



Baylor  
College of  
Medicine

Annual Report  
**2018**

BAYLOR COLLEGE OF MEDICINE | DEPARTMENT OF MEDICINE





Department of Medicine

---

# TABLE OF CONTENTS

•

*Annual Report 2018*

---

*Section of:*

Section of Cardiology .....	<b>04</b>
Section of Cardiovascular Research .....	<b>12</b>
Section of Endocrinology, Diabetes and Metabolism .....	<b>22</b>
Section of Epidemiology and Population Sciences .....	<b>28</b>
Section of Gastroenterology and Hepatology .....	<b>36</b>
Section of General Internal Medicine .....	<b>48</b>
Section of Geriatrics .....	<b>60</b>
Section of Health Services Research .....	<b>64</b>
Section of Hematology-Oncology .....	<b>80</b>
Section of Immunology, Allergy and Rheumatology .....	<b>90</b>
Section of Infectious Diseases .....	<b>96</b>
Section of Nephrology .....	<b>106</b>
Section of Pulmonary, Critical Care and Sleep Medicine .....	<b>112</b>
Section of Transition Medicine .....	<b>116</b>

---

## Section of Cardiology

---

### OUR FACULTY

#### Baylor St. Luke's Medical Center

*Service Line Chief:*  
Juan Carlos Plana Gomez

#### General Cardiology

Basant Arya  
Hamid Afshar  
Mahboob Alam  
Yochai Birnbaum  
Ali Denktas  
John Farmer  
Ihab Hamzeh  
Srikanth Koneru  
Alireza Nazeri  
Juan Plana Gomez  
Jennifer Loveless  
Florencia Griffin

#### Heart Failure

Andrew Civitello  
Ajith Nair  
Selby Oberton  
Guilherme Silva  
Leo Simpson  
Ziad Taimeh  
Jennifer Cabrera  
Saleema Ali

#### Hall-Garcia

Neil Strickman  
Jose Diez  
Shelia Heinle  
Virendra Mathur  
Michael Mihalick  
Joanna Molina Razavi  
Joseph Navarajo  
Abdi Rasekh  
Mehdi Razavi  
Mohammad Saeed  
Raymond Stainback

#### Ben Taub

Nasser Lakkis  
Olivia Delossantos  
Ihab Hamzeh  
Vanessa Medrano  
Arunima Misra  
Allison Pritchett  
Rashed Tabbaa  
Lily Zhang  
Waleed Kayani

#### VA

Anita Deswal  
Biykem Bozkurt  
Alvin Blaustein  
Savitri Fedson  
Rita Marr  
Vijay Nambi  
Gabriel Habib  
David Paniagua  
Tony Ma  
Irakli Giorgberidze  
Hani Jneid  
Ali Denktas  
Hamid Afshar  
Salim Virani  
Paul Schurmann  
Tina Shah  
Glenn Levine  
Biswajit Kar  
Umar Khalid

#### Woodlands North Houston Heart Center

Vincent Aquino  
Bruce Lachterman  
Christopher Lavergne  
Brenda Peabody  
Bernardo De La Guardia  
Chacko Alexander  
Margit Nemeth  
George Kantis  
Kedar Vaidya  
Christopher Nguyen  
Scott Greenberg  
Jessica Brown

#### Fellowship Program Leadership

##### BCM General Cardiology

Salim Virani,  
*Program Director*  
  
Tina Shah,  
*Associate Program Director, Houston VAMC*  
  
Ihab Hamzeh,  
*Associate Program Director, Ben Taub*  
  
Mahboob Alam,  
*Associate Program Director, BSLMC*

##### BCM Interventional

Hani Jneid, *Program Director*

##### BCM/THI EP

Mohammad Saeed, *Program Director*

##### BCM/THI Advanced Heart Failure

Andrew Civitello, *Program Director*

##### THI Baylor GME General Cardiology

Stephanie Coulter, *Program Director*

George Younis, *Associate Program Director*

##### THI Interventional

David Fish, *Program Director*

## AWARDS & HONORS

- **Alam:** Founding Member, Houston Chapter, International Society of Endovascular Specialists
- **Alam:** Norton Rose Fulbright Faculty Excellence Award, Teaching and Evaluation, Baylor College of Medicine
- **Alam:** Member, Academy of Distinguished Educators, Baylor College of Medicine
- **Alam:** Early Career Award for Excellence in Patient Care, Baylor College of Medicine
- **Alam:** Top Doctors, Texas Monthly Magazine
- **Ballantyne:** Houston Chronicle Top Doctors 2017
- **Ballantyne:** Castle Connolly Top Doctors: Southeast Texas, Castle Connolly Medical Ltd., 2017
- **Ballantyne:** Castle Connolly Top Doctors in Texas for the Speciality of Cardiovascular Disease, Castle Connolly Medical Ltd., 2017
- **Ballantyne:** Castle Connolly Top Doctors in America, Castle Connolly Medical Ltd., 2018
- **Ballantyne:** Selected by his peers for inclusion in Best Doctors in America®, Best Doctors, Inc., Aiken, South Carolina, 2018
- **Ballantyne:** 2017 Highly Cited Researcher presented by Clarivate Analytics, Web of Science, top 1% of researchers most cited
- **Bozkurt:** Women of Excellence recognition, Baylor College of Medicine, 2018
- **Bozkurt:** Top Doctor, Houstonia, 2017
- **Denktas:** Top Doctor, Houstonia, 2017
- **Denktas:** Star Award for Excellence in Patient Care, Baylor College of Medicine, 2018
- **Deswal:** Houston Top Doctors, 2017
- **Diez:** Cigna High Evidence Based Medicine Score and National Committee for Quality Assurance NCQA Physician Recognition, 2017
- **Diez:** United Healthcare Premium Care Physician, 2017
- **Hamzeh:** Nasser Lakkis Excellence in Teaching Award, Baylor College of Medicine, 2017
- **Hamzeh:** Top Doctors, Houstonia, 2017
- **Lakkis:** Excellence in Teaching Award, General Cardiology, 2017
- **Lakkis:** Excellence in Teaching Award, Interventional Cardiology, 2017
- **Lakkis:** Top cardiologist in Houston, Houstonia, 2018
- **Levine:** Master Clinician Award, Baylor College of Medicine, 2018
- **Levine:** Fulbright & Jaworski Faculty Excellence Award – Full Professor, 2018



### *Awards & Honors continued*

- **Levine:** Visiting Professor, Cleveland Clinic, Cleveland, OH, 2018
- **Levine:** Visiting Professor, Mt. Sinai Medicinal Center, New York, NY, 2017
- **Nair:** Star Award for Clinical Excellence, Baylor College of Medicine, 2018
- **Nair:** That's The Way Award: Promoting Positive Patient Experience, Baylor College of Medicine, 2018
- **Nazeri:** Fellow, American College of Cardiology
- **Nazeri:** Fellow, Heart Rhythm Society
- **Shah:** Norton Rose Fulbright Faculty Excellence Award, Teaching and Evaluation, Baylor College of Medicine
- **Shah:** Norton Rose Fulbright Faculty Excellence Award, Enduring Educational Materials, Baylor College of Medicine
- **Shah:** Member, Academy of Distinguished Educators, Baylor College of Medicine
- **Shah:** Leadership Academy, Cohort III, American College of Cardiology
- **Shah:** Fellow of American Heart Association
- **Shah:** Fellow of American Society of Echocardiography
- **Stainback:** Texas "Super Doctors" 2018
- **Virani:** Norton Rose Fulbright Faculty Excellence Award, Development of Enduring Educational Materials, Baylor College of Medicine
- **Virani:** Inducted into Best Doctors database
- **Wehrens:** Outstanding Investigator Award, International Society for Heart Research

### **PROFESSIONAL ORGANIZATIONS**

- **Alam:** Membership Committee, Society of Cardiac Angiography and Interventions
- **Arya:** Task Force for Point of Care Ultrasound in Medical Education, American Society of Echocardiography
- **Ballantyne:** Chair, LDL: Address the Risk Think Tank, American College of Cardiology
- **Ballantyne:** Writing Committee, Expert Consensus Decision Pathway on the Role of Non-Statins Therapies for LDL-Cholesterol Lowering in the Management of Atherosclerotic Cardiovascular Disease Risk, American College of Cardiology
- **Ballantyne:** Board, American Society for Preventive Cardiology
- **Ballantyne:** Board, National Lipid Association
- **Ballantyne:** Scientific Meeting Committee, National Lipid Association
- **Ballantyne:** Co-chair, Project Review Committee, National Lipid Association

- **Birnbaum:** Board of Directors, International Society of Electrocardiology
- **Bozkurt:** Member, Question Writing Committee, Advanced Heart Failure and Cardiac Transplant, American Board of Internal Medicine
- **Bozkurt:** Member, Clinical Policy Approval Committee, American College of Cardiology
- **Bozkurt:** Member, Health Failure Therapies App Work Group, American College of Cardiology
- **Bozkurt:** Member, Informatics and Health IT Task Force, American College of Cardiology
- **Bozkurt:** Member, Subspecialty Work Group, Membership Committee, American College of Cardiology
- **Bozkurt:** Member, Science and Quality Operations Subcommittee, American College of Cardiology
- **Bozkurt:** Chair, Heart Failure and Transplant Council, American College of Cardiology
- **Bozkurt:** Chair, ACCF/AHA Task Force on Clinical Data Standards
- **Bozkurt:** Member, ACC/AHA HF Guideline Toolkit Work Group
- **Bozkurt:** Member, ACCF/AHA Task Force on Clinical Practice Guidelines
- **Bozkurt:** Member, ACCF/AHA Task Force on Performance Metrics
- **Bozkurt:** Member, Board of Directors, Heart Failure Society of America
- **Bozkurt:** Treasurer, Heart Failure Society of America
- **Bozkurt:** Chair, Finance Committee, Heart Failure Society of America
- **Bozkurt:** Member, Clinical Research Network Committee, Heart Failure Society of America
- **Bozkurt:** Member, Development Committee, Heart Failure Society of America
- **Bozkurt:** Member, Membership Committee, Heart Failure Society of America
- **Bozkurt:** Member, Nominations Committee, Heart Failure Society of America
- **Bozkurt:** Member, Strategic Planning Subcommittee, Heart Failure Society of America
- **Denktas:** Member, Competency Management Committee, American College of Cardiology
- **Denktas:** Member, Anticoagulation Work Group, American College of Cardiology
- **Denktas:** Member, Exhibits Committee, American College of Cardiology

- **Denktas:** Member, Education Committee, Society for Cardiovascular Angiography and Interventions
- **Deswal:** Topic Coordinator, Annual Scientific Session Program Committee (Heart Failure), American College of Cardiology
- **Deswal:** Member, Annual Scientific Session Program Committee (Heart Failure), American College of Cardiology
- **Deswal:** Member, Joint American College of Cardiology/ American Heart Association Task Force on Clinical Performance Guidelines
- **Deswal:** Member/Immediate Past Chair, Clinical Heart Failure and Transplantation Committee, Council of Clinical Cardiology, American Heart Association
- **Deswal:** Member, National Get with the Guidelines Steering Committee, American Heart Association
- **Deswal:** Member, Heart Failure Working Group, Get with the Guidelines, American Heart Association
- **Deswal:** Member, Guideline and Statements Committee, Heart Failure Society of America
- **Fedson:** Member, Question Writing Committee, Advanced Heart Failure and Cardiac Transplant, American Board of Internal Medicine
- **Fedson:** Member, Ethics Committee, Heart Failure Society of America
- **Fedson:** Member, Guideline and Statements Committee, Heart Failure Society of America
- **Hamzeh:** Member, ABIM Governance: Cardiovascular Disease Item-Writing Task Force
- **Jneid:** Chair-elect, ACCF/AHA Task Force on Clinical Data Standards
- **Jneid:** Member, ACCF/AHA Task Force on Performance Metrics
- **Jneid:** Member, ACCF NCDR Action Registry Research & Publications Committee
- **Jneid:** Member, Steering Committee, Fellows in Training, American Heart Association
- **Jneid:** Member, International Committee, American Heart Association
- **Jneid:** Member, Organizing Committee, Scientific Sessions, American Heart Association
- **Jneid:** Writing Committee Member, ACC/AHA Chest Pain Guidelines
- **Jneid:** Co-chair, AHA Scientific Statement on Myocardial Infarction with Non-Obstructive Coronary Arteries (MINOCA)
- **Levine:** Chair, ACC/AHA Task Force on Clinical Practice Guidelines
- **Nair:** Member, Heart Failure and Transplantation Committee, Council on Clinical Cardiology, American Heart Association
- **Nair:** Member, National Standards Committee for Heart Failure Care, Catholic Health Initiatives
- **Plana:** Co-chair, Technology Incubator Task Force, American Society of Echocardiography
- **Plana:** Member, Standards and Guidelines Committee, American Society of Echocardiography
- **Plana:** Member, Scientific Sessions Task Force, American Society of Echocardiography
- **Plana:** Member, Cardiac Imaging and Intervention Committee, American Heart Association
- **Plana:** Member, Board of Directors, American Heart Association–Houston Chapter
- **Plana:** Chair, Cardiac Imaging Subcommittee, Catholic Health Initiatives
- **Shah:** Editorial Team Lead, Clinical Topic Collection, Heart Failure and Transplant Council, American College of Cardiology, ACC.org
- **Shah:** Member, Heart Failure Sessions Planning Committee, 67th Scientific Sessions, American College of Cardiology
- **Stainback:** Director, Board of Directors, American Society of Echocardiography
- **Stainback:** Immediate Past Board Chair, Intersocietal Accreditation Commission
- **Stainback:** President, Greater Houston Echo-Vascular Society
- **Virani:** Chair, Leadership Council and Council for the Prevention of Cardiovascular Disease, American College of Cardiology
- **Virani:** Chair, Research and Publications Committee, PINNACLE Registry, National Cardiovascular Data Registry, American College of Cardiology
- **Virani:** Member, LDL: Address the Risk Think Tank, American College of Cardiology
- **Virani:** Member, Guideline Tool Work Group, 2018 ACC/AHA Cholesterol Guideline, American College of Cardiology
- **Virani:** Member, Research to Practice (R2P) Initiative Work Group, National Cardiovascular Data Registry, American College of Cardiology
- **Virani:** Topic Coordinator (Prevention), Annual Scientific Session Program Committee, American College of Cardiology
- **Virani:** Chair, Heart Disease and Stroke Statistics Committee, American Heart Association
- **Virani:** Member, EPI Leadership Committee, Council on Epidemiology and Prevention, American Heart Association
- **Virani:** Board of Directors, American Society of Preventive Cardiology
- **Wehrens:** Chair, Young Investigator Award competition, American Society of Clinical Investigation
- **Wehrens:** Chair, Research Committee, Heart Rhythm Society

## RESEARCH FUNDING

- **Ballantyne** (co-PI): Profiling Cardiovascular Events and Biomarkers in the Very Old to Improve Personalized Approaches for the Prevention of Cardiac and Vascular Disease; NIH/NHLBI (R01); annual direct costs \$549,802 (09/01/2016– 08/31/2020)
- **Ballantyne** (coinvestigator): Atherosclerosis Risk in Communities (ARIC) Study–Field Centers; NIH; annual direct costs \$311,673 (11/15/2016–11/14/2021)
- **Ballantyne** (coinvestigator): Monocyte Activation and the Role of CD11c in Obesity- Linked Metabolic Syndrome; NIH/NHLBI (R01); annual direct costs \$241,769 (04/01/2015–03/31/2020)
- **Ballantyne** (coinvestigator): Diabetes and Prediabetes in Older Adults; NIH/NIDDK (R01); annual direct costs \$36,371 (01/01/2016–12/31/2020)
- **Ballantyne** (coinvestigator): miRNAs, Whole Diet, and Coronary Heart Disease; NIH/NHLBI (R56); total direct costs \$12,147 (09/01/2016–08/31/2018)
- **Ballantyne** (coinvestigator): Comparative Effectiveness of Physicians versus Non- physicians for the Delivery of Outpatient Diabetes Care: Implications for Access to Care under the Affordable Care Act; American Diabetes Association; total direct costs: \$486,957 (01/01/2014–12/31/2017)
- **Ballantyne** (PI): The Familial Hypercholesterolemia Foundation Cascade-FH Registry; Duke University; total direct costs \$20,000 (07/01/2014–06/30/2019)
- **Ballantyne** (PI): Measurement of Galectin-3 at Visit 4 and Visit 5 for the Full ARIC Cohort; Abbott Laboratories; total direct costs \$31,500 (03/14/2014–07/31/2018)
- **Ballantyne** (PI): hsTroponin Screening at Visit 4 and Visit 5 for the Full ARIC Cohort; Abbott Laboratories; total direct costs \$371,965 (05/12/2014–05/11/2019)
- **Ballantyne** (PI): A Randomized, Double-blind, Placebo-controlled, Dose-ranging Phase 2 Study of ISIS 681257 Administered Subcutaneously to Patients with Hyperlipoproteinemia(a) and Established Cardiovascular Disease (CVD); Akcea Therapeutics; total direct costs \$172,510 (02/28/2017–02/27/2020)
- **Ballantyne** (PI): A Randomized, Double-blind, Placebo-controlled, Dose-ranging Phase 2 Study of ISIS 678354 Administered Subcutaneously to Patients with Hypertriglyceridemia and Established Cardiovascular Disease; Akcea Therapeutics; total direct costs \$206,886 (03/08/2018–03/07/2021)
- **Ballantyne** (PI): A Multicenter, Controlled, Open-Label Extension (OLE) Study to Assess the Long-Term Safety and Efficacy of AMG-145; Amgen, Inc; total direct costs \$43,965 (6/01/13–2/08/18)
- **Ballantyne** (PI): GAUSS-3A—Double-Blind, Randomized, Multicenter Study to Evaluate the Safety and Efficacy of AMG 145, Compared with Ezetimibe, in Hypercholesterolemic Subjects Unable to Tolerate an Effective Dose of an HMG- CoA Reductase Inhibitor due to Muscle Related Side Effects; Amgen, Inc; total direct costs \$60,085 (02/18/2014–03/21/2018)
- **Ballantyne** (PI): A Multicenter, Open-Label, Single-Arm, Extension Study to Assess Long-Term Safety of Evolocumab Therapy in Patients with Clinically Evident Cardiovascular Disease; Amgen Inc; total direct costs \$45,670 (8/17/16– 12/31/21)
- **Ballantyne** (PI): A Randomized, Double-Blind, Placebo-Controlled, Multicenter Long-Term Safety and Tolerability Study of ETC 1002 in Patients with Hyperlipidemia at High Cardiovascular Risk Who Are Not Adequately Controlled by Their Lipid-Modifying Therapy; Esperion Therapeutics; total direct costs \$62,963 (06/27/2016–06/29/2018)
- **Ballantyne** (PI): A Randomized, Double-Blind, Placebo-Controlled Study to Assess the Effects of Bempedoic Acid (ETC-1002) on the Occurrence of Major Cardiovascular Events in Patients with, or at High Risk for, Cardiovascular Disease Who Are Statin Intolerant; Esperion Therapeutics; total direct costs \$40,614 (05/17/2017–04/30/2020)
- **Ballantyne** (PI): A randomized, double-blind, placebo-controlled, parallel group, multicenter study to evaluate the efficacy and safety of bempedoic acid (ETC1002) 180 mg/day as add-on to ezetimibe therapy in patients with elevated LDL-C; Esperion Therapeutics; total direct costs \$29,253 (6/07/17– 4/25/18)
- **Ballantyne** (PI): A Randomized, Double-Blind, Parallel-group Study to Evaluate the Efficacy and Safety of Bempedoic Acid 180 mg + Ezetimibe 10 mg Fixed-dose Combination Compared to Bempedoic Acid, Ezetimibe, and Placebo Alone in Patients Treated With Maximally Tolerated Statin Therapy; Esperion Therapeutics; total direct costs \$21,194 (11/29/2017–11/17/2018)
- **Ballantyne** (PI): A Multicenter Open-Label Extension (OLE) Study to Assess the Long-Term Safety and Efficacy of Bempedoic Acid (ETC-1002) 180 mg; Esperion Therapeutics; total direct costs \$22,400 (08/07/2017–12/31/2019)
- **Ballantyne** (PI): A Randomized, Double-Blind, Placebo-Controlled, Event-Driven Trial of Quarterly Subcutaneous Canakinumab in the Prevention of Recurrent Cardiovascular Events among Stable Post-Myocardial Infarction Patients with Elevated hsCRP; Novartis Pharmaceutical Company; total direct costs \$125,877 (04/25/2011–12/31/2020)
- **Birnbaum** (PI): Prospective ARNI versus ACE Inhibitor Trial to Determine Superiority in Reducing Heart Failure Events after Myocardial infarction; Novartis Pharmaceuticals; total direct costs \$200,000 (01/01/2018–04/01/2021)
- **Bozkurt** (Site PI): Genomic Response Analysis of Heart Failure Therapy in African Americans; NIH/NHLBI; \$84,000 (6/01/16–05/30/19)

- **Bozkurt** (PI): A Multicenter, Randomized, Double-Blind, Double Dummy, Parallel Group, Active-Controlled 8-Week Study to Evaluate the Effect of Sacubitril and Valsartan (LCZ696) versus Enalapril on Changes in NT-proBNP and Safety and Tolerability of In-hospital Initiation of LCZ696 Compared to Enalapril in HFrEF Patients Who Have Been Stabilized Following Hospitalization for Acute Decompensated Heart Failure (ADHF) (PIONEER-HF); Novartis; \$126,000 (06/01/2016–12/31/2018)
- **Deswal** (Site PI): Influenza Vaccine to Effectively Stop CardioThoracic Events and Decompensated Heart Failure (INVESTED); NIH/NHLBI (U05), VA Consortium; \$45,000 (02/15/2016–01/31/2021)
- **Hamzeh** (PI): CARMELINA: A Multicenter, International, Randomized, Parallel Group, Double-Blind, Placebo-Controlled, Cardiovascular Safety and Renal Microvascular Outcome Study With Linagliptin, 5 mg Once Daily in Patients with Type 2 Diabetes Mellitus at High Vascular Risk; Boehringer Ingelheim ; total direct costs \$32,426 (10/01/2014–04/24/2018)
- **Hamzeh** (PI): A Long-Term Outcomes Study to Assess Statin Residual Risk Reduction with Epanova in High Cardiovascular Risk Patients with Hypertriglyceridemia (STRENGTH); Astra Zeneca; total direct costs \$117,000 (05/01/2015– 04/30/2020)
- **Hamzeh** (PI): Pemafibrate to Reduce Cardiovascular Outcomes by Reducing Triglycerides in Patients with Diabetes; Kowa Pharmaceuticals; total direct costs \$30,561 (05/01/2017–04/30/2022)
- **Misra** (PI): A Multicenter, Randomized, Double-Blind, Double Dummy, Parallel Group, Active-Controlled 8-Week Study to Evaluate the Effect of Sacubitril and Valsartan (LCZ696) versus Enalapril on Changes in NT-proBNP and Safety and Tolerability of In-hospital Initiation of LCZ696 Compared to Enalapril in HFrEF Patients Who Have Been Stabilized Following Hospitalization for Acute Decompensated Heart Failure (ADHF) (PIONEER-HF); Novartis; total direct costs \$297,000 (07/30/2016–12/31/2018)
- **Misra** (PI): A Multicenter, Randomized, Double-blind, Active-controlled, Parallel Group Phase 3 Study to Evaluate the Efficacy and Safety of LCZ696 Compared to Ramipril Morbidity and Mortality in High Risk Patients Following an Acute Myocardial Infarction; Novartis; total direct costs \$35,000 (9/01/17–8/31/20)
- **Misra** (PI): A Multicenter, Double-blind, Randomized, Placebo-controlled, Multicenter Study to Assess the Efficacy and Safety of Omecamtiv Mecarbil on Mortality and Morbidity in Subjects with Chronic Heart Failure with Reduced Ejection Fraction; Amgen; total direct costs \$168,362 (12/01/2017–11/30/2020)
- **Nambi** (PI): Biomarker Guided Therapies in Stage A/B Heart Failure; VA Office of Research and Development; annual direct costs \$14,189 (04/01/2014– 03/31/2019)
- **Nambi** (PI): TIMI 55/REVEAL (Randomized Evaluation of the Effects of Anacetrapib through Lipid-Modification): A Large Scale, Randomized, Placebo-Controlled Trial of the Clinical Effects of Anacetrapib among People with Established Vascular Disease; Brigham and Women's Hospital; total direct costs \$150,000 (11/01/2011–02/28/2019)

- **Nazeri** (PI): VIVO™ View Into Ventricular Onset Atrial Trial; Catheter Precision, Inc.
- **Virani** (PI): Comparative Effectiveness of Physicians versus Non-physicians for the Delivery of Outpatient Diabetes Care: Implications for Access to Care under the Affordable Care Act; American Diabetes Association; total direct costs: \$486,957 (01/01/2014–12/31/2017)
- **Virani** (PI): Determining and Targeting Reasons for Low Statin Use to Improve Guideline-Concordant Statin Therapy in High-Risk Patients; VA Merit Award; total direct costs: \$1,097,703 (07/01/2017–06/30/2021)
- **Zhang** (PI): A Multicenter, Randomized, Double-Blind, Parallel Group, Active-Controlled Study to Evaluate the Efficacy and Safety of LCZ696 Compared to Valsartan, on Morbidity and Mortality in Heart Failure Patients (NYHA Class II-IV) with Preserved Ejection Fraction; Novartis Pharmaceuticals; total direct costs \$40,550 (09/13/2013–08/31/2021)

## PUBLICATIONS & PRESS

- **Civitello**: Invited lecture, “Mechanical Circulatory Support to Manage Heart Failure,” Cardio Academic—in collaboration with American College of Cardiology and European Society of Cardiology, Mexico City, Mexico
- **Civitello**: Invited lecture, “Diagnosis of Device Thrombosis,” AATS—Mechanical Circulatory Support Symposium, Houston, TX
- **Civitello**: Invited lecture, “Timing the Transition from Short to Long Term Mechanical Circulatory Support to Transplant,” AATS—Mechanical Circulatory Support Symposium, Houston, TX
- **Civitello**: Invited lecture, “Update in Advanced Heart Failure Management,” Internal Medicine Grand Rounds Conference, Houston, TX
- **Civitello**: Invited lecture, “Utility of Counterpulsation in AMI in the Current Era,” 1st Annual Houston Shock Symposium, Houston, TX
- **Civitello**: Invited lecture, “Latest Advances in Treating Heart Failure Medically,” 17th Update in Cardiovascular Advancements, Houston, TX
- **Deswal**: Abstract reviewer, 2018 Annual Scientific Sessions, American College of Cardiology
- **Deswal**: Abstract reviewer, 2018 Annual Scientific Sessions, American Heart Association
- **Deswal**: Abstract reviewer, 2018 Annual Scientific Sessions, Heart Failure Society of America
- **Deswal**: Presentation, “Foundations of HFpEF,” national webinar, Get with the Guidelines–Heart Failure
- **Deswal**: Faculty, Study Session for Maintenance of Certification (MOC): ABIM 2017-2018 Update in Cardiovascular Disease, Annual Scientific Sessions, American College of Cardiology, Orlando, FL
- **Deswal**: Presentation, “Challenging Cases in Diabetes Management in Heart Failure,” Annual Scientific Sessions, American College of Cardiology, Orlando, FL

### *Publications & Press continued*

- **Deswal:** Co-Chair for session “Heart Failure with Preserved Ejection Fraction: Where Do We Go from Here?,” Annual Scientific Sessions, American College of Cardiology, Orlando, FL
- **Deswal:** Speaker, “The Who, What, When, and Why of Cardiogenic Shock,” Annual Scientific Sessions, American Heart Association, Anaheim, CA
- **Deswal:** Poster Professor for session “A Focus on Heart Failure Hospitalization,” Annual Scientific Sessions, American Heart Association, Anaheim, CA
- **Deswal:** Co-Chair for Session, “Pulmonary Comorbidities of HF: COPD and Sleep Apnea,” Annual Scientific Sessions, Heart Failure Society of America, Dallas, TX
- **Diez:** Faculty, National Cardiovascular Institute, Peru. INCOR (Instituto Nacional Cardiovascular). 25th Anniversary, International Symposium Interventional Cardiology. Topics: 1. Intracoronary diagnostic techniques: CFR, FFR, iFR, IVUS, OCT; 2. TAVR; 3. PCI techniques for LM disease. Lima, Peru
- **Diez:** Invited lecture, “Combined TAVR and supra-avalvular therapy,” Latest Advances in Treatment of Structural Heart Disease, ISEVS 2018, Houston, TX
- **Diez:** Invited lecture, “TAVR in Special Scenarios: CHF and Pulmonary HTN,” San Francisco University, Quito, Ecuador
- **Diez:** Invited lecture, “TAVR: Expanding Clinical Indications,” Cardio Academic in collaboration with American College of Cardiology and European Society of Cardiology, Mexico City, Mexico DF, Mexico
- **Diez:** Abstract reviewer, 2018 Annual Scientific Sessions, American College of Cardiology
- **Diez:** Abstract reviewer, 2018 Annual Scientific Sessions, Transcatheter Therapies – TCT
- **Diez:** Poster presentation, “Clinical Predictors of Coronary Slow Flow in the Absence of Epicardial CAD,” International Academy of Cardiology 2018 Annual Scientific Sessions, Boston, MA
- **Fedson:** Presentation, “New Models of Palliative Care in Heart Failure,” 2018 Annual Scientific Sessions, American College of Cardiology, Orlando, FL
- **Fedson:** Presentation, Reversing Frailty: Can Mechanical Circulatory Support Reverse the Frailty Phenotype,” 2018 Scientific Sessions, International Society of Heart and Lung Transplant, Nice
- **Fedson:** Co-Chair for Session, “Reading the Tea Leaves: Prediction in Heart Failure,” 2018 Scientific Sessions, International Society of Heart and Lung Transplant, Nice
- **Fedson:** Co-Chair, “An Amalgamation of Support in Heart Failure,” International Society of Heart and Lung Transplantation, San Diego, CA
- **Fedson:** Co-Chair, Comorbidities of HFpEF, Heart Failure Society of America, Dallas TX
- **Hamzeh:** Invited presentations, 9th Annual ECHO Boot Camp
- **Hamzeh:** Primary investigator, Ben Taub General Hospital, ISCHEMIA Trial
- **Hamzeh:** Primary investigator, Ben Taub General Hospital, CARMELINA Trial
- **Hamzeh:** Primary investigator, Ben Taub General Hospital, STRENGTH Trial
- **Hamzeh:** Primary investigator, Ben Taub General Hospital, PROMINENT Trial
- **Hamzeh:** Mentor for fellow Dr. Mostafa El-Refai on QI project Improving Anticoagulation in Patients with Atrial Fibrillation/Flutter Received Health Care Innovation Seed grant from Department of Internal Medicine
- **Jneid:** Member, Emerging Faculty, American College of Cardiology, 2017
- **Jneid:** Abstract reviewer, 2018 Annual Scientific Sessions, American Heart Association
- **Jneid:** Abstract reviewer, 2018 Annual Scientific Sessions, American College of Cardiology
- **Jneid:** Course Director, Rice University community course, “Heart Health: Prevention, Treatments, Innovations
- **Jneid:** Speaker/Moderator at AHA, ACC, ACC Oklahoma Chapter, C3, SCAI meetings
- **Lakkis:** Renewal of Chest Pain/STEMI with PCI Center Accreditation by ACC 2018–2021
- **Lakkis:** 2018 Quality Achievement Award, Gold Plus Mission Lifeline STEMI receiving Center
- **Lakkis:** 2018 Quality Achievement Award, Gold Mission Lifeline NSTEMI
- **Lakkis:** Presentation: “Controversies in Anticoagulation,” Pri-Med Southwest Annual Conference, Houston, TX
- **Misra:** Speaker and Session Moderator, “Chest Pain Evaluation in the Office Setting,” Pri-Med Southwest Annual Conference, Houston, TX
- **Nair:** Lecture, “Heart Failure with Preserved Ejection Fraction,” Baylor St Luke’s Transplant Grand Rounds, Houston, TX
- **Nair:** Lecture, “When Right is Not Right: Pulmonary Hypertension and Right Ventricular Support,” Igor F. Palacios, MD Lectureship in Cardiology, Houston, TX
- **Nair:** Lecture, “Class III Patients Should Undergo LVAD Implantation: Pro/Con Debate,” Mechanical Circulatory Support Symposium, American Association for Thoracic Surgery, Houston, TX

