J. Shah, MD

- Mohanty A, Hernandez S, **Shah C**. A sticky case of a pyogenic liver abscess – *Klebsiella pneumoniae*. Virtual Poster Presentation at Society of General Internal Medicine, April 2021
- Keough C, Catt M, **Shah C**. Retrospective chart review of the use of medication assisted treatment in patients with alcohol use disorder at a large county hospital. Virtual Poster Presentation at Society of General Internal Medicine, April 2021

Richa Shukla, MD

- Poplaski V, Zeng XL, Yerramilli R, Tang Z, Blutt S, Danhoff H, Opekun A, Shroyer N, Britton R, Estes M, **Shukla R**. Cronkhite-Canada Syndrome: A case report in a young female. Poster presentation at American College of Gastroenterology Virtual Meeting October 2020

Invited Lectures

Galant Chan, MD

- Time to PrEP for HIV Prevention. Baylor College of Medicine Houston AIDS Education and Training Center – HIV Prevention Symposium 2021. April 30, 2021
- Time to PrEP for HIV Prevention. Houston AIDS Education and Training Center Training Session – Ryan White Grant Administration. Houston, TX. April 21, 2021
- Updates in PrEP for HIV prevention. Houston AIDS Education and Training Center Training Session – Healthcare for the Homeless. Houston, TX. April 13, 2021
- Fungal, viral, and atypical infections in the ICU. Baylor College of Medicine Joint Surgery/Anesthesiology Critical Care Fellows Conference Lecture. Houston, TX. January 28, 2021
- Biomarkers to guide antibiotic therapy. Advances in Critical Care Conference. Houston, TX. October 15, 2020
- PrEP and rapid start: A grand rounds series in the underserved south. American Academy of HIV Medicine – Postgraduate Institute for Medicine. Houston, TX. September 2, 2020 (Webinar)
- Updates in PrEP and PEP for HIV prevention. University of Texas Health Science Center Department of Internal Medicine Grand Rounds. Houston, TX. July 9, 2020
- PrEP and PEP for HIV prevention. South Central AIDS Education and Training Center Training Session – AIDS Foundation Houston. Houston, TX. July 7, 2020

Richard J. Hamill, MD

- Top Questions I get asked...wound care & the diabetic foot. Pri-Med Annual Southwest Conference, Houston, TX. June 10, 2021
- Doc, Justin Bieber has Lyme disease and I think I do too! What to do when your patients come to you with somatic complaints that they attribute to microbial exposure. Podcast for PrimeCareNow. October 2020

Prathit Kulkarni, MD

- Clinico-Pathological Conference. Department of Medicine Grand Rounds, Baylor College of Medicine, Houston, Texas. September 2020 (~175 Zoom attendees)

- COVID-19: Update on diagnosis, treatment, and vaccines. Grand Rounds for the Section of Gastroenterology and Hepatology in the Department of Medicine, Baylor College of Medicine, Houston, TX. November 2020 (~50 Zoom attendees)
- Post-Acute COVID-19 / ‘Long COVID’: An overview of current knowledge. South Central AIDS Education & Training Center HIV Education Learning Program lecture series, Houston, TX. November 2020 (~70 Zoom attendees)
- Rodriguez-Barradas MC & Kulkarni PA (joint presentation). COVID-19 vaccines. Presentation to entire employee workforce of the Michael E. DeBakey VA Medical Center, Houston, TX. December 2020 (1 hour/lecture; 2 lectures; ~600 Zoom attendees)
- Covid vaccines – An overview with specific reference to the Pfizer/BioNTech vaccine. Christus Spohn Heart Institute’s COVID Symposium, Corpus Christi, TX. December 2020 (~90 Zoom attendees)
- COVID-19 vaccines. Presentation to nursing staff at the Michael E. DeBakey VA Medical Center, Houston, TX. December 2020 (~100 Zoom attendees)
- Long COVID: An overview of current knowledge. Telementoring educational series provided by the Baylor College of Medicine COVID-19 Extension for Community Healthcare Outcomes (ECHO) Program, Houston, TX. December 2020 (~15 Zoom attendees)
- COVID-19 vaccines. Presentation to Nutrition & Food Services staff at the Michael E. DeBakey VA Medical Center, Houston, TX. January 2021 (~20 Zoom attendees)
- COVID-19 Vaccine Town Hall. Joint sessions hosted by the Houston VA and Dallas VA and sponsored by Combined Arms Veteran Transition Center. February 2021 (~30 Zoom attendees)
- COVID-19 Question & Answer Panel. Live question and answer session as part of APEX course for fourth-year medical students, Baylor College of Medicine, Houston, TX. March 2021 (~200 Zoom attendees)
- Post COVID syndrome: An overview and approach to management. Live national webinar hosted by the AIDS Education & Training Center. (~125 attendees)
- COVID-19 Vaccine Question & Answer Panel. Live question and answer session for the Carnegie Vanguard High School Parent-Teacher Organization. (~35 Zoom attendees)

Wilson Lam, MD

- 2nd Annual IASI Arrhythmia Forum 2021, March 30, 2021 – April 4, 2021 (Iasi, Romania)
 - President: pediatric section
 - Moderator: CIEDs in pediatrics and congenital heart disease
 - Lecturer: Lead extraction in pediatrics and congenital heart disease
 - Challenging ablation cases in pediatric patients
 - Nonconventional therapy: CRT in HOCM and congenital heart disease

Lee Lu, MD

- Invited speaker, "Clinical Vignette Workshop" presented at the Baylor College of Medicine Academic Interest Group for medical students, May 2021
- Invited speaker, “HHS ACS HTN Management Guideline” presented at the Harris Health System Ambulatory Care Grand Rounds, March 2021

- Invited speaker, “Telemedicine: Video Chat Training” presented to the Baylor College of Medicine Nephrology Section at Harris Health System, March 2021
- Invited speaker, “Hypertension Update” presented to the Baylor College of Medicine Department of Physical Medicine and Rehabilitation Conference, December 2020
- “Strategies for Successful Writing: Clinical Vignettes and Case Reports” presented at the Baylor College of Medicine Academic Interest Group for medical students, December 2020
- Invited speaker, “Strategies for Successful Writing: Clinical Vignettes and Case Reports” presented at the Harris Health System Ambulatory Care Service and Baylor College of Medicine Department of Medicine, November 2020
- Invited speaker on academic medicine, Primary Care Interest Group Panelists, November 2020
- “Screening” presented at Internal Medicine Residency Wednesday Ambulatory School at Baylor College of Medicine, two sessions, July 2020

Zaven Sargsyan, MD

- Castellanos A, Sumant R, Barrett E, **Sargsyan Z**. Exploring the pathways of hospital medicine: Educator, researcher, and clinician. #JHMChat March 1, 2021. 53 participants, 1.6M impressions
- Dreicer J, Troy A, Warburton K, Parsons A, Trivedi S, Fried M, Kassapidis V, **Sargsyan Z**. Hoofbeats: struggles with clinical reasoning. Co-Host of CoreIM podcast episode. December 2020. Episode Link. >25,000 downloads as of May 2021
- Dunleavy M, Trivedi S, Katz G, Hasan A, **Sargsyan Z**, Kittleson M, Fried M, Hiremath S. Five pearls on inpatient heart failure. Invited guest expert on the podcast CoreIM. June 2020. Episode link. >45,000 downloads as of May 2021

Richa Shukla, MD

- Goals of therapy in patients with IBD; When can I de-escalate treatment? BCM 20th Annual GI and Hepatology Course. March 2021
- Taking care of your organization and yourself: Self-care and leadership. AGA Women’s Leadership Conference. Panel Moderator: March 2021
- Combination therapy in IBD. VA IBD-SCAN ECHO Conference. Noon Lecture Series. January 2021
- Work-Life Balance. American Gastroenterological Association. Expert Panelist, COVID19 Webinar Series, July 2020

Publications

- *The American Journal of Medicine* (IF **4.760**): 1
- *Baylor University Medical Center Proceedings* (IF **0.9**): 2
- *Cardiology* (IF **1.869**): 2
- *Clinical Gastroenterology and Hepatology* (IF **11.382**): 2
- *Digestive Diseases and Sciences* (IF **5.2**): 3
- *Frontiers in Cardiovascular Medicine* (IF **6.050**): 1
- *Hypertension* (IF **7.713**): 2
- *Journal of the American College of Cardiology Case Reports* (IF **24.094**): 3

- *Journal of Clinical Investigation* (IF **14.808**): 1
- *Journal of General Internal Medicine* (IF **5.128**): 2
- *MedEdPortal* (IF **n/a**): 11
- *Omentum* (IF **n/a**): 2
- *Open Forum Infectious Diseases* (IF **3.835**): 2
- *Patient Education and Counseling* (IF **2.607**): 1
- *SN Comprehensive Clinical Medicine* (IF **n/a**): 1
- *Texas Heart Institute Journal* (IF **1.023**): 1