- **Nair:** Lecture, “Pulmonary Hypertension in Women: What the Clinician Needs to Know,” Annual Women’s Heart and Vascular Symposium, Texas Heart Institute, Houston, TX
- **Shah:** Faculty and Course Developer, “Concerns in the management of chronic heart failure: staying on the path to optimal medical therapy,” CME activity by American College of Cardiology in partnership with Haymarket Medical Education
- **Shah:** Abstract reviewer, 2018 Annual Scientific Sessions, American Heart Association
- **Shah:** Abstract reviewer, 2018 Annual Scientific Sessions, American College of Cardiology
- **Stainback:** Course Director, 9th annual Houston Echo Board Review: Boot Camp for the 2018 Echo Board
- **Stainback:** Session Speaker and Session Chair, American Society of Echocardiography Scientific Sessions, 2018
- **Virani:** Invited speaker, Global Cardiovascular Disease Prevention webinars in Indonesia, Malaysia, Vietnam, and UAE
- **Wehrens:** Invited lecture, Cardiovascular Research Theme symposium, UCLA, Los Angeles, CA
- **Wehrens:** Invited lecture, AAV Gene Therapy Symposium, Houston, TX
- **Wehrens:** Invited lectures (2), Heart Rhythm Society, Boston, MA
- **Wehrens:** Invited lecture, 37th Annual Conference of the North American Section of the International Society for Heart Research, Halifax, Canada

## EDITORIAL POSITIONS

- **Ballantyne:** Editorial Director, lipidsonline.org
- **Ballantyne:** Editorial Board, Circulation
- **Ballantyne:** Editorial Board, Clinical and Translational Science
- **Ballantyne:** Editorial Board, Current Cardiology Reviews
- **Ballantyne:** Editorial Board, Future Lipidology
- **Birnbaum:** Associate Editor, Cardiovascular Drugs and Therapy
- **Birnbaum:** Special Section Editor, “Clinical Trials,” Journal of Electrocardiology
- **Bozkurt:** Editorial Advisory Board, American Family Physician Journal
- **Bozkurt:** Senior Associate Editor, Circulation
- **Bozkurt:** Associate Editor, Circulation Heart Failure
- **Bozkurt:** Editorial Board, CurrentMD
- **Bozkurt:** Editorial Board, Journal of American College of Cardiology
- **Bozkurt:** Section Editor, “Heart Failure,” Journal of American College of Cardiology
- **Denktas:** Editorial Board, Anatolian Cardiology Journal
- **Denktas:** Editorial Board, Marmara University Journal
- **Deswal:** Guest Editor, Circulation Heart Failure
- **Deswal:** Consultant, Journal of American College of Cardiology
- **Deswal:** Editorial Board, Journal of Cardiac Failure
- **Diez:** Editorial Board, Texas Heart Institute Journal
- **Jneid:** Senior Associate Editor, Journal of the American Heart Association
- **Jneid:** Editorial Board, American Journal of Cardiology
- **Jneid:** Editorial Board, Cardiovascular System
- **Jneid:** Editorial Board, Journal of Geriatric Cardiology
- **Jneid:** Editorial Board, Journal of the American College of Cardiology
- **Virani:** Associate Editor, Innovations, ACC.org
- **Virani:** Editorial Team Member and Chair for Digital Strategy, Cardiovascular Prevention Section, ACC.org (educational web portal for the American College of Cardiology)
- **Virani:** Advisory Board, Advances in Therapy
- **Virani:** Guest Editor, Circulation
- **Virani:** Editorial Board, Circulation
- **Virani:** Section Editor, “Coronary Heart Disease,” Current Atherosclerosis Report
- **Virani:** Associate Editor, Journal of Clinical Lipidology (Section specialty: Cardiovascular Outcomes and Guidelines)
- **Virani:** Associate Editor, Global Heart (Official Journal of the World Heart Federation)
- **Wehrens:** Editorial Board, Acta Pharmacologica Sinica
- **Wehrens:** Editorial Board, Circulation Research
- **Wehrens:** Editorial Board, Heart Rhythm
- **Wehrens:** Editorial Board, JACC Basic and Translational Research
- **Wehrens:** Editorial Board, Journal of Molecular and Cellular Cardiology

---

## Section of Cardiovascular Research

---

### OUR FACULTY

#### Atherosclerosis and Vascular Medicine

Christie Mitchell Ballantyne  
Gerd Brunner  
John Foreyt  
Ron Cornelis Hoogeveen  
Peter Howard Jones  
Na Li  
Joel D. Morrisett  
Vijay Nambi  
Xinchun Pi  
Louis C. Smith  
Giles W. Vick  
Salim S. Virani  
Huaizhu Wu  
Liang Xie  
Chao-Yuh Yang

#### Cardiovascular Sciences

Mark Entman  
Robert Bryan, Jr.  
Katarzyna Cieslik  
Sandra Haudek  
Lloyd Michael  
Anilkumar Reddy  
George Taffet  
Joann Trial

#### Hypertension and Clinical Pharmacology

Addison Taylor  
James Pool  
Charlyne Wright

#### Thrombosis Research

Miguel Cruz  
Vinod Vijayan  
Trung Nguyen  
Mona Shah  
Wayne Smith  
Jun Teruya  
Perumal Thiagarajan  
Donald Yee

### AWARDS & HONORS

- **Ballantyne:** Houston Chronicle Top Doctors 2017
- **Ballantyne:** Castle Connolly Top Doctors: Southeast Texas, Castle Connolly Medical Ltd., 2017
- **Ballantyne:** Castle Connolly Top Doctors in Texas for the Speciality of Cardiovascular Disease, Castle Connolly Medical Ltd., 2017
- **Ballantyne:** Castle Connolly Top Doctors in America, Castle Connolly Medical Ltd., 2018
- **Ballantyne:** Selected by his peers for inclusion in Best Doctors in America®, Best Doctors, Inc., Aiken, South Carolina, 2018
- **Ballantyne:** 2017 Highly Cited Researcher presented by Clarivate Analytics, Web of Science, top 1% of researchers most cited
- **Entman:** International Academy of Cardiovascular Sciences Lifetime Achievement Award in Cardiovascular Science, Medicine and Surgery, August 2017
- **Li:** University of Houston Teaching Excellence Award for Group Teaching, 2017–2018
- **Virani:** Norton Rose Fulbright Faculty Excellence Award, Development of Enduring Educational Materials, Baylor College of Medicine
- **Virani:** Inducted into Best Doctors database

### PROFESSIONAL ORGANIZATIONS

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

- **Brunner:** Member, Grant Peer Review Committee, Innovative Project Award (IPA) Committee, American Heart Association
- **Jones:** Chief Science Officer, National Lipid Association
- **Virani:** Chair, Leadership Council and Council for the Prevention of Cardiovascular Disease, American College of Cardiology
- **Virani:** Chair, Research and Publications Committee, PINNACLE Registry, National Cardiovascular Data Registry, American College of Cardiology
- **Virani:** Member, LDL: Address the Risk Think Tank, American College of Cardiology
- **Virani:** Member, Guideline Tool Work Group, 2018 ACC/AHA Cholesterol Guideline, American College of Cardiology
- **Virani:** Member, Research to Practice (R2P) Initiative Work Group, National Cardiovascular Data Registry, American College of Cardiology
- **Virani:** Topic Coordinator (Prevention), Annual Scientific Session Program Committee, American College of Cardiology
- **Virani:** Chair, Heart Disease and Stroke Statistics Committee, American Heart Association
- **Virani:** Member, EPI Leadership Committee, Council on Epidemiology and Prevention, American Heart Association
- **Virani:** Board of Directors, American Society of Preventive Cardiology
- **Wu:** Member, Grant Peer Review Committee, Lipids BSc 2 Committee, American Heart Association

## RESEARCH FUNDING

- **Ballantyne** (co-PI): Profiling Cardiovascular Events and Biomarkers in the Very Old to Improve Personalized Approaches for the Prevention of Cardiac and Vascular Disease; NIH/NHLBI (R01); annual direct costs \$549,802 (09/01/2016– 08/31/2020)
- **Ballantyne** (coinvestigator): Atherosclerosis Risk in Communities (ARIC) Study–Field Centers; NIH; annual direct costs \$311,673 (11/15/2016–11/14/2021)
- **Ballantyne** (coinvestigator): Monocyte Activation and the Role of CD11c in Obesity- Linked Metabolic Syndrome; NIH/NHLBI (R01); annual direct costs \$241,769 (04/01/2015–03/31/2020)
- **Ballantyne** (coinvestigator): Diabetes and Prediabetes in Older Adults; NIH/NIDDK (R01); annual direct costs \$36,371 (01/01/2016–12/31/2020)
- **Ballantyne** (coinvestigator): miRNAs, Whole Diet, and Coronary Heart Disease; NIH/NHLBI (R56); total direct costs \$12,147 (09/01/2016–08/31/2018)
- **Ballantyne** (coinvestigator): Comparative Effectiveness of Physicians versus Non- physicians for the Delivery of Outpatient Diabetes Care: Implications for Access to Care under the Affordable Care Act; American Diabetes Association; total direct costs: \$486,957 (01/01/2014–12/31/2017)
- **Ballantyne** (PI): The Familial Hypercholesterolemia Foundation Cascade-FH Registry; Duke University; total direct costs \$20,000 (07/01/2014–06/30/2019)



### Research Funding continued

- **Ballantyne** (PI): Measurement of Galectin-3 at Visit 4 and Visit 5 for the Full ARIC Cohort; Abbott Laboratories; total direct costs \$31,500 (03/14/2014–07/31/2018)
- **Ballantyne** (PI): hsTroponin Screening at Visit 4 and Visit 5 for the Full ARIC Cohort; Abbott Laboratories; total direct costs \$371,965 (05/12/2014–05/11/2019)
- **Ballantyne** (PI): A Randomized, Double-blind, Placebo-controlled, Dose-ranging Phase 2 Study of ISIS 681257 Administered Subcutaneously to Patients with Hyperlipoproteinemia(a) and Established Cardiovascular Disease (CVD); Akcea Therapeutics; total direct costs \$172,510 (02/28/2017–02/27/2020)
- **Ballantyne** (PI): A Randomized, Double-blind, Placebo-controlled, Dose-ranging Phase 2 Study of ISIS 678354 Administered Subcutaneously to Patients with Hypertriglyceridemia and Established Cardiovascular Disease; Akcea Therapeutics; total direct costs \$206,886 (03/08/2018–03/07/2021)
- **Ballantyne** (PI): A Multicenter, Controlled, Open-Label Extension (OLE) Study to Assess the Long-Term Safety and Efficacy of AMG-145; Amgen, Inc; total direct costs \$43,965 (06/01/2013–02/08/2018)
- **Ballantyne** (PI): GAUSS-3A—Double-Blind, Randomized, Multicenter Study to Evaluate the Safety and Efficacy of AMG 145, Compared with Ezetimibe, in Hypercholesterolemic Subjects Unable to Tolerate an Effective Dose of an HMG- CoA Reductase Inhibitor due to Muscle Related Side Effects; Amgen, Inc; total direct costs \$60,085 (02/18/2014–03/21/2018)
- **Ballantyne** (PI): A Multicenter, Open-Label, Single-Arm, Extension Study to Assess Long-Term Safety of Evolocumab Therapy in Patients with Clinically Evident Cardiovascular Disease; Amgen Inc; total direct costs \$45,670 (08/17/2016– 12/31/2021)
- **Ballantyne** (PI): A Randomized, Double-Blind, Placebo-Controlled, Multicenter Long-Term Safety and Tolerability Study of ETC 1002 in Patients with Hyperlipidemia at High Cardiovascular Risk Who Are Not Adequately Controlled by Their Lipid- Modifying Therapy; Esperion Therapeutics; total direct costs \$62,963 (06/27/2016–06/29/2018)
- **Ballantyne** (PI): A Randomized, Double-Blind, Placebo-Controlled Study to Assess the Effects of Bempedoic Acid (ETC-1002) on the Occurrence of Major Cardiovascular Events in Patients with, or at High Risk for, Cardiovascular Disease Who Are Statin Intolerant; Esperion Therapeutics; total direct costs \$40,614 (05/17/2017–04/30/2020)
- **Ballantyne** (PI): A randomized, double-blind, placebo-controlled, parallel group, multicenter study to evaluate the efficacy and safety of bempedoic acid (ETC1002) 180 mg/day as add-on to ezetimibe therapy in patients with elevated LDL-C; Esperion Therapeutics; total direct costs \$29,253 (06/07/2017– 04/25/2018)
- **Ballantyne** (PI): A Randomized, Double-Blind, Parallel-group Study to Evaluate the Efficacy and Safety of Bempedoic Acid 180 mg + Ezetimibe 10 mg Fixed-dose Combination Compared to Bempedoic Acid, Ezetimibe, and Placebo Alone in Patients Treated With Maximally Tolerated Statin Therapy; Esperion Therapeutics; total direct costs \$21,194 (11/29/2017–11/17/2018)
- **Ballantyne** (PI): A Multicenter Open-Label Extension (OLE) Study to Assess the Long-Term Safety and Efficacy of Bempedoic Acid (ETC-1002) 180 mg; Esperion Therapeutics; total direct costs \$22,400 (08/07/2017–12/31/2019)
- **Ballantyne** (PI): A Randomized, Double-Blind, Placebo-Controlled, Event-Driven Trial of Quarterly Subcutaneous Canakinumab in the Prevention of Recurrent Cardiovascular Events among Stable Post-Myocardial Infarction Patients with Elevated hsCRP; Novartis Pharmaceutical Company; total direct costs \$125,877 (04/25/2011–12/31/2020)
- **Brunner** (PI): Microvascular Perfusion Assessment of Ischemic Diabetic Ulcers Using MRI; NIH/NHLBI (K25); annual direct costs \$154,958 (12/01/2014–12/31/2019)
- **Brunner** (PI): MRI Based Calf Muscle Perfusion to Assess Patients with Symptomatic PAD; NIH/NHLBI (R01); annual direct costs \$350,417 (08/01/2017–07/31/2022)
- **Brunner** (coinvestigator): Biomarker Guided Therapies in Stage A/B Heart Failure; VA Office of Research and Development; annual direct costs \$14,189 (04/01/2014– 03/31/2019)
- **Cieslik** (co-PI): Trafficking Leukocytes in the Aging Mouse Heart: in Vivo MRI and Flow Cytometry; BCM Cardiovascular Research Institute Pilot Award (09/01/2017– 06/30/2018)
- **Cieslik** (coinvestigator): Role of Blood-Borne Fibroblast Precursors in Ischemic Cardiomyopathy; NIH/NHLBI (R01); annual direct costs \$250,000 (07/01/2007– 11/30/2017)
- **Cieslik** (PI): A Spontaneous Mutation in *Nnt* Gene Promotes Cardiac Fibrosis in the Aging Heart; The Medallion Foundation; total direct costs \$50,000 (07/01/2015– 12/31/2018)
- **Cruz** (multi-PI): Microvascular Thrombosis in Systemic Inflammation; NIH/NIGMS (R01); annual direct costs \$220,000 (09/25/2014–05/31/2019)
- **Cruz** (co-PI): Role of Vimentin in Thrombosis and Stroke; NIH/NINDS (R01); annual direct costs \$381,958 (09/01/2016–05/31/2021)
- **Entman** (PI): Role of Blood-Borne Fibroblast Precursors in Ischemic Cardiomyopathy; NIH/NHLBI (R01); annual direct costs \$250,000 (07/01/2007–11/30/2017)
- **Entman** (PI): Researching the Aging Heart; The Curtis and Doris K. Hankamer Foundation; annual direct costs \$40,000 (01/01/2001–12/31/2018)

- **Foreyt** (PI): Study of Health Outcomes of Weight-Loss (Look AHEAD) Trial; NIH/NIDDK (U01); annual direct costs \$152,265 (09/01/1999–01/31/2019)
- **Foreyt** (PI): Vitamin D to Prevent Type 2 Diabetes (D2d Study); NIH/NIDDK (U01); annual direct costs \$45,309 (06/01/2013–01/31/2019)
- **Hoogveen** (coinvestigator): Atherosclerosis Risk in Communities (ARIC) Study— Field Centers; NIH/NHLBI; annual direct costs \$311,673 (11/15/2016– 11/14/2021)
- **Hoogveen** (coinvestigator): Diabetes and Pre-diabetes in Older Adults; NIH/NIDDK (R01); total direct costs \$200,000 (09/01/2016–12/31/2020)
- **Hoogveen** (coinvestigator): Endogenous Hormones and Postmenopausal Breast Cancer: Etiologic Insights and Improving Risk Prediction; NIH/NCI; annual direct costs \$76,772 (06/15/2017–03/31/2022)
- **Hoogveen** (PI): Relation of Lipoprotein(a) and Small Dense LDL-C (sdLDL-C) to Incident CHD and Stroke: the ARIC Study; Denka Seiken Co, Ltd; annual direct costs \$18,021 (10/01/2010–12/31/2017)
- **Hoogveen** (PI): Relationship of Small-Dense LDL Cholesterol (sdLDL-C) and Lp(a) with Progression of Atherosclerosis in the Study of Coronary Atheroma by Intravascular Ultrasound: Effect of Rosuvastatin versus Atorvastatin (SATURN) Trial; Denka Seiken Co, Ltd (11/01/2013–12/31/2017)
- **Hoogveen** (PI): Lipoprotein Subfractions Study: the ARIC Study; Denka Seiken Co, Ltd; annual direct costs \$56,750 (11/01/2015–08/31/2018)
- **Jones**: A Multi-center, Prospective, Randomized, Double-Blind, Placebo-Controlled , Parallel-Group Study to Evaluate the Effect of AMR101 on Cardiovascular Health and Mortality in Hypertriglyceridemic Patients with Cardiovascular Disease or at High Risk for Cardiovascular Disease: REDUCE-IT (Reduction of Cardiovascular Events with EPA Intervention Trial); Amarin Pharmaceuticals; total direct costs \$25,000 (06/01/2012–12/31/2018)
- **Li** (PI): Inflammasome Mediated Pathogenesis of Atrial Fibrillation; NIH/NHLBI (R56); annual direct costs \$250,000 (09/01/2016–08/31/2018)
- **Li** (PI): The Role of Inflammasome in the Pathogenesis of Atrial Fibrillation; NIH/NHLBI (R01); annual direct costs \$379,069 (09/01/2017–06/30/2021)
- **Li** (PI): Transcriptional Regulation of Ryanodine Receptor 2 in Atrial Fibrillation; American Heart Association Scientist Development Grant; annual direct costs \$379,069 (09/01/2017–06/30/2021)
- **Li** (coinvestigator): Novel Roles of FE2+, 2-Oxoglutarate-Dependent Dioxxygenases in Cardiac Function; NIH/NHLBI (R01); annual direct costs \$250,000 (09/01/2015– 08/31/2020)
- **Li** (coinvestigator): Pitx2 in Atrial Fibrillation; NIH/NHLBI (R01); annual direct costs \$327,304 (02/01/2018–02/28/2023)
- **Nambi** (PI): Biomarker Guided Therapies in Stage A/B Heart Failure; VA Office of Research and Development; annual direct costs \$14,189 (04/01/2014– 03/31/2019)
- **Nambi** (PI): TIMI 55/REVEAL (Randomized Evaluation of the Effects of Anacetrapib through Lipid-Modification): A Large Scale, Randomized, Placebo-Controlled Trial of the Clinical Effects of Anacetrapib among People with Established Vascular Disease; Brigham and Women's Hospital; total direct costs \$150,000 (11/01/2011–02/28/2019)
- **Pi** (PI): LRP1 and Endothelial Function; NIH/NHLBI (R01); annual direct costs \$250,000 (08/01/2013–05/31/2019)
- **Pi** (PI): Signaling in Endothelial Growth and Angiogenesis; NIH/NHLBI (R01); annual direct costs \$250,000 (12/18/2013–12/31/2018)
- **Trial** (coinvestigator): Role of Blood-Borne Fibroblast Precursors in Ischemic Cardiomyopathy; NIH/NHLBI (R01); annual direct costs \$250,000 (07/01/2007– 11/30/2017)
- **Vijayan** (PI): Serine/Threonine Phosphatases and Platelet Physiology; NIH/NHLBI (R01); annual direct costs \$250,000 (03/01/2013–02/28/2019)
- **Vijayan** (multi-PI): Microvascular Thrombosis in Systemic Inflammation; NIH/NIGMS (R01); annual direct costs \$220,000 (09/25/2014–05/31/2019)
- **Vijayan** (PI of subcontract to Baylor College of Medicine): Aspirin-PC for Chemoprevention of Colorectal Cancer; NIH/NCI (R42); annual direct costs \$86,000 (05/01/2017–04/30/2019)
- **Vijayan** (PI): PP2B Modulates RhoA Activation and Platelet Function by Targeting RhoGDI; American Heart Association; annual direct costs \$70,000 (07/01/2017– 06/30/2019)
- **Virani** (PI): Comparative Effectiveness of Physicians versus Non-physicians for the Delivery of Outpatient Diabetes Care: Implications for Access to Care under the Affordable Care Act; American Diabetes Association; total direct costs: \$486,957 (01/01/2014–12/31/2017)
- **Virani** (PI): Determining and Targeting Reasons for Low Statin Use to Improve Guideline-Concordant Statin Therapy in High-Risk Patients; VA Merit Award; total direct costs: \$1,097,703 (07/01/2017–06/30/2021)
- **Wu** (PI): Monocyte Activation and the Role of CD11c in Obesity-Linked Metabolic Syndrome; NIH/NHLBI (R01); annual direct costs \$241,769 (04/01/2015– 03/31/2020)
- **Wu** (PI): ApoCIII, Triglyceride-Rich Lipoproteins and Atherogenesis; American Heart Association; total direct costs \$140,000 (07/01/2016–06/30/2019)
- **Wu** (PI): Macrophage/Dendritic Cell Activation and Inflammation in Diet-Induced Obesity; American Diabetes Association; annual direct costs \$104,546 (01/01/2017–12/31/2019)

### Research Funding continued

- **Wu** (co-PI): Imaging Monocyte Tracking into Atherosclerosis and Adipose Tissue in Mice; BCM Cardiovascular Research Institute Pilot Award; total direct costs \$15,000 (09/01/2017–06/30/2018)
- **Xie** (PI): Novel Roles of FE2+, 2-Oxoglutarate-Dependent Dioxygenases in Cardiac Function; NIH/NHLBI (R01); annual direct costs \$250,000 (09/01/2015–08/31/2020)
- **Xie** (coinvestigator): LRP1 and Endothelial Function; NIH/NHLBI (R01); annual direct costs \$250,000 (08/01/2013–05/31/2019)
- **Xie** (coinvestigator): Signaling in Endothelial Growth and Angiogenesis; NIH/NHLBI (R01); annual direct costs \$250,000 (12/18/2013–12/31/2018)

### PUBLICATIONS & PRESS

- Power M, Rawlings A, **Ballantyne C**, et al. Association of midlife lipids with 20-year cognitive change: a cohort study. *Alzheimers Dement* 2018;14:167–177
- Fashanu O, **Ballantyne C**, **Hoogeveen R**, et al. Galectin-3 and incidence of atrial fibrillation: the Atherosclerosis Risk in Communities (ARIC) study. *Am Heart J* 2017;192:19–25
- Navar A, Wang T, **Virani S**, et al. Lipid management in contemporary community practice: Results from the Provider Assessment of Lipid Management (PALM) Registry. *Am Heart J* 2017;193:84–92
- Yong C, Liu Y, **Virani S**, et al. Association of insurance type with receipt of oral anticoagulation in insured patients with atrial fibrillation: a report from the American College of Cardiology NCDR PINNACLE registry. *Am Heart J* 2018;195:50–59
- Hess P, Kennedy K, **Virani S**, et al. Implications of the FDA approval of PCSK9 inhibitors and FOURIER results for contemporary cardiovascular practice: an NCDR Research to Practice (R2P) project. *Am Heart J* 2018;195:151–152
- Garg P, **Ballantyne C**, **Hoogeveen R**, et al. Association of lipoprotein-associated phospholipase A2 and risk of incident atrial fibrillation: findings from 3 cohorts. *Am Heart J* 2018;197:62–69
- Lowenstern A, Li S, Navar A, **Virani S**, et al. Does clinician-reported lipid guideline adoption translate to guideline-adherent care? An evaluation of the Patient and Provider Assessment of Lipid Management (PALM) registry. *Am Heart J* 2018;200:118–124
- **Ballantyne C**, Shah S, Sapre A, et al. A multiregional, randomized evaluation of the lipid-modifying efficacy and tolerability of anacetrapib added to ongoing statin therapy in patients with hypercholesterolemia or low high-density lipoprotein cholesterol. *Am J Cardiol* 2017;120:569–576
- Khan M, Kayani W, **Virani S**, et al. Meta-analysis of comparison of 5-year outcomes of percutaneous coronary intervention versus coronary artery bypass grafting in patients with unprotected left main coronary artery in the era of drug-eluting stents. *Am J Cardiol* 2017;120:1514–1520
- Fretz A, **Hoogeveen R**, **Ballantyne C**, et al. Relation of lifestyle factors and Life's Simple 7 score to temporal reduction in troponin levels measured by a high-sensitivity assay (from the Atherosclerosis Risk in Communities Study). *Am J Cardiol* 2018;121:430–436
- McCullough P, **Ballantyne C**, et al. Efficacy and safety of alirocumab in high-risk patients with clinical atherosclerotic cardiovascular disease and/or heterozygous familial hypercholesterolemia (from 5 placebo-controlled ODYSSEY trials). *Am J Cardiol* 2018;121:940–948
- Tibuakuu M, **Ballantyne C**, **Hoogeveen R**, et al. Usefulness of lipoprotein-associated phospholipase A2 activity and C-reactive protein in identifying high-risk smokers for atherosclerotic cardiovascular disease (from the Atherosclerosis Risk in Communities Study). *Am J Cardiol* 2018;121:1056–1064
- **Trial J**, **Cieslik K**. Changes in cardiac resident fibroblast physiology and phenotype in aging. *Am J Physiol Heart Circ Physiol* 2018 [Epub ahead of print]
- Vart P, Matsushita K, **Ballantyne C**, et al. SES, heart failure, and N-terminal pro-B-type natriuretic peptide: the Atherosclerosis Risk in Communities Study. *Am J Prev Med* 2018;54:229–236
- Tang W, Yao L, **Hoogeveen R**, et al. The association of biomarkers of inflammation and extracellular matrix degradation with the risk of abdominal aortic aneurysm: the ARIC Study. *Angiology* 2018 [Epub ahead of print]
- Smith M, Brown C, **Virani S**, et al. Incorporating guideline adherence and practice implementation issues into the design of decision support for beta-blocker titration for heart failure. *Appl Clin Inform* 2018;9:478–489
- Vaughan E, Moreno J, **Foreyt J**, et al. Efficacy of oral versus insulin therapy for newly diagnosed diabetes in low-income settings. *Arch Gen Intern Med* 2017;1:17–22
- Lockyer P, **Xie L**, **Pi X**, et al. LRP1-dependent BMPER signaling regulates lipopolysaccharide-induced vascular inflammation. *Arterioscler Thromb Vasc Biol* 2017;37:1524–1535
- Zhou Y, Cardenas J, **Cruz M**, et al. Quantification of von Willebrand factor cleavage by ADAMTS-13 in patients supported by left ventricular assist devices. *ASAIO J* 2017;63:849–853
- **Agarwal A**, **Saeed A**, **Sun W**, **Virani S**, **Nambi V**, **Hoogeveen R**, **Ballantyne C**, et al. The association of lipoprotein(a) with incident heart failure hospitalization: Atherosclerosis Risk in Communities study. *Atherosclerosis* 2017;262:131–137
- Puri R, **Ballantyne C**, **Hoogeveen R**, et al. Lipoprotein(a) and coronary atheroma progression rates during long-term high-intensity statin therapy: Insights from SATURN. *Atherosclerosis* 2017;263:137–144
- Amrock S, Duell P, **Ballantyne C**, et al. Health disparities among adult patients with a phenotypic diagnosis of familial hypercholesterolemia in the CASCADE-FHTM patient registry. *Atherosclerosis* 2017;267:19–26

- Garg P, Hoogeveen R, Ballantyne C, et al. Lipoprotein-associated phospholipase A2 and risk of incident peripheral arterial disease: findings from the Atherosclerosis Risk in Communities study (ARIC). *Atherosclerosis* 2017;268:12–18
- Kubota Y, Folsom A, Ballantyne C, Tang W. Lipoprotein(a) and abdominal aortic aneurysm risk: the Atherosclerosis Risk in Communities study. *Atherosclerosis* 2017;268:63–67
- Valero-Elizondo J, Hong J, Virani S, et al. Persistent socioeconomic disparities in cardiovascular risk factors and health in the United States: Medical Expenditure Panel Survey 2002-2013. *Atherosclerosis* 2018;269:301–305
- Ogunmoroti O, Michos E, Virani S, et al. Life's Simple 7 and the risk of atrial fibrillation: the Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis* 2018;275:174–181
- Ballantyne C, Banach M, Mancini G, et al. Efficacy and safety of bempedoic acid added to ezetimibe in statin-intolerant patients with hypercholesterolemia: a randomized, placebo-controlled study. *Atherosclerosis* 2018 [Epub ahead of print]
- Vijayan K. Myosin Ila signal von Willebrand factor release. *Blood* 2018;131:592–593
- White D, Hoogeveen R, El-Serag H, Jiao L, et al. A prospective study of soluble receptor for advanced glycation end products and adipokines in association with pancreatic cancer in postmenopausal women. *Cancer Med* 2018;7:2180–2191
- Saeed A, Ballantyne C. Bempedoic acid (ETC-1002): a current review. *Cardiol Clin* 2018;36:257–264
- Wang Q, Quick A, Li N, et al. Oxidized CaMKII (Ca<sup>2+</sup>/calmodulin-dependent protein kinase II) is essential for ventricular arrhythmia in a mouse model of Duchenne muscular dystrophy. *Circ Arrhythm Electrophysiol* 2018;11:e005682
- Navar A, Peterson E, Virani S, et al. Prevalence and management of symptoms associated with statin therapy in community practice: insights from the PALM (Patient and Provider Assessment of Lipid Management) Registry. *Circ Cardiovasc Qual Outcomes* 2018;11:e004249
- Virani S, Akeroyd J, Petersen L, Ballantyne C, et al. Variation in lipid-lowering therapy use in patients with low-density lipoprotein cholesterol  $\geq 190$  mg/dl: insights from the National Cardiovascular Data Registry–Practice Innovation and Clinical Excellence Registry. *Circ Cardiovasc Qual Outcomes* 2018;11:e004652
- Harrington J, Ayers C, Ballantyne C, et al. Sedentary behavior and subclinical cardiac injury: results from the Dallas Heart Study. *Circulation* 2017;136:1451–1453
- Nambi V, Deswal A, Ballantyne C. Prevention of “failure”: is it a failure of prevention? *Circulation* 2018;137:106–108
- Khera R, Hong J, Virani S, et al. Burden of catastrophic health expenditures for acute myocardial infarction and stroke among uninsured in the United States. *Circulation* 2018;137:408–410
- Florido R, Nambi V, Ballantyne C, et al. Six-year changes in physical activity and the risk of incident heart failure: the Atherosclerosis Risk in Communities (ARIC) Study. *Circulation* 2018;137:2142–2151
- Benjamin E, Virani S, Callaway C, et al. Heart disease and stroke statistics—2018 update: a report from the American Heart Association. *Circulation* 2018;137:e67–e492
- Yao C, Veleva T, Li N, et al. Enhanced cardiomyocyte NLRP3 inflammasome signaling promotes atrial fibrillation. *Circulation* 2018 [Epub ahead of print]
- Rehman H, Akeroyd J, Navaneethan S, Petersen L, Virani S, et al. Facility-level variation in diabetes and blood pressure control in patients with diabetes: Findings from the Veterans Affairs national database. *Clin Cardiol* 2017;40:1055–1060
- Ndumele C, Nambi V, Ballantyne C, et al. Weight history and subclinical myocardial damage. *Clin Chem* 2018;64:201–209
- Lo G, Ballantyne C, et al. Systolic and pulse pressure associated with incident knee osteoarthritis: data from the Osteoarthritis Initiative. *Clin Rheumatol* 2017;36:2121–2128
- Singh J, Brunner G, Morrisett J, Ballantyne C, et al. Patient-specific flow descriptors and normalized wall index in peripheral artery disease: a preliminary study. *Comput Methods Biomed Eng Imaging Vis* 2018;6:119–127
- Ahmed ST, Akeroyd J, Virani S, et al. Premature coronary heart disease in South Asians: burden and determinants. *Curr Atheroscler Rep* 2018;20:6
- Saeed A, Virani S, Jones P, Ballantyne C, Nambi V, et al. Cardiovascular disease prevention: training opportunities, the challenges, and future directions. *Curr Atheroscler Rep* 2018;20:35. [Correction: *Curr Atheroscler Rep* 2018;20:42]
- Kampankaew J, Pickett S, Nambi V. Advances in the management of dyslipidemia. *Curr Opin Cardiol* 2017;32:348–355
- LeBlanc E, Pratley R, Foreyt J, et al. Baseline characteristics of the Vitamin D and Type 2 Diabetes (D2d) Study: a contemporary prediabetes cohort that will inform diabetes prevention efforts. *Diabetes Care* 2018 [Epub ahead of print]
- Vaughan E, Johnston C, Foreyt J, et al. Integrating CHWs as part of the team leading diabetes group visits: a randomized controlled feasibility study. *Diabetes Educ* 2017;43:589–599
- Andersen A, Foreyt J, Maine M, Cohn L. Eating disorders: a 25-year perspective. *Eat Disord* 2017;25:436–447
- Lai Y, Li N, Lawrence W, et al. Myocardial remodeling and susceptibility to ventricular tachycardia in a model of chronic epilepsy. *Epilepsia Open* 2018;3:213–223
- Matsushita K, Hoogeveen R, Ballantyne C, et al. High-sensitivity cardiac troponin and natriuretic peptide with risk of lower-extremity peripheral artery disease: the Atherosclerosis Risk in Communities (ARIC) Study. *Eur Heart J* 2018 [Epub ahead of print]

### Publications & Press continued

- Angelini A, **Pi X**, **Xie L**. Dioxygen and metabolism; dangerous liaisons in cardiac function and disease. *Front Physiol* 2017 Dec 12;8:1044
- Johnston C, Moreno J, Reichek B, **Foreyt J**. Dissemination of a school-based obesity intervention for Mexican Americans: a randomized controlled trial. *Health Behavior Policy Review* 2017;4:454–466
- **Saeed A**, **Virani S**. Lipoprotein(a) and cardiovascular disease: current state and future directions for an enigmatic lipoprotein. *Front Biosci (Landmark Ed)* 2018;23:1099–1112
- Klipp RC, **Li N**, Wang Q, Word TA, Sibrian-Vazquez M, Strongin RM, Wehrens XHT, Abramson JJ. EL20, a potent antiarrhythmic compound, selectively inhibits calmodulin-deficient ryanodine receptor type 2. *Heart Rhythm* 2018;15:578–586
- Kocarnik J, Richard M, **Ballantyne C**, et al. Discovery, fine-mapping, and conditional analyses of genetic variants associated with C-reactive protein in multiethnic populations using the MetaboChip in the Population Architecture using Genomics and Epidemiology (PAGE) study. *Hum Mol Genet* 2018 [Epub ahead of print]
- Samad Z, Merchant A, Narula J, **Virani S**. “All hands on deck”: an imperative for tackling hypertension in South Asia. *Indian Heart J* 2017;69:430–431
- Arenas de Larriva A, Norby F, **Hoogeveen R**, et al. Circulating ceruloplasmin, ceruloplasmin-associated genes, and the incidence of atrial fibrillation in the Atherosclerosis Risk in Communities study. *Int J Cardiol* 2017;241:223–228
- Chelu M, **Li N**. Biomarkers (plasma trimethylamine-N-oxide) to predict atrial fibrillation: are we there yet? *Int J Cardiol* 2018 [Epub ahead of print]
- **Lakkis N**, **Virani S**, **Birnbaum Y**, **Alam M**, et al. Use of cardiopulmonary pump support during coronary artery bypass grafting in the high-risk: a meta-analysis. *Ir J Med Sci* 2018;187:369–377
- Lloyd-Jones D, Morris P, **Ballantyne C**, et al. 2017 focused update of the 2016 ACC Expert Consensus Decision Pathway on the Role of Non-Statin Therapies for LDL-Cholesterol Lowering in the Management of Atherosclerotic Cardiovascular Disease Risk: a report of the American College of Cardiology Task Force on Expert Consensus Decision Pathways. *J Am Coll Cardiol* 2017;70:1785–1822
- **Nambi V**, Bhatt D. Primary prevention of atherosclerosis: time to take a selfie? *J Am Coll Cardiol* 2017;70:2992–2994
- **Saeed A**, **Nambi V**, **Sun W**, **Virani S**, **Deswal A**, **Hoogeveen R**, **Ballantyne C**, et al. Short-term global cardiovascular disease risk prediction in older adults. *J Am Coll Cardiol* 2018;71:2527–2536
- **Navaneethan S**, **Virani S**. Omega-3 fatty acids (fish oil) supplementation and albuminuria: not a slam dunk. *J Am Heart Assoc* 2017;6:e006020
- van Capelleveen J, **Hoogeveen R**, **Ballantyne C**, **Sun W**, et al. Association of high-density lipoprotein-cholesterol versus apolipoprotein A-I with risk of coronary heart disease: the European Prospective Investigation into Cancer-Norfolk Prospective Population Study, the Atherosclerosis Risk in Communities Study, and the Women’s Health Study. *J Am Heart Assoc* 2017;6:e006636
- Aronis KN, **Hoogeveen R**, **Ballantyne C**, **Virani S**, et al. Associations of lipoprotein(a) levels with incident atrial fibrillation and ischemic stroke: the ARIC (Atherosclerosis Risk in Communities) Study. *J Am Heart Assoc* 2017;6:e007372
- Salami J, Warraich H, **Virani S**, et al. National trends in nonstatin use and expenditures among the US adult population from 2002 to 2013: Insights From Medical Expenditure Panel Survey. *J Am Heart Assoc* 2018;7:e007132
- Singh J, Valero-Elizondo J, **Virani SS**, et al. Favorable modifiable cardiovascular risk profile is associated with lower health-care costs among cancer patients: the 2012-2013 Medical Expenditure Panel Survey. *J Am Heart Assoc* 2018;7:e007874
- Basra S, **Virani S**, **Alam M**, **Nambi V**, **Denktas AE**, **Deswal A**, **Bozkurt B**, **Ballantyne C**, **Jneid H**, et al. Ticagrelor use in acute myocardial infarction: insights from the National Cardiovascular Data Registry. *J Am Heart Assoc* 2018;7:e008125
- Kayani W, **Ballantyne C**. Improving outcomes after myocardial infarction in the US population. *J Am Heart Assoc* 2018;7:e008407
- Nanna M, Navar A, **Virani SS**, et al. Statin use and adverse effects among adults >75 years of age: insights from the Patient and Provider Assessment of Lipid Management (PALM) Registry. *J Am Heart Assoc* 2018;7:e008546
- Juraschek S, Daya N, **Ballantyne CM**, et al. Orthostatic hypotension and risk of clinical and subclinical cardiovascular disease in middle-aged adults. *J Am Heart Assoc* 2018;7:e008884
- Miedema M, Dardari Z, **Virani S**, et al. Statin eligibility, coronary artery calcium, and subsequent cardiovascular events according to the 2016 United States Preventive Services Task Force (USPSTF) Statin Guidelines: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Heart Assoc* 2018;7:e008920
- Pradhan S, Khatlani T, Nairn A, **Vijayan K**. The heterotrimeric G protein Gb1 interacts with the catalytic subunit of protein phosphatase 1 and regulates G protein coupled receptor signaling in platelets. *J Biol Chem* 2017;292:13133–13142
- Suh J, **Entman M**, et al. Steroid receptor coactivator-2 (SRC-2) coordinates cardiomyocyte paracrine signaling to promote pressure overload-induced angiogenesis. *J Biol Chem* 2017;292:21643–21652
- Johnson K, Bray G, **Foreyt J**, et al. The effect of intentional weight loss on fracture risk in persons with diabetes: results from the Look AHEAD randomized clinical trial. *J Bone Miner Res* 2017;32:2278–2287

- Yao H, He G, **Vijayan K**, et al. PAI1: a novel PP1-interacting protein that mediates human plasma's anti-apoptotic effect in endothelial cells. *J Cell Mol Med* 2017;21:2068–2076
- **Perrard XY, Lian Z, Wu H**, et al. Effects of n-3 fatty acid treatment on monocyte phenotypes in humans with hypertriglyceridemia. *J Clin Lipidol* 2017;11:1361–1371
- Pokharel Y, **Jones P, Virani S**, et al. Association of low-density lipoprotein pattern with mortality after myocardial infarction: Insights from the TRIUMPH study. *J Clin Lipidol* 2017;11:1458–1470.e4
- Bucheit J, Helsing H, **Virani S**, et al. Clinical pharmacist understanding of the 2013 American College of Cardiology/ American Heart Association cholesterol guideline. *J Clin Lipidol* 2018;12:367–374.e3
- **Saeed A, Virani S, Jones P, Ballantyne C, Nambi V**. Case reports of proprotein convertase subtilisin kexin 9 (PCSK9) inhibition non-response. *J Clin Lipidol* 2018 [Epub ahead of print]
- Navaneethan S, Schold J, **Virani SS**, et al. High-density lipoprotein cholesterol and causes of death in chronic kidney disease. *J Clin Lipidol* 2018 [Epub ahead of print]
- Federspiel J, Sueta C, **Virani S**, et al. Antihypertensive adherence and outcomes among community-dwelling Medicare beneficiaries: the Atherosclerosis Risk in Communities Study. *J Eval Clin Pract* 2018;24:48–55
- Woodard L, Adepoju O, **Virani SS**, et al. Impact of patient-centered medical home implementation on diabetes control in the Veterans Health Administration. *J Gen Intern Med* 2018 [Epub ahead of print]
- Houston D, Neiberg R, **Foreyt J**, et al. Physical function following a long-term lifestyle intervention among middle aged and older adults with type 2 diabetes: the Look AHEAD Study. *J Gerontol A Biol Sci Med Sci* 2017 [Epub ahead of print]
- **Cieslik K, Reddy A, Entman M**, et al. Improved cardiovascular function in old mice after N-acetyl cysteine and glycine supplemented diet: inflammation and mitochondrial factors. *J Gerontol A Biol Sci Med Sci* 2018 [Epub ahead of print]
- Lam F, Da Q, Guillory B, **Cruz M**. The binding of recombinant vimentin to P-selectin blocks neutrophil capture and rolling on platelets and endothelium. *J Immunol* 2018;200:1718–1726
- **Cieslik K, Trial J, Entman M**. Aicar treatment reduces interstitial fibrosis in aging mice: suppression of the inflammatory fibroblast. *J Mol Cell Cardiol* 2017;111:81–85
- Vaughan E, Johnston C, **Foreyt J**, et al. Dual therapy appears superior to monotherapy for low-income individuals with newly diagnosed type 2 diabetes. *J Prim Care Community Health* 2017;8:305–311
- Brinton E, **Ballantyne C**, Guyton J, et al. Lipid effects of icosapent ethyl in women with diabetes mellitus and persistent high triglycerides on statin treatment: ANCHOR trial subanalysis. *J Womens Health (Larchmt)* 2018 [Epub ahead of print]
- Hira R, **Alam M, Jneid H, Virani S**, et al. Trends and outcomes of off-label use of transcatheter aortic valve replacement: insights from the NCDR STS/ACC TVT Registry. *JAMA Cardiol* 2017;2:846–854
- Arrieta A, Hong J, **Virani S**, et al. Updated cost-effectiveness assessments of PCSK9 inhibitors from the perspectives of the health system and private payers: insights derived from the FOURIER Trial. *JAMA Cardiol* 2017;2:1369–1374
- Schwartz G, **Ballantyne C**, Barter P, et al. Association of lipoprotein(a) with risk of recurrent ischemic events following acute coronary syndrome: analysis of the dal-Outcomes randomized clinical trial. *JAMA Cardiol* 2018;3:164–168
- Vazir A, Claggett B, **Ballantyne C**, et al. Association of resting heart rate and temporal changes in heart rate with outcomes in participants of the Atherosclerosis Risk in Communities Study. *JAMA Cardiol* 2018;3:200–206
- Nanna MG, Navar A, **Virani S**, et al. Association of patient perceptions of cardiovascular risk and beliefs on statin drugs with racial differences in statin use: insights from the Patient and Provider Assessment of Lipid Management Registry. *JAMA Cardiol* 2018 [Epub ahead of print]
- Wang Y, Jia L, **Entman M**, et al. AMP-activated protein kinase/ myocardin-related transcription factor-A signaling regulates fibroblast activation and renal fibrosis. *Kidney Int* 2018;93:81–94
- Rebholz C, **Ballantyne C, Hoogeveen R**, et al. Plasma galectin-3 levels are associated with the risk of incident chronic kidney disease. *Kidney Int* 2018;93:252–259
- Ridker P, MacFadyen J, **Ballantyne C**, et al. Effect of interleukin-1 $\beta$  inhibition with canakinumab on incident lung cancer in patients with atherosclerosis: exploratory results from a randomised, double-blind, placebo-controlled trial. *Lancet* 2017;390:1833–1842
- Ridker P, MacFadyen J, **Ballantyne C**, et al. Relationship of C-reactive protein reduction to cardiovascular event reduction following treatment with canakinumab: a secondary analysis from the CANTOS randomised controlled trial. *Lancet* 2018;391:319–328
- Zewinger S, **Virani S, Ballantyne C**, et al. Relations between lipoprotein(a) concentrations, LPA genetic variants, and the risk of mortality in patients with established coronary heart disease: a molecular and genetic association study. *Lancet Diabetes Endocrinol* 2017;5:534–543
- **Saeed A**, Kampangkaew J, **Nambi V**. Prevention of cardiovascular disease in women. *Methodist Debaque Cardiovasc J* 2017;13:185–192
- Giugliano R, Mach F, **Ballantyne C**, et al. Cognitive function in a randomized trial of evolocumab. *N Engl J Med* 2017;377:633–643
- Ridker P, Everett B, **Ballantyne C**, et al. Anti-inflammatory therapy with canakinumab for atherosclerotic disease. *N Engl J Med* 2017;377:1119–1131

### Publications & Press continued

- HPS3/TIMI55–REVEAL Collaborative Group [Bowman L, Hopewell J, **Ballantyne C**, et al.]. Effects of anacetrapib in patients with atherosclerotic vascular disease. *N Engl J Med* 2017;377:1217–1227
- Liu D, Peloso G, **Ballantyne C**, et al. Exome-wide association study of plasma lipids in >300,000 individuals. *Nat Genet* 2017;49:1758–1766
- **Li N**, Dobrev D. Targeting atrial fibrillation promoting atrial structural remodeling: is this a viable strategy in patients with heart failure? *Naunyn Schmiedebergs Arch Pharmacol* 2018;391:231–233
- Walker K, **Hoogeveen R**, **Ballantyne C**, et al. Midlife systemic inflammatory markers are associated with late-life brain volume: the ARIC study. *Neurology* 2017;89:2262–2270
- **Virani S**, **Ballantyne C**, et al. Health care resource utilization for outpatient cardiovascular disease and diabetes care delivery among advanced practice providers and physician providers in primary care. *Pop Health Manag* 2018;21:209–216
- Wu J, **Wu H**, **Ballantyne CM**, et al. Critical role of integrin CD11c in splenic dendritic cell capture of missing-self CD47 cells to induce adaptive immunity. *Proc Natl Acad Sci U S A* 2018;115:6786–6791
- Fashanu O, **Ballantyne C**, **Hoogeveen RC**, et al. Galectin-3 and venous thromboembolism incidence: the Atherosclerosis Risk in Communities (ARIC) Study. *Res Pract Thromb Haemost* 2017;1:223–230
- Walker K, **Hoogeveen R**, **Ballantyne CM**, et al. Midlife systemic inflammation, late-life white matter integrity, and cerebral small vessel disease: the Atherosclerosis Risk in Communities Study. *Stroke* 2017;48:3196–3202
- Faza N, **Virani S**, **Nambi V**, Shah T. Aberrant course of pacemaker leads: when left is left. *Tex Heart Inst J* 2018;45:52–53
- McBride C, **Nambi V**, **Ballantyne C**, **Virani S**, et al. Statin prescription rates and their facility-level variation in patients with peripheral artery disease and ischemic cerebrovascular disease: Insights from the Department of Veterans Affairs. *Vasc Med* 2018;23:232–240

### ADDITIONAL PUBLISHED ACCOMPLISHMENTS

- **Brunner**: Reviewer, Biomedical Imaging Technology Study Section–A, Center for Scientific Review, NIH, Bethesda, MD
- **Brunner**: Reviewer and “Application Chair,” ZRG1 MOSS-D (82) A NIH study Section (Musculoskeletal, Oral, Skin, Rheumatology and Rehab Sciences [R15])
- **Brunner**: Invited Keynote Speaker, “Skeletal Calf Muscle Perfusion Measurement To Assess Peripheral Arterial Disease,” 10th European Symposium Of Vascular Biomaterials Strasbourg, France

- **Brunner**: Invited Guest Speaker, Special Seminar on Magnetic Resonance Imaging in Peripheral Artery Disease, Penn State Heart and Vascular Institute, Penn State Health Milton S. Hershey Medical Center, Hershey, PA
- **Brunner**: Invited Speaker, “Inflammation, Microvascular Perfusion, and Peripheral Arterial Disease,” George and Angelina Kostas Research Center for Cardiovascular Nanomedicine, Annual International Meeting, Houston, TX
- **Brunner**: Invited Presenter, “Inflammation, Microvascular Perfusion and Peripheral Arterial Disease,” American Heart Association Reverse Site Visit as one of the 9 finalists the Clinical Project of the Strategically Focused Vascular Disease Research Network (Center Director: John P. Cooke), Dallas, TX
- **Brunner**: Invited Presenter, “Advanced Physics, Fourier Transformation Parallel Imaging, and MRI Safety,” Houston Methodist Cardiovascular Magnetic Resonance Workshop, DeBakey Institute for Cardiovascular Education & Training, Houston Methodist Hospital, Houston, TX
- **Brunner**: Didactic Lectures, Cardiovascular sciences graduate course (GS-CS-411)— Cardiovascular Physiology, and Structural Basis of Human Diseases (GS-SB- 423), BCM
- **Brunner**: Poster Judge, 3rd Annual VA Research Poster Session. Michael E. DeBakey VA Medical Center, Houston, TX
- **Cruz**: Invited lecture, “A Novel Target to Prevent Microvascular Thrombosis and Multiple Organ Dysfunction Syndrome in Sepsis,” Microbiology & Immunology, UTMB
- **Cruz**: Invited lecture, “Novel Targets to Prevent Microvascular Thrombosis in Sepsis,” CVRI seminar series, BCM
- **Li**: Ad hoc reviewer, 2018 NIH ESTA Study Section
- **Li**: Ad hoc reviewer, 2017 Farouk Jabre Research Proposal
- **Li**: Invited lecture, “The inflammasome in AF,” Heart Failure Association Winter Meeting on Translational Heart Failure Research 2018, Les Diablerets, Switzerland
- **Li**: Invited lecture, “Emerging role of the inflammasome as novel target in atrial fibrillation therapy,” American Heart Association Scientific Session 2017, Anaheim, CA
- **Li**: Invited lecture, “Role of Cardiac Inflammasome in the Pathogenesis of Atrial Fibrillation,” IMBS 2018 Research Conference and Retreat, BCM
- **Li**: Invited lecture, “Emerging Role of Cardiac Inflammasome In the Development of Atrial Fibrillation,” CVRI seminar series, BCM
- **Li**: Invited conference moderator, Ion Channels and Arrhythmias session, American Heart Association Basic Cardiovascular Sciences (BCVS) Council Scientific Sessions 2017, Portland, OR
- **Pi**: Invited lecture, “A secret life of the vascular endothelium,” Society of Chinese Bioscientists in America–Texas Chapter annual symposium

- **Pi:** Invited lecture, “The role of vascular endothelium in metabolic health,” Texas Heart Institute seminar series
- **Pi:** Course organizer, TBMM graduate program Bench to Bedside Series, Term 3: Current topics in translational cardiovascular medicine
- **Pi:** Seminar host, TBMM graduate program Bench to Bedside Series. “Ahoj CRISPR” presented by Dr. Joseph M. Miano, University of Rochester
- **Pi:** Poster judge, CVRI 2018 Symposium, BCM
- **Pi:** Grant proposal reviewer, CVRI Pilot Awards, BCM
- **Pi:** Reviewer of graduate student candidates, Molecular Physiology & Biophysics Graduate Program, BCM
- **Pi:** Member of Graduate student committee for Nirva Mumcuyan, Developmental Biology Program, BCM
- **Virani:** Invited speaker, Global Cardiovascular Disease Prevention webinars in Indonesia, Malaysia, Vietnam, and UAE
- **Wu:** Member, NIH/NIGMS SCORE Grant Review Panel
- **Wu:** Member, American Heart Association Grant Peer Review Committee, Lipids BSc Committee
- **Wu:** Member, Immunology Graduate Program Qualifying Exam Committee, BCM
- **Wu:** Member, Immunology Graduate Admission Committee, BCM
- **Wu:** English language interviewer, J1 visa candidates, BCM
- **Wu:** Poster judge, CVRI 2018 Symposium, BCM
- **Wu:** Didactic Lecture, Cardiovascular Disease and Pathology (GS-CS-412), BCM
- **Wu:** Judge, Young Investigator Award Oral Presentation, 2018 CAAC-MPVD-ATVB Symposium, San Francisco, CA
- **Foreyt:** Editorial Board, *Obesity Research and Clinical Practice*
- **Jones:** Associate Editor, *Journal of Clinical Lipidology*
- **Pi:** Guest Editor, *Oxidative Medicine and Cellular Longevity*
- **Pi:** Review Editor, *Arteriosclerosis, Thrombosis and Vascular Biology*
- **Pi:** Review Editor, *Frontiers*
- **Pi:** Review Editor, *Journal of Molecular and Cellular Cardiology*
- **Pi:** Review Editor, *Nature Communications*
- **Virani:** Associate Editor, Innovations, ACC.org
- **Virani:** Editorial Team Member and Chair for Digital Strategy, Cardiovascular Prevention Section, ACC.org (educational web portal for the American College of Cardiology)
- **Virani:** Advisory Board, *Advances in Therapy*
- **Virani:** Guest Editor, *Circulation*
- **Virani:** Editorial Board, *Circulation*
- **Virani:** Section Editor, “Coronary Heart Disease,” *Current Atherosclerosis Reports*
- **Virani:** Associate Editor, *Journal of Clinical Lipidology* (Section specialty: Cardiovascular Outcomes and Guidelines)
- **Virani:** Associate Editor, *Global Heart* (Official Journal of the World Heart Federation)
- **Wu:** Guest Associate Editor, *Frontiers in Immunology* (T cell biology in adipose tissue)
- **Wu:** Editorial Board, *Archives of Inflammation*
- **Wu:** Editorial Board, *International Journal of Hematology Research*
- **Wu:** Editorial Board, *Journal of Pediatric Endocrinology*
- **Wu:** Editorial Board, *JSM Atherosclerosis*
- **Wu:** Editorial Board, *SM Journal of Endocrinology and Metabolism*

## EDITORIAL POSITIONS

- **Ballantyne:** Editorial Director, lipidsonline.org
- **Ballantyne:** Editorial Board, *Circulation*
- **Ballantyne:** Editorial Board, *Clinical and Translational Science*
- **Ballantyne:** Editorial Board, *Current Cardiology Reviews*
- **Ballantyne:** Editorial Board, *Future Lipidology*
- **Cruz:** Editorial Board, *Thrombosis & Haemostasis: Research*
- **Foreyt:** Editorial Board, *American Journal of Health Behavior*
- **Foreyt:** Editorial Board, *American Journal of Health Promotion*
- **Foreyt:** Editorial Board, *American Journal of Lifestyle Medicine*
- **Foreyt:** Editorial Board, *Childhood Obesity*
- **Foreyt:** Editorial Board, *Nutrition Today*
- **Foreyt:** Editorial Board, *Obesity and Weight Management*

---

## Section of **Endocrinology, Diabetes and Metabolism**

---

### **OUR FACULTY**

Neeti Agarwal  
Mandeep Bajaj  
Ashok Balasubramanyam  
Jasmine Boparai  
Rui Chen  
Nancy Greta Renee Dufrane  
Ruchi Gaba  
Alan J Garber  
Nguyen Ha  
Sean Hartig  
Bryan Jiang  
Marco Marcelli  
Siripoom McKay  
Sanjay Mediwala  
Munira Mehta  
Massimo Pietropaolo  
Nalini Ram  
Susan Leanne Samson  
Rajagopal Viswanath Sekhar  
Zheng Sun  
Madhuri Vasudevan  
Dennis Villareal  
Reina Villareal  
Li Zhang

Together with the entire faculty of the Endocrinology, Diabetes & Metabolism Section, I would like to welcome everybody to our 2018 Annual Report. 2018 has been an eventful year for us, with new unique contributions in research, scholarship, clinical care and education. The section has published more than 50 papers, many of them in top journals, and has been the recipient of an unprecedented six NIH R01 grants. We have been active in national and international meetings and organizations and offer daily medical care to the Houston community at the Baylor St. Luke's Medical Center, the Michael E. DeBakey VA Medical Center, Ben Taub General Hospital, Smith Clinic and the St. Thomas Street Clinic. Our trans-institutional fellowship program with MD Anderson Cancer Center and Texas Children Hospital graduates five outstanding new endocrine fellows every year. As we are about to enter the third decade of the XXI century, our faculty is 100% committed to advance the science and clinical practice of endocrinology, diabetes & metabolism to the next level. Please enjoy and thank you for your interest.