Book Chapters

Richard J. Hamill, MD

- Rose SR, **Hamill RJ**. Mycotic Infections In: Papadakis MA, McPhee SJ, Rabow MW, eds. *Current Medical Diagnosis and Treatment 2021*. McGraw Hill Lange, New York, NY

2020 – 2021 RESIDENT RECRUITMENT

Applicant Statistics					
	Total	Categorical	MDACC	Preliminary	Medicine/Pediatrics
Applications	4118	2949	445	905	324
AOA members	426	278	35	99	43
Interviewed	624	411	104	141	66
Matched	77	47	5	16	9

Matched Candidates				
	Categorical	Preliminary	MDACC	Medicine/Pediatrics
Avg Step 1 score	249	246	240	238
Avg Step 2 score	259	257	255	254
BCM students	6	6	1	-
# AOA	14	3	-	2

2020 – 2021 PGY 1 Residents

Name	Program	Medical School
Nitin Agrawal	Categorical	Texas A&M Health Science Center College of Medicine
Basim Ali	Categorical	Aga Khan University Medical College
Mansour Alkhunaizi	Categorical	Royal College of Surgeons in Ireland School of Medicine
Ronan Allencherril	Categorical	University of Texas Medical Branch School of Medicine
Ashley Anderson	Preliminary-Ophtho	Baylor College of Medicine

Name	Program	Medical School
Samantha Arsenault	Preliminary-Ophtho	Wayne State University School of Medicine
Chaitra Banala	Categorical	Sidney Kimmel Medical College at Thomas Jefferson University
Scott Berger	Categorical	Baylor College of Medicine
Preeya Bhakta	Categorical	Baylor College of Medicine
Savannah Bowman	Categorical	Northeast Ohio Medical University
Tyler Brehm	Categorical	University of Texas Medical Branch School of Medicine
Gabriel (Gabe) Bustamante	Categorical	Baylor College of Medicine
Kaitlyn Carlson	Categorical	Baylor College of Medicine
Lynne Chapman	Categorical	Tulane University School of Medicine
Kirtan Chauhan	Categorical	New York University School of Medicine
Marilyne Daher	Categorical	American University of Beirut Faculty of Medicine
Leah Douglas	Preliminary	Baylor College of Medicine
Kim Du	Categorical	McGovern Medical School at the University of Texas Health Science Center at Houston
Samuel (Sam) Dugger	Categorical	McGovern Medical School at the University of Texas Health Science Center at Houston
Amy Engler	Categorical	Baylor College of Medicine
Adewunmi (Wunmi) Falohun	MDACC	Campbell University Jerry M. Wallace School of Osteopathic Medicine
Maya Firsowicz	Preliminary	Baylor College of Medicine
Madeline (Maddie) Flores	Preliminary	The University of Texas HSC at San Antonio Joe R. and Teresa Lozano Long SOM
Laura Gammon	Categorical	The University of Texas Southwestern Medical School
Feng (Fin) Gao	Categorical	The University of Texas Southwestern Medical School
Ashley Hardeman	Categorical	University of Illinois College of Medicine
Krystal Hill	Preliminary	Perelman School of Medicine at the University of Pennsylvania
Kathryn (Katie) Hinchee	Preliminary	The University of Texas HSC at San Antonio Joe R. and Teresa Lozano Long SOM
Alyssa Kahl	Categorical	McGovern Medical School at the University of Texas Health Science Center at Houston
Brandon Kale	Categorical	University of Miami Leonard M. Miller School of Medicine
Sarah Kamal	Preliminary-Ophtho	McGovern Medical School at the University of Texas Health Science Center at Houston
Luke Kennedy	Categorical	McGovern Medical School at the University of Texas Health Science Center at Houston
Shamis Khan	Categorical	University of Texas Medical Branch School of Medicine
Seulgi (Erica) Kim	Categorical	The University of Texas HSC at San Antonio Joe R. and Teresa Lozano Long SOM

Name	Program	Medical School
Sabin Kshattray	Categorical	University of Texas Medical Branch School of Medicine
Andrew Kuang	Categorical	University of Illinois College of Medicine
Nicholas (Nick) Lambert	Categorical	University of Nebraska College of Medicine
Philip Lavere	Categorical	University of Texas Medical Branch School of Medicine
Jessica Lee	Categorical	Baylor College of Medicine
Cynthia (Cindy) Liu	Categorical	University of Missouri-Kansas City School of Medicine
Brian Louie	Categorical	Touro College of Osteopathic Medicine - New York
Kami Lowery	Preliminary	Baylor College of Medicine
Neil Maitra	Categorical	University of Missouri-Kansas City School of Medicine
Julianna Martel	Preliminary	Tulane University School of Medicine
Austinn Miller	Preliminary	Mercer University School of Medicine
Abdullah Muftah	Categorical	USF Health Morsani College of Medicine
Salim Najjar	Categorical	University of Virginia School of Medicine
Meera Namireddy	Preliminary	Baylor College of Medicine
Ryan Nolan	Preliminary-Ophtho	University of Miami Leonard M. Miller School of Medicine
Michael Olson	Categorical	Charles E. Schmidt College of Medicine at Florida Atlantic University
Abigail Padgett	Categorical	Charles E. Schmidt College of Medicine at Florida Atlantic University
Katherine (Kate) Park	Preliminary	Baylor College of Medicine
Robert (Luke) Pecha	Categorical	University of Kentucky College of Medicine
Codey Pham	Categorical	The University of Texas HSC at San Antonio Joe R. and Teresa Lozano Long SOM
Gina Pham	Preliminary-Ophtho	Baylor College of Medicine
Smriti Prasad	Preliminary	The University of Texas Southwestern Medical School
Graham Rector	Categorical	Texas A&M Health Science Center College of Medicine
Sadiq Saleem Rehmani	MDACC	Aga Khan University Medical College
George Romar	Preliminary	Harvard Medical School
Sahar Sawani	MDACC	Baylor College of Medicine
Evan Schauer	IM/Genetics	Baylor College of Medicine
Claire Scott	Categorical	Chicago Medical School at Rosalind Franklin University of Medicine & Science
Jung Seo	Categorical	Rutgers New Jersey Medical School
Aakash Shah	MDACC	University of Illinois College of Medicine
Aakash Sheth	Categorical	Rutgers New Jersey Medical School
Elizabeth (Shea) Smith	Categorical	The University of Toledo College of Medicine and Life Sciences

Name	Program	Medical School
Anisha (Nikki) Somani	Preliminary-Ophtho	McGovern Medical School at the University of Texas Health Science Center at Houston
Kevin Tang	MeRIT	University of California, Los Angeles David Geffen School of Medicine
Janki Thakker	MDACC	University of Missouri-Kansas City School of Medicine
Zachary (Zach) Thompson	Categorical	Medical University of South Carolina College of Medicine
Jeffrey (Jeff) Triska	Categorical	Oakland University William Beaumont School of Medicine
Jose Venegas	Categorical	Texas Tech University Health Sciences Center Paul L. Foster School of Medicine
David Wang	Preliminary	Baylor College of Medicine
Scott Zhou	Preliminary	The University of Texas Southwestern Medical School
Travis Bishop	Medicine-Pediatrics	The University of Texas HSC at San Antonio Joe R. and Teresa Lozano Long SOM
Emma Cooke	Medicine-Pediatrics	Emory University School of Medicine
Diana Jeang	Medicine-Pediatrics	Emory University School of Medicine
Harsha Jujjavarapu	Medicine-Pediatrics	University of Illinois College of Medicine
Stefan Kostelyna	Medicine-Pediatrics	Medical College of Wisconsin
Sean O'Keefe	Medicine-Pediatrics	Albert Einstein College of Medicine
Colleen O'Neil	Medicine-Pediatrics	University of Cincinnati College of Medicine
Felicia Yan	Medicine-Pediatrics	University of Miami Leonard M. Miller School of Medicine
Celeste Zsebery	Medicine-Pediatrics	University of Texas Medical Branch School of Medicine

RESIDENTS' SCHOLARLY ACTIVITIES

Publications/Abstracts

Ali, B

- Raasikh T, Ali B, Sen A, Hernaez R. (2021) Hereditary hemorrhagic telangiectasia: A rare disease diagnosed from incidental liver lesions (Presenting Author; accepted at American College of Gastroenterology 2021).
- Ali B, Ali MNR, Zeeshan S. (2021) Metastatic lobular carcinoma of the breast masquerading as gallstone disease (Presenting Author; accepted at American College of Gastroenterology 2021).

- Ali B, Mazzini J, Teegavarapu S, Rivero G. (2021) Cerebral and peripheral myeloid sarcoma after treatment with azanucleoside plus BCL-2 inhibitor - eradicating the hardest ones! (Presenting Author; presented at 3rd Annual Baylor Hematologic Malignancy Symposium & 2021 Department of Medicine House Staff Virtual Research Symposium).
- Ali B, Rivero G. 7+3 or azanucleoside plus BCL-2 inhibition (2021) - What is the best road for RUNX1 mutated acute myelogenous leukemia? (Presenting Author; presented at: 3rd Annual Baylor Hematologic Malignancy Symposium & 2021 Department of Medicine House Staff Virtual Research Symposium).
- Alkhunaizi M, Ali B. (2021) LVAD pump thrombosis associated with apixaban: a case report (presented at: Department of Medicine House Staff Virtual Research Symposium & submitted to: Case Reports in Hematology).
- International Doctors Start Residencies At U.S. Hospitals Amid COVID-19 Surge (2021) National Public Radio (<https://www.npr.org/2020/07/01/886302079/international-doctors-start-residencies-at-u-s-hospitals-amid-covid-19-surge>).

Bahdi, F

- *Endoscopy International Open* (IF **n/a**): 1
- *The European Journal of Gastroenterology & Hepatology* (IF **2.251**): 1
- *Cleveland Clinic Journal of Medicine* (IF **1.552**): 3
- *VideoGIE* (IF **0.71**): 3
- *ACG Case Reports Journal* (IF **1.0**): 1
- Bahdi F, Othman MO. (2020, August 22). Outcomes of Endoscopic Submucosal Dissection (ESD) plus Radiofrequency Ablation (RFA) for Nodular Barrett's Esophagus [Oral Presentation]. ACP Associate's Day/Houston, TX, USA
- Bahdi F, Agarwal SK. (2020, October 23). Esophageal Ectopic Sebaceous Glands: An Unusual Finding in a Patient with Gastroesophageal Reflux Disease [S1969] [Poster presented]. ACG 2020 Virtual Annual Scientific Meeting
- Bahdi F, Othman MO. (2020, October 23). Outcomes of Endoscopic Submucosal Dissection (ESD) plus Radiofrequency Ablation (RFA) for Nodular Barrett's Esophagus [S0946] [Poster presented]. ACG 2020 Virtual Annual Scientific Meeting
- Bahdi F, Othman MO. (2020, October 23). Safety and Efficacy of Gravity-Assisted ESD vs Conventional-ESD for Esophageal Lesions [S0945] - Outstanding poster presenter [Poster presented]. ACG 2020 Virtual Annual Scientific Meeting
- Bahdi F, Ahmed Y, Gagneja H, Groth S, Dhingra S, Othman MO. (2021, March 29). Outcomes of Endoscopic Submucosal Dissection (ESD) and Adjuvant Therapy for Early Esophageal Adenocarcinoma (EAC): What Happened When ESD Was Not Curative? [Poster presented]. Baylor College of Medicine Department of Medicine House Staff Virtual Research Symposium/Houston, TX, USA
- Bahdi F, Yu A, Emelogu IK, Coronel M, Ge PS, Coronel E, Weston BR, Lynch PM, Ross WA, Kumar S, Lee JH. (2021, May 22). Esophageal Stent Placement for Management of Malignant Dysphagia [Sa199] - Poster of distinction [Poster presented]. DDW 2021 Virtual Meeting.

- Amin M. & Bahdi F. (2020, October 15). How to Navigate the Residency Application and Optimize your Chances in Matching. The MD Anderson Postdoc Teaching Subcommittee/Houston, TX, USA
- Outstanding poster presenter award at ACG 2020
- ASGE Robert W. Summers grant support for VideoGIE submission
- Poster of distinction award at DDW 2021

Balasubramanyam, S

- Chin A., Balasubramanyam S, and Davis C. Very elevated IgE, atopy, and severe Infection: a genomics-based diagnostic approach to a spectrum of disease. Case reports in immunology - pending review
- Balasubramanyam S, Shaw K and Gupta MR. Delayed pressure urticarial masquerading as chronic idiopathic urticaria. 2020. Accepted at ACAAI 2021 annual meeting.

Bhamidipati, D

- *Journal of Neuro-Oncology* (IF **3.267**): 1
- *ESMO Open Cancer Horizons* (IF **5.329**): 1

Birnbaum, J

- Birnbaum J, Bhan N, Carstens R, Jacob J, Kaplan J, Khawaja M, Kumar D, Lavere K, Liu K, Rao A, Savadel S, Singh S, Spezio-Lindner N, Thomas B, Morse M, Podany W, Lu L. "Assessing Continuity at Various Primary Care Pavilions within the Baylor College of Medicine Internal Medicine Residency Program." Department of Medicine Housestaff Research Symposium (2021), Baylor College of Medicine, Houston, TX

Blau, BJ

- Blau BJ, Podany EL, Tucker BM. Severe hyponatremia secondary to oral budesonide-induced adrenal insufficiency. Oral presentation at: Texas-ACP Associate's Day; August 22, 2020; Houston Methodist, Houston, TX

Chapman, L

- Chapman L, Overman MJ, Willett A, Knafl M, Fu S, Malpica A, Scally C, Mansfield PF, Matamoros A, Morani A, Woodman SE, Sepesi B, Mehran RJ, Haymaker CL, Varadhachary GR, Tsao AS, Fournier K, and Raghav KPS. Comprehensive genomic profiling of malignant peritoneal mesothelioma (MPeM) reveals key genomic alterations (GAs) distinct from malignant pleural mesothelioma (MPM). Poster presentation at ASCO Annual Meeting, June 2021. Chicago, IL

Chew, WT

- *Journal of Allergy and Clinical Immunology in Practice* (IF **14.110**): 1

Chu, DJ

- Nadeem S, Szafron D, Chu D, Ansari Y. Adapting to the COVID-19 Pandemic: Weekly Multidisciplinary Simulation Education. EM Resident. 17 Dec 2020: <https://www.emra.org/emresident/article/covid-sim-training/>
- Chu D. Optimizing Patient Flow Through Implementation of a Same-Day Discharge Protocol After Elective Percutaneous Coronary Intervention. [pending review]. International Forum on Quality and Safety in Healthcare. Virtual International Forum, Australasia. September 2021.

Combiths, A

- Combiths AM, Gao F, Alam M. Ultrasound acceleration fails to show superiority over stander catheter-directed thrombolysis for key radiographic parameters of right heart strain in acute pulmonary embolism: An interim meta analysis. Poster presented at Baylor Cardiovascular Research Institute Annual Symposium; April 7, 2021, Houston, TX.
- Combiths AM, Gao F, Alam M. Ultrasound acceleration does not detectably improve key endpoints in patients undergoing catheter-directed thrombolysis for massive and submassive pulmonary embolism: a meta-analysis of all studies directly comparing the two techniques. Poster presented at BCM Internal Medicine Housestaff Research Symposium, April 2, 2021, Houston, TX
- Combiths AM, Rezig A. A Case of Wellen's Syndrome: An EKG Pattern IM Docs Should Know. Poster presented at Internal Medicine. Housestaff Research Symposium; April 2, 2021; Houston, TX.
- *Journal of Cardiac Failure* (IF 3.942): 2
- Combiths AM, Misra A, Nambi V. Congestive Heart Failure Exacerbation Due to Flow Regurgitation Through a Perivalvular Abscess. Poster presented at HFSA Virtual Annual Scientific Meeting; September 30-October 6, 2020; Online.

Daher, M

- *Current Cardiology Reports* (IF 2.434): 1
- *The American Journal of Cardiology* (IF 2.778): 2

Deleija, J

- Deleija J. Susac Syndrome in a patient with auditory hallucinations. Poster presented at the Internal Medicine Housestaff Research Symposium; April 2021, Houston, TX
- Lee M, Ziman N, Deleija, J Bilateral Retrocerebellar Arachnoid Cysts Presenting as Peripheral Vertigo: Case Report and Literature Review July 2020

Deng, N

- *Liver International* (IF **5.175**): 1
- *Clinical Gastroenterology and Hepatology* (IF **11.382**): 1

Deshotels, MR

- *Current Cardiology Reports* (IF **2.434**): 2

- Deshotels MR, Tong R, Alam M, Birnbaum Y. The Utility of electrocardiographic changes during dobutamine stress echocardiography in assessing cardiovascular risk in chronic kidney disease patients prior to renal transplant. Submitted to the Journal of Cardiology 05/2021 for peer review.