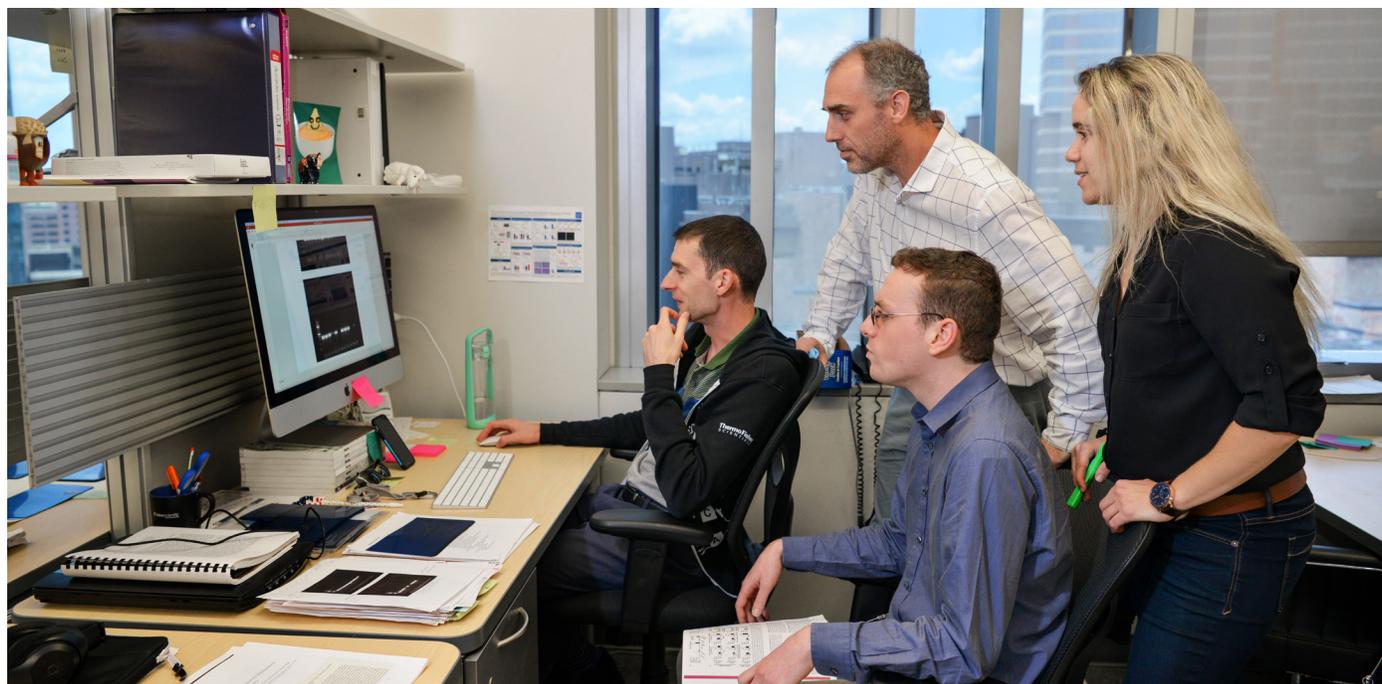
**Marco Marcelli M.D.**  
*Interim chief*  
*Section of Endocrinology, Diabetes & Metabolism*

## AWARDS & HONORS

- **Bajaj:** Prof. Sevim Büyükdeverim Lecture, Turkish Diabetes Association 54th National Diabetes Congress, Antalya, Turkey
- **Bajaj:** The Best Doctors in America, Best Doctors 2017-18
- **Bajaj:** Top Doctors, Houstonia Magazine 2017
- **Garber:** Albert Nelson Marquis Lifetime Achievement Award
- **Garber:** Best Doctors in America
- **Garber:** Master of the American College of Endocrinology
- **Garber:** Who's Who in the World
- **Hartig:** Baylor College of Medicine Nominee, ADA Pathway to Stop Diabetes Award
- **Marcelli:** Best Doctors in America
- **Ram:** Norton Rose Award in Teaching and Evaluation Spring 2018
- **Ram:** Houston's Top Physicians 2017 Castle Connolly
- **Sekhar:** Second Place, Baylor Medicine Research Symposium, April 2018. Optimal glycemic control may not be enough to prevent risk of diabetic complications – novel role of glutathione and oxidative stress
- **Sekhar:** Second Place, Baylor Medicine Research Symposium, April 2018. Reversing accelerated aging in HIV patients - metabolic and mitochondrial mechanisms
- **Sekhar:** Star Award For Excellence in Patient Care, Baylor College of Medicine, 2017
- **R.Villareal:** Research Award: "Certificate of Excellence," Director's Townhall Meeting, November 1, 2017, MEDVAMC
- **Wang:** AACR Workshop on Integrative Molecular Epidemiology, Boston, MA

## PROFESSIONAL ORGANIZATIONS

- **Garber A:** American Association of Clinical Endocrinologists
- **Garber A:** American College of Endocrinology
- **Garber A:** American Diabetes Association
- **Garber A:** American Medical Association
- **Garber A:** National Lipid Association
- **Garber A:** The Endocrine Society
- **Garber A:** AACE/ACE Committees/Task Forces
  - Board of Directors
  - Advisor to the President
  - Lipids Scientific Committee
  - Obesity Scientific Committee
  - Obesity Resource Center
  - Chair, AACE/ACE Task Force to Update the Comprehensive Diabetes Management Algorithm
  - Finance Committee
  - Diabetes Scientific Committee
  - Task Force on Consensus Conference on the Endocrinology of Aging
  - Task Force to Develop AACE's Position on the Integration of Insulin Pumps and Continuous Glucose Monitoring
  - Task Force to Update the Insulin Pump Management Consensus Statement
  - ACE Center for Transcultural Endocrinology Steering Committee
  - Nominating Committee
  - Task Force to Develop the AACE/ACE Lipids Algorithm
  - Chair, AACE Journals Task Force



### *Professional Organizations continued*

- **Hartig S:** Faculty, The Endocrine Society Career Development Workshop
- **Hartig S:** Abstract reviewer, The Endocrine Society's 100th Annual Meeting, Chicago, IL
- **Hartig S:** Ad-hoc member, NIH CSR Cellular Aspects of Diabetes and Obesity Study Section (CADO)
- **Marcelli M:** Abstract reviewer, The Endocrine Society's 100th Annual Meeting, Chicago, IL
- **Marcelli M:** The Endocrine Society
- **Marcelli M:** Elected member Southern Society of Medical Investigation
- **Pietro Paolo M:** Reviewer, Special Emphasis Panel (SEP) Study Section [ZRG1-EMNR-B (50) M]. PAR-16-121: "Early-Stage Preclinical Validation of Therapeutic Leads for Diseases of Interest to the NIDDK (R01)" 3/2017.
- **Pietro Paolo M:** Reviewer for R01 and R21 grants. Kidney, Nutrition, Obesity and Diabetes Study Section (KNOD, NIDDK); 05/2018
- **Pietro Paolo M:** Chair, Immunology, Immunogenetics, & Transplantation Planning Committee for the 2018 National Conference of the American Diabetes Association, Orlando, FL
- **Samson S:** Elected Member, Board of Directors of the American Association of Clinical Endocrinologists
- **Samson S:** Member, Board of Trustees, American College of Endocrinology
- **Samson S:** Elected member, Council of the American Program Directors of Endocrinology and Metabolism (APDEM)
- **Samson S:** Member, American Board of Internal Medicine, Self-assessment committee
- **Samson S:** Member, American Board of Internal Medicine, Item-writing Task Force
- **Samson S:** Chair, American Association of Clinical Endocrinologists National Congress Annual Program Committee Annual Congress, American Association of Clinical Endocrinologists
- **Samson S:** Vice-Chair, Endocrine University Planning Committee of the American College of Endocrinology
- **Samson S:** Member, Expert Group on Pituitary Tumors, The Pituitary Society
- **Samson S:** Member, Committee for Professional Education, The Pituitary Society
- **Villareal R:** American Society for Bone and Mineral Research
- **Villareal R:** The Endocrine Society
- **Villareal R:** American Association of Clinical Endocrinologists

- **Villareal R:** American College of Physicians
- **Villareal D:** National Institute on Aging Clinical Trials Advisory Panel (CTAP)
- **Villareal D:** Task Force on Sarcopenia and Frailty, International Conference on Sarcopenia and Frailty, Miami, FL
- **Villareal D:** Data and Safety Monitoring Board for the following NIH grant projects
  - "Maintenance of Skeletal Integrity in Frail Elders" (RO1-AG050302)
  - "Skeletal Muscle and Insulin Resistance in Aging (RO1-AG021961)"
  - Chairperson of the DSMB
  - "Combining Testosterone Therapy to Improve Function Post Hip Fracture" (RO1 AG051647)
- **Villareal R:** "Empowered with Movement to Prevent Obesity & Weight Regain" (RO1AG051624)

## RESEARCH FUNDING

### GRANTS AND CONTRACTS AWARDED

- **Balasubramanyam (PI):** Year 6: the glycemia reduction approaches in diabetes: a comparative effectiveness study (grade). U01-DK098246- 06. NIH. 9/6/2017 -7/31/2018. Total awarded \$569,332.00
- **Balasubramanyam (PI):** Year 4: adipose tissue is a significant reservoir for HIV. R33-AI116208-03 Amd 3. NIH. 9/1/2017 -8/31/2018. Total awarded \$111,012.00
- **Balasubramanyam (PI):** (Mpi) year 3: role of islet injury and autoimmunity in t2d beta cell dysfunction. R01-DK104832- 03. NIH. 9/1/2017-8/31/2018. Total grant \$353,493.00
- **Garber (PI):** 16th annual symposium on advanced metabolic disease management for endocrine fellows. 023350 NCE. Novo Nordisk, Inc. 6/1/2018-6/30/2018. Total grant \$0.00
- **Garber (PI):** 17th annual symposium on advanced diabetes management for endocrine fellows. MED-DIA-24942. Novo Nordisk, Inc. 6/21/2018-6/20/2019. Total grant \$345,000.00
- **Marcelli (PI):** Endocrine grand rounds. IME-USA-17539. Shire Human Genetic Therapies, Inc. 10/4/2017-10/3/2018. Total grant \$3,750.00
- **Marcelli (PI):** Persistent hormonal changes in veterans with gulf war illness. W81XWH-17-1-0368 (Jorge R., PI). Department of Defense. 9/2017-9/2020. Total grant \$615,171.00
- **Pietro Paolo (PI):** Year 3/4: perI - a multicenter clinical trial of allopurinol to prevent gfr loss in t1d. UC4-DK101108-01 Amd 4. Center for Medicare & Medicaid Innovation (DHHS). 8/1/2017-9/30/2017. Total grant \$5,939.00

- **Pietro Paolo** (PI): Year 15: enhancement of biomarkers for type 1 diabetes. R01-DK053456- 15A1. NIH. 7/1/2017-6/30/2018. Total grant \$668,366.00
- **Pietro Paolo** (PI): Peri-yr1(spino): a multicenter clinical trial of allopurinol to prevent gfr loss in t1d. UC4-DK101108 02. NIH. 9/1/2017-8/31/2018. Total grant \$30,669.00
- **Samson** (PI): The effect of pasireotide and combination with a glucagon-like peptide 1 receptor agonist on islet function and structure. NCE. Novartis Pharmaceuticals Corp. 12/30/2017-6/1/2020. Total grant \$0.00
- **Sekhar** (PI): Age-related mild cognitive impairment and the protective role of glutathione: implications for Alzheimer's disease. R01-AG054131 02. NIH. 6/1/2018-5/31/2019. \$477,413.00
- **Sun** (PI): Obesity-epigenome interaction in heart failure. 16GRNT30970064 Yr2. American Heart Association, Inc. 7/1/2017-6/30/2018. Total grant \$77,000.00
- **Sun** (PI): Year 2: gender-specific effects of arsenic in diabetes. R01-ES027544- 02. NIH. 3/1/2018-2/28/2019. Total grant \$433,675.00
- **Sun** (PI): De facto target of histone deacetylase inhibitors. R21-CA215591- 01. NIH. 9/1/2017-8/31/2018. Total grant \$172,369.00
- **Villareal, Dennis T.** (PI): Year 2 : does lifestyle intervention in obese older adults improve bone quality? R01-DK109950- 02. NIH. 6/1/2018-5/31/2019. Total grant \$681,558.00
- **Villareal, Dennis T.** (PI): Testosterone replacement to augment lifestyle therapy in obese older veterans. 1101 CX000906-01. VA Merit Review. 01/1/15-12/31/18. Total grant \$483,794.00
- **Villareal, Reina** (PI): Aromatase inhibitors and weight loss in severely obese men with hypogonadism. R01-HD093047- 01. NIH. 8/7/2017-5/31/2018. Total grant \$387,081.00
- **Zhang** (PI): Evaluation of monoclonal antibodies specifically targeting pathogenic insulin/mhc ii complexes for the treatment/prevention of type 1 diabetes. 2-SRA-2016-238-S-B Yr2. Juvenile Diabetes Research Foundation. 7/1/2017-6/30/2018. Total grant \$250,067.10

#### CASH AWARDS

- **Bajaj** (PI): Exscl (exenatide study of cardiovascular event lowering trial)- a randomized, placebo controlled clinical trial to evaluate cardiovascular outcomes after treatment with exenatide once weekly in patients with type 2 diabetes mellitus. Amylin Pharmaceuticals. 2018. \$3,692.31
- **Bajaj** (PI): The effect of dapagliflozin on inflammation and endothelial dysfunction. Astrazeneca. 2018. \$32,461.54
- **Samson** (PI): Amendment:a phase 3, randomized, open- label, active controlled, multicenter study to evaluate maintenance of response, safety and patient reported outcomes in acromegaly patients treated with octreotide capsules, and in patients treated with standard of care parenteral somatostatin receptor ligands who previously tolerated and demonstrated a biochemical control on both treatments. Chiasma, Inc. 2018. \$12,277.78
- **Samson** (PI): A phase 3, randomized, double-blind, placebo-controlled, multicenter study to evaluate safety and efficacy of octreotide capsules in patients who previously tolerated and demonstrated biochemical control on injectable somatostatin receptor ligands (srl) treatment protocol ooc-acm-303. Chiasma, Inc. 2018. \$8,500.00
- **Balasubramanyam** (PI): Clinical center # 3 - emotional distress in a comparative effectiveness trial of diabetes treatments (eds) -sub-study of grade. National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). 2018. \$8,378.85
- **Bajaj** (PI): Effect of liraglutide treatment on gut microbiota and adipose tissue inflammation in patients with type 2 diabetes mellitus. Novo Nordisk Pharmaceuticals. 2018. \$1,230.77
- **Samson** (PI): A phase 3, multicenter study designed to evaluate the efficacy and safety of a long acting high product (mod-4023) in adult subjects with growth hormone deficiency (protocol number: cp-4-005). Prolor Biotech, Ltd. 2018. \$4,827.09

*Total Research Funding Received \$5,105,170.90*

#### PUBLICATIONS & PRESS

- **Acevedo-Calado M, Pietro Paolo S, Ouyang Q, Pietro Paolo M**, et al. Identification of Unique Antigenic Determinants in the Amino Terminus of IA-2 (ICA512) in Childhood and Adult Autoimmune Diabetes: New Biomarker Development. *Diabetes Care* 2017;40:561-568
- Agarwal N, Iyer D, **Saha P**, et al. HIV-1 viral protein R (Vpr) induces fatty liver in mice via LXRA and PPARα dysregulation: implications for HIV-specific pathogenesis of NAFLD. *Scientific Reports* 2017;7:13362
- Aguirre L, Colleluori G, **Jiang B**, et al. Hypogonadal Men with Higher Body Mass Index have Higher Bone Density and Better Bone Quality but Reduced Muscle Density. *Calcif Tissue Int.* 2017;101:602
- Bader D, **Hartig S**, Putluri V, et al. "Mitochondrial Pyruvate Import is a Metabolic Vulnerability in Prostate Adenocarcinoma," *Nat Met* 2018. In press
- Bai S, Fu K, **Sun Z**, et al. Sox30 initiates transcription of haploid genes during late meiosis and spermiogenesis in mouse testes. *Development* 2018;145
- Batsis J and **Villareal D**. Sarcopenic obesity in older adults: aetiology, epidemiology, and treatment strategies. *Nat Rev Endocrinology* 2018;14:513
- Birnbaum Y, **Bajaj M**, Yang H, Ye Y. Combined SGLT2 and DPP4 Inhibition Reduces the Activation of the Nlrp3/ASC Inflammasome and Attenuates the Development of Diabetic Nephropathy in Mice with Type 2 Diabetes. *Diabetes Cardiovasc Drugs Ther* 2018;32:135

### Publications & Press continued

- Birnbaum Y, Ye Y, **Bajaj M**. Type 2 Diabetes and CVD: A Metabolic Overview of Recent Clinical Trials. *J Diabetes Complications* 2017;31:291
- Bloomgarden Z, Einhorn D, **Garber A**, et al. ACP diabetes guidelines attempt to turn back the clock, conflating good HbA1c with hypoglycemia. *J Diabetes* 2018 [Epub ahead of print]
- Cieslik K, **Sekhar R**, Granillo A, et al. Improved Cardiovascular Function in Old Mice After N-Acetyl Cysteine and Glycine Supplemented Diet: Inflammation and Mitochondrial Factors. *J Gerontol A Biol Sci Med Sci* 2018;73:1167
- Chen E, Tsai TH, **Saha P**, et al. PLIN2 is a Key Regulator of the Unfolded Protein Response and Endoplasmic Reticulum Stress Resolution in Pancreatic  $\beta$  Cells. *Scientific Reports*. 2017;7:40855
- Chen Y, Chen H, **Bajaj M**, et al. Alogliptazir, a dual PPAR $\alpha$  and PPAR $\gamma$  agonist, protects cardiomyocytes against the adverse effects of hyperglycemia. *Diab Vasc Dis Res* 2017;14:152
- Colleluori G, Aguirre L, **Villareal D**, et al. Hypogonadal men with type 2 diabetes mellitus have smaller bone size and lower bone turnover. *Bone* 2017;99:14
- Colleluori G, Chen, R, **Villareal D**, et al. Fat Mass Follows a U-Shaped Distribution Based on Estradiol Levels in Postmenopausal Women. *Front Endocrinol (Lausanne)* 2018;9:315
- Colleluori G, Napoli N, **Villareal D**. Effect of weight loss, exercise, or both on undercarboxylated osteocalcin and insulin secretion in frail, obese older adults. *Oxid Med Cell Longev* 2017;4807046
- Cui C, Jiang X, **Sun Z**, et al. Atrial remodeling and metabolic dysfunction in idiopathic isolated fibrotic atrial cardiomyopathy. *Int J Cardiol*. 2018;265:155
- Duerrschmid C, He Y, **Saha P**, et al. Asprosin is a centrally acting orexigenic hormone. *Nat Med* 2017; 23:1444
- Fonseca V, Bloomgarden Z, **Garber A**, et al. AACE Position Statement on the Use of Follow-On Biologics and Biosimilars for Endocrine Diseases. *Endocr Pract* 2017;23:1345
- Foster J, Wood S, **Garber A**, et al. Aspirin in Primary Prevention for Patients with Type 2 Diabetes. *Endocr Pract*. 2018 July 5. [Epub ahead of print]
- Galvan D, Badal S, **Chang BH-J**, et al. Real-time in vivo mitochondrial redox assessment confirms enhanced mitochondrial reactive oxygen species in diabetic nephropathy. *Kidney Int*. 2017;92:1282
- **Garber A**, Abrahamson M, Barzilay J, et al. Consensus Statement by the American Association of Clinical Endocrinologists and the American College of Endocrinology on the Comprehensive Type 2 Diabetes Management Algorithm – 2017 Executive Summary. *Endocr Pract*. 2017;23:207
- **Garber A**, Abrahamson M, Barzilay J, et al. American Association of Clinical Endocrinologists and the American College of Endocrinology Comprehensive Type 2 Diabetes Management Algorithm, Consensus Statement and Executive Summary - 2018. *Endocr Pract*. 2018;24:91
- Garcia J, Biller B, **Marcelli M**, et al. Validation of Macimorelin as a Diagnostic Test for Adult Growth Hormone Deficiency (AGHD): A Phase 3 Study in Comparison with the Insulin Tolerance Test (ITT). *J Clin Endocrinol Metab* 2018;103:3083
- Gong Y, Cao R, **Sun Z**, et al. Integrated omics approaches to characterize a nuclear receptor corepressor-associated histone deacetylase in mouse skeletal muscle. *Mol Cell Endocrinol*. 2018;471:22
- Grunberger G, Handelsman Y, **Garber A**, et al. American Association of Clinical Endocrinologists and the American College of Endocrinology 2018 Position Statement on Integration of Insulin Pumps and Continuous Glucose Monitoring in Patients with Diabetes Mellitus. *Endocr Pract* 2018;24:302
- Hong S, Zhou W, **Sun Z**, et al. Dissociation of muscle insulin sensitivity from exercise endurance in mice by HDAC3 depletion. *Nat Med* 2017;23:223
- James E, **Pietro Paolo M**, Mamula M. Immune recognition of  $\beta$ -Cells: Neoepitopes as key players in the loss of tolerance. *Diabetes*. 2018;67:1035
- Jellinger P, Handelsman Y, **Garber A**, et al. AACE/ACE Guidelines for Management of Dyslipidemia and Prevention of Cardiovascular Disease. *Endocr Pract*. 2017;23:479
- Jia X, Alam M, Ye Y, **Bajaj M**, Birnbaum Y. GLP-1 Receptor Agonists and Cardiovascular Disease: a Meta-Analysis of Recent Cardiac Outcome Trials. *Cardiovasc Drugs Ther* 2018;32:65
- **Jiang B**, Cowart J, Barshes N. Acute kidney injury associated with foot osteomyelitis. *Clin Med* 2017;17:376
- Jois T, Chen W, **Saha P**, et al. Deletion of hepatic carbohydrate response element binding protein (ChREBP) impairs glucose homeostasis and hepatic insulin sensitivity in mice. *Mol Metabolism* 2017; 6:1381
- Kim J, Kim J, Kwak M, **Bajaj M**. Genetic prediction of type 2 diabetes using deep neural network. *Clin Genet*. 2018;93:822
- Kim K, Choi S, **Saha P**, et al. Hepatic FXR/SHP axis modulates systemic glucose and fatty acid homeostasis in aged mice. *Hepatology*. 2017; 66:498
- Koh E, Chernis N, **Saha P**, **Hartig S**, et al. miR-30a Remodels Subcutaneous Adipose Tissue Inflammation to Improve Insulin Sensitivity in Obesity. *Diabetes* 2018; In Press
- Maldonado M, Molfese D, **Marcelli M**, **Mediwal S**, et al. The habenula as a novel link between the homeostatic and hedonic pathways in cancer-associated weight loss: a pilot study. *J Cachexia Sarc and Muscle* 2018;9:497

- Mansueto G, Armani A, **Saha P**, et al. Transcription Factor EB Controls Metabolic Flexibility during Exercise. *Cell Metabolism* 2017;25:182
- Mitre T, **Pietro Paolo M**, Khadra A. The dual role of autoimmune regulator in maintaining normal expression level of tissue-restricted autoantigen in the thymus: A modeling investigation. *Math Biosci* 2017;287:12
- Mulukutla S, Hsu J, **Balasubramanyam A**, et al. Arginine Metabolism Is Altered in Adults with A- $\beta$  + Ketosis-Prone *J Nutr Diabetes* 2018;148:185
- Pahor M, Kritchevsky S, **Villareal D**, et al. Designing Drug Trials for Frailty: ICFSR Task Force 2018. *J Frailty Aging* 2018;7:150
- Pradhan G, **Yechoor V**, **Samson S**, **Sun Y**, et al. Obestatin stimulates glucose-induced insulin secretion through ghrelin receptor GHS-R. *Nature Scientific Reports* 2017;7:929
- Poleshko A, Shah P, **Sun Z**, et al. Genome-Nuclear Lamina Interactions Regulate Cardiac Stem Cell Lineage Restriction. *Cell* 2017;171:573
- Racette S, Rochon J, **Villareal D**, et al. Effects of two years of calorie restriction on aerobic capacity and muscle strength. *Med Sci Sports Exerc* 2017;49:2240
- Swift L, Love J, Harris C, **Chang BH-J**, Jerome WG. 2017. Microsomal triglyceride transfer protein contributes to lipid droplet maturation in adipocytes. *PLoS One*. 12:e0181046
- Szafran T, **Marcelli M**, Mancini M. High content screening of a library of 145 FDA approved drugs for the identification of novel inhibitors of AR and AR variant-7. *The Prostate* 2017;77:82
- Tsai TH, Chen E, **Saha P**, et al. The constitutive lipid droplet protein PLIN2 regulates autophagy in liver. *Autophagy*. 2017; 13:1130
- **Villareal D**, Waters D, Qualls C. Exercise type in dieting obese older adults. *N Engl J Med* 2017;377:599
- Wei Q, Lee JH, **Bajaj M**, et al. Adiponectin is required for maintaining normal body temperature in a cold environment. *BMC Physiol* 2017;17:8
- Xiong M, Zhu Z, **Sun Z**, et al. Conditional ablation of Raptor in the male germ line causes infertility due to meiotic arrest and impaired inactivation of sex chromosomes. *FASEB J*. 2017;31:3934
- Ye Y, **Bajaj M**, Yang H, et al. SGLT-2 Inhibition with Dapagliflozin Reduces the Activation of the Nlrp3/ASC Inflammasome and Attenuates the Development of Diabetic Cardiomyopathy in Mice with Type 2 Diabetes. Further Augmentation of the Effects with Saxagliptin, a DPP4 Inhibitor. *Cardiovasc Drugs Ther* 2017;31:119
- Zhang L, **Cox R**, **Hartig S**, **Pietro Paolo M**, et al. Chimeric antigen receptor (CAR) T cells targeting a pathogenic MHC class II:peptide complex modulate the progression of autoimmune diabetes. *J Autoimmun* In press

- Zhang Y, Papazyan R, **Sun Z**, et al. The hepatic circadian clock fine-tunes the lipogenic response to feeding through ROR $\alpha$ / $\gamma$ . *Genes Dev* 2017;31:1202
- Zhao N, Cao J, **Hartig S**, et al. Pharmacological Targeting of MYC-Regulated IRE1 $\alpha$ /XBP1 Pathway Suppresses MYC-Driven Breast Cancer *J Clin Invest* 2018;128:1283

## EDITORIAL POSITIONS

- **Bajaj**: Editorial Board, The Journal of Clinical Endocrinology and Metabolism
- **Bajaj**: Associate Editor, British Medical Journal Open Diabetes Research and Care
- **Garber**: Editor, Endocrine Today
- **Garber**: Editor (Emeritus), Diabetes, Obesity and Metabolism
- **Marcelli**: Associate Editor: Journal of Investigative Medicine
- **Pietro Paolo**: Associate Editor, Diabetes
- **Pietro Paolo**: Associate Editor, PLoS ONE
- **Pietro Paolo**: Editorial Board, American Journal of Clinical and Experimental Immunology
- **Pietro Paolo**: Editorial Board, Autoimmunity Highlights
- **Sun**: Editor, Research Topic: Type 2 Diabetes Management: A Focus on Metabolic Defects. Frontiers in Physiology. 2018
- **Villareal R**: Associate Editor, Frontiers in Endocrinology
- **Villareal D**: Associate Editor, Journal of Nutrition in Geriatrics and Gerontology
- **Villareal D**: Academic Editor, Current Developments in Nutrition
- **Villareal D**: Associate Editor, Journal of Gerontology – Medical Science
- **Villareal D**: Section Editor: Obesity and Aging, Journal of Nutrition in Health and Aging

---

## Section of **Epidemiology and Population Sciences**

---

### **OUR FACULTY**

#### **Epidemiology & Population Science**

Melissa Bondy  
Yanhong Li  
Margaret Spitz  
Aaron Thrift

#### **Institute for Clinical and Translational Research**

Chris Amos  
Younghun Han  
Yafang Li

#### **Postdoctoral Fellows**

Jeremy Schraw  
Jing Dong  
Zhensheng Wang  
Quinn Ostrom

### **AWARDS & HONORS**

- **Amos:** Selzman Endowed Chair of Medicine, Baylor College of Medicine
- **Amos:** Keynote Speaker, First US-Sino International Conference on Lung Cancer
- **Amos:** International Speaker, Integrative Analysis of Lung Cancer Risk and Etiology, Zhengzhou and Henan Hospital, China
- **Bondy:** Visiting Scholar Award, National Cancer Institute
- **Dong:** AACR Workshop on Integrative Molecular Epidemiology, Boston, MA
- **Ostrom:** AACR Workshop on Integrative Molecular Epidemiology, Boston, MA
- **Ostrom:** Doctoral Excellence Award in Epidemiology and Biostatistics, Case Western Reserve University School of Medicine
- **Ostrom:** Junior Investigator Travel Award, Brain Tumor Epidemiology Consortium
- **Schraw:** 2nd Place Oral Abstract Presentation, Texas Children's Cancer and Hematology Centers Annual Symposium
- **Schraw:** Junior Investigator Award, Brain Tumor Epidemiology Consortium
- **Schraw:** Selected Participant, American Society of Preventative Oncology New Investigator Workshop
- **Wang:** AACR Workshop on Integrative Molecular Epidemiology, Boston, MA

## PROFESSIONAL ORGANIZATIONS

- **Bondy:** AACR, MEG Steering Committee, Chairperson
- **Bondy:** American College of Epidemiology, Board of Directors
- **Bondy:** American Society of Prevention Oncology (ASPO) Program Committee
- **Bondy:** Central Brain Tumor Registry of the United States, Board Member
- **Bondy:** Duke Cancer Institute External Scientific Advisory Committee
- **Bondy:** Kimmel Cancer Center External Scientific Advisory Committee
- **Bondy:** Masonic Cancer Center External Advisory Board
- **Bondy:** NCI Board of Scientific Advisors, Subcommittee on Global Cancer Research
- **Bondy:** OSUCCC IRP Population Science Review Committee
- **Bondy:** Perlmutter Cancer Center External Advisory Board
- **Bondy:** St. Jude Children's Hospital, Memphis, TN, External Advisor
- **Bondy:** Susan G. Komen for the Cure, Scientific Advisory Board, Houston Medical Advisory Council, & Strategic Mission Committee
- **Bondy:** University of Minnesota Cancer Center, External Scientific Advisory Board,
- **Bondy:** University of Washington EDGE Center Scientific Advisory Board
- **Liu:** American Society of Human Genetics 2017 Essay Contest, Program Reviewer
- **Ostrom:** North American Association of Central Cancer Registries, Data Assessment Working Group
- **Spitz:** MD Anderson Cancer Center, Prostate Cancer SPORE, External Advisory Committee
- **Spitz:** National Cancer Advisory Board, Subcommittee on Population Science, Epidemiology, and Disparities
- **Spitz:** Northwestern University, T32 for Behavioral and Psychosocial Research Training in Cancer Prevention and Control, External Advisory Board
- **Spitz:** Tisch Cancer Center, Mount Sinai Medical Center, External Advisory Committee
- **Spitz:** University of Chicago Comprehensive Cancer Center, External Advisory Committee
- **Spitz:** University of Kentucky Markey Cancer Center, External Advisory Committee
- **Spitz:** Yale Cancer Center, Lung Cancer SPORE, External Advisory Board
- **Thrift:** Barrett's and Esophageal Adenocarcinoma Consortium (BEACON), Steering Committee



## RESEARCH FUNDING

- **Amos** (PI): Data Coordinating and Management Group for Molecular Characterization of Screen Detected Lesions Network, Supplement 1 Molecular Studies and Single Cell Sequencing; NIH/NCI; \$432,000 annually (9/1/2018 - 8/31/2020)
- **Amos** (PI): Data Coordinating and Management Group for Molecular Characterization of Screen Detected Lesions Network; NIH/NCI; \$300,000 annually (9/1/2015 - 8/31/2020)
- **Amos** (PI): Genome-Wide Association Study (GWAS) in Hepatocellular Carcinoma (HCC); NIH/NCI; \$473,538 annually (04/01/2015 - 06/30/2019)
- **Amos** (PI): Integrative Analysis of Lung Cancer Etiology and Risk; NCI; \$473,538 annually (9/1/17 - 5/30/22)
- **Amos** (Subcontract PI): Genetic Susceptibility and Risk Model for Pancreatic Cancer; NIH/NCI; \$13,193 annually (7/1/14 - 6/30/18)
- **Bondy** (Coinvestigator): Baylor College of Medicine Cancer Center; NIH/NCI; \$2,020,895 annually (07/01/2007 - 06/30/2020)
- **Bondy** (Coinvestigator): Center for Translational Environmental Health Research; NIH/NIEHS; \$84,000 (04/01/2013 - 12/31/2018)
- **Bondy** (Coinvestigator): Toxicity Profiling: Creating Novel Paradigms to Personalize Cancer Treatment; 06/07/13 - 03/31/18
- **Bondy** (PI): Breast Cancer Risk Assessment Using Copy Number Variation; Susan G. Komen Foundation; \$160,000 annually (09/01/2011 - 08/31/2017)
- **Bondy** (PI): Risk Prediction for ER Negative Breast Cancer Recurrence; NIH/NCI; \$2,977,314 (01/01/2013 - 12/31/2017)
- **Liu** (PI): Lung Cancer Prediction Models Incorporating Exome Data from Extreme Phenotypes; NIH/NCI; (08/2014 - 08/2019)
- **Spitz** (Coinvestigator): Incorporating Biomarkers to Improve Lung Cancer Risk Prediction; NIH; \$21,647 (12/01/2015 - 11/30/2018)
- **Spitz** (Coinvestigator): Integrative Molecular Epidemiology Workshop; AACR; \$249,213 annually (09/01/2013 - 08/31/2018)
- **Spitz** (PI): Cancer Prevention Post-Graduate Training Program in Integrative Epidemiology; Cancer Prevention and Research Institute of Texas; \$300,401 (03/01/2016 - 02/28/2021)
- **Thrift** (Coinvestigator): DCC HHS Smoking Cessation Treatment Program; NCI P30 Cancer Center Administrative Supplement for Tobacco Use Treatment in Cancer Patients; total direct costs \$315,457 (07/01/2017 - 06/30/2019)
- **Thrift** (Coinvestigator): Prevalence and predictors of nonalcoholic fatty liver disease (NAFLD) in Veterans; VA CSR&D Research Awards; total direct costs \$600,000 (10/01/2017 - 09/30/2021)
- **Thrift** (PI): Admixture mapping of cirrhosis and Hepatocellular carcinoma in African Americans; Dan L. Duncan Comprehensive Cancer Center Pilot Grant; total direct costs \$50,000 (06/01/2018 - 05/30/2019)