Eisenmenger, E

- *The American Journal of Medicine* (IF **4.760**): 1

Emologu, IK

- *Digestive Diseases and Sciences* (IF **2.937**): 1

Gao, F

- Gao F, Wahl J, Floyd T. Anesthesia and neurotoxicity study design, execution, and reporting in the neonatal non-human primate: a deep dive. Association of University Anesthesiologists. Virtual annual meeting. May 13-14, 2021
- Gao F. IV iron in HFrEF. Clinical Question Conference, Baylor Internal Medicine Residency Program. January 25th, 2021
- Gao F, Jia X, Jimenez E, Khalid U. Beyond the Obvious: Acute Aortic Dissection Presenting as Cardiac Tamponade. Baylor Department of Medicine Annual Research Symposium. April 1, 2021. 3rd place for “Best Presentations”
- Combiths A, Gao F, Alam M. Ultrasound acceleration fails to show superiority over standard catheter-directed thrombolysis for key radiographic parameters of the right heart strain in acute pulmonary embolism: an interim meta-analysis. Baylor Cardiovascular Research Institute Eighth Annual Symposium. April 7-8, 2021

Ghergherechi, AR

- *Methodist DeBakey Cardiovascular Journal* (IF 1.36): 1

Goswami, R

- Goswami R, Hirani K, Podany W, Vaclavik L, Horstman M. Increasing Video Virtual Visits in a Primary Care Clinic. Poster to be presented at the National VA Chief Residents in Quality and Safety Annual Symposium. June 2021
- Goswami R, Krishnamurthy A, Talc C, Woodall T, Keifer L, Loaiciga F, Naik AD. Formative Evaluation of the Implementation of Patient Priorities Care in Two Home-Based Primary Care Clinics. Poster presented at the American Geriatrics Society Virtual Annual Scientific Meeting. May 2021

Hahn, J

- *Current Cardiology Reports* (IF **2.66**): 1
- *Interventional Cardiology Clinics* (IF **1.40**): 1
- *The American Journal of Medicine* (IF **4.760**): 4
- *American Journal of Cardiovascular Disease* (IF **6.333**): 1
- *The American Journal of Cardiology* (IF **2.778**): 1

- *Cardiovascular Revascularization Medicine* (IF **1.17**): 1
- Hahn J, Al-Azzam F, Greason K, Sharma S, Isath A, Yue B, Kaplin S, Alam M, Krittanawong C. (2021, May 15). Acute myocardial infarction in Hispanic individuals [Poster presented]. The American College of Cardiology's 70th Annual Scientific Session (virtual)/Houston, TX, USA
- Hahn J, Al-Azzam F, Greason K, Sharma S, Isath A, Yue B, Kaplin S, Alam M, Krittanawong C. (2021, May 15). TAVR outcomes in a large urban health system [Poster presented]. The American College of Cardiology's 70th Annual Scientific Session (virtual)/Houston, TX, USA
- Hahn J, Al-Azzam F, Greason K, Sharma S, Isath A, Yue B, Kaplin S, Alam M, Krittanawong C. (2021, May 15). TAVR outcomes in ESRD patients [Poster presented]. The American College of Cardiology's 70th Annual Scientific Session (virtual)/Houston, TX, USA
- Hahn J, Al-Azzam F, Greason K, Sharma S, Isath A, Yue B, Kaplin S, Alam M, Krittanawong C. (2021, May 15). TAVR outcomes in individuals with CKD [Poster presented]. The American College of Cardiology's 70th Annual Scientific Session (virtual)/Houston, TX, USA
- Krittanawong C, Hassan H, Inayat F, Yue B, Kaplin S, Isath A, Hahn J, Greason K, Alam M, Filby S. (2021, May 15). Can we predict the pacemaker implantation after transcatheter aortic valve replacement [Poster presented]. The American College of Cardiology's 70th Annual Scientific Session (virtual)/Houston, TX, USA
- Krittanawong C, Virk HUF, Hahn J, Al-Azzam F, Greason K, Isath A, Yue B, Kaplin S, Stewart M, Alam M, Sharma S. (2021, May 15). Machine learning model for in-hospital mortality prediction after transcatheter aortic valve replacement [Poster presented]. The American College of Cardiology's 70th Annual Scientific Session (virtual)/Houston, TX, USA
- Krittanawong C, Virk HUH, Hahn J, Al-Azzam F, Greason K, Isath A, Yue B, Kaplin S, Stewart M, Alam M, Sharma S. (2021, May 15). Leveraging machine learning models to predict in-hospital mortality after mitralclip [Poster presented]. The American College of Cardiology's 70th Annual Scientific Session (virtual)/Houston, TX, USA
- Hahn J, Virk HUH, Greason K, Al-Azzam F, Krittanawong C. (2021, August 27). Outcomes of transcatheter mitral valve repair in a large urban US health system [Poster presented]. European Society of Cardiology Congress 2021, The Digital Experience (virtual)/Houston, TX, USA

Harrison, D

- *Hospital Practice* (IF **1.49**): 1
- *International Journal of Cardiology* (IF **3.471**): 1

Harvey, A

- *The American Journal of Medicine* (IF **4.760**): 1

Hill, K

- Hill K, Haynes N, Momplaisir F. Partnering with Barbershops and Salons to Engage Vulnerable Communities During the COVID-19 Pandemic. *Open Forum Infect Dis*. April 2021. doi:10.1093/ofid/ofab191
- Salons and barbershops can help get COVID-19 vaccines into arms | Opinion. <https://www.inquirer.com/opinion/commentary/salons-barbershops-covid-19-vaccine-outreach-20210621.html>.

Hirsch, J

- *The Journal of the American College of Cardiology Case Reports* (IF **24.094**): 1
- *Current Atherosclerosis Reports* (IF **4.608**): 1
- Premji S, Byers M, Triozzi J, Amenta E, Hirsch J, Ulhaq O, Ynalvez L, Kherallah R, Rao A, Birnbaum J. Clinical Question Conference (CQC): a unique approach to learning evidence-based medicine. Abstract accepted and poster presentation by Michelle Byers at Baylor College of Medicine Department of Medicine House Staff Research Symposium, Houston, TX, USA, 2021
- Ahmad S, Triozzi JL, Amenta E, Muradali K, Hirsch J, Park JH, Kulkarni PA, Vasudevan M. Acceleration of endocrinology telehealth for management of diabetes mellitus during COVID-19 Pandemic (ACE-DM). Abstract accepted and poster presentation by Sara Ahmad at Baylor College of Medicine Department of Medicine House Staff Research Symposium, Houston, TX, USA, 2021

Hood, B

- Loftspring E, Hood B, Lin D. "Hidradenitis Suppurativa: Beneath the Surface of the Diagnosis." Society of Hospital Medicine Houston Chapter Abstract competition, December 2020

Inchaustegui, CA

- **Inchaustegui CA**, Kulkarni P. The effect of multiple educational interventions on satisfaction with inpatient consultations among Internal Medicine residents. Medical education research poster presented at the 2021 TEACH-S Educational Symposium. Abstract #P-051
- **Inchaustegui CA**, Agrawal N, Khawaja L. Simultaneous Arterial and Venous Thrombosis in a Healthy Male After a Mild COVID-19 Infection. Clinical abstract poster presented at the 2021 BCM Medicine Housestaff Research Symposium, Winner 2nd place Clinical Poster competition. Abstract #41
- **Inchaustegui CA**, Venegas J, Dlouhy L. Untappable tamponade: A posterior loculated pericardial effusion. Clinical abstract poster presented at the 2021 BCM Medicine Housestaff Research Symposium. Abstract #13

Jacob, J

- *Journal of the National Comprehensive Cancer Network* (IF **7.57**): 1

Jamali, T

- *Gastrointestinal Endoscopy* (IF **5.369**): 1
- *Korean Journal of Internal Medicine* (IF **1.93**): 1
- *Alimentary Pharmacology & Therapeutics* (IF **7.357**): 1
- Jamali T, Raasikh T, Bustamante G, Tandon P, Duarte-Rojo A, Hernaez R. (2021, Jun). Outcomes of physical rehabilitation inpatients with advanced liver disease: a systematic review of randomized clinical trials. American Association for the Study of Liver Diseases National Conference. Pub Status: Submitted
- Jamali T, Choi K, Harris P, Shukla R. (2021, Jun). Double trouble: a rare complication of peptic ulcer disease causing clinical dilemma. American College of Gastroenterology Annual Scientific Meeting. Pub Status: Accepted

- Jamali T, Choi K, Kanwal F, Singh H, Khalaf N. (2021, Jun). Timing and setting of pancreatic cancer diagnosis within the nationwide veterans affairs healthcare system. Society to Improve Diagnosis in Medicine National Conference. Pub Status: Submitted
- Abrams D, Mapakshi S, Xu A, Jamali T, Liu Y, Khalaf, N. (2021, May 22). Radiographic markers associated with near-future pancreatic cancer diagnosis among acute pancreatitis patients [Poster presented]. Digestive Diseases Week/Virtual Meeting, UA, USA
- Dai A, Jamali T, Cochran J, El-Serag R. (2020, April 20). Medical management of erythroderma [Poster presented]. Baylor College of Medicine, Department of Medicine Research Symposium/Houston, TX, USA
- George R, Shin C, Xiong J, Jamali T, Pothula S, Tan, M.C. (2021, March 06). Incidence and determinants of colorectal cancers and advanced adenomas after a negative colonoscopy following a positive fecal immunohistochemical test (FIT) [Poster presented]. Digestive Diseases Center 12th Frontiers in Digestive Diseases Symposium/Houston, TX, USA
- Jamali T, Bowman, S, Varughese MG (2021, April 02). A rare case of diffuse alveolar hemorrhage in a patient receiving bortezomib for multiple myeloma [Poster presented]. Baylor College of Medicine, Department of Medicine Research Symposium/Houston, TX, USA
- Jamali T, Choi K, Xu A, Abrams D, Singh H, Khalaf N. (2021, May 22). Accuracy of ICD-9/10-CM codes for identifying pancreatic cancer cases in the nationwide veterans affairs healthcare system [Poster presented]. Digestive Diseases Week/Virtual Meeting, UA, USA
- Jamali T, Scott CZ, Varughese MG (2021, April 02). Catatonia in a patient with covid-19 infection [Poster presented]. Baylor College of Medicine, Department of Medicine Research Symposium/Houston, TX, USA
- Jamali T, Tasleem SH, Choi KH, Kligman E, Sealock, RJ (2020, October 24). Successful endoscopic resection of portal hypertensive gastric polyps [Poster presented]. American College of Gastroenterology Annual Scientific Meeting/Virtual Meeting, UA, USA
- Nguyen T, Ali SA, Adams N, Chin A, Hood B, Jamali, T, Chu D, Scally, K (2021, April 02). Clot got your tongue? [Poster presented]. Baylor College of Medicine, Department of Medicine Research Symposium/Houston, TX, USA
- Raasikh T, Jamali T, Flores A, Cotton R, Ramanathan V, Tan HP, Hernaez R (2020, November 15). Hepatitis C viremic donors to hepatitis C negative recipients in solid organ transplantation: a systematic review [Poster presented]. American Association for the Study of Liver Diseases National Conference/Virtual Meeting, UA, USA
- Tasleem SH, Jamali T, Abrams D, El-Serag H, Khalaf N (2021, April 02). The utility of EUS after traditional cross-sectional imaging for mucinous pancreatic cysts [Poster presented]. Baylor College of Medicine, Department of Medicine Research Symposium/Houston, TX, USA
- Triska J, Kaplan J, Jamali T, Kianoush S, Birnbaum Y. (2021, April 02). Two cases of Staphylococcus Aureus myopericarditis: a meditation on the spectrum of origins and presentations [Poster presented]. Baylor College of Medicine, Department of Medicine Research Symposium/Houston, TX, USA
- Jamali T, Scott CZ, Varughese MG (2021, June 03). Locked down with covid-19: a case of catatonia [Oral Presentation]. Department of Medicine Grand Rounds (Baylor College of Medicine)/Houston, TX, USA

- Xu A, Kramer J, Abrams D, Jamali T, Liu Y, Singh H, Kanwal F, Khalaf N (2021, May 22). The impact of race on pancreatic cancer treatment and survival in the nationwide veterans affairs healthcare system [Oral Presentation]. Digestive Diseases Week/Virtual Meeting, UA, USA
- 1st place in Clinical Medicine at the Department of Medicine Baylor Housestaff Research Symposium (Awarded May 2021)

Jeyakumar, N

- *JCO Precision Oncology* (IF **4.853**): 1
- *Case Reports in Immunology*(IF **n/a**): 1

Jiang, D

- Khan V, Jiang D, Panneerselvam K, Ramey J, Singh R, Hyun-Seok K, Thrift AP, Husain N, El-Serag HB, Missed Opportunities for Hepatocellular Carcinoma (HCC) Screening and Surveillance Amongst Veterans Subsequently Diagnosed with HCC. AASLD 2020 TLMdX November 2020. Digital

Kaczmarek, J

- *Journal of Cardiovascular Pharmacology and Therapies* (IF **2.322**): 1

Kherallah, R

- *American Journal of Preventive Medicine* (IF **5.043**): 1
- *Cardiovascular Drugs and Therapy* (IF **4.069**): 1
- *Annals of Rheumatic Diseases* (IF **12.350**): 1
- *International Journal of Cardiology* (IF **3.471**): 1
- *Preventive Medicine* (IF **4.018**): 1
- *Catheterization and Cardiovascular Interventions* (IF **2.692**): 1
- *Annals of Thoracic Surgery* (IF **4.333**): 1

Kumar, D

- Coronel M, Bahdi F, Kumar D, Kumar S, Lum P, Nogueras G, Weston B, Ross WA, Raju GS, Ge PS, Coronel E, Lee JH. The use of EUS and ERCP in the diagnosis of extrahepatic biliary cholangiocarcinoma. Experience from a large tertiary care center. Digestive Disease Week. (Virtual Poster Presentation; May 2021)
- Birnbaum J, Bhan N, Carstens R, Jacob J, Kaplan J, Khawaja M, Kumar D, Lavere K, Liu K, Rao A, Savadel S, Singh R, Spezia-Lindner N, Thomas B, Morse M, Podany W, Lu L. Assessing continuity at various primary care pavilions within the Baylor College of Medicine Internal Medicine Program. Baylor College of Medicine Housestaff Symposium. (Virtual Poster Presentation; May 2021)
- Kumar D, Sarvepalli S, Lie M, Wong N, Madu S, Ketwaroo A, Hou J, Flores, Hernaez, R. Providing care for liver transplant patients via video telehealth during the COVID-19 pandemic. American Association for the Study of Liver Diseases 2020. (Virtual Poster Presentation; Nov 2020)

- Kumar D, Bansal V, Raza SA, Malaty HM, Sealock RJ. Increasing incidence of cholangiocarcinomas in a predominately underserved Hispanic population. Texas Chapter of the American College of Physicians Annual Scientific Meeting 2020. (Virtual Poster Presentation; Oct 2020)
- Kumar D, Mapakshi S, Sheikh R. When VCE is Not Enough: It was the blebs! American College of Gastroenterology 2020. (Virtual Poster Presentation; Oct 2020)
- Kumar D, Wolfson S, Kaczmarek J, Boone S. It was the bullet: A rare case of acute pericarditis. 2020 Texas ACP Associate's Day. (Selected for Written Abstract Submission; Aug 2020)

La Starza, B

- La Starza B, Harrison D, Broda C, Parekh D, Qureshi A, Gowda S, Ermis P, Opina A, Aggarwal S, Dolgner S, Lam W. Echocardiography performance characteristics for baffle complications in patients with d-transposition of the great arteries and atrial switch operation. ACC 2021 poster presentation, J Am Coll Cardiol 2021;77(18):518-518

Nemeh, C

- Garner, O, Patterson, J, Munoz-Mejia, J, Anand, V, Deleija, J, Nemeh, C, Vallabh, M, Staggers, K, Howard, C, Trevino, S, Siddique, M, Morgan, C. Impact of Ketamine as an Adjunct Sedative in Patients with COVID-19 Acute Respiratory Distress Syndrome. Manuscript in Review-Journal of Critical Care Medicine 6/2021
- Nemeh, C, Lavere, P, Deleija-Lujano, J, Salem, A, Sarkar, P, Alapat, P. Use of Tissue Plasminogen Activator in COVID-19 Acute Respiratory Distress Syndrome: A Retrospective Case Series. Abstract. CHEST Annual Meeting, Orlando, Florida (10/2021)
- Thakker, J, Nemeh, C. Multiorgan System Dysfunction in the Previously Healthy Host - A Case of Community Acquired Candida Parapsilosis. Case Report. CHEST Annual Meeting, Orlando, Florida (10/2021)
- Nemeh, C, Dongarwar, D; Oguduwa, E; Salihu, H, Barrantes Perez, J. Clinical Outcomes of Noninvasive Ventilation in Asthma, Bronchiectasis and Chronic Obstructive Pulmonary Disease. Journal of the Southern Medical Association. Accepted for Publication 5/2021
- Nemeh, C; Muradali K; Arnell, M; Horstman, M; Kulkarni, P. Implementation of a Rapid Response Order Set in a Single-Center Metropolitan Veterans Affairs Medical Center: A Quality Improvement Study. American Thoracic Society Annual International Meeting, Los Angeles, California (Virtual) 5/2021
- Nemeh, C, Paranal, R, Mehta, N. Adrenal Insufficiency Presenting as New Acute Mania. Baylor College of Medicine Virtual Symposium, Houston, TX 4/2021
- Nemeh, C; Vo, T; Horstman, M. Hantavirus Cardiomyopathy in a Patient with Newly Diagnosed Systemic Lupus Erythematosus. CHEST Annual Meeting, Chicago, IL (Virtual) 10/2020
- Nemeh, C; Nunna, K; Bashour, S; Siddique, M. Hemophagocytic Lymphohistiocytosis as a Complication of Haemophilus Influenzae Pneumonia. CHEST Annual Meeting, Chicago, IL (Virtual) 10/2020
- Verma, D; Nemeh, C; Graziani, C; Sharafkhaneh, A; Pandit, L. Submassive and Massive Pulmonary Embolism in a Single-Center Metropolitan VA Medical Center Experience:

Determinants for Follow-Up and Long-Term Outcomes. CHEST Annual Meeting, Chicago, IL (Virtual) 10/2020

- Ravishankar, M; Nemeh, C; Graziani, C; Morgan, C. Improving Documentation of Post-Cardiac Arrest Glasgow Coma Scale. Texas Chapter of the American College of Physicians, Virtual Meeting, 11/2020