- **Thrift** (PI): Application of natural language processing to identify dysplasia among a national cohort of veterans with Barrett's esophagus; NIH; total direct costs \$34,821 (02/01/2017 - 01/31/2018)
- **Thrift** (PI): PREVENT HCC – through Screening, Vaccination and Treatment of Viral Hepatitis; Cancer Prevention and Research Institute of Texas (CPRIT) Prevention Program; total direct costs \$1,492,052 (08/31/2016 - 08/30/2019)
- **Thrift** (PI): Risk and Predictors of Esophageal and Esophagogastric Junction Adenocarcinomas in HIV-infected Individuals; NAID/NIH/DHHS; total direct costs \$299,992 (06/01/2016 - 05/31/2018)

## PUBLICATIONS & PRESS

- Musolf A, Simpson C, **Amos C**, et al. Parametric Linkage Analysis Identifies Five Novel Genome-wide Significant Loci for Familial Lung Cancer. *Human Heredity* 2017; 82(102): 64-74
- Anderson J, Butterly L, **Amos C**, et al. Risk of Metachronous High-risk Adenomas and Large Serrated Polyps in Individuals With Serrated Polyps on Index Colonoscopy: Data from the New Hampshire Colonoscopy Registry. *Gastroenterology*. 2017 Sep 16. S0016-5085(17)36151-6
- Bailey M, Tokheim C, **Cancer Genome Atlas Research Network**, et al. Comprehensive Characterization of Cancer Driver Genes and Mutations. *Cell*. 2018 Apr 5;173(2):371-385.e18
- Balakrishnan M, El-Serag H, **Thrift A**, et al. Obesity and risk of non-alcoholic fatty liver disease: a comparison of bioelectrical impedance analysis and conventionally-derived anthropometric measures. *Clin Gastroenterol Hepatol* 2017;15(12):1965-1967
- Benz L, Wrensch M, **Bondy M**, et al. Quality of life after surgery for intracranial meningioma. *Cancer*. 2018 Jan 1;124(1):161-166
- Berger A, Korkut A, **Cancer Genome Atlas Research Network**, et al. A Comprehensive Pan-Cancer Molecular Study of Gynecologic and Breast Cancers. *Cancer Cell*. 2018 Apr 9;33(4):690-705.e9
- Berntsson S, Merrell R, **Bondy M**, et al. Glioma-related seizures in relation to histopathological subtypes: a report from the glioma international case-control study. *J Neurol*. 2018 Jun; 265(6):1432-1442
- Buas M, He Q, **Thrift A**, et al. Germline variation in inflammation-related pathways and risk of Barrett's oesophagus and oesophageal adenocarcinoma. *Gut* 2017;66(10):1739-1747
- Byun J, Han Y, **Amos C**, et al. Ancestry inference using principal component analysis and spatial analysis: a distance-based analysis to account for population substructure. *BMC Genomics*. 2017 Oct 16;18(1):789
- Byun J, Schwartz A, **Amos C**, et al. Genome- Wide Association Study of Familial Lung Cancer. *Carcinogenesis*. 2018 Jun 19

- Campbell J, Yau C, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Genomic, Pathway Network, and Immunologic Features Distinguishing Squamous Carcinomas. *Cell Rep*. 2018 Apr 3;23(1):194-212.e6
- Chen H, Li C, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. A Pan-Cancer Analysis of Enhancer Expression in Nearly 9000 Patient Samples. I. 2018 Apr 5;173(2):386-399.e12
- Chiu H, Somvanshi S, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Pan-Cancer Analysis of lncRNA Regulation Supports Their Targeting of Cancer Genes in Each Tumor Context. *Cell Rep*. 2018 Apr 3;23(1):297-312.e12
- Cotton C, Haidry R, **Thrift P**, Lovat L, Shaheen N. Development of evidence based surveillance intervals following radiofrequency ablation of Barrett's esophagus. *Gastroenterology*. 12 April 2018. [Epub ahead of print]
- Qian D, **Li Y**, **Amos C**, et al. Genome-wide imaging association study implicates functional activity and glial homeostasis of the caudate in smoking addiction. *BMC Genomics* 2017;18:740
- **Jacobs D**, **Liu Y\***, et al. Germline polymorphisms in myeloid-associated genes are not associated with glioma survival. *J Neuro-Oncol*, 2017
- Dimitrakopoulou V, Tsilidis K, **GAME-ON Network (CORECT, DRIVE, ELLIPSE, FOCI-OCAC, TRICL- ILCCO)<sub>C</sub>**, et al. Circulating vitamin D concentration and risk of seven cancers: Mendelian randomisation study. *BMJ*. 2017 Oct 31;359:j4761
- Ding L, Bailey M, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Perspective on Oncogenic Processes at the End of the Beginning of Cancer Genomics. *Cell*. 2018 Apr 5;173(2):305-320.e10
- Disney-Hogg L, **Ostrom Q**, **Bondy M**, et al. Impact of atopy on risk of glioma: a Mendelian randomisation study. *BMC Med*. 2018 Mar 15;16(1):42
- Disney-Hogg L, **Ostrom Q**, **Bondy M**, et al. Influence of obesity-related risk factors in the aetiology of glioma. *Br J Cancer*. 2018 Apr;118(7):1020-1027
- Dixon-Suen S, Nagle C, **Thrift A**, et al. Adult height is associated with increased risk of ovarian cancer: a Mendelian randomisation study. *Br J Cancer* 2018;118(8):1123-1129
- **Dong J\***, **Thrift A**, et al. Interactions between genetic variants and environmental factors affect risk of esophageal adenocarcinoma and Barrett's esophagus. *Clin Gastroenterol Hepatol*. 15 Mar 2018 [Epub ahead of print]
- **Dong J**, Buas M, **Thrift A**, et al. Determining Risk of Barrett's Esophagus and Esophageal Adenocarcinoma Based on Epidemiologic Factors and Genetic Variants. *Gastroenterology* 2018 Apr;154(5):1273-1281
- **Dong J**, Cheng Y, Zhu M, et al. Fine Mapping of Chromosome 5p15.33 Identifies Novel Lung Cancer Susceptibility Loci in Han Chinese. *Int J Cancer*. 2017 Aug 1;141(3):447-456
- **Dong J**, Gu X, El-Serag HB, **Thrift A**. Underuse of Surgery Accounts for Racial Disparities in Esophageal Cancer Survival Times: A Matched Cohort Study. *Clin Gastroenterol Hepatol*. 2018 Jul 20. [Epub ahead of print]
- **Dong J**, Pinto J, Guo X, et al. The prevalence of anosmia and associated factors among U.S. black and white older adults. *J Gerontol A Biol Sci Med Sci*. 2017 Aug 1;72(8):1080-1086
- **Dong J**, **Thrift AP**. Alcohol, smoking and risk of oesophago-gastric cancer. *Best Pract Res Clin Gastroenterol* 2017;31(5):509-517
- **Dong J**, Wong L, Mims M. Mitochondrial inheritance and cancer. *Transl Res*. 2018 Jun 25. [Epub ahead of print]
- **Dong J**, Wyss A, Yang J, et al. Genome-Wide Association Analysis of the Sense of Smell in U.S. Older Adults: Identification of Novel Risk Loci in African-Americans and European-Americans. *Mol Neurobiol*. 2017 Dec;54(10):8021-8032
- Mostovenko E, **Liu Y**, **Bondy M**, et al. A Combined Proteomic-Molecular Epidemiology Approach to Identify Precision Targets in Brain Cancer. *ACS Chemical Neuroscience* 2017; PMID: 28657708
- **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Scalable Open Science Approach for Mutation Calling of Tumor Exomes Using Multiple Genomic Pipelines. *Cell Syst*. 2018 Mar 28;6(3):271-281.e7
- Fang S, Wang Y, **Amos C**, et al. Association between Body Mass Index, C-Reactive Protein Levels, and Melanoma Patient Outcomes. *J Invest Dermatol*. 2017 Aug;137(8):1792-1795
- **Han Y**, **Amos C**, et al. Novel genetic variants in the P38MAPK pathway gene ZAK and susceptibility to lung cancer. *Mol Carcinog*. 2018 Feb;57(2):216-224
- **Transdisciplinary Research in Cancer of the Lung (TRICL)<sub>C</sub>**, et al. Investigating the genetic relationship between Alzheimer's disease and cancer using GWAS summary statistics. *Hum Genet*. 2017 Aug 5
- Friedrichs S, Manitz J, **Amos C**, et al. Pathway-Based Kernel Boosting for the Analysis of Genome-Wide Association Studies. *Comput Math Methods Med*. 2017;2017:6742763
- Frost HR, **Amos CI**. Gene set selection via LASSO penalized regression (SLPR). *Nucleic Acids Res*. 2017 Jul 7;45(12):e114
- **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Driver Fusions and Their Implications in the Development and Treatment of Human Cancers. *Cell Rep*. 2018 Apr 3;23(1):227-238.e3
- Gauderman W, Mukherjee B, **Amos C**, et al. Update on the State of the Science for Analytical Methods for Gene-Environment Interactions. *Am J Epidemiol*. 2017 Oct 1;186(7):762-770
- Ge Z, Leighton J, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Integrated Genomic Analysis of the Ubiquitin Pathway across Cancer Types. *Cell Rep*. 2018 Apr 3;23(1):213-226.e3

### Publication & Press continued

- Gittleman H, Boscia A, **Ostrom Q**, et al. Survivorship in Adults with Malignant Brain and other Central Nervous System Tumor from 2000-2014. *Neuro Oncol*. 2018 May 29. [Epub ahead of print]
- Gorlova O, Li Y, **Amos C**, et al. Gene-level association analysis of systemic sclerosis: A comparison of African-Americans and White populations. *PLoS One*. 2018 Jan 2;13(1):e0189498
- Gu F, Zhang H, **Amos C**, et al. Inherited variation in circadian rhythm genes and risks of prostate cancer and three other cancer sites in combined cancer consortia. *Int J Cancer*. 2017 Nov 1;141(9):1794-1802
- Hancock D, Guo Y, **Amos C**, et al. Genome-wide association study across European and African American ancestries identifies a SNP in DNMT3B contributing to nicotine dependence. *Mol Psychiatry*. 2017 Oct 3
- Hernaez R, **Thrift A**. High negative predictive value, low prevalence and spectrum effect: Caution in the interpretation. *Clin Gastroenterol Hepatol* 2017;15(9):1355-1358
- Hoadley K, Yau C, **Cancer Genome Atlas Network<sub>A</sub>**, et al. Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer. *Cell*. 2018 Apr 5;173(2):291-304.e6
- Huang K, Mashl R, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Pathogenic Germline Variants in 10,389 Adult Cancers. *Cell*. 2018 Apr 5;173(2):355-370.e14
- Hur C, Zhan T, **Thrift A**, et al. Lorenz curves and gini coefficient analyses indicate inefficiencies in esophageal adenocarcinoma screening. *Clin Gastroenterol Hepatol*. 2018 May 9. [Epub ahead of print]
- **Jacobs D, Liu Y, Bondy M**, et al. Germline polymorphisms in myeloid-associated genes are not associated with survival in glioma patients. *J Neurooncol*. 2018 Jan;136(1):33-39
- Jayasinghe R, Cao S, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Systematic Analysis of Splice-Site-Creating Mutations in Cancer. *Cell Rep*. 2018 Apr 3;23(1):270-281.e3
- Ji X, Niu X, **Amos C**, et al. A Phenome-Wide Association Study Uncovers a Role for Autoimmunity in the Development of Chronic Obstructive Pulmonary Disease. *Am J Respir Cell Mol Biol*. 2018 Jun;58(6):777-779
- Kaur M, Singapura P, **Thrift AP**, et al. Factors that contribute to indeterminate results from the QuantiFERON-TB Gold in-tube test in patients with inflammatory bowel disease. *Clin Gastroenterol Hepatol*. 23 Nov 2017. [Epub ahead of print]
- Khanna V, Achey R, **Ostrom Q**, et al. Incidence and Survival Trends for Medulloblastomas in the United States from 2001 to 2013. *J Neurooncol*. 2017 Aug 21. [Epub ahead of print]
- Kinnersley B, Houlston R, **Bondy ML**. Genome-Wide Association Studies in Glioma. *Cancer Epidemiol Biomarkers Prev*. 2018 Apr;27(4):418-428
- Knijnenburg T, Wang L, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Genomic and Molecular Landscape of DNA Damage Repair Deficiency across The Cancer Genome Atlas. *Cell Rep*. 2018 Apr 3;23(1):239-254.e6
- Kruchko C, **Ostrom Q**, Gittleman H, Barnholtz-Sloan J. The CBTRUS Story: Providing Accurate Population-based Statistics on Brain and Other Central Nervous System Tumors for Everyone. *Neuro Oncol*. 2018 Feb;20(3):295-298
- Kumar R, Juengst S, **Wang Z**, et al. Epidemiology of Comorbid Conditions Among Adults 50 Years and Older With Traumatic Brain Injury. *J Head Trauma Rehabil* 2017. IF: 3.406
- Kumar R, **Wang Z** (co-first author with Kumar RG), Kesinger MR, et al. Probabilistic Matching of Deidentified Data From a Trauma Registry and a Traumatic Brain Injury Model System Center: A Follow-up Validation Study. *Am J Phys Med Rehab* 2018;97: 236-41
- Kunzmann A, **Thrift A**, Cardwell C, et al. Model for identifying individuals at risk for esophageal adenocarcinoma. *Clin Gastroenterol Hepatol*. 17 Mar 2018 [Epub ahead of print]
- Li B, Wang Y, **Amos C**, et al. Genetic variants in RORA and DNMT1 associated with cutaneous melanoma survival. *Int J Cancer*. 2018 Jan 4. doi: 10.1002/ijc.31243
- Li H, Wang Y, **Amos C**, et al. Genetic variants of PDGF signaling pathway genes predict cutaneous melanoma survival. *Oncotarget*. 2017 Aug 14;8(43):74595-74606
- Liao P, **Ostrom Q**, Stetson L, Barnholtz-Sloan J. Models of Epigenetic Age Capture Patterns of DNA Methylation in Glioma Associated with Molecular Subtype, Survival, and Recurrence. *Neuro Oncol*. 2018 Feb 8. [Epub ahead of print]
- Liu J, Lichtenberg T, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. An Integrated TCGA Pan-Cancer Clinical Data Resource to Drive High-Quality Survival Outcome Analytics. *Cell*. 2018 Apr 5;173(2):400-416.e11
- **Liu Y, Amos C, Spitz M**, et al. Rare Variants in Known Susceptibility Loci and Their Contribution to Risk of Lung Cancer. *J Thorac Oncol*. 2018 Jul 4. pii: S1556-0864(18)30767-6
- Liu Y, Sethi N, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Comparative Molecular Analysis of Gastrointestinal Adenocarcinomas. *Cancer Cell*. 2018 Apr 9;33(4):721-735.e8
- Lohavanichbutr P, Sakoda L, **Amos C**, et al. Common TDP1 polymorphisms in relation to survival among small cell lung cancer patients: a multicenter study from the International Lung Cancer Consortium. *Clin Cancer Res*. 2017 Oct 3. pii: clincanres.1401.2017
- Malta T, Sokolov A, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Machine Learning Identifies Stemness Features Associated with Oncogenic Dedifferentiation. *Cell*. 2018 Apr 5;173(2):338-354.e15
- McAllister K, Mechanic LE, **Amos C**, et al. Current Challenges and New Opportunities for Gene-Environment Interaction Studies of Complex Diseases. *Am J Epidemiol*. 2017 Oct 1;186(7):753-761

- McKay J, **Spitz M, Amos C**, et al. Large-scale association analysis identifies new lung cancer susceptibility loci and heterogeneity in genetic susceptibility across histological subtypes. *Nat Genet.* 2017 Jul;49(7):1126-1132
- McNamara C, Abbott S, **Bondy M**, et al. Tubal ligation and ovarian cancer risk in African American women. *Cancer Causes Control.* 2017 Oct;28(10):1033-1041
- Mechanic L, Lindström S, **Amos C**, et al. Up For A Challenge (U4C): Stimulating innovation in breast cancer genetic epidemiology. *PLoS Genet.* 2017 Sep 28;13(9):e1006945
- Mendez J, **Ostrom Q**, Gittleman H, et al. The Elderly Left Behind - Changes in Survival Trends of Primary Central Nervous System Lymphoma Over The Past Four Decades. *Neuro Oncol.* 2017 Oct 3. [Epub ahead of print]
- Mills A, Peres L, **Bondy ML**, et al. Targetable Immune Regulatory Molecule Expression in High-Grade Serous Ovarian Carcinomas in African American Women: A Study of PD-L1 and IDO in 112 Cases From the African American Cancer Epidemiology Study (AACES). *Int J Gynecol Pathol.* 2018 Feb 26. [Epub ahead of print]
- Nguyen T, Khan A, Liu Y, El-Serag H, **Thrift A**. The association between statin use after diagnosis and mortality risk in patients with esophageal cancer: A retrospective cohort study of United States Veterans. *Am J Gastroenterol.* 2018 June 27. [Epub ahead of print]
- **Ostrom Q\***, Cote D\*, Ascha M, Kruchko C, Barnholtz-Sloan J. Adult Glioma Incidence and Survival by Race or Ethnicity in the United States From 2000 to 2014. *JAMA Oncol.* 2018 Jun 21:e181789
- **Ostrom Q**, Kinnersley B, **Bondy M**, et al. Sex-Specific Glioma Genome-Wide Association Study Identifies New Risk Locus at 3p21.31 in Females, and Finds Sex-Differences In Risk At 8q24.21. *Sci Rep.* 2018 May 9;8(1):7352
- **Ostrom Q**, Rubin J, Lathia J, Berens M, Barnholtz-Sloan J. Females Have the Survival Advantage in Glioblastoma. *Neuro Oncol.* 2018. doi: 10.1093/neuonc/noy002. IF: 7.371
- Pande M, Joon A, **Amos C**, et al. Genetic susceptibility markers for a breast-colorectal cancer phenotype: Exploratory results from genome-wide association studies. *PLoS One.* 2018 Apr 26;13(4):e0196245
- Patel C, Kerr J, **Amos C**, et al. Opportunities and Challenges for Environmental Exposure Assessment in Population-Based Studies. *Cancer Epidemiol Biomarkers Prev.* 2017 Sep;26(9):1370-1380
- Peng X, Chen Z, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Molecular Characterization and Clinical Relevance of Metabolic Expression Subtypes in Human Cancers. *Cell Rep.* 2018 Apr 3;23(1):255-269.e4
- Peres L, Risch H, **Bondy M**, et al. Racial/ethnic differences in the epidemiology of ovarian cancer: a pooled analysis of 12 case-control studies. *Int J Epidemiol.* 2018 Apr 1;47(2):460-472
- Rammah A, Walker Whitworth K, **Bondy ML**, et al. A Mixed-Methods Study to Examine the Role of Psychosocial Stress and Air Pollution on Hypertension in Mexican-Origin Hispanics. *J Racial Ethn Health Disparities.* 2018 Apr 20. [Epub ahead of print]
- Ricketts C, De Cubas A, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. The Cancer Genome Atlas Comprehensive Molecular Characterization of Renal Cell Carcinoma. *Cell Rep.* 2018 Apr 3;23(1):313-326.e5
- Ruiz V, Praska C, **Bondy ML**, et al. Molecular Subtyping of Tumors from Patients with Familial Glioma. *Neuro Oncol.* 2018 May 18;20(6):810-817
- Saltz J, Gupta R, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Spatial Organization and Molecular Correlation of Tumor-Infiltrating Lymphocytes Using Deep Learning on Pathology Images. *Cell Rep.* 2018 Apr 3;23(1):181-193.e7
- Sanchez-Vega F, Mina M, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Oncogenic Signaling Pathways in The Cancer Genome Atlas. *Cell.* 2018 Apr 5;173(2):321-337.e10
- Schaub F, Dhankani V, **Cancer Genome Atlas Network<sub>A</sub>**, et al. Pan-cancer Alterations of the MYC Oncogene and Its Proximal Network across the Cancer Genome Atlas. *Cell Syst.* 2018 Mar 28;6(3):282-300.e2
- Schmit S, Edlund C, **Amos C**, et al. Novel Common Genetic Susceptibility Loci for Colorectal Cancer. *J Natl Cancer Inst.* 2018 Jun 16. doi: 10.1093/jnci/djy099
- **Schraw J**, Henson A, Scheurer M, Forman M. The associations of height-for-age, weight-for-age and weight-for-height with pediatric acute lymphoblastic leukemia. *J Pediatr Hematol Oncol.* 2017 Jul; 39(5): 376-381
- **Schraw J**, Yiu T, **Bondy M**, et al. Maternal folate genes and aberrant DNA hypermethylation in pediatric acute lymphoblastic leukemia. *PLoS One.* 2018 May 15. doi: 10.1371/journal.pone.0197408
- Schumacher F, Al Olama A, **Amos C**, et al. Association analyses of more than 140,000 men identify 63 new prostate cancer susceptibility loci. *Nat Genet.* 2018 Jun 11. doi: 10.1038/s41588-018-0142-8
- Sealock RJ, **Thrift A**, El-Serag HB, Sellin J. Long-term follow up of patients with obscure gastrointestinal bleeding examined with video capsule endoscopy. *Medicine (Baltimore)* 2018;97(29):e11429
- Seiler M, Peng S, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Somatic Mutational Landscape of Splicing Factor Genes and Their Functional Consequences across 33 Cancer Types. *Cell Rep.* 2018 Apr 3;23(1):282-296.e4
- Takahashi H, **Ostrom Q, Bondy M**, et al. Mendelian randomisation study of the relationship between vitamin D and risk of glioma. *Sci Rep.* 2018 Feb 5;8(1):2339

#### Publication & Press continued

- Tan MC, El-Serag HB, Yu X, **Thrift A**. Acid suppression medications reduce risk of oesophageal adenocarcinoma in Barrett's esophagus: a nested case-control study in US male veterans. *Aliment Pharmacol Ther*. 29 June 2018. [Epub ahead of print]
- Tan M, Kanthasamy K, **Thrift A**, et al. Factors associated with recurrence of Barrett's esophagus after radiofrequency ablation. *Clin Gastroenterol Hepatol*. 11 Jun 2018 [Epub ahead of print]
- Tang Z, Zhang D, **Thrift A**, Patel K. Impact of cap-assisted colonoscopy on learning curve and quality in colonoscopy: a randomized controlled trial. *Gastrointest Endosc* 2018; 87(3):723-732
- Taylor A, Shih J, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Genomic and Functional Approaches to Understanding Cancer Aneuploidy. *Cancer Cell*. 2018 Apr 9;33(4):676-689.e3
- Thorsson V, Gibbs D, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. The Immune Landscape of Cancer. *Immunity*. 2018 Apr 17;48(4):812-830.e14
- **Thrift A**, Chiao E. Are non-HIV malignancies increased in the HIV-infected population? *Curr Infect Dis Rep* 2018;20(8):22
- **Thrift A**, Vaughan T, Anderson L, Whiteman D, El-Serag H. External validation of the Michigan Barrett's esophagus prediction tool. *Clin Gastroenterol Hepatol* 2017;15(7):1124-1126
- **Thrift A**. Barrett's esophagus and esophageal adenocarcinoma: how common are they really? *Dig Dis Sci* 2018;63(8):1988-1996
- **Thrift A**. Can we accurately predict survival in patients with perihilar cholangiocarcinoma? *Clin Gastroenterol Hepatol* 2017;15(12):1860-1862
- Tran K, McMenamin U, **Thrift A**, et al. Proton pump inhibitor and histamine-2 receptor antagonist use and risk of liver cancer in two population-based studies. *Aliment Pharmacol Ther* 2018;48(1):55-64
- Varn FS, Tafe LJ, **Amos CI**, Cheng C. Computational immune profiling in lung adenocarcinoma reveals reproducible prognostic associations with implications for immunotherapy. *Oncoimmunology*. 2018 Mar 15;7(6):e1431084
- **Wang Z**, Graham D, **Thrift A**, et al. Incidence of gastric cancer in the USA during 1999 to 2013: a 50-state analysis. *Int J Epidemiol* 2018;47(3):966-975
- **Wang Z**, Shaheen N, **Thrift A**, et al. Helicobacter pylori infection is associated with reduced risk of Barrett's esophagus: an analysis of the Barrett's and esophageal adenocarcinoma consortium. *Am J Gastroenterol*. 8 Jun 2018. [Epub ahead of print]
- **Wang Z**, Wei Y, **Amos CI**, et al. Multi-Omics Analysis Reveals a HIF Network and Hub Gene EPAS1 Associated with Lung Adenocarcinoma. *BioMedicine*. 2018 Jun;32:93-101
- **Wang Z**, Yang B, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. lncRNA Epigenetic Landscape Analysis Identifies EPIC1 as an Oncogenic lncRNA that Interacts with MYC and Promotes Cell-Cycle Progression in Cancer. *Cancer Cell*. 2018 Apr 9;33(4):706-720.e9
- Way G, Sanchez-Vega F, **Cancer Genome Atlas Research Network<sub>A</sub>**, et al. Machine Learning Detects Pan-cancer Ras Pathway Activation in The Cancer Genome Atlas. *Cell Rep*. 2018 Apr 3;23(1):172-180.e3.
- Wu W; 23andMe Research Team, **Amos C**, et al. Inverse Relationship between Vitiligo-Related Genes and Skin Cancer Risk. *J Invest Dermatol*. 2018 Mar 23. pii: S0022-202X(18)31749-4
- Zhao Y, Varn F, **Amos CI**, et al. A P53-Deficiency Gene Signature Predicts Recurrence Risk of Patients with Early-Stage Lung Adenocarcinoma. *Cancer Epidemiol Biomarkers Prev*. 2018 Jan;27(1):86-95

A Includes Quinn Ostrom, MPH, PhD

B, C Includes Chris Amos, PhD

#### BOOKS AND BOOK CHAPTERS

- Amirian E, **Liu Y**, **Ostrom QT**, Barnholtz-Sloan J, **Bondy M**. Nervous System. Cancer Epidemiology and Prevention, fourth edition. M Thun, M Linet, J Cerhan, C Haiman, D
- **Ostrom QT**, Barnholtz-Sloan J. Biospecimen Repositories in the Precision Medicine Era: Perspectives from a Biobanker in the "Trenches." Specimen Science: Ethics and Policy Implications
- **Ostrom QT**, Gittleman H, Stetson L, Virk S, Barnholtz-Sloan JS. Epidemiology of Intracranial Gliomas. *Prog Neurol Surg*. 2018;30:1-11. doi: 10.1159/000464374.
- **Ostrom QT**, Wright C, Barnholtz-Sloan JS. Brain Metastases: Epidemiology. In: Schiff D, van den Bent, MJ, eds., *Metastatic Disease of the Nervous System*, San Diego: Elsevier BV, 2018: 27-42.
- **Thrift AP**. Epidemiology of Esophageal Adenocarcinoma in RB Cameron, O Olevsky, D

## PRESS

- **Amos, Bondy:** Houston Chronicle. Newest state cancer grants lure back former Houston research star. <https://www.houstonchronicle.com/local/prognosis/article/Newest-state-cancer-grants-lure-former-Houston-11824855.php>
- **Bondy:** CW39 Houston. Wristbands at Baylor College of Medicine helps to study Harvey.
- **Bondy:** Houston Chronicle. Harvey flood victims hope special wristbands will help scientists understand environmental exposures. <https://www.houstonchronicle.com/news/houston-texas/article/Harvey-flood-victims-hope-special-wristbands-will-12230622.php>
- **Bondy:** KHOU 11. Harvey victims wear wristbands to track chemical exposure. <https://www.khou.com/article/news/health/harvey-victims-wear-wristbands-to-track-chemical-exposure/478342064>
- **Bondy:** News Week. Are Hurricane Harvey floodwaters making people sick? These wristbands could tell. <https://www.newsweek.com/after-hurricane-harvey-these-wristbands-could-tell-houston-residents-if-theyve-673962>
- **Ostrom:** Laboratory Equipment. Men, women have different genetic risk factors for developing brain cancer. <https://www.laboratoryequipment.com/news/2018/06/men-women-have-different-genetic-risk-factors-developing-brain-cancer>
- **Ostrom:** R&D Mag. Men and women have different genetic risk factors for developing brain cancer. <https://www.rdmag.com/news/2018/06/men-and-women-have-different-genetic-risk-factors-developing-brain-cancer>
- **Ostrom:** ScienceDaily. Men and women have different genetic risk factors for developing brain cancer. <https://www.sciencedaily.com/releases/2018/06/180628151931.htm>
- **Schraw:** ASCO Post. AACR 2018: Children with non-chromosomal birth defects may face higher risk of several childhood cancers. <http://www.ascopost.com/News/58730>
- **Schraw:** Ecaner. A link between non-chromosomal birth defects and cancer. <https://ecancer.org/conference/1047-aacr-2018/video/6824/a-link-between-non-chromosomal-birth-defects-and-cancer.php>
- **Schraw:** Healio. Non-chromosomal birth defects linked to higher risk for some childhood cancers. <https://www.healio.com/hematology-oncology/pediatric-oncology/news/online/%7B6c290563-d671-4860-8309-7ff69f5870cf%7D/nonchromosomal-birth-defects-linked-to-higher-risk-for-some-childhood-cancers>
- **Schraw:** Memorial Sloan Kettering Cancer Center. Certain birth defects may raise risk of childhood cancer. <https://www.mskcc.org/blog/aacr-18-birth-defect-childhood>
- **Schraw:** Oncology Times. Risk of cancers increased among children with non-chromosomal birth defects. <http://know.lww.com/oncology-times/articles/childhood-cancers.html>
- **Schraw:** Tech Times. Children with non-chromosomal birth defects have almost thrice the risk of childhood cancer. <https://www.techtimes.com/articles/225291/20180417/children-with-non-chromosomal-birth-defects-have-almost-thrice-the-risk-of-pediatric-cancer.hm>
- **Schraw:** The Scientist. Birth defects linked to increased risk of childhood cancer. <http://www.ascopost.com/News/58730>
- **Wang:** AACR. Short-acting calcium channel blockers were associated with increased risk of pancreatic cancer in post-menopausal women. <https://www.aacr.org/Newsroom/Pages/News-Release-Detail.aspx?ItemID=1185#.W23E6VVKUk>
- **Wang:** Healio. Calcium channel blockers may increase risk for pancreatic cancer. <https://www.healio.com/hematology-oncology/gastrointestinal-cancer/news/online/%7Befa4c934-a723-4d9f-9a79-52bad6e74c56%7D/calcium-channel-blockers-may-increase-risk-for-pancreatic-cancer>
- **Wang:** HealthDay. Some blood pressure meds tied to pancreatic cancer risk in women. <https://consumer.healthday.com/cancer-information-5/pancreatic-cancer-news-105/some-blood-pressure-meds-tied-to-pancreatic-cancer-risk-in-women-732998.html>
- **Wang:** LA Times. Attention women: Your choice of blood pressure medicine may affect your risk of pancreatic cancer. <http://www.latimes.com/science/sciencenow/la-sci-sn-pancreatic-cancer-hypertension-20180417-story.html>

---

## Section of **Gastroenterology and Hepatology**

---

### **OUR FACULTY**

Fasiha Kanwal	Hoda Malaty
Wasif Abidi	Nabil Mansour
Suneal Agarwal	Ayse Minkdikoglu
Sharmila	Yamini Natarajan
Ananadasabapathy	Antone Robert Opekun
Maya Balakrishnan	Temtope Osinaiya
Andrea Bradford	Mohamed Othman
Johanna Chan	Stephen Pappas
Ru Chen	Kalpesh Patel
Reena Chokshi	Waqar Qureshi
Rhonda Cole	Jim Schwartz
Hashem El-Serag	RJ Sealock
Mary Estes	Rajesh Shah
David Graham	Noah Shroyer
Clark Hair	Richa Shukla
Ruben Hernaez	Gagan Sood
Loan Ho	Rise Stribling
Blaine Hollinger	Milena Gould Suarez
Jason Hou	Norman Sussman
Nisreen Husain	Mimi Chang
Khozema Hussain	Aaron Thrift
Prasun Jalal	John Vierling
Maria Jarbrink-Seghal	Cheryl Walker
Li Jiao	Julie Weatherly
Manreet Kaur	Donna White
Avi Ketwaroo	Yoshio Yamaoka
Saira Khaderi	Boris Yoffe
Natalia Khalaf	
Yan Liu	

The Section of Gastroenterology and Hepatology had a very successful year. Section members had over \$10 million in research funding in 2018. t The Section serves as the clinical home for the NIH funded Digestive Disease Center, one of 17 federally funded centers focusing on research in GI diseases.