Nguyen, C

- *Clinical Case Reports* (IF **0.53**): 1
- *British Journal of Haematology* (IF **5.518**): 1

O'Keefe, S

- O'Keefe S, Hirsch J, McCants D. 2020 Texas ACP Associates Day. Phlegmasia Cerulea Dolens in Mild COVID-19

Panneerselvam, K

- *Journal of the National Comprehensive Cancer Network* (IF **7.57**): 2
- *Current Opinion Gastroenterology* (IF **3.225**): 1
- *Inflammatory Bowel Diseases* (IF **4.525**): 1
- Panneerselvam K, Szafron D, Amin R, Khurana S, Wei D, Tan D, Okhuysen PC, Zhang H, Thomas AS, Wang Y. Characteristics, treatment, and outcomes of cytomegalovirus infection in patients treated with immune checkpoint inhibitors. DDW 2021 Annual Scientific Meeting; Oral presentation; 2021 May 21 - 23; Virtual meeting
- Panneerselvam K, Cifuentes JG, Suarez MG. Gastrointestinal Manifestations of Scurvy [Poster #S2168]. Program and abstracts of the ACG 2020 Annual Scientific Meeting; 2020 October 23-28, virtual meeting
- Panneerselvam K, Amin RN, Wei D, Tan D, Lum PJ, Zhang HC, Richards DM, Altan M, Grivas P, Thompson JA, Thomas AS, Wang Y. Clinicopathological features, treatment response, and outcomes of immune checkpoint inhibitor-related esophagitis [Poster #S0451]. Program and abstracts of the ACG 2020 Annual Scientific Meeting; 2020 October 23-28, virtual meeting
- George R, Panneerselvam K, Othman M, Rajman I. Gaining an EDGE: a single center experience with EUS-directed transgastric ERCP and EUS [Poster #S0054]. Program and abstracts of the ACG 2020 Annual Scientific Meeting; 2020 October 23-28, virtual meeting
- Jacob JS, Dutra BE, Garcia-Rodriguez VO, Panneerselvam K, O'Abraham F, Zou F, Grivas P, Thompson JA, Thomas AS, Wang Y. Clinical characteristics and outcomes of oral mucositis associated with immune checkpoint inhibitors in patients with cancer [Poster #S0376]. Program and abstracts of the ACG 2020 Annual Scientific Meeting; 2020 October 23-28, virtual meeting
- Khan V, Jiang D, Panneerselvam K, Ramey J, Singh R, Kim H, Thrift AP, Husain N, El-Serag HB. Missed opportunities for hepatocellular carcinoma (HCC) screening and surveillance amongst veterans subsequently diagnosed with HCC [Poster #1062]. Program and abstracts of The Liver Meeting 2020; 2020 Nov 13-16, virtual meeting
- Panneerselvam K, Samuel R, Sealock RJ. A unique case of esophageal perforation successfully treated with endoluminal vacuum therapy [Poster #49]. Department of Medicine Housestaff Research Symposium; 2021 March 29 – April 2; Houston, TX

Paranal, R

- *Haematologica* (IF **7.116**): 1

Park, K

- *International Journal of Gynecological Pathology* (IF **1.833**): 1
- *Dermatology Online Journal* (IF **0.74**): 1

Parrish, J

- Khan S, Parrish J, Premji S, Teegavarapu S. Unique Presentations of MALT Lymphoma: A Small Case Series. Baylor St. Lukes & Dan L Duncan Comprehensive Cancer Center Hematologic Malignancies Symposium. Virtual poster. March 2021
- Parrish J. Extranodal NK/T cell Lymphoma, Nasal Type, associated with a Cosmetic Nasal Implant-Expanding the Scope for Implant Associated Lymphomas. Baylor St. Lukes's & Dan L Duncan Comprehensive Cancer Center Hematologic Malignancies Symposium. March 2021
- Parrish J, Khan M, Gombos D, Iyer S. Primary Intra-Ocular Lymphoma: Characteristics of Presentation and Response to Combined Modality Treatment. Virtual poster. Baylor College of Medicine House Staff Symposium. March 2021
- Simmons K, Afaq A, Parrish J, Shukla M, Vasavada S, Goswami R, Rubio D. Improving Dual Provider Discharge Medication Reconciliations at a Comprehensive Cancer Center. Virtual poster. Baylor College of Medicine House Staff Symposium. March 2021
- Parrish J, Premji S, Khan M, Elias A, Malpica L, Nair R, Chihara D, Miranda R, Xu J, Vega F, Srouf S, Iyer S. Prognostic Role of CD30 from a Retrospective Review of 295 Patients with Angioimmunoblastic T Cell Lymphoma. Virtual poster. European Hematologic Association 2021 Virtual Congress. June 2021

Patel, A

- *Texas Heart Institute Journal* (IF **1.023**): 1

Peng, FB

- *Liver International* (IF **5.175**): 1
- *American Journal of Clinical Oncology* (IF **2.339**): 1

Pickett, G

- *Journal of Clinical Immunology* (IF **6.780**): 1
- *The Journal of Allergy and Clinical Immunology: In Practice* (IF **14.110**): 1

Podany, E

- Loftspring E, Allencherril R, Podany E, Khawaja L. Injury upon consumption of a mystery beverage. February 2021. Society of General Internal Medicine, Southern Regional Meeting. Poster
- Blau B, Podany EL, Tucker B. Severe hyponatremia secondary to oral budesonide-induced adrenal insufficiency. August 2020. ACP Associates' Day. Oral presentation by Dr. Blau

Premji, S

- Premji S, Yildirim C, Fillmore N, Yellapragada S, Brophy M, Do N, Huang Q, Friedman D, Mushi N. Second primary malignancies (SPM) in African American (AA) and white patients with multiple myeloma in National Veterans Affairs (VA) healthcare system [Oral abstract presenter]. Programs and Abstracts of the American Society of Clinical Oncology (ASCO) Annual Conference, June 2021

Ramey, JS

- Ramey JS, Bujarski S. Clinical Utilization and Outcomes of HHHFNC. Poster Presentation. BCM Housestaff Research Symposium. April 2021
- Ramey JS, Al-Balas H, Devarajan S, Tuthill S, Bujarski S. Quality Improvement Initiative to Reduce the Rates of Chest Tube Failure in Management of Iatrogenic Pneumothorax Following CT-Guided Lung Biopsy. Poster Presentation. Chest 2021. Orlando, FL. October 2021

Rana, R

- Berger S, Xu A, Rana R. When Lymphoma is at the Heart of the Issue (Abstract #70). Program and abstracts of the Annual Meeting of the Southern Chapter for the Society of General Internal Medicine, Virtual, 2021
- Engler E, Rana R, Foldes C. The RASHional Effects of Gastric Bypass (Abstract #21). Program and abstracts of the Baylor College of Medicine Department of Medicine Housestaff Symposium, Houston, TX, 2021
- Rana R, Chinn I, Davis C. A Novel Distal Missense Variant in Coatmer Protein Subunit Alpha with Likely Pathogenicity Manifesting as Atypical Copa Syndrome (Case Report #54). Program and Abstracts of the American Academy of Allergy, Asthma, and Immunology Annual Meeting, Virtual, 2021

Ravishankar, M

- *Methodist DeBakey Cardiovascular Journal* (IF **1.36**): 1

Szafron, D

- *Journal for Immunotherapy of Cancer* (IF **13.751**): 2
- *Cancers* (Basel) (IF **6.126**): 1
- *Gut* (IF **19.819**): 1
- Szafron D, Chatterjee R, Bushan S, Ketwaroo G. Improving quality of care for patients with gastrointestinal bleeding due to small bowel arteriovenous malformations [Poster #Sa093]. Program and abstracts of the 2021 Digestive Disease Week conference
- Nadeem S, Szafron D, Chu D, Ansari Y. Adapting to the Covid-19 pandemic: weekly multidisciplinary simulation education. EM Resident. February 2021; 48(1). <https://www.emra.org/emresident/article/covid-sim-training/>

Trionzi, JL

- *Nephrology Dialysis Transplantation* (IF **4.531**): 1
- *Current Opinion in Nephrology and Hypertension* (IF **2.532**): 1