Our top-notch faculty received many accolades at the local and national levels. We represent BCM in all major professional societies; our faculty holds several leadership positions within the American Gastroenterological Association, American Association for the Study of Liver Diseases, American Society of Gastroenterological Association, and the Crohn's and Colitis Foundation. The Section also serves as the home for the journal *Clinical Gastroenterology and Hepatology*, one of the major clinical journals in the field.

We continue to provide high quality, compassionate healthcare at Baylor St. Luke's Medical Center (BSLMC), Ben Taub General Hospital, and Michael E. DeBakey Veterans Affairs Medical Center. BSLMC ranked nationally for gastroenterology service this year. In 2018, we introduced several innovations in our practices, including cutting edge advanced endoscopic procedures, multidisciplinary treatment of complex GI disorders, and population-based management programs. Our faculty continues to play an important role in advancing our understanding of digestive and liver diseases and training future clinicians and researchers.

This annual report outlines some of the achievements and recognition received during 2018.



**Fasiha Kanwal, MD, MSHS, AGAF Professor of Medicine**  
*Chief, Gastroenterology and Hepatology*  
*Baylor College of Medicine, Houston TX*  
*Houston Veterans Affairs HSR&D*  
*Center of Excellence Michael E. DeBakey VA Medical Center*

## AWARDS & HONORS

- **Agarwal, Arevalo Santana, Chan, Hou, Othman, Patel:** Top Gastroenterologist in the City of Houston
- **Agarwal:** Associate Program Director for Baylor St. Luke's Medical Center Anandasabapathy: Texas Executive Women's 2017 Class of Women on the Move Anandasabapathy: Houston Top Doctors and Texas Top Doctors
- **Bradford:** Clinical Supervisor between the Section of Gastroenterology and Hepatology and the Department of Psychiatry
- **Cole:** Woman of Excellence at Baylor College of Medicine
- **Estes:** Two Prestigious American Gastroenterological Association Recognitions: William Beaumont Prize in Gastroenterology and Distinguished Mentor Award
- **Husain:** Facilitator for the Critical Thinking and Problem Solving Course within the first year curriculum for medical students
- **Othman:** Star Faculty Award for Excellence in Patient Care
- **Qureshi:** Number-one-selling video in the Endoscopic Learning Library of the American Society for Gastrointestinal Endoscopy- "Evaluation of the ano-rectum: Physical and endoscopic examination"
- **Shukla:** Ben Taub Internal Medicine Core Clerkship Site Director
- **Vierling:** Elected to Fellowship in the American Gastroenterological Association
- **Vierling:** Dr. Charles S. Lieber Lecture at DDW 2018. "Mechanisms of Autoimmune-Associated Liver Injury - How Are PBC, PSC and Autoimmune Hepatitis Alike and Different?"



## PROFESSIONAL ORGANIZATIONS

- **Anandasabapathy:** Chair Elect, *AGA Women Committee*
- **El-Serag:** Vice President, *American Gastroenterological Association (AGA)*
- **Gould Suarez:** Member, *AGA Women Committee*
- **Gould Suarez:** Member, *ACG Patient Care Committee*
- **Hernaiz:** Member, *AASLD Practice Guideline Committee*
- **Hou:** National VA Committee Member, *IBD Technical Advisory Group*
- **Hou:** Chair of Colon Subcommittee, *AGA GI Training Examination Committee*
- **Hou:** Chapter Medical Advisory Committee Co-Chair, *Crohn's and Colitis Foundation of America (CCFA) South Texas Chapters*
- **Ketwaroo:** Chair, *AGA training and Early Career Committee*
- **Kanwal:** Chair, *AASLD Practice Metrics Committee*
- **Kanwal:** Editor-in-Chief, *Clinical Gastroenterology and Hepatology (CGH)*
- **Kanwal:** Member, *National VA Advanced Liver Disease Technical Advisory Board*
- **Natarajan:** Member, *American Gastroenterological Association's (AGA) Government Affairs Committee*
- **Sealock:** Member, *ASGE Annual Scientific Program Committee*
- **Shah:** Member, *Crohn's & Colitis Foundation of America (CCFA) Patient Education Committee*
- **Shukla:** Member, *Crohn's & Colitis Foundation of America (CCFA) Professional Membership Committee*
- **Vierling:** Member Writing Group, *AASLD Practice Guidelines*

## RESEARCH FUNDING

### ANANDASABAPATHY

- MPI: High Resolution Microendoscopy for the Management of Esophageal Neoplasia. National Cancer Institute (NCI); R01-CA181275. 9/1/2017-8/31/2018
- A Low-Cost Tethered Capsule Endoscope for Esophageal Cancer Screening. National Institutes of Health (NIH); R21-EB023431. 1/1/2017-12/31/2018
- NCE 3 – EZPOD: Enhanced Zero-Impact, Emergency Smart Pod. Paul G. Allen Family Foundation; 11965. 5/2/2018-10/31/2018
- High Resolution Microendoscopy for the Management of Esophageal Neoplasia. National Institutes of Health (NIH)/ National Cancer Institute (NCI); RO1 CA181275. 7/1/2014-8/31/2019
- A Low-Cost Tethered Capsule Endoscope for Esophageal Cancer Screening. National Institutes of Health (NIH)/ National Cancer Institute (NCI); R21CA212691. 9/1/2016-8/31/2018
- Automated, Augmented Reality High Resolution Microendoscopy for the Management of Esophageal Neoplasia. National Institutes of Health (NIH)/ National Cancer Institute (NCI); R01CA181275. 9/1/2016-8/31/2018
- ezPod: Enhanced Zero-Impact, Emergency Smart Pod. The Paul G. Allen Family Foundation; Science & Technology – Ebola Program. 9/01/2015-10/31/2018
- Optical Systems for In Vivo Molecular Cancer Imaging. National Institutes of Health (NIH)
- National Cancer Institute (NCI); R01 CA103830. 9/3/2013-8/31/2018

### BALAKRISHNAN

- GS1944: A Phase 3 Randomized Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib in Subjects with Compensated Cirrhosis Due to Nonalcoholic Steatohepatitis (NASH). Gilead Sciences, Inc. 2019
- INT 747-304: A Phase 3, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy and Safety of Obeticholic Acid in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis. Intercept Pharmaceuticals. 2019

---

“ *Our faculty continues to play an important role in advancing our understanding of digestive and liver diseases and training future clinicians and researchers.* ”

---

#### EL-SERAG

- The Texas Hepatocellular Carcinoma Consortium (THCCC). Cancer Prevention & Research Institute of Texas (CPRIT). RP150587. 6/1/2018-5/31/2019
- Effect of Aspirin on Biomarkers of Barrett's Esophagus after Successful Eradication of Barrett's Esophagus with Radiofrequency Ablation. National Cancer Institute (NCI); HHSN-26120120003414929. 6/15/2016-6/14/2019
- Center of Gastrointestinal Infection and Injury. National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); P30-DK056338. 3/1/2018-2/28/2019
- Research Training in Gastroenterology. National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); T32-DK083266. 2/1/2018-1/31/2019
- Extrahepatic manifestations of hepatitis C. Merck, Sharp & Dhome, Corp. 09/01/2016-12/31/2018

#### FINNELL

- Folate Pathway Neural Tube Defects. March of Dimes; 6-FY16-169. 6/1/2018-5/31/2019
- Intervention Strategies for Non-Folate Responsive Neural Tube Defects. National Institute of Child Health and Human Development (NICHD); R01-HD083809. 2/1/2019-8/1/31/2019
- Folic Acid, Parental Mutation Rates and the Risk for Neural Tube Defects. National Institute of Child Health and Human Development (NICHD); R01-HD081216. 7/1/2018-6/30/2019

#### HOU

- Patient-Centered Comparative Effectiveness of Colorectal Cancer Surveillance in IBD. AHCPR- Agency for Healthcare Research and Quality (AHRQ); K08-HS024122. 8/1/2018-7/31/2019
- Advanced IBD Fellowship; Baylor College of Medicine. Pfizer, Inc; Pfizer Fellowship. 7/1/2018- 6/30/2019
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of ABT-494 For Indication and Maintenance Therapy in subjects with Moderately to Severely Active Ulcerative Colitis. Abbvie Inc. 2019
- A Multi Center Open-Label Extension Study to Assess the Safety and Tolerability of LYC-30937-EC in Subjects with Active Ulcerative Colitis. Lycera Corp. 2019

#### KANWAL

- A Personalized Surveillance program for Hepatocellular Carcinoma. American Cancer Society; RSG-17-022-01-CPPB. 7/1/2018-6/30/2019
- Cirrhosis Quality Collaborative. American Association for the Study of Liver Disease. 9/1/2018- 8/31/2021
- Patient Centered Care for Individuals with Advanced Liver Disease. HSR&D IIR 16-075; I01 HX- 002204-01. 4/01/18-3/31/21
- Effectiveness of Zepatier™ (elbasvir (EBR)/grazoprevir (GZR)) co-administered with Ribavirin (RBV) treatment for 16 weeks duration in chronic hepatitis C virus (HCV) genotype 1a (GT1a)-infected patients with selected baseline NSSA resistance associated substitutions: A retrospective observational analysis of the US Veterans Health Administration (VHA) National Data. Merck, Sharp & Dhome, Corp. 01/01/2018-08/31/2018
- Real-world effectiveness and impact of elbasvir/grazoprevir on outcomes among HCV-infected patients. Merck, Sharp & Dhome, Corp. 09/01/2016-12/31/2018

#### KAUR

- A Phase 2B, Randomized, Double-Blind, Placebo-controlled, Parallel-Group, Multicenter Protocol to Evaluate the Safety and Efficacy of JNJ-64304500 in Subjects with Moderately to Severely
- Active Crohn's Disease. Janssen Research & Development, LLC. 2019
- A Phase 4 Open-Label Study to Evaluate Vendolizumab IV Dose Optimization on Treatment Outcomes in Nonresponses with Moderately to Severely Active Ulcerative Colitis (Enterpret). Takeda Global Research & Development Center, Inc. 2019

#### LO

- Transcription Factors in Intestinal Differentiation and Cancer. National Cancer Institute (NCI); F99- CA212443. 9/21/2016-8/31/2018

#### MITTAL

- Prevent HCC – By Screening, Vaccination and Treatment of Viral Hepatitis. Cancer Prevention & Research Institute of Texas (CPRIT); PP160089. 8/31/2017-8/30/2018

#### OPEKUN

- QA Purity, Activity and Ancillary Testing of Commercially Available Gras-Listed Enzymes (Does Not Include Human or Animal Studies). Association in Transformational Oncology Management (ATOM); Testing Agreement. 3/1/2016-3/11/2019

### Research Funding continued

#### OTHMAN

- Population Screening for Familial Chylomicronemia Syndrome ("FCS"). Akcea Therapeutics, Inc. 3/13/2018-3/12/2019
- Phase IIA Trial Evaluating the Safety of Intratumoral Injection of Nanopac in Subjects with Locally Advanced Pancreatic Adenocarcinoma. US Biotest, Inc. 2019
- A Trial Evaluating Escalating Doses and the Safety of Intracystic Injection of Nanopac in Subjects with Mucinous Cystic Pancreatic Neoplasms. US Biotest, Inc. 2019

#### SHROYER

- MPI-Investigation of Regional Identity in Human Intestinal Stem Cells—Subcontract. National Institutes of Health (NIH); U01-DK103117. 9/1/2017-8/31/2018
- Nutrigenomics of Intestinal Vitamin D Action. National Institutes of Health (NIH); R01-DK112365. 4/1/2018-3/31/2019

#### THRIFT

- Prevent HCC – By Screening Vaccination and Treatment of Viral Hepatitis. Cancer Prevention & Research Institute of Texas (CPRIT); PP160089. 8/31/2017-8/30/2018

#### VIERLING

- A Phase 2b, Dose-Ranging, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating The Safety And Efficacy Of GS-6624, A Monoclonal Antibody Against Lysyl Oxidase Like 2 (LOXL2) In Subjects With Primary Sclerosing Cholangitis (PSC). Gilead GS-US-321-0102. 3/2013 – 12/2016
- A Follow-Up Study To Assess Resistance And Durability Of Response To Abbvie Direct-Acting Antiviral Agent (DAA) Therapy In Subjects Who Participated In Phase 2 Or 3 Clinical Studies For The Treatment Of Chronic Hepatitis C Virus (HCV) Infection. Abbvie M13-102. 7/2013 – 12/2016
- Clinical Utility Of Cepheid Xpert® HCV VL Assay. CEPHEID 167A US-IVD. 5/2015 – 12/2016
- A Phase II, Randomized, Open-Label Clinical Trial To Study The Efficacy And Safety Of The Combination Regimen Of MK-5172 And MK-3682 With Either MK-8742 Or MK-8408 In Subjects With Chronic HCV GT1 And GT2 Infection. Merck 3682-011. 8/2015 – 01/2017
- A Phase 3, Global, Multicenter, Randomized, Open-Label Study to Investigate the Safety and Efficacy of Sofosbuvir/Velpatasvir/ GS 9857 Fixed-Dose Combination for 8 Weeks Compared to Sofosbuvir/Velpatasvir for 12 Weeks in Subjects with Chronic Genotype 3 HCV Infection and Cirrhosis. Gilead Polaris 3 GS-US-367-1173, 2/2016 – 11/2016
- A Phase 3, Double Blind, Placebo Controlled Trial And Long Term Safety Extension Of Obeticholic Acid In Patients With Primary Biliary Cirrhosis. Intercept 747-301. 1/2012 – OPEN

- A Long-Term Follow-Up Study Of Subjects Who Participated In A Clinical Trial In Which BMS- 650032 And/Or BMS-790052 Was Administered For The Treatment Of Chronic Hepatitis C. BMS AI444-046. 2/2012 – OPEN
- A Long-Term Follow-Up Study To Evaluate The Durability Of Virologic Response And/Or Viral Resistance Patterns Of Subjects With Chronic Hepatitis C Who Have Been Previously Treated With MK-5172 In A Prior Clinical Trial. Merck MK5172-017. 1/2013 – OPEN
- A Phase 2b, Dose-Ranging, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating The Safety And Efficacy Of GS-6624, A Monoclonal Antibody Against Lysyl Oxidase-Like 2 (LOXL2), In Subjects With Advanced Liver Fibrosis But Not Cirrhosis Secondary To Non-Alcoholic Steatohepatitis (NASH). Gilead GS-US-321-0105. 3/2013 – 2/2017
- A Phase 2b, Dose-Ranging, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating The Safety And Efficacy Of GS-6624, A Monoclonal Antibody Against Lysyl Oxidase-Like 2 (LOXL2), In Subjects With Compensated Cirrhosis Secondary To Non-Alcoholic Steatohepatitis (NASH). Gilead GS-US-321-0106. 3/2013 – 2/2017
- Multicenter, Randomized Phase 2B Study To Evaluate The Efficacy, Safety And Tolerability Of OCR- 002 (Ornithine Phenylacetate) In Hospitalized Patients With Cirrhosis And Associated Hyperammonemia With An Episode Of Hepatic Encephalopathy (STOP-HE). Ocera Therapeutics OCR002-HE209. 10/2013 – 2/2017
- A Randomized, Global, Double-blind, Placebo-controlled, Parallel-group Study to Evaluate the Efficacy and Safety of Once-daily Oral Avatrombopag for the Treatment of Adults with Thrombocytopenia Associated with Liver Disease Prior to an Elective Procedure. Eisai E5501- G000-310. 4/2014 – 3/2017
- An Open-Label Study to Evaluate the Safety and Efficacy of Ombitasvir/AB450/Ritonavir and Dasabuvir with or without Ribavirin (RBV) in Adults with Genotype 1 Chronic Hepatitis C Virus (HCV) Infection, with Severe Renal Impairment or End-Stage Renal Disease (RUBY-I). AbbVie M14-226. 9/2014 – 1/2017
- A Phase 3b, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study Evaluating the Effect of Obeticholic Acid on Clinical Outcomes in Subjects with Primary Biliary Cirrhosis. Intercept 747-302. 12/2014 – OPEN
- A Phase II, Randomized, Double-blind, Placebo-controlled Study of IMM-124E for Patients with Non-alcoholic Steatohepatitis. Immuron IMM-124E-2001. 12/2014 – 6/2017
- A Randomized, Open-Label, Multicenter Study to Evaluate the Efficacy, Safety, and Pharmacokinetics of Co-Administration of ABT-493 and ABT-530 With and Without RBV in Subjects With Chronic Hepatitis C Virus (HCV) Genotype 2 or Genotype 3 Infection (SURVEYOR-II). AbbVie M14-868. 1/2015 – 3/2017

- Clinical Study Of The Breathid® System To Train The Algorithm For The <sup>13</sup>C-Octanoate Breath Test With Or Without The <sup>13</sup>C-Methacetin Breath Test (OBT And MBT Respectively) For Correlation With Histological Findings Of Non-Alcoholic Fatty Liver Disease (NAFLD). Exalenz NASH-EX-1114. 5/2015 – 8/2017
- A Phase II, Randomized, Open-Label Clinical Trial To Study The Efficacy And Safety Of The Combination Regimen Of MK-5172 And MK-3682 With Either MK-8742 Or MK-8408 In Subjects With Chronic HCV GT3 Infection. Merck 3682-012. 7/2015 – 1/2017
- A Multicenter, Randomized, Placebo-Controlled, Double-Blind, Parallel-Group, Phase 2 Clinical Trial to Evaluate the Safety and Efficacy of GR-MD-02 for the Treatment of Liver Fibrosis and Resultant Portal Hypertension in Patients with NASH Cirrhosis. The NASH-CX Trial. GALECTIN GT-026. 9/2015 – OPEN
- A Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Multiple Dose Study to Evaluate the Safety, Pharmacokinetics and Pharmacodynamic Effects of BMS-986036 in Adults with Non-alcoholic Steatohepatitis. BMS MB130045. 9/2015 – 1/2018
- A Randomized, Open-Label, Multicenter Study to Evaluate the Efficacy, Safety, and Pharmacokinetics of Co-Administration of ABT-493 and ABT-530 With and Without RBV in Subjects With Chronic Hepatitis C Virus (HCV) Genotype 2 or Genotype 3 Infection (SURVEYOR-II). AbbVie M14-868. 1-2015 – 3/2017
- Clinical Study Of The Breathid® System To Train The Algorithm For The <sup>13</sup>C-Octanoate Breath Test With Or Without The <sup>13</sup>C-Methacetin Breath Test (OBT And MBT Respectively) For Correlation With Histological Findings Of Non-Alcoholic Fatty Liver Disease (NAFLD). Exalenz NASH-EX-1114. 5/2015 – 8/2017
- A Phase II, Randomized, Open-Label Clinical Trial To Study The Efficacy And Safety Of The Combination Regimen Of MK-5172 And MK-3682 With Either MK-8742 Or MK-8408 In Subjects With Chronic HCV GT3 Infection. Merck 3682-012. 7/2015 – 1/2017
- A Multicenter, Randomized, Placebo-Controlled, Double-Blind, Parallel-Group, Phase 2 Clinical Trial to Evaluate the Safety and Efficacy of GR-MD-02 for the Treatment of Liver Fibrosis and Resultant Portal Hypertension in Patients with NASH Cirrhosis. The NASH-CX Trial. GALECTIN GT- 026. 9/2015 – OPEN
- A Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Multiple Dose Study to Evaluate the Safety, Pharmacokinetics and Pharmacodynamic Effects of BMS-986036 in Adults with Non- alcoholic Steatohepatitis. BMS MB130045. 9/2015 – 1/2018
- Phase 3, Double-Blind, Randomized, Long-Term, Placebo-Controlled, Multicenter Study Evaluating the Safety and Efficacy of Obeticholic Acid in Subjects with Nonalcoholic Steatohepatitis. The REGENERATE Study: Intercept 747-303. 10/2015 – OPEN
- A Randomized, Open-Label, Active-Controlled, Multicenter Study to Compare Efficacy and Safety of ABT-493/ABT-530 to Sofosbuvir Co-Administered with Ribavirin in Adults with Chronic Hepatitis C Virus Genotype 3 Infection (ENDURANCE-3). AbbVie M13-594. 10/2015 – 7/2017
- A Phase 3, Global, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Investigate the Safety and Efficacy of Sofosbuvir/Velpatasvir/GS-9857 Fixed-Dose Combination for 12 Weeks in Direct-Acting Antiviral-Experienced Subjects with Chronic HCV Infection. Gilead Polaris 1 GS-US-367-1171. 10/2015 – 7/2017
- A Phase 3, Global, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Investigate the Safety and Efficacy of Sofosbuvir/Velpatasvir/GS-9857 Fixed-Dose Combination for 12 Weeks in Direct-Acting Antiviral-Experienced Subjects with Chronic HCV Infection. Polaris 2 GS-US-367- 1172. 10/2015 – 2/2017
- A Phase II, Randomized, Open-Label Clinical Trial to Study The Efficacy and Safety of the Combination Regimen of MK-3682B (MK-5172 + MK-3682 + MK-8408 Fixed Dose Combination (FDC)) in Subjects with Chronic HCV GT1 or GT3 Infection who have failed a Direct Acting Antiviral Regimen. Merck 3682-021. 1/2016 – OPEN
- A Phase 3, Global, Multicenter, Randomized, Open-Label Study to Investigate the Safety and Efficacy of Sofosbuvir/Velpatasvir/ GS-9857 Fixed-Dose Combination for 12 Weeks and Sofosbuvir/ Velpatasvir for 12 Weeks in Direct-Acting Antiviral-Experienced Subjects with Chronic HCV Infection who Have Not Received an NS5A Inhibitor. Gilead Polaris 4 GS-US-367-1170. 3/2016– 2/2017
- A Phase 2, Pilot Study of JKB-122 to Assess Liver Tests (ALT) in Autoimmune Hepatitis Patients who are Refractory or Intolerant to Current Therapies. Taiwan JKB-122AIH. 6/2016- OPEN
- A Phase 2, Randomized, Double Blind, Placebo Controlled, Parallel Group, Multiple Center Study to Evaluate the Safety, Tolerability, and Efficacy of NGM282 Administered for 12 Weeks in Patients with Primary Sclerosing Cholangitis (PSC). NGM 15-0106. 6/2016 – 8/2017
- A Multicenter, Randomized, Double-Blind, Placebo- Controlled Trial of Emricasan (IDN-6556), an Oral Caspase Inhibitor, in Subjects with Non-alcoholic Steatohepatitis (NASH) Fibrosis. Conatus IDN-6556-12. 03/2016 – OPEN
- A Multi-Center, Randomized, Placebo-Controlled, Double-Blind Study to Confirm Efficacy and Safety of Terlipressin in Subjects with Hepatorenal Syndrome Type 1 (The Confirm Study). Mallinckrodt Pharmaceuticals, Inc. MNK 19013058. 08/2016 – OPEN
- A Randomized, Double-Blind, Placebo Controlled, 2- Part, Adaptive Design, Multicenter 12-Week Study To Assess Safety, Tolerability And Efficacy Of LJN452 In Patients With Non-Alcoholic Steatohepatitis (NASH). Novartis CLJN425A2202. 06/2016 – OPEN

### Research Funding continued

- A Multicentre Randomized, Double-Blind, Placebo- Controlled Phase III Study To Evaluate The Efficacy And Safety Of Elafibranor In Patients With Non-Alcoholic Steatohepatitis (Nash) And Fibrosis. Genfit GFT505-315-1 NASH. 09/2016 – OPEN
- A Long Term Follow-up Registry for Subjects Who Achieve a Sustained Virologic Response to Treatment in Gilead-Sponsored Trials in Subjects with Chronic Hepatitis C Infection (SVR Registry). Gilead Sciences, Inc. GS-US-248-0122. 1/2017 – OPEN
- An 8-week, dose ranging, open label, randomized, Phase 2 study with an 18-week extension, to evaluate the safety and efficacy of MBX-8025 in subjects with Primary Biliary Cholangitis (PBC) and an inadequate response to or intolerance to ursodeoxycholic acid (UDCA). CymaBay Therapeutics, Inc. CB8025-21629. 2/2017 – OPEN
- A Phase 2 Double-Blind, Randomized, Placebo-controlled, Dose-finding Study to Evaluate the Safety, Tolerability and Efficacy of Volixibat Potassium, an Apical Sodium-Dependent Bile Acid Transporter Inhibitor (ASBTI) in Adults with Nonalcoholic Steatohepatitis (NASH). Shire SHP626- 201. 3/2017 – OPEN
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial of Emricasan, an Oral Caspase Inhibitor, in Subjects with Non-Alcoholic Steatohepatitis (NASH) Cirrhosis and Severe Portal Hypertension. Conatus Pharmaceuticals IDN-6556-14. 4/2017 – OPEN
- A Registry for Subjects with Cirrhosis Who Achieve a Sustained Virologic Response Following Treatment with a Sofosbuvir-Based Regimen without Interferon for Chronic Hepatitis C Infection. Gilead GS-US-337-1431 - LTFU with Cirrhosis. 4/2017 – OPEN
- Procurement of Blood Samples from Subjects with Diagnosed Nonalcoholic Steatohepatitis (NASH) or Nonalcoholic Fatty Liver Disease (NAFLD) for Use in the Development of a Liver Fibrosis Test. Prometheus 16HEP01. 5/2017 – OPEN
- A Phase 2, Randomized, Double-Blind, Placebo Controlled Study Evaluating the Safety, Tolerability, and Efficacy of GS-9674 in Subjects with Primary Biliary Cholangitis Without Cirrhosis. Gilead Sciences, Inc. GS-US-427-4024. 5/2017 – OPEN
- A Phase 2, Randomized, Double-Blind, Placebo Controlled Study Evaluating the Safety, Tolerability, and Efficacy of GS-9674 in Subjects with Primary Sclerosing Cholangitis Without Cirrhosis. Gilead Sciences, Inc. GS-US-428-4025. 5/2017 – OPEN
- A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Phase 2 Study to Evaluate the Efficacy and Safety of Elafibranor at Doses of 80mg and 120mg After 12 Weeks of Treatment in Patients With Primary Biliary Cholangitis and Inadequate Response to Ursodeoxycholic Acid. GenFit GFT505B-216-1. 6/2017 – OPEN
- A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib in Subjects with Nonalcoholic Steatohepatitis (NASH) and Bridging (F3) Fibrosis. Gilead Sciences, Inc. GS-US-384-1943. 6/2017 – OPEN
- A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis (NASH). Gilead Sciences, Inc. GS-US-384-1944. 6/2017 – OPEN
- A Multicenter, Randomized, Double-Blind, Placebo- Controlled Trial of Emricasan, an Oral Caspase Inhibitor, in Subjects with Decompensated Non-Alcoholic Steatohepatitis (NASH) Cirrhosis. Conatus IDN-6556-17. 6/2017 - OPEN
- A Phase 2a, randomized, double-blind, placebo-controlled, dose-ranging, parallel group study to evaluate safety, tolerability, and pharmacodynamics of PF 05221304 administered daily for 16- weeks to adult subjects with nonalcoholic fatty liver disease. Pfizer C1171002. 8/2017 - OPEN
- A Double-Blind, Randomized, Placebo-Controlled Clinical Trial to Assess the Efficacy and Safety of Oral GKT137831 in Patients with Primary Biliary Cholangitis Receiving Ursodeoxycholic Acid and with Persistently Elevated Alkaline Phosphatase. Genkyotex GSN000300. 02/2018 – OPEN
- A Phase 2 Dose Ranging, Randomized, Double Blind, and Placebo-Controlled Study Evaluating the Safety, Tolerability, Pharmacokinetics and Efficacy of EDP-305 in Subjects with Non-Alcoholic Steatohepatitis (NASH). Enanta EDP 305-101. 5/2018 – OPEN
- An Open Label Long-Term Study to Evaluate the Safety and Tolerability of Seladelpar in Subjects with Primary Biliary Cholangitis (PBC). CymaBay CB8025-31731. 5/2018 – OPEN
- A Phase 3, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy and Safety of Obeticholic Acid in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis. Intercept 747-304. 5/2018 – OPEN
- A Phase 1, Double-Blind, Randomized, Placebo-Controlled Study to Evaluate Safety, Pharmacokinetics, and Pharmacodynamics of Obeticholic Acid in Subjects with Nonalcoholic Steatohepatitis with Fibrosis. Intercept 747-117. 5/2018 – 6/2018
- A two-part randomized, double-blind, placebo-controlled multicenter dose ranging and confirmatory study to assess the safety and efficacy of VAY736 in autoimmune hepatitis patients with incomplete response to or intolerance of standard therapy (AMBER). Novartis VAY B2201. 5/2018 - OPEN
- A Phase 2 Dose Ranging, Randomized, Double Blind, Placebo-Controlled Study Evaluating the Safety, Tolerability, Pharmacokinetics and Efficacy of EDP-305 in Subjects with Primary Biliary Cholangitis (PBC) with or without an Inadequate Response to Ursodeoxycholic Acid (UDCA). Enanta EDP 305-201. 3/2018 - OPEN

## PUBLICATIONS & PRESS

- **Mindikoglu A, Opekun A, Sood G**, Devaraj S. Impact of Time-Restricted Feeding and Dawn- to-Sunset Fasting on Circadian Rhythm, Obesity, Metabolic Syndrome, and Nonalcoholic Fatty Liver Disease. *Gastroent Res Practice*. 2017
- **Natarajan Y, Hou J, Kramer JR, Desiderio R, El-Serag HB, Kanwal F**, et al. Accurate Identification of Fatty Liver Disease in Data Warehouse Utilizing Natural Language Processing. *Dig Dis Sci*. 2017 Oct;62(10):2713-2718
- Abdelfatah M, Elhanafi S, Zuckerman M, **Othman M**. Correlation between adenoma detection rate and novel quality indicators for screening colonoscopy. A proposal for quality measures tool kit. *Scand J Gastroenterol*. 2017 Oct;52(10):1148-1157
- **Hou J**, Vanga R, **Thakur E**, et al. One-Day Behavioral Intervention for Patients With Inflammatory Bowel Disease and Co-Occurring Psychological Distress. *Clin Gastroenterol Hepatol*. 2017 Oct;15(10):1633-1634
- **Kanwal F, Kramer J, El-Serag H**, et al. Risk of Hepatocellular Cancer in HCV Patients Treated with Direct Acting Antiviral Agents. *Gastroenterology*. 2017 Oct;153(4):996-1005.e1
- Ngamruengphong S, Inoue H, **Hernaes R**, et al. Efficacy and Safety of Peroral Endoscopic Myotomy for Treatment of Achalasia After Failed Heller Myotomy. *Clin Gastroenterol Hepatol*. 2017 Oct;15(10):1531-1537.e3
- Pandya P, **Kanwal F**. Adding to the evidence base: Effectiveness of hepatocellular carcinoma surveillance in clinical practice. *Hepatol Commun*. 2017 Oct 6;1(8):723-725
- **El-Serag H**. Current Status of Sorafenib Use for Treatment of Hepatocellular Carcinoma. *Gastroent Hepat*. 2017 Oct;13(10):623
- **El-Serag H**. Current Status of Sorafenib Use for Treatment of Hepatocellular Carcinoma. *Gastroent Hepat*. 2017 Oct;13(10):623
- **Tau J, Pappas C**. Editorial: hepatitis C Virus (HCV) Disease progression - HCV Cure and the Elimination of the "Ethnic Slope." *Aliment Pharmacol Ther*. 2017 Nov;46(10):1011-1012
- Chen Y, Zhou W, Roh T, **Estes M**, Kaplan DL. In vitro enteroid-derived three-dimensional tissue model of human small intestinal epithelium with innate immune response. *PLoS One*. 2017 Nov 29;12(11):e0187880
- **Kramer J, White D, El-Serag H, Kanwal F**. Barriers to Hepatitis C Treatment in the Era of Direct Acting Antiviral Agents. *Aliment Pharmacol Ther*. 2017 Nov;46(10):992-1000
- **Kramer J, El-Serag H, White D, Kanwal F**, et al. Hepatitis C Virus-Related Complications are Increasing in Women Veterans: A National Cohort Study. *J Viral Hepat*. 2017 Nov;24(11):955-965
- Hassan M, **Khaderi S, Jalal PK**, et al. Estrogen Replacement Reduces Risk and Increases Survival Times of Women With Hepatocellular Carcinoma. *Clin Gastroenterol Hepatol*. 2017 Nov;15(11):1791-1799
- **Kaur M, Shukla R, Thrift A, El-Serag H**, et al. Factors That Contribute to Indeterminate Results From the QuantiFERON-TB Gold In-Tube Test in Patients With Inflammatory Bowel Disease. *Clin Gastroenterol Hepatol*. 2017 Nov 23. pii: S1542-3565(17)31411-8
- Hu Y, Wan J, Li X, Zhu Y, **Graham DY**, Lu N. Systematic review with meta-analysis: the global recurrence rate of Helicobacter pylori. *Aliment Pharm Ther*. 2017 Nov;46(9):773-9
- **Kourkoupetis T, Jarbrink-Sehgal M**. Melanoma metastatic to the duodenum. *N Engl J Med*. 2017 Dec 21;377(25):e34
- Wangda S, Richter J, **Malaty H**, et al. Epidemiology of Helicobacter pylori infection in asymptomatic schoolchildren in Bhutan. *Helicobacter*. 2017 Dec;22(6)
- **Sood G, Mindikoglu A, Sussman N, Vierling J**, et al. Liver transplant length of stay (LOS) index: A novel predictive score for hospital length of stay following liver transplantation. *Clin Transplant*. 2017 Dec;31(12)
- Camilleri M, Wilcox C, **El-Serag H, Kanwal F**. Anniversary Tribute From the Editors of Clinical Gastroenterology and Hepatology. *Clin Gastroent Hepat*. 2017 Dec 1;15(12):1823-7
- Ayub K, **Ketwaroo G, Cole R, Qureshi W, Graham D**, et al. Mechanical Colon Cleansing for Screening Colonoscopy: a Randomized Controlled Trial. *J Dig Dis*. 2017 Dec;18(12):691-697
- Royse K, **El-Serag H**, Chen L, **White D, Jiao L**, et al. Sleep Duration and Risk of Liver Cancer in Postmenopausal Women. *J Womens Health (Larchmt)*. 2017 Dec;26(12):1270-1277
- **Kourkoupetis T, Jarbrink-Sehgal M**. Melanoma metastatic to the duodenum. *N Engl J Med*. 2017 Dec 21;377(25):e34
- Block T, Alter H, **El-Serag H**, et al. Research priorities for the discovery of a cure for chronic hepatitis B: report of a workshop. *Antiviral Res*. 2017 Dec 14
- **Graham D**. Letter: questions regarding the diagnostic performance of serum assays for atrophic gastritis. *Aliment Pharmacol Ther*. 2017 Dec;46(11-12):1117-1118
- **Shapiro JM, Gould Suarez M**, Turner TL. Cracking the Clinician Educator Code in Gastroenterology. *Clin Gastroenterol Hepatol*. 2017 Dec;15(12):1828-1832
- **Jiao L, White DL, El-Serag H**, et al. Low Fat-Dietary Pattern and Pancreatic Cancer Risk in the Women's Health Initiative Dietary Modification Randomized Controlled Trial. *J Natl Cancer Inst*. 2018 Jan 1;110(1)
- Zou W, **Shroyer N, Estes M**, et al. Epithelial WNT Ligands are Essential Drivers of Intestinal Stem Cell Activation. *Cell Rep*. 2018 Jan 23;22(4):1003-1015
- **White D, Kanwal F, El-Serag H**, et al. Evaluating screening approaches for hepatocellular carcinoma in a cohort of HCV related cirrhosis patients from the Veteran's Affairs Health Care System. *BMC Med Res Methodol*. 2018 Jan 4;18(1):1

### Publications & Press continued

- Pratt P Jr, David N, **Kourkoumpetis T**, et al. Antibody Response to Hepatitis B Virus Vaccine is Impaired in Patients With Inflammatory Bowel Disease on Infliximab Therapy. *Inflamm Bowel Dis*. 2018 Jan 18;24(2):380-386
- **Vierling JM, Mindikoglu AL, Sussman NL**, et al. No Gains in Long- Term Survival After Liver Transplantation Over the Past Three Decades. *Ann Surg*. 2018 Jan 4
- **Shukla R, Thakur E, Bradford A, Hou J**, et al. Caregiver Burden in Adults With Inflammatory Bowel Disease. *Clin Gastroenterol Hepatol*. 2018 Jan;16(1):7-15
- Zeuzem S, Foster G, **Vierling J**, et al. Glecaprevir-Pibrentasvir for 8 or 12 Weeks in HCV Genotype 1 or 3 Infection. *N Engl J Med*. 2018 Jan 25;378(4):354-369
- Bhakta D, **Graham D, Chan J, El-Serag H**. Lessons From Using Culture-Guided Treatment After Referral for Multiple Treatment Failures for Helicobacter pylori Infection. *Clin Gastroenterol Hepatol*. 2018 Jan 3. pii: S1542-3565(17)31538-0
- Hu Y, Wan J, Li X, Zhu Y, **Graham DY**, Lu NH. Editorial: recurrence of Helicobacter pylori infection-still the same after all these years... Authors' reply. *Aliment Pharmacol Ther*. 2018 Jan;47(1):132-133
- Rugge M, Meggio A, **Graham DY**, et al. Gastritis staging in the endoscopic follow-up for the secondary prevention of gastric cancer: a 5-year prospective study of 1755 patients. *Gut*. 2018 Jan 6:gutjnl- 2017
- **Graham D**, Miftahussurur M. Helicobacter pylori urease for diagnosis of Helicobacter pylori infection: A mini-review. *J Adv Res*. 2018 Jan 31
- **Mapakshi S, Kramer J, El-Serag H, Kanwal F**. Positive Predictive Value of ICD-10 Codes for Cirrhosis and its Related Complications. *Clin Gastroenterol Hepatol*. 2018 Feb 1. pii: S1542-3565(18)30113-7
- **Mindikoglu A, Pappas S**. New Developments in Hepatorenal Syndrome. *Clin Gastroenterol Hepatol*. 2018 Feb;16(2):162-177.e1
- **Balakrishnan M, El-Serag H**. Editorial: NAFLD-related hepatocellular carcinoma - increasing or not? With or without cirrhosis? *Aliment Pharmacol Ther*. 2018 Feb;47(3):437-438
- **Vierling J, Sussman N, Mindikoglu A**, et al. Predicting Liver Allograft Discard: The Discard Risk Index. *Transplantation*. 2018 Feb 26
- **Hammad T**, Khan M, Alastal Y, et al. Efficacy and Safety of Lumen-Apposing Metal Stents in Management of Pancreatic Fluid Collections: Are They Better Than Plastic Stents? A Systematic Review and Meta-Analysis. *Dig Dis Sci*. 2018 Feb;63(2):289- 301
- Webb G, Rana A, **Vierling J**, et al. Twenty-Year Comparative Analysis of Patients With Autoimmune Liver Diseases on Transplant Waitlists. *Clin Gastroenterol Hepatol*. 2018 Feb;16(2):278-287.e7
- Mittal S, **Kramer J, El-Serag H, Kanwal F**, et al. Role of Age and Race in the Risk of Hepatocellular Carcinoma in Veterans with Hepatitis B Virus Infection. *Clin Gastroenterol Hepatol*. 2018 Feb;16(2):252-259
- Nell S, Estibariz I, **Graham D**, et al. Genome and Methylome Variation in Helicobacter Pylori with Cag Pathogenicity Island During Early Stages of Human Infection. *Gastroenterology*. 2018 Feb;154(3):612-623.e7
- Ngamruengphong S, Sharaiha R, **Hernaes R**, et al. Fully-covered metal stents with endoscopic suturing vs. partially-covered metal stents for benign upper gastrointestinal diseases: a comparative study. *Endosc Int Open*. 2018 Feb;6(2):E217-E223
- **Graham DY**, Dore MP. Update on Use of Vonoprazan: a Competitive Acid Blocker (P-CAG). *Gastroenterology*. 2018 Feb;154(3):462-466
- Bernica J, Elhanafi S, **Othman M**, et al. Cholangioscopy Is Safe and Feasible in Elderly Patients. *Clin Gastroenterol Hepatol*. 2018 Mar;16(8):1293-1299.e2
- **Mindikoglu A, Pappas S**. Predictors of Response to Terlipressin in Hepatorenal Syndrome. *Clin Gastroenterol Hepatol*. 2018 Mar 15;16(7):1174
- **Mindikoglu A, Opekun A, Khaderi S, Vierling J**, et al. Cystatin C is a Gender-Neutral Glomerular Filtration Rate Biomarker in Patients with Cirrhosis. *Dig Dis Sci*. 2018 Mar;63(3):665-675
- Tang Z, **Thrift A, Patel K**, et al. Impact of Cap-assisted Colonoscopy on Learning Curve and Quality in Colonoscopy: a Randomized Controlled Trial. *Gastrointest Endosc*. 2018 Mar;87(3):723-732.e3
- **Kourkoumpetis T, El-Serag H, Jiao L**, et al. Differential Expression of Tight Junctions and Cell Polarity Genes in Human Colon Cancer. *Explor Res Hypoth Med*. 2018 Mar 21;3(1):14-9
- **Tan M, Graham D**. Proton Pump Inhibitor Therapy After Helicobacter Pylori Eradication May Increase the Risk of Gastric Cancer. *BMJ Evid Based Med*. 2018 Mar 29. pii: bmjebm-2018- 110935
- **El-Serag H, Kanwal F, Graham D**, et al. Houston Consensus Conference on Testing for Helicobacter pylori Infection in the United States. *Clin Gastroenterol Hepatol*. 2018 Mar;16(7):992-1002.e6
- VanWagner L, **Kanwal F**. Hepatology in a Changing Health Care Landscape: A Call for Health Services Research. *Hepatology*. 2018 Mar 14

- Hsu P, Tsay F, **Graham D**, et al. Equivalent Efficacies of Reverse Hybrid and Bismuth Quadruple Therapies in Eradication of *Helicobacter pylori* Infection in a Randomized Controlled Trial. *Clin Gastroenterol Hepatol*. 2018 Mar 31. pii: S1542-3565(18)30328-8
- Alter H, Block T, **El-Serag H**, et al. A research agenda for curing chronic hepatitis B virus infection. *Hepatology*. 2018 Mar;67(3):1127-31
- Roy S, Esmaeilniakooshkghazi A, **Hou J**, et al. Villin-1 and Gelsolin Regulate Changes in Actin Dynamics That Affect Cell Survival Signaling Pathways and Intestinal Inflammation. *Gastroenterology*. 2018 Apr;154(5):1405-1420.e2
- **Opekun A**, Gonzales S, Al-Saadi M, **Graham D**. Brief Report: Lactobacillus Bulgaricus GLB44 (Proviotic™) plus Esomeprazole for *H. pylori* Eradication: a Pilot Study. *Helicobacter*. 2018 Apr;23(2):e12476
- Biggerstaff K, **Kramer J**, **White D**, et al. Validity of code based algorithms to identify primary open angle glaucoma (POAG) in Veterans Affairs (VA) administrative databases. *Ophthalmic Epidemiol*. 2018 Apr;25(2):162-168
- **Chew E**, **Varghese B**, **Sealock R**. Pancreatic duct rendezvous with pancreatoscopy through the minor papilla. *VideoGIE*. 2018 Apr 1;3(4):132-4
- **Khan A**, Abdelfatah M, **Othman M**. Screening and Surveillance of Barrett's Esophagus with Confocal Endomicroscopy and Volumetric Laser Endoscopy. *Techn Gastrointest Endosc*. 2018 Apr 25
- **Graham D**, **Khan A**, **Balakrishnan M**, **El-Serag H**, **Thrift A**, et al. Incidence of gastric cancer in the USA during 1999 to 2013: a 50-state analysis. *Int J Epidemiol*. 2018 Apr 16
- Khan M, **Hammad T**, Khan Z, et al. Endoscopic Versus Percutaneous Management for Symptomatic Pancreatic Fluid Collections: A systematic Review and Meta-Analysis. *Endosc Int Open*. 2018 Apr;6(4):E474-E483
- Chhatwal J, Chen Q, **Kanwal F**, et al. Hepatitis C virus re-treatment in the era of direct-acting antivirals: projections in the USA. *Aliment Pharm Therap*. 2018 Apr;47(7):1023-31
- Chhatwal J, **Kanwal F**. Cost-Effectiveness and Decision Analysis in Clinical Gastroenterology and Hepatology: From Evidence to Informed Decision Making. *Clin Gastroenterol Hepatol*. 2018 Apr;16(4):459-461
- **Thakur E**, **Shapiro J**, **Chan J**, **Bradford A**, **El-Serag HB**, et al. A Systematic Review of the Effectiveness of Psychological Treatments for IBS in Gastroenterology Settings: Promising but in Need of Further Study. *Dig Dis Sci*. 2018 May 10
- **Mindikoglu A**, **Opekun A**, **Vierling J**, **Sood G**, **Jalal P**, et al. A Unique Metabolomic Signature Associated with Hepatorenal Dysfunction and Mortality in Cirrhosis. *Transl Res*. 2018 May;195:25-47
- **Sussman N**, Kelly J. Extracorporeal cellular therapy (ELAD) in severe alcoholic hepatitis: A multinational, prospective, controlled, randomized trial. *Liver Transpl*. 2018 May;24(5):711
- Zeuzem S, Serfaty L, **Vierling J**, et al. The safety and efficacy of elbasvir and grazoprevir in participants with hepatitis C virus genotype 1b infection. *J Gastroenterol*. 2018 May;53(5):679-688
- Jones D, Manns M, **Vierling J**, et al. Unmet Needs and New Models for Future Trials in Autoimmune Hepatitis. *Lancet Gastroenterol Hepatol*. 2018 May;3(5):363-370
- **Kramer J**, **El-Serag H**, **Kanwal F**, et al. Real-world effectiveness of elbasvir/grazoprevir In HCV-infected patients in the US veterans affairs healthcare system. *J Viral Hepat*. 2018 May 31
- **Hernaez R**, **Kanwal F**, **El-Serag H**. HCC Screening is Associated with Survival Benefit in the in an Silico but Needs Confirmation in an Vivo Analysis. *Hepatology*. 2018 May 10;68(1):7-9
- Zou W, **El-Serag H**, **Kanwal F**, et al. Determinants and Outcomes of Hospice Utilization Among Patients with Advance-Staged Hepatocellular Carcinoma in a Veteran Affairs Population. *Dig Dis Sci*. 2018 May 1;63(5):1173-81
- Asrani S, Kouznetsova M, **Kanwal F**, et al. Increasing Healthcare Burden of Chronic Liver Disease Compared to Other Chronic Diseases, 2004–2013. *Gastroenterology*. 2018 May 23
- Hsu Y, Ho H, **El-Serag H**. Temporal trend and risk determinants of hepatocellular carcinoma in chronic hepatitis B patients on entecavir or tenofovir. *J Viral Hep*. 2018 May;25(5):543-51
- Qureshi T, Sparkman J, **Husain N**. Emphysematous Gastritis in a Patient with Abdominal Pain after Dialysis. *Clin Gastro Hepatol*. Epub 2018 May
- **Chayanupatkul M**, **Gould Suarez M**, **Sealock R**. Colonic Schwannoma Diagnosed by Endoscopic Ultrasound with Fine-Needle Aspiration. *Clin Gastroenterol Hepatol*. 2018 May;16(5):A29-A30
- **Qureshi W**. Office Management of Hemorrhoids. *Am J Gastroenterol*. 2018 Jun;113(6):795-798
- **Shah R**, **Kramer J**, **El-Serag H**, **Hou J**, et al. Hepatitis B Virus Screening and Reactivation in a National VA Cohort of Patients with Inflammatory Bowel Disease Treated with Tumor Necrosis Factor Antagonists. *Dig Dis Sci*. 2018 Jun;63(6):1551-1557
- **Tan M**, **El-Serag H**, **Thrift A**, et al. Factors Associated With Recurrence of Barrett's Esophagus After Radiofrequency Ablation. *Clin Gastroenterol Hepatol*. 2018 Jun 11. pii: S1542-3565(18)30595-0
- **Balakrishnan M**, **Graham D**, **Malaty H**, et al. An Investigation into the Recent Increase in Gastric Cancer in the USA. *Dig Dis Sci*. 2018 Jun;63(6):1613-1619
- Frenette C, Morelli G, **Khaderi S**, et al. Emricasan Improves Liver Function in Patients With Cirrhosis and High Model for End-stage Liver Disease Scores Compared With Placebo. *Clin Gastroenterol Hepatol*. 2018 Jun 15. pii: S1542-3565(18)30622-0

---

“

*With over 100 papers in scientific journals and over 70 presentations at the national meetings this year, the Section is a leader in research in gastrointestinal and liver diseases.*

---

*Publications & Press continued*

- **Tan M, El-Serag H, Yu X, Thrift A.** Acid suppression medications reduce risk of oesophageal adenocarcinoma in Barrett's oesophagus: a nested case-control study in US male veterans. *Aliment Pharmacol Ther.* 2018 Jun 29
- Wang Z, **El-Serag H, Thrift A,** et al. Helicobacter pylori Infection Is Associated With Reduced Risk of Barrett's Esophagus: An Analysis of the Barrett's and Esophageal Adenocarcinoma Consortium. *Am J Gastroenterol.* 2018 Jun 8
- Nguyen T, **Khan A, Liu Y, El-Serag H, Thrift A.** The Association Between Statin Use After Diagnosis and Mortality Risk in Patients With Esophageal Cancer: A Retrospective Cohort Study of United States Veterans. *Am J Gastroenterol.* 2018 Jun 27
- Yeomans N, **Graham D,** Husni M, et al. Randomized Clinical Trial: Gastrointestinal Events in Arthritis Patients Treated with Celecoxib, Ibuprofen or Naproxen in the PRECISION Trial. *Aliment Pharmacol Ther.* 2018 Jun;47(11):1453-1463
- **Hernaez R, El-Serag H.** How we approach it: treatment options for hepatocellular carcinoma. *Am J Gastroenterol.* 2018 Jun;113(6):791-794
- Tapper E, **Kanwal F,** Asrani S, et al. Patient Reported Outcomes in Cirrhosis: A Scoping Review of the Literature. *Hepatology.* 2018 Jun;67(6):2375-2383
- Chhatwal J, Samur S, **Kanwal F,** et al. Transplanting HCV-positive livers into HCV-negative patients with preemptive antiviral treatment: A modeling study. *Hepatology.* 2018 Jun;67(6):2085-2095
- **Graham D,** Tansel A. Interchangeable use of proton pump inhibitors based on relative potency. *Clin Gastroent Hep.* 2018 Jun 1;16(6):800-8
- Yeomans N, **Graham D.** Editorial: gastrointestinal safety of COX-2 selective and nonselective NSAIDs-the impact of the PRECISION trial. Authors' reply. *Aliment Pharmacol Ther.* 2018 Jun;47(11):1546-1547
- Millien V, Sharma A, Jain S, **Sealock R.** Rare Collision Tumor of the Biliary Tract. *ACG Case Rep J.* 2018 Jun 20;5:e46
- Lee Y, Asaka M, **Graham D.** Editorial: Helicobacter pylori and gastric cancer in Alaskan Natives: Time to stop studying H. pylori and to eradicate it. *Helicobacter.* 2018 Jun;23(3):e12478

## PRESS

- Qureshi: World Congress of Gastroenterology at ACG 2017 meeting. "Office Management of Acute Thrombosed Hemorrhoids in a Pregnant Patient." (Jul 2017)
- Anandasabapathy: The Hindu. "Emergency smart pods for India a possibility." <https://www.thehindu.com/news/cities/chennai/emergency-smart-pods-for-india-a-possibility> (Oct 2017)
- Hou: GI & Hepatology News. "One-Day Behavioral Therapy for IBD Patients." <https://www.mdedge.com/gihepnews/clinical-edge/summary/ibd-intestinal-disorders/one-day-behavioral-therapy-ibd-patients> (Oct 2017)
- El-Serag: KVEO's RGVproud. "October Is Liver Cancer Awareness Month." <https://www.kveo.com/news/local-news/october-is-liver-cancer-awareness-month> (Nov 2017)
- Shukla: BCM's Momentum Series. "Healthy Habits: Planning meals, setting exercise goals key for Dr. Richa Shukla." <https://blogs.bcm.edu/2017/11/13/healthy-habits-dr-richa-shukla> (Nov 2017)
- Jiao: American Institute for Cancer's Cancer Research Update. "Low-Fat Diet Effective in Reducing Pancreatic Cancer Risk Among Overweight Women." [http://www.aicr.org/cancer-research-update/2017/11\\_29/cru-low-fat-diet-pancreatic-cancer.html](http://www.aicr.org/cancer-research-update/2017/11_29/cru-low-fat-diet-pancreatic-cancer.html) (Dec 2017)
- Kanwal: MD Magazine. "Researchers May Have Confirmed Whether HCV Treatment Poses Liver Cancer Risk." <https://www.mdmag.com/medical-news/researchers-may-have-confirmed-whether-hcv-treatment-poses-liver-cancer-risk> (Dec 2017)
- Mittal: Healio. "10 reports from 2017 on liver cancer incidence rates, major risk factors." <https://www.healio.com/hepatology/oncology/news/online> (Jan 2018)
- Estes and Shroyer: BCM's Cell Reports. Researchers gain insight into how the intestine repairs itself. <https://www.bcm.edu/news/molecular-virology-and-microbiology/how-the-intestine-repairs-itself> (Jan 2018)
- Hussain: National VA Transplant Conference. (Feb 2018)
- Chan: Clinical Gastroenterology and Hepatology. "Physician Burnout: The Hidden Health Care Crisis." [https://www.cghjournal.org/article/S1542-3565\(17\)30790-5/fulltext](https://www.cghjournal.org/article/S1542-3565(17)30790-5/fulltext) (Mar 2018)
- Graham: First annual Stefan S. Nicolau Lecture— Carol Davila University of Medicine in Bucharest, Romania. "Helicobacter pylori: a bacterial cause of gastric cancer." (Mar 2018)
- Gould Suarez: Colon Cancer Coalition. "Faces of Blue: Milena Gould Suarez, M.D." <https://coloncancercoalition.org/2018/03/09/faces-of-blue-milena-gould-suarez-m-d/> (Mar 2018)
- Hernaez: VA Liver Cancer Team Educational Seminar Series. "Curative and Palliative Therapies for HCC." (Apr 2018)
- Estes: Baylor's From The Labs. "Type of injury matters, when healing the small intestine." <https://blogs.bcm.edu/2018/03/20/type-of-injury-matters-when-healing-the-small-intestine/> (Mar 2018)
- Qureshi: BCM DocTalk. "Colorectal Cancer Awareness Month." (Mar 2018)
- Graham: Fifth Annual Ertan Lectureship at UT McGovern Medical School. "Helicobacter Pylori as a Bacterial Cause of Gastric Cancer." (Apr 2018)
- Hou: Time. "You Asked: What Is Inflammation, And Why Should I Care About It?" <http://time.com/5235368/what-is-inflammation> (Apr 2018)
- Graham: Gastrointestinal Endoscopy and Video GIE. "Meet the Master." [https://youtu.be/\\_VoRLbLt6PU](https://youtu.be/_VoRLbLt6PU) (May 2018)
- Bradford: The Wall Street Journal. "A Surprise Medical Solution: Hypnosis." <https://www.wsj.com/articles/a-surprise-medical-solution-hypnosis-1525698883> (May 2018)
- Gould Suarez: CBS Houston. "Colorectal Cancer Awareness." <https://houston.cbslocal.com/2017/05/07/colorectal-cancer-awareness-5-7-17> (May 2018)

---

# Section of General Internal Medicine

---

## OUR FACULTY

### **Baylor Clinic – Faculty Group Practice**

Daniel Murphy  
*(Director)*  
Eloy Cavazos Jr.  
Sharon Chen  
Sobia Khan  
Derek Meeks  
Ralph Rosenbaum

### **Baylor St. Luke's Medical Center**

Umar Waheed  
*(Director)*  
Titilola Adio  
Neeraj Agrawal  
Khannan Athreya\*  
Heather Bartsch  
Alok Bhattarai  
Chris Brann  
Kinjal Changela  
Allison Heinen  
Chimkama Ibe  
Elie Jarrouge  
Roopa Nalam  
Shira Sachs

### **Environmental Health Service**

Winnie Hamilton  
*(Director)*  
Rebecca Bruhl  
Abi Oluyomi

### **Harris Health System**

David Hyman  
*(Section Chief)*  
Anoop Agarwal  
Nabid Ahmed  
Jennifer Chen  
Regina Cuchapin  
Christian Eckman  
Joslyn Fisher  
Cara Foldes  
Barry Goodfriend  
David Hilmers  
Nadia Ismail  
Surinder Kaul  
Riaz Khan  
Maureen Kimani  
Lubna Khawaja  
Anita Kusnoor  
Larry Laufman  
Erica Lescinskas  
Doris Lin\*  
Lee Lu

David McCants  
Niraj Mehta  
Meroe Morse  
Matthew Novakovic  
Ricardo Nuila  
Vishal Patel  
Marc Robinson  
Edward Lee  
Poythress  
Jaime Rueda  
Zaven Sargsyan\*  
Katie Scally  
Michelle Schmidt  
Chirayu Shah  
Vandana Shah  
Wayne Shandera  
Shazia Sheikh  
Stephanie Sherman\*  
Michael Siegelman  
Ryan Shook  
Elizabeth Vaughan  
Youshi Yin

*\*Also works on VAMC  
Hospitalist Team*

### **MEDVAMC**

#### *Hospitalists*

Andrew Caruso  
*(Director)*  
Rajeev Balchandani  
Glynda Reynaldo  
Lindsey Jordan  
Jing Kees  
Jung Hyung Park  
Cory Ritter  
Atur Sheth  
Michelle Sibille  
Bryan Sowers  
Diana Stewart  
Mini Varughese

#### *Women's Health Center*

Rola El-Serag  
*(Director)*

#### *EC IM*

Safar Hossam  
Jonmenjoy Biswas  
Mega Edmondson  
Richa Gupta  
Bryan Kenjura  
Kelly Thomas  
Rajavi Shah

#### *Other Faculty*

Jeffrey Bates  
Joan Friedland  
Molly Horstman  
Jay Kalavar  
James Scheurich  
Anne Utech

#### *Primecare*

Himabindu Kadiyala  
*(Director)*  
Frank Ajatta  
Adelaide Adjovu  
David Berman  
Sarah Candler  
Daniel Debrule  
Samir Desai  
Megan Edmondson  
Yaw Frimpong-Badu  
Nautam Ganatra  
Utpal Ghosh  
Swapna Gupta  
Amir Hendiani  
Kamal Hirani  
Claudine Johnson  
Anna Kolpakchi  
Babin Kurian  
Sabina Lee  
Almer Love II  
Zara Martirosyan  
Megan Mccain  
Maddox  
Amitha Rao  
Radha Rao  
Tin Sein  
Khushboo Shah

### **MEDVAMC – Pharm**

Feibi Chi  
*(Director)*  
Sylvester Agbahiwe  
Christine Aguilar  
Stephanie G. Bird  
Austin De La Cruz  
Michael Gillette  
Regina Issac  
Shani King  
Oluwatoyin A.  
Kuloyo  
Jenny Kwong  
Janeca Malveaux  
Yavonne Martinez  
John Mbue  
Angelena Mccayne  
Scott McDowell  
Nicole McMaster  
Baxter  
Lisa Miller  
Jetavia Moody  
Khahan Ngo  
Jennifer Nguyen  
Phi-Phung Nguyen  
James Papadatos  
Christina Pereira  
Caroline Pham  
Shazia Raheem  
Shailla Sheth  
Sania Sultan  
Tomi Swain  
Matthew Wanat  
Sonya Wilmer

The mission of the Baylor College of Medicine Department of Medicine (DOM) Section of General Internal Medicine (SGIM) mirrors that of the DOM – that is, our Section creates and applies knowledge through research, scientific discovery, and medical education and training locally and globally; all done with innovation and compassion to advance health and wellness.

The Section of General Internal Medicine operates at the Baylor Clinic, the Baylor St. Luke's Medical Center, Harris Health System (Ben Taub and Smith Clinic), and the MEDVAMC. With a large, diverse group of over 130 employed faculty and 24 voluntary faculty, our Section's scope of clinical practice includes hospital medicine and outpatient primary care. Our faculty members serve in educational leadership roles for medical students, residents, faculty and other health professionals. Our faculty members engage in a variety of scholarly endeavors including innovative chronic disease management, quality improvement, medical education scholarship, environmental health and narrative advocacy.