- Triozzi JL, Ahmad S, Amenta E, Muradali K, Hirsch J, Park JH, Kulkarni PA, Vasudevan M. Acceleration of endocrinology telehealth for management of diabetes mellitus during COVID-19 pandemic (ACE-DM) (ePoster). Baylor College of Medicine Department of Medicine Housestaff Research Symposium, Houston, TX, 2021
- Premji S, Byers M, Triozzi J, Amenta E, Hirsch J, Ulhaq O, Ynalvez L, Kherallah R, Rao A, Birnbaum J. Clinical Question Conference (CQC): a unique approach to learning evidence-based medicine (ePoster). Baylor College of Medicine Department of Medicine Housestaff Research Symposium, Houston, TX, 2021
- Triozzi JL, Richardson PA, Gregg LP, Navaneethan SD. Incidence and predictors of nonalcoholic fatty liver disease among patients with chronic kidney disease (ePoster). Baylor College of Medicine Department of Medicine Housestaff Research Symposium, Houston, TX, 2021
- Lim J, Amenta E, Muradali K, Triozzi J. Learner-led academies of resident educators foster innovation and develop future leaders by creating communities of educational practice (Workshop). The 2020 International Conference on Residency Education, Ottawa, Canada, 2021
- Triozzi JL, Al Attar L, Saeed MK, Yan J, Tucker BM. Severe vancomycin nephrotoxicity (ePoster). American Society of Nephrology Kidney Week Annual Meeting, Houston, TX, 2020
- Triozzi JL, Niu J, Navaneethan SD. Critical care resource use in the safety-net setting (ePoster). American Society of Nephrology Kidney Week Annual Meeting, Houston, TX, 2020
- Triozzi JL, Ahi A. Blame-o the vanc-o. Renal Fellow Network. <https://www.renalfellow.org/2021/02/25/skeleton-key-group-case-16-blame-o-the-vanc-o/>. Updated February 25, 2021
- Amenta E, Triozzi J, Kulkarni P. Syphilis 2.0. Clinical Problem Solvers. <https://clinicalproblemsolving.com/syphilis-3/>. Updated July 28, 2020

Ulhaq, O

- *Open Heart* (IF **2.45**): 1

Vasavada, S

- Vasavada S, Yinghong Wang. Aeromonas Spp. Enteritis in the Course of Recurrent Immune Checkpoint Inhibitor Colitis (Abstract #671). Poster presentation. American College of Gastroenterology Meeting, October 2020
- Vasavada S, Yinghong Wang. Pembrolizumab-Induced Gastritis Successfully Treated With Vedolizumab (Abstract #2897). Poster presentation. American College of Gastroenterology Meeting, October 2020
- Vasavada S, Mallepally N, George R, Chan J. A Case of Acute Ischemic Gastritis Following Heart Failure Exacerbation (Abstract #1131). Poster presentation. American College of Gastroenterology Meeting, October 2020
- Vasavada S, Dhingra S, Stribling R, Agrawal N. A Suspected Case of Benazepril-Hydrochlorothiazide Inducing Autoimmune Hepatitis (Abstract #Su328). Poster presentation. Digestive Diseases Week Meeting, May 2021
- Othman O, Vasavada S, Jawaid S, Palivela N, Oliver M, Mercado M, Liu Y, Growth S. Multidisciplinary Approach Expedited The Learning Curve and Minimized Complications of

Peroral Endoscopic Myotomy (Abstract #Su162). Poster presentation. Digestive Diseases Week Meeting, May 2021

- Vasavada S, Amin R, Okhuysen P, Thomas A, Wang Y. Clostridioides difficile Infections in Cancer Patients on Immune Checkpoint Inhibitors. Oral presentation. Digestive Diseases Week Meeting, May 2021

Yang, M

- Yang, M, Miller J, Hamer J, Hyman D, Lu L. Investigation of Patient medication Compliance and Factors Affecting Blood Pressure Control at Smith Medicine Clinic. Presented at Harris Health Healthcare Quality Week ePoster competition. October 2020. Houston, TX
- Yang, M, Nguyen J, Nguyen C. Reframing for the Rickettsia Diagnosis. October 2020. Diagnostic Error 13th Annual International Conference ePoster session
- Yang, M, Patel A, Goswami R, Sibille M. Abdominal Pain as an Unusual Presentation of Non-Bacterial Thrombotic Endocarditis in the Setting of Pancreatic Cancer. Society of Hospital Medicine Annual Conference 2020 scientific abstracts, San Diego, CA

Ynalvez, LA

- Urena P, Paniagua DE, Induni E, Paniagua LM, Ynalvez LA, Alcantara JR, Ynalvez MA, Paniagua D. First human transcatheter aortic valve implantation of the Colibri Heart Valve, a pre-mounted, pre-packaged, low profile dry valve: a 7-year follow-up. Abstract submitted: Challenging Case, Transcatheter Cardiovascular Therapeutics; 2020 Oct 14-18; virtual conference
- Ynalvez LA, Ynalvez MA, Annamaneni A, Parekh D. Technique for large pulmonary arteriovenous malformation occlusion. Abstract submitted: Challenging Case, Transcatheter Cardiovascular Therapeutics; 2020 Oct 14-18; virtual conference

Zhu, L

- *JCO Precision Oncology* (IF **44.544**): 1
- *Investigational New Drugs* (IF **3.535**): 1

2020 FELLOWSHIP MATCH RESULTS

Cardiology	
Michael Blair	Baylor University Medical Center (Dallas)
Daniel Chu	University of California – San Diego
Andrew Chang	Loma Linda University
Ali Reza-Ghergherehchi	Baylor, Scott & White - Temple
Darren Harrison	University of Texas Dell (Austin)
Alex Harvey	University of Oklahoma
Kim Trang-Ho	Texas Heart Institute
Jessica Kaczmarek	Medical University of South Carolina
Melissa McCormick	University of Texas – Houston
Anthony McClafferty	Henry Ford Hospital
Matthew McCullough	University of Missouri School of Medicine

Yagya Pandey	Rush University
Ashley Patel	Baylor College of Medicine
Tushar Ramesh	University of Cincinnati
Milan Ravishankar	Baylor University Medical Center (Dallas)
Owais Ulhaq	Baylor College of Medicine
Leslie Ynalvez	University of Texas - Houston
Pediatric Cardiology (Medicine/Pediatrics Residents)	
John Shabosky	Texas Children's Hospital
Ran Xiao	Texas Children's Hospital
Afshan Rizvi (2020 graduate)	University of Pittsburgh Medical Center
Atherosclerosis & Vascular Medicine	
Matthew Deshotels	Baylor College of Medicine
Gastroenterology & Hepatology	
Tony Deng	University of Texas - Houston
Kingsley Emelogu	Emory University
David Szafron	Baylor College of Medicine
Anthony Xu	Baylor College of Medicine
Infectious Diseases	
Eva Amenta	Baylor College of Medicine
Naseem Alavian (2017 graduate)	Duke University
Sabina Pathan	National Institutes of Allergy & Infectious Diseases
Combined Pediatric & Adult Infectious Diseases	
Katie Bedard	Boston Children's Hospital & Beth Israel Hospital
Nephrology	
Jefferson Triozzi	Vanderbilt University
Combined Pediatric & Adult Nephrology	
AC Gomez	Boston Children's Hospital & Brigham & Women's Hospital
Hematology & Oncology	
Deepak Bhamidipati	MD Anderson Cancer Center
Elizabeth Eisenmenger	Baylor College of Medicine
Cyrus Iqbal	Baylor College of Medicine
Nikeshan Jeyakumar	Stanford University
Charles Nguyen	University of Michigan
Ron Paranal	University of Washington
Limon Zhu	Oregon Health Sciences University
Combined Pediatric & Adult Hematology/Oncology	
Helen Reed (2020 graduate)	Boston Children's Hospital & Brigham & Women's Hospital
Pulmonary/Critical Care & Sleep Medicine	
Juan Deleija-Lujano, Jr.	Baylor College of Medicine
Adam Kley	Baylor College of Medicine
Mary Wang (2020 graduate)	University of North Carolina
Pediatric Critical Care	
Amy Dutko (2020 Med/Peds graduate)	Texas Children's Hospital
Rheumatology	
Surabhi Vinod	Baylor College of Medicine
Allergy & Immunology	
Sadhana Balasubramanyam	University of Colorado

Tim Chew	University of Michigan
Grant Pickett	Baylor College of Medicine
Geriatrics	
Craig Thomas	Baylor College of Medicine
Endocrinology	
Eduardo Lopez-Martinez	University of North Carolina
Pediatric Emergency Medicine	
Yasmine Koukaz	Texas Children's Hospital
Hospice & Palliative Care	
Rachna Goswami	Duke University

SPECIAL PROJECTS

Academy of Resident Educators & AoRE Educational LAB Elective

The **Academy of Resident Educators (AoRE)** has continued to be an important resident-led, faculty-mentored community within the program. The AoRE Board has continued to facilitate resident involvement and development in teaching by implementing a curriculum of monthly workshops on a variety of educational topics as well as overseeing the Distinguished Resident Educator Certificate program. In 2019-2020, the group gained two additional faculty mentors in Dr. Prathit Kulkarni and Dr. Jon Lim. Dr. Lim has continued to oversee the AoRE LAB, a medical education research elective and curriculum that usually includes about 10 residents per year.

2021 Academy of Resident Educators Distinguished Educator Certificate	
Kathryn Bedard	Melissa McCormick
Chris Nemeh	Ronald Paranal
John Shabosky	Ritika Singh
Owais Ulhaq	Anthony Xu
2021 Academy of Resident Educators Distinguished Educator Certificate with Distinction in Educational Scholarship	
Christian Inchaustegui	Adam Kley
Yasmine Koukaz	Ashley Patel
Ruchit Rana	Divya Verma
Emma Ye	

2021 Housestaff Research Symposium



The poster features a dark blue background with a large red 'W' shape and a red heart containing a white ECG line. The text is white and red.

DEPARTMENT OF MEDICINE
**House Staff
Research
Symposium 2021**

Join us as we move into the virtual world!

Monday March 29 — Friday April 2nd
<https://tinyurl.com/BaylorSymposium2021>

VoiceThread Tips

After picking the abstract category, click the three horizontal bars (top left) to change your view type to "List". A "Search" bar is also available.



When viewing a presentation, click the + sign (bottom right) to zoom in. Drag your mouse to move around the poster.



Controls for starting/pausing the audio summary on the bottom right.



Note: The VA and other institutions may block this link. You can access the site from outside the institution or using BCM myapps by clicking here: <https://myapps.bcm.edu>

Questions/Feedback: Email Chirayu.Shah@bcm.edu

Because of the CoVID-19 pandemic restrictions, it was necessary to hold the 2020 Department of Medicine Housestaff Research Symposium virtually, instead of in-person as it had originally been scheduled for April 2, 2020. There were 125 abstracts submitted for presentation: 6 Basic Science; 33 Clinical Research; 63 Clinical Medicine; 16 Quality Improvement & Patient Safety; and 7 Educational Research. Sixty-four faculty members volunteered to judge the on-line posters.

Award Winners

Basic Science		
1 st (TIE)	Matthew Seasock	Poster #20: Genetic Ablation of let-7bc2-cluster in Alveolar Type 2 Cells Drives COPD-like Disease in Mice
1 st (TIE)	Phillip Erice	Poster #4: MicroRNA Let-7bc2-Cluster Controls COPD via SOCS-IL6-IL10 Circuit in Lung APCs
2 nd	Cynthia Truong	Poster #16: Epidermal Stem Cell Dysfunction Underlies Impaired Wound Repair in Aged Skin
3 rd	Jesus Ortiz-Urbina	Poster #11: Kovacs Modeling of Diastolic Function Identifies Sex-Dependent Features of Cardiac Aging in C57BL6 Mice
Clinical Medicine		
1 st	Taher Jamali	Poster #39: Catatonia in a Patient with COVID-19 Infection
2 nd (TIE)	Christian Inchaustegui	Poster #41: Simultaneous Arterial and Venous Thrombosis in a Healthy Male After a Mild COVID-19 Infection
2 nd (TIE)	Nathan Spezia-Lindner, Divya Kondapi	Poster #28: Getting KICS Out of a Correct Diagnosis: A Case of a Rare KSHV-Associated Syndrome
3 rd	Feng Gao	Poster #46: Beyond the Obvious: Acute Aortic Dissection Presenting as Cardiac Tamponade
Clinical Research		
1 st	Mary Fang	Poster #10: Utility of Mining a Genetic Diagnostic Laboratory for Atypical Diabetes Cases for the Rare and Atypical Diabetes Network (RADIANT) Study
2 nd	Riyad Kherallah	Poster #28: Long Term Outcomes of Veteran Patients after Transcatheter Aortic Valve
3 rd	Francisco Novoa	Poster #27: Postmenopausal Women Have the Highest Risk of Advanced NAFLD Fibrosis
Educational Research		
1 st	Divya Verma	Poster #9: A Novel Session to Introduce Teaching Microskills to Rising Interns
2 nd	Lindsey Brettmann	Poster #5: Well-Being Among Resident Physicians in Multiple Specialties During the COVID-19 Pandemic
3 rd	Elizabeth Kravitz	Poster #1: Expanding Voter Registration at a County Hospital System in Houston, Texas
QI/PS		
1 st (TIE)	Sami Bashour	Poster #10: Improving Early Mobilization in the ICU
1 st (TIE)	Brandon Blau	Poster #18: Improving the Utilization of Scheduled Insulin Regimens in Hospitalized Patients with Type 2 Diabetes Mellitus
2 nd	Daniel Liaou	Poster #16: Changes in VA Reliance for Depression Care After Medicaid Expansion
3 rd	Ali El-Halwagi	Poster #11: Evaluating the Effectiveness of a Screening Tool for Determining Telephonic vs In-Person Visits in Outpatient Setting

Chief Medical Residents' Visiting Professor



THE 48TH
ANNUAL

CHIEF RESIDENTS' VISITING PROFESSOR

Thursday, May 6, 2021
Noon-1:15 pm

📶 Live broadcast:
<http://bit.ly/BaylorGrandRounds>

🔒 Passcode: 041933

**COACHING
THE LEARNER**
SUPPORTING
GROWTH, FEEDBACK,
AND MENTORSHIP

PRESENTED BY
Kerri Palamara, M.D.
Assistant Professor of Medicine
Harvard Medical School
Primary Care General Internist
Lead, Center for Physician Well-being
Massachusetts General Hospital
Boston, MA





KEYNOTE SPEAKER

Kerri Palamara, M.D.


Kerri Palamara, M.D., is an Assistant Professor of Medicine at Harvard Medical School. She completed her medical degree at New York Medical College and Primary Care Internal Medicine Residency training at Massachusetts General Hospital, and now practices as a primary care general internist at MGH. After 8 years as an Associate Program Director and Primary Care Program Director at MGH, Dr. Palamara was asked to lead the Center for Physician Well-being for the Department of Medicine at MGH as the inaugural director. Her academic work focuses on physician coaching, clinician well-being, and faculty development. Dr. Palamara leads the American College of Physicians "Physician Coach Training Program", which focuses on training physicians to integrate coaching techniques into their quality improvement and well-being initiatives. For her work, Dr. Palamara has won teaching awards at MGH, Partners Healthcare, Harvard Medical School, and the Society of General Internal Medicine; and has been awarded Mastership in the American College of Physicians.

Dr. Palamara created and directs the Physician Coaching Program for trainees at MGH. This program was designed in conjunction with the Institute of Coaching at Harvard Medical School to improve physician awareness of their growth and development, reduce burnout, and improve their

resilience. This coaching program has been recognized by Harvard Medical School for the Culture of Excellence in Mentoring Award, based on the organizational change inspired by this program, and was featured by the AAMC as a model program to reduce resident burnout. Dr. Palamara also directs faculty physician coaching programs at MGH and is currently involved in several randomized controlled trials locally and nationally on the impact of coaching for coaches and their coaches. The MGH Physician Coaching Program has expanded nationally to over 40 residency and fellowship programs and Dr. Palamara is actively involved in onboarding, evaluating and sustaining these programs. Dr. Palamara has developed and run faculty development workshops nationally on this topic and contributes to the dialogue on physician well-being nationally as a member of CHARM (Collaboration for Healing and Renewal in Medicine) and the ACP Physician Well-being & Professional Satisfaction Task Force.


During the COVID-19 pandemic, Dr. Palamara was a leader in several aspects of Massachusetts General Hospital's response, including the hospital's response for staff well-being and clinically as co-director of MGH's first Respiratory Illness Clinic and co-medical director of the Boston Hope field hospital at the Boston Convention & Expo Center.

2021 Resident Graduation



Baylor
College of
Medicine

MARGARET M. & ALBERT B. ALKES
DEPARTMENT OF
MEDICINE



RESIDENCY GRADUATION


CELEBRATION 2021

DATE:
Thursday, June 3, 2021

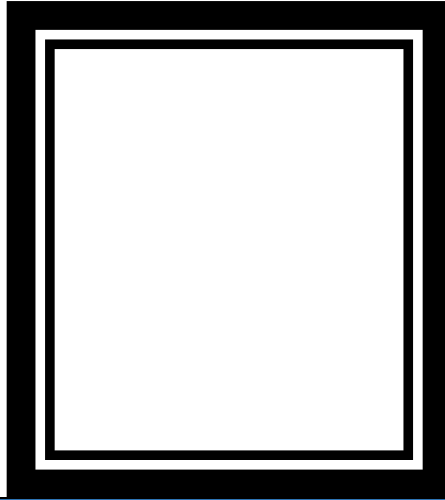
TIME:
7:30 pm

LIVE BROADCAST:
<https://bcm.zoom.us/j/98020042271>

PASSWORD:
698632



**Core Clerkship Outstanding Resident Educator Award
Ruchit Rana, MD**



**VA Outstanding Resident in Inpatient Medicine Award
Charles Nguyen, MD**



Excellence in Ambulatory Care Clinic

For the Michael E. DeBakey VA Medical Center

Ali Ghergherehchi, MD	Komal Muradali, MD
Sonny Nguyen, MD	Ron Paranal, MD
Andrew Chang, MD	

For the Harris Health System Smith Clinic

Juan Deleija Lujano, MD	Ruchit Rana, MD
Leslie Ynalvez, MD	

**H. Irving Schweppe Award for Superb Humanistic Skills
Ritika Singh, MD**



**Henry D. McIntosh Award for Outstanding Resident in Internal Medicine
Ruchit Rana, MD**