Numerous members of our Section have earned recognition for their excellence in teaching and clinical work. Our faculty has presented locally, regionally, nationally and internationally and published on topics ranging from medical education, clinical vignettes, professionalism, health policy and social determinants of health.

The Section has made significant progress in achieving action items based on the strategic plan. We hope you will enjoy reading our annual report for the academic year 2017-2018.



**David Hyman, MD, MPH, Professor of Medicine**  
*Chief, Section of General Internal Medicine,  
Department of Medicine Baylor College of Medicine*



---

## Baylor Clinic – Primary Care Outpatient Faculty Group Practice

---

The General Internal Medicine Faculty Group Practice (FGP) moved to McNair Clinic in January 2018. After being at the Baylor Clinic location for over 10 years, the Department of Medicine relocated most of the Medicine sections to the new, long awaited McNair Campus on January 16, 2018. It is located across the street from the MEDVAMC. The new address for General Internal Medicine, outpatient clinic is 7200 Cambridge, 8th Floor, Houston, TX, 77030. The GIM FGP includes a dedicated group of 8 clinicians who practice not only general internal medicine providing evidence-based, high quality care for the prevention and treatment of chronic medical conditions but also specialize in a variety of areas including women's health, diabetes and adolescent care. In addition, several FGP members work on quality improvement projects and health services research.

### **PATIENT GROWTH AND PREVENTIVE CARE QUALITY IN FY2018**

The Baylor Clinic General Internal Medicine Faculty Group Practice has provided care to approximately 7975 patients, with an increase of 1,048 new patients over the past year. GIM continues to provide high Preventive Care Quality Scores in Blood Pressure Control, Diabetes Control and Tobacco Screening Cessation.

## Baylor St. Luke's Medical Center Hospitalist Group

---

The concept for the Baylor St. Luke's Medical Center (BSLMC) Hospitalist group was originally proposed in the fall of 2015. Background work, which was done to initiate the Baylor hospitalist group at BSLMC hospital, included contractual relationships with the hospital and with the existing hospitalist groups. The driving force for the Baylor group to initiate a hospitalist program at BSLMC was the hospital's desire to achieve improvement in quality metrics (reduction of length of stay, readmissions, mortality, complications and improvement in HCAPS and other quality measures.)

In June 2016, BCM went into an official contract with BSLMC to provide a hospitalist service that will cover all non-ICU and non-managed care patients. In October 2016, BCM hospitalist group sub-contracted with two existing hospitalist groups so they can work under the BCM umbrella to deliver hospitalist services and desirable results for BSLMC hospital. Improvement in metrics were visible within a few months after the program started. Hospitalist services were expanded to maximize efficiency, throughput and patient safety. At the request of BSLMC hospital, the hospitalist program has made several changes from an admitting/rounding model to a model where the same attending who will follow patients daily will do admissions.

The BSLMC hospitalist group has created schedule and throughput processes to make sure patients are taken care of by the appropriate attendings and consult services. The group has strived hard to build relationships with Baylor and private attendings alike. In June 2018, the BSLMC Hospitalist team started the resident hospitalist team also known as RITE team at Baylor St. Luke's Medical Center. The BSLMC hospitalists are actively involved in hospital committees and the utilization management committee is chaired by one of the BSLMC hospitalists, Dr. Jarrouge. In addition to hospital committees, various hospitalists are involved in scholarly activity and quality improvement projects at BSLMC.

## Harris Health System

---

Harris Health System (HHS) is the largest public health care system in Houston and Harris County with a focus on serving a primarily low resource/underserved patient population. The Section of General Internal Medicine (SGIM) faculty at Ben Taub and Smith Clinic saw a combined total of 94,699 patients visits in FY18 and generated a total of 123,700 WRVUs. This is a combination of all inpatient- teaching and hospitalist as well as outpatient services at Smith Clinic. The Harris Health SGIM group was over 100% of expected productivity for the 2018 academic year. Section members at HHS serve as leaders on numerous HHS committees including patient safety, health information management, pharmacy and therapeutics and ethics.

---

*“ All done with innovation  
and compassion to advance  
health and wellness.*

---

## Ben Taub Hospital

### **HOT (HOSPITALIST ONLY TEAM) INPATIENT CARE**

The HOT service is comprised of general internists specializing in inpatient hospital management without trainees. We provide high quality care to complex medical patients at Ben Taub General Hospital with five rounding teams, one admitting team and a night service. In the 2018 academic year our HOT service has provided care for approximately 35,000 patients.

As members of Baylor and Harris Health, the HOT faculty precept students as part of a commitment to medical education and frequently attend on teaching wards. We hold monthly meetings focusing on patient outcomes, care management, and are in the process of joining our hospitalist partners at St. Luke's and the VA in forming a quarterly journal club. Faculty on the HOT service actively serve on hospital committees to provide crucial input in policy development. Our members work closely with nursing and hospital leadership to improve medical delivery to the bedside. We additionally meet monthly with Emergency Department leadership to streamline the transition from our triage department to the wards.

### **INPATIENT TEACHING SERVICE**

Baylor College of Medicine faculty provides supervision of inpatient medical care for hundreds of residents and students annually. The inpatient teaching service includes 8 ward teams, a consult service and a special rotation for upper level residents to learn hospital medicine (RITE) team. The inpatient teaching service regularly receives fantastic evaluations from students and residents. For many, the Ben Taub inpatient service is the 'crown jewel' among all the great clinical opportunities in the Baylor system.

### **HHS SMITH (OUTPATIENT) CLINIC**

Smith Medicine Clinic is a Harris Health System primary care clinic where ninety-three internal medicine residents spend their three-year residency taking care of their continuity patients. Smith Medicine Clinic also has medical students rotating through during their ambulatory internal medicine clerkship. The majority of our core clinic faculty work is in both inpatient (Ben Taub General Hospital) and outpatient (Smith Medicine Clinic). In this continuity clinic, house staff learn preventive medicine such as cancer screening and vaccinations, in addition to taking care of chronic diseases such as hypertension, diabetes, heart failure, coronary heart disease, etc. They perform PAP smears and procedures such as arthrocentesis and incision/drainage of abscesses. Furthermore, they hone their counseling skills in the setting of encouraging patients to stop smoking and modify dietary lifestyle in reducing weight, or advanced life directives, etc. The mean patient volume ranges from 1000 to 1100 visits per month. In this past academic year, our Smith clinic house staff, with GI service assistance, implemented a successful Quality Improvement Project in using a PPI tapering set in reducing the number of chronic PPI use.

In addition to being actively involved in the residency program's Wednesday school ambulatory curriculum, our clinic faculty led by Drs. Michelle Schmidt, Cara Foldes, and Meroe Morse started an "Intern Spotlight" session in which interns are assigned to review recently published articles on ambulatory care topics. Dr. Schmidt hosts a book club to discuss new books and novels. Dr. Foldes teaches evidence-based medicine in interpreting literature. Dr. Morse is developing an initiative, a comprehensive integrative chronic pain management program to help physicians manage chronic non-cancer pain. Drs. Jaime Rueda and Ordonez often teach our house staff in performing procedures such as arthrocentesis. Dr. Lu, the medical director of Smith Clinic, collaborates with Harris Health leaders in increasing specialty resources through E consults and has written the textbook *Leading an Academic Medical Practice*.

## Michael E. DeBakey VA Medical Center (MEDVAMC)

### **INPATIENT – HOSPITALIST SERVICE**

The MEDVAMC Academic Section of Hospital Medicine began in 2012 with 7 FTE positions and has presently grown to a group of nearly 14 FTE. Our section of clinician educators focuses on BCM medical resident supervision while attending on the Inpatient Medicine service. We currently cover 50% of the general medicine inpatient teams and are adding an additional team this August. Additionally, we provide coverage on-site nightly to supervise the admitting resident, facilitate rapid response and code blue calls, proactively aid patient flow through the Emergency Department and independently perform admissions. Our ranks are made of individuals who have taken on increasing leadership roles in education and include 2 Associate Program Directors for the IM Residency Program, the VA based Chief Resident in Quality and Safety (CRQS) Director, the BCM IM Core Clerkship Director and Associate Sub Internship Director, the UT IM Residency Program Site Director and Associate Site Director, the VA BCM Student Site Director as well as numerous PPS3 facilitators and student mentoring community leaders. From an administrative and service perspective, our section participates in numerous high value committees at the VA and recently initiated a Physician Unit Advisor program to liaison with medical nursing unit administration. In June 2018, Dr. Andrew Caruso accepted the Chief role for the Section of Hospital Medicine, and Dr. Cory Ritter is our new Associate Chief.

### *Inpatient – Hospitalist Service continued*

Our group recently completed a recruitment cycle, and we are excited to welcome three new Hospitalists. Dr. Lindsay Vaclavik joins us after recently completing her year of service to the VA and BCM as one of two Chief Residents in Quality and Service and is also an alumna of the BCM Residency Program from 2017. Dr. Paras Mehta and Dr. Eric Wu just completed their BCM Residency Program training this June and will be joining us this summer. We are additionally recruiting a mid-level provider to be a part of our first endeavor into an inter-professional team.

The MEDVAMC Section of Hospital Medicine is looking forward to further expansion and integration with the hospitalists at Ben Taub and Baylor St. Luke's Medicine Center and are proud to be a growing part of the Section of General Internal Medicine.

“

*... highly dedicated staff who provide excellent proactive, team based, patient-centered care to our Veterans and take pride in working for the Veterans Health Administration.*

### **PRIMARY CARE – PRIMECARE**

Primary Care is one of the foundational services at Michael E. DeBakey VA Medical Center (MEDVAMC). The section has highly dedicated staff who provide excellent pro-active, team based, patient-centered care to our Veterans and take pride in working for the Veterans Health Administration, which is the largest integrated health care system in America. Below are some of the biggest accomplishments of this 2018 academic year:

- When Hurricane Harvey hit Houston in August 2017, MEDVAMC remained open and several of our Primary Care staff went above and beyond to take care of veterans in the most challenging of circumstances in the hospital, GRB Convention Center and in unconventional locations such as tents and Mobile Medical Units.
- Excellent Performance on HEDIS Quality Performance Measures, Access Metrics and ACSC hospitalizations.
- Lowest Opioid use - While there is an epidemic of prescription opioid overdoses in the country, MEDVAMC has one of the lowest opioid prescriptions.
- Primary Care – Mental Health Integration: At MEDVAMC, we have excellent integration of Primary Care and Mental Health services to increase access to mental health care, de-stigmatize mental health disorders and provide a more holistic and successful approach to mental and physical health problems. Our patients can see a Mental Health Provider on the same day they see their Primary Care Provider.
- Same day Mammograms – Our designated Women's Health Providers provide comprehensive general primary care and gender-specific care to our female veterans. We currently have Mammogram services on site, and our veterans can get screening and diagnostic mammograms on the same day as their Primary Care appointment.
- VA Video Connect Visits – As part of a national VHA mandate, our Primary Care Providers at MEDVAMC are utilizing the VA

Video Connect Visits to provide telehealth services using a secure video connection to address nearly any issue that does not require an in-person visit. The VA Video Connect can be used by any veteran who has video-capable technology such as a smartphone, tablet or computer.

- Musculoskeletal Clinic: In the past academic year, we have started a musculoskeletal clinic in Primary Care. Dr. Hendiani, who did a Sports Medicine Fellowship, evaluated more than 200 veterans for various musculoskeletal conditions. Several of them received corticosteroid or hyaluronic injections in various joints. We are planning on expanding the services utilizing ultrasound and orthobiologics.
- Whole Health Initiative – The Whole Health initiative continues to build momentum and engagement in Primary Care and Health Promotion programs at MEDVAMC. Our staff are trained by Dr. Daniel DeBrule, who is our Health Behavior Coordinator/ Whole Health Director, regarding the model with emphasis on personalized health planning and connection with Complementary Medicine approaches such as Yoga, Tai Chi, Acupuncture and Guided Imagery. Personalized Health Planning has been conducted by several PCPs in Primary Care.
- Expansion of trainees in Primary Care Continuity Clinic: We currently have over 100 Internal Medicine residents from BCM and UT who have a rich learning experience from deserving and appreciative patients and are precepted by top notch Faculty.
- CoEPCE: MEDVAMC is one of the seven Centers of Excellence in Primary Care Education, the main goal of which is to develop and test innovative structural and curricular models that foster transformation of health care training from profession-specific silos to inter-professional, team based educational and care delivery models in primary care settings. Our current trainees include Internal Medicine residents, NP residents, NP students, Pharmacy residents, Social work interns, Psychology Fellow, Psychology intern and RN students.

## Environmental Health Service

**Healthcare:** EHS continues to operate two Environmental Health Clinics, one for children and one for adults, which provide assessment and intervention services to individuals with health conditions that are caused or exacerbated by the environment, including asthma and lead poisoning. EHS is now in the final stages of negotiations with the UnitedHealthcare Community Plan of Texas to provide and be reimbursed for comprehensive asthma management services (including home visits and supplies) for UHC members. The partners are also developing an innovative outcomes-based payment system to cover the services, which is expected to serve as a model for other asthma programs and health plans across the country.

**Community:** Immediately after Hurricane Harvey, the EHS team was called on to help understand the immediate health risks caused by contact with floodwater and sediment and to explain these risks—and appropriate safety precautions—to the community. Along with partners at the Houston Health Department and Rice University, the EHS was in the field with New York Times Investigative journalists just days after the flood, collecting water and sludge samples from some of the most affected communities across Houston and interpreting the results.

Nearly 100 members of the community came together on May 1 (World Asthma Day) for the first-ever Houston-Area Town Hall on Asthma. The community spoke about the burden of asthma and helped create a list of actions to make Houston more lung healthy. The Houston mayor's office presented BCM with a proclamation naming May "Asthma Awareness Month." The event was hosted by EHS and the Harris Health System and funded through grants from The Jacob and Terese Hershey Foundation, the National Institute of Environmental Health Sciences and the Patient-Centered Outcomes Research Institute.

**Education:** The director of EHS, Dr. Winnie Hamilton, delivered a lecture titled "Environmental Health: Time for an Upstream Approach," on April 26 for the Determinants, Disparities, and Social/Population Health (DDASH) foundational sciences course at BCM. Dr. Abi Oluyomi, EHS faculty member, in partnership with colleagues at the Southwest Center for Occupational and Environmental Health at UThHealth School of Public Health, presented a comprehensive introduction to geomedicine and the use of geographic information system (GIS) applications in the healthcare field on June 1, 2018.

**Research:** EHS has several ongoing and newly funded research projects such as Environmental Exposures, Health and Resilience before and after Hurricane Harvey in a Houston-Area Cohort of African-American Adults with Poorly Controlled Asthma (NIEHS); Environmental Health Outcomes Research among Hurricane Harvey Survivors; Protecting the Health of Houstonians and Texas Gulf Coast Residents (NIEHS); Geospatial analysis of high-risk areas for vector-borne transmission utilizing satellite imaging technology; Pathways Linking Neighborhood Environments to Activity Behaviors (American Cancer Society), and Houston Home-Based Integrated Intervention Targeting Better Asthma Control for African Americans (PCORI).

**The BCM Resource Stewardship and Sustainability Program (RSSP)** has had another successful year and has maintained its rank as one of the leading colleges in the annual RecycleMania competition. After implementing a new LDPE/HDPE plastics recycling stream on BMC's main campus, the program has been awarded a bench from TREX Collegiate Recycling Program for their efforts. RSSP held a very successful lab coat and scrubs recycling event, in addition to the annual Earth Day event that was well attended. RSSP has also been able to maintain and recruit new volunteers for the recycling program on campus.

## VA Pharm D Program

Pharmacy residents presented their research projects at the American Society of Health-System Pharmacists Midyear (Dec 2017) and Texas Society of Health-System Pharmacists ALCALDE (Apr 2018). In addition, pharmacy house staff earned the recognition below:

- Wanat, Matthew – inducted as a Fellow of American College of Critical Care Medicine (Feb 2018), University of Houston College of Pharmacy Preceptor of the Year (2017), UHCOP Rho Chi Teaching Excellence Award (2017), Society of Critical Care Medicine Texas Chapter President (2017-2018)
- Mitchell, Brian – College of Psychiatric & Neurologic Pharmacists poster presentation on Treatment resistant schizophrenia and the role of long-acting injectable antipsychotics: a case report (Apr 2018), MEDVAMC Pharmacy Residency Preceptor of the Year Award (June 2018)
- Moody, Jetavia – board certification in geriatric pharmacy (Nov 2017)
- Sulik, Hannah – board certification in geriatric pharmacy (Nov 2017)
- Chi, Feibi – serves on VA National Workgroup on assessment of acute care clinical pharmacy practice throughout VHA

---

## AWARDS & HONORS

- **Dr. Lee Lu:** Joseph R. Guitreau Consummate Physician Award, the highest GIM award given in honor of a former colleague
  - **Dr. Anita Kusnoor:** D.A.V.E. Award for the dedicated academician who values excellence in patient care, teaching, and scholarly activity
  - **Drs. Allison Heinen and Elie Jarrouge:** Hospitalist of the Year
  - **Dr. Cara Foldes:** Outpatient Healer of the Year
  - **Dr. Anna Kolpakchi:** Lifetime Achievement Award
  - **Dr. David Hyman,** professor and chief of General Internal Medicine is listed in Castle Connolly's Top Doctors in Houston.
  - **Dr. David Hilmers,** professor, General Internal Medicine was named as a top Internal Medicine doctor by Houstonia Magazine in July 2017
  - **Dr. Allison Heinen,** assistant professor, General Internal Medicine was named as a Top doctor by Houstonia Magazine in August 2017
  - **Dr. Michelle Schmidt,** assistant professor – Harris Health System was selected as one of the BCM Center of Excellence in Health Equity, Training and Research Junior Faculty Scholars for 2018-2019
  - **Dr. Priti Dangayach,** Assistant Professor, General Internal Medicine – Ben Taub Hospital, has received a Certificate of Recognition from the Harris Health System for distinguished service. The award recognizes her excellence in leadership, mentoring and patient care
  - **Dr. Lubna Khawaja,** assistant professor, General Internal Medicine - Ben Taub, has received a Certificate of Recognition from the Harris Health System for distinguished service, in recognition of her excellence in leadership, mentoring and patient care
  - **Dr. Lee Poythress,** associate professor, General Internal Medicine, Ben Taub Hospital, has been awarded the Distinguished Consultant Award from the Department of Emergency Medicine. This award is given to the consultant who the residents and faculty feel embody professionalism, communication, teaching and outstanding patient care
  - **Dr. Meroe Morse,** assistant professor, General Internal Medicine, is an ongoing fellow ('19) and scholarship recipient in Integrative Medicine through Arizona Center of Integrative Medicine
  - **Dr. Sabina Lee,** associate professor, General Internal Medicine-VAMC, is a Texas ACP Wellbeing champion and will be involved with national ACP for the next 3 years for physician well-being
  - **Dr. Anita Kusnoor,** associate professor, General Internal Medicine, received the Essential Skills in Medical Education (ESME) Faculty Scholarship last month from the Office of Faculty Development and the Academy of Distinguished Educators
  - **Dr. Sarah Candler,** assistant professor, General Internal Medicine – MEDVAMC, received her certificate of completion of the Society of General Internal Medicine's Leadership in Health Policy program
  - **Dr. Ricardo Nuila,** assistant professor, General Internal medicine has received a MacDowell Fellowship to continue his journalistic work on health disparities in Texas. The MacDowell Fellowship program is one of the most competitive artistic residencies in the country. Based in New Hampshire, it provides room and board for up to two months for visual artists, filmmakers, and journalists. Nuila will complete the residency in summer 2018
  - **Dr. Joslyn Fisher and Dr. Cara Foldes** were nominated for exemplary Baylor Women of Excellence – women who exemplify excellence as well as Baylor's other values (respect, integrity, innovation and teamwork), in support of Women's History Month
  - **Dr. Joslyn Fisher,** associate professor, General internal Medicine participated in a panel discussion on Ethical Dilemmas in Health Policy with a focus on end of life care at the Texas Medical Center Headquarters in Houston
  - **Dr. Elizabeth Vaughan** was honored by the BCM Office of Institutional Diversity, Inclusion and Equity for her efforts at the Community Health Worker Diabetes Education Program on June 30 at San Jose Clinic, where she helped educate the Health Equity Scholars in the BCM Center of Excellence in Health Equity
-

*Fellow, Hospital Medicine, Society of Hospital Medicine*

- **Andrew Caruso, MD**
- **Cory Ritter, MD**

*Fellow, American College of Physicians*

- **Adelaide Adjovu, MD**
- **Anoop Agrawal, MD**

*Residency Program Graduation Awards*

- Ambulatory – **Jaime Rueda, MD**
- Ben Taub – **Stephanie Sherman, MD**
- MEDVAMC – **Zaven Sargsyan, MD**

*John P. McGovern Outstanding Teacher Excellence Award  
(Medical School)*

- **Lee Poythress, MD** – Clinical Sciences
- **Zaven Sargsyan, MD** – Pre-clinical Sciences (2018),  
Clinical Sciences (2017)

*Norton Rose Fulbright Award for  
Excellence in Teaching & Evaluation*

- **Andrew Caruso, MD**
- **Diana Stewart, MD**
- **Erica Lescinskas, MD**

*Norton Rose Fulbright Award for Excellence  
in Educational Leadership*

- **Erica Lescinskas, MD**

*Early Career Faculty Award for Excellence in Patient Care*

- **Dr. Stephanie Sherman**
- **Dr. Andrew Caruso**

*Graduating Class Outstanding Faculty Award*

- **Dr. Andrew Caruso**, assistant professor
- **Dr. Zaven Sargsyan**, assistant professor
- **Dr. Stephanie Sherman**, assistant professor
- **Dr. Lee Poythress**, associate professor

## RESEARCH FUNDING

- **Hamilton, W** (PI): Houston Home-Based Integrated Intervention Targeting Better Asthma Control for African Americans. Patient centered outcomes research institute (PCORI). AS-1308-05887, 1/1/2014- 6/30/2018
- **Hamilton, W** (PI): Environmental Exposures, Health and Resilience before and after Hurricane Harvey in a Houston-Area Cohort of African-American Adults with Poorly Controlled Asthma. National Institute of Environmental Health Sciences (NIEHS), 1R21-ES029690-01 01, 2/1/2018- 1/31/2010
- **Hamilton, W** (PI): Pathways Linking Neighborhood Environments to Activity Behaviors. American Cancer Society. MRS13145-01. Subcontract with University of Texas MD Anderson Cancer Center. 9/1/2014-6/30/2018
- **Hamilton, W** (PI): Protecting the Health of Houstonians and Texas Gulf coast residents. Philanthropic gift from Jacob and Terese Hershey Foundation. 1/15/2018-1/14/2019
- **Oluyomi, A** (PI): Hurricane Harvey DR2: Individual chemical exposure assessments. National Institute of Environmental Health Sciences (NIEHS). Subcontract with Oregon state university. 1/2/2018-1/1/2020
- **Vaughan, E** (PI): Technology to improve the health of resource poor Hispanics with diabetes. National Institutes of Health, 1K23-DK110341-01A1, 4/1/2017-3/31/2022
- **Lescinskas, E** (Co-I): Identifying and reducing catheter related complications. Dept. of Veterans' affairs, VA251-15-C-0187, 7/1/2015-5/31/2018
- **Sargsyan, Z** and **Sherman, S** (Co-PI): The Academy of Resident-Educators Lab: An Educational Scholarship Elective from Alliance for Academic Internal Medicine (AAIM). 7/9/2018-6/4/2019

## PUBLICATIONS & PRESS

### Books & Book Chapters

- Dr. Lee Lu, associate professor, General Internal Medicine – Harris Health System, is an editor on a recently released book, *Leading an Academic Medical Practice*. Dr. Lu led the group of Society of General Internal Medicine academic leaders to produce the book, which discusses the key elements on how to manage a medical clinic with learners
- Dr. Wayne Shandera, assistant professor of General Internal Medicine is the editor of the recently published book entitled *Sub-Specialty Care of HIV-Infected Patients*. Nova Scientific, 2018. In the same book he also wrote a chapter “General medicine consultation for the HIV infected patient”
- Dr. Wayne Shandera, assistant professor of General Internal Medicine is co-author of chapter “Viral and Rickettsial Diseases”, in McPhee SJ, Papadakis et al, 2017 edition: *Current Medical Diagnosis and Treatment*, New York, NY: McGraw Hill
- Dr. David Hilmers, professor of General Internal Medicine, is author of two chapters in Feigin and Cherry’s *Pediatric Infectious Disease* 8th edition, which came out in February 2018. He authored chapter 145, “Non-venereal Treponematoses” and co-author for chapter 187, “Filoviral Hemorrhagic Fevers: Marburg and Ebola Virus Fevers”. <https://www.us.elsevierhealth.com/feigin-and-cherrys-textbook-of-pediatric-infectious-diseases-9780323376921.html>

### Peer-Reviewed Publications

- **Agrawal A.** X + Y Scheduling Models in Internal Medicine Residency Programs: A National Survey of Program Directors’ Perspectives. *Am J Med.* 2018 Jan;131(1):107-114
- Petrilli C, Saint S, Jennings J, **Caruso A**, et al. Understanding patient preferences for physician attire: a cross sectional observation study of 10 academic medical centers in the USA. *BMJ Open.* 2018 May 29; 8(5):e021239
- **Candler S.** We didn’t get cold feet. *Ann Int Med*
- Shunk R, **Candler S**, Lieblow M. Will graduate medical education at VA hospitals survive the choice act? *SGIM forum.* 2018 April; 4 (4)
- Robinson C, Fisher M, Lane S, **Candler S.** Creating a national health policy and advocacy curriculum. *SGIM Forum.* 2018 June;41(6):1-2
- **De La Cruz A.** Kappa opioid receptor antagonism: Are opioids the answer for treatment resistant depression? *Ment Health Clin [Internet]* 2018;8(4):175-83
- **Fisher J**, Bonomi A. Firearm Surrender Laws: Prompting Promise for Women’s Health. *Ann Int Med.* 2017;167(8):591-2
- Angeles-Agdeppa I, Magsadia C, **Hilmers D**, et al. A Micronutrient Fortified Beverage Given at Different Dosing Frequencies Had Limited Impact on Anemia and Micronutrient Status in Filipino Schoolchildren. *Nutrients.* 2017 Sep 12;9(9). pii: E1002. doi: 10.3390/nu9091002
- **Horstman M**, Spiegelman A, Naik A, Trautner B. Urine Culture on Admission Impacts Antibiotic Use and Length of Stay: A Retrospective Cohort Study. *Infect Control Hosp Epidemiol.* 2018 Mar 27 [Epub ahead of print]
- **Horstman M**, Spiegelman A, Naik A, Trautner B. Reply to Puig-Asensio et al. *Clin Infect Dis.* 2018 May 2; 66(10):1647-1648
- Naik A, **Horstman M**, Kunik M et al. Wearable sensors and the assessment of frailty among vulnerable adults: an observational cohort study. *Sensors.* 2018 April-26;18(5)
- **Hyman D.** Hypertension: Does Polypharmacy Lead to Nonadherence or Nonadherence to Polypharmacy? *Hypertension.* 2017. Jun; 69(6): 1017-1018

- **Hyman D**, Pavlik V. Controlling Hypertension: We Have the Tools-We Just Need to Use Them. *J Gen Intern Med*. 2017. Aug; 32(8):860-862
- Meyer A, Khanna A, Desai S, **Kusnoor A**, Singh H. Evaluating a mobile application for improving clinical laboratory test ordering and diagnosis. *J Am Med Inform Assoc*. 2018 July 1; 25(7):841-847
- **Lin D, Shah C**, Campbell S, **Bates J, Lescinskas E**. Getting it RITE: Impact of a dedicated hospital medicine curriculum for residents. *South Med J*. 2018 Jan;111(1):30-34
- Xu A, **Hyman D, Lu L**. – Cefazolin Related Acute Interstitial Nephritis with Associated Nephrotic- Range Proteinuria: A Case Report. *Drug Saf - Case Reports*. 2018;5(1):16
- Przybylowicz R, Millien V, Sethness J, Kurian B, **Lu L**. I'm Just PSaying Something Isn't Right. *J Gen Int Med* 2017; 2(suppl)
- Millien V, Przybylowicz R, Sethness J, **Kurian B, Lu L**. Unusual Case of Jaundice. *J Gen Int Med* 2017; 2(suppl)
- Chang E, Gustavo R, **Mbue J et al**. HIV Related Refractory Hodgkin Lymphoma: A Case Report of Complete Response to Nivolumab. *Clin Lymph Myel Leuk*. Vol 18, No. 2, e143-6
- **Murphy D**, Meyer A, Vaghani V, Russo E, Wei L, Singh H, et al. Electronic triggers to identify delays in follow-up of mammography: Harnessing the power of big data in health care. *J Am Coll Radiol*. 2018 Feb;15(2):287-295
- **Murphy D**, Meyer A, Vaghani V, Wei L, Singh H, et al. Development and validation of trigger algorithms to identify delays in diagnostic evaluation of gastroenterological cancer. *Clin Gastroent Hepat*: 2017 Aug 10: in press
- Salcicicoli K, Ermis P, **Oluyomi A** et al. Geographic disparities in access to care for adults congenital heart disease patients in the United States. *J AM Coll Cardiol*. 2018 Mar 10;71(11):A558
- Jia, X, Kohli, A, **Poythress E**, et al. Recurrent Biotrial Myxoma in a 41-year-old Woman after Left Atrial Myxoma Resection. *Tex Heart Inst J*. 44(6): 402-404. December 2017
- Dunn T, Rudrapatna V, Hesse S, **Sargsyan Z**. Arterial Thromboses heralding Cholangiocarcinoma. *Am J Med*. 2017 Aug;130(8):e341-e342
- **Schmidt M**. Forgiveness. *Literary AMWA*. 2017 Dec 30 [Online]
- **Stewart D**, Dang B, Trautner B, Cai C et al. Assessing residents' knowledge of patient satisfaction: a cross sectional study at a large academic medical center. *BMJ Open*. 2017 Aug 21;7(8)
- Gregory M, Bryan J, **Stewart D**, et al. Evaluation of a Distance Learning Curriculum for Interprofessional Quality Improvement Leaders. *Am J Med Qual*. 2018 Mar 26. Epub ahead of print
- **Tschaeppe M**. Representations of patients experiences of autonomy in graphic medicine. *AMA J Ethics*, 2018 Feb 1;20(1):122-129
- Moreira T, Hernandez D, Scott C, Murillo R, **Vaughan E**. "Susto, Coraje y Fatlismo": Cultural Bound beliefs and the treatment of diabetes among socio-economically disadvantaged hispanics. *Am J Lifestyle Med*. 12(1):30-33
- **Vaughan E**, Moreno J, **Hyman D**, Chen T, **Foreyt J**. Efficacy of oral versus insulin therapy for individuals with newly diagnosed type 2 diabetes in low-income settings. *Arch Gen Int Med*; 1(2). 17-22
- **Vaughan E**. Integrating CHWs as part of the team leading diabetes group visits: A randomized controlled feasibility study. *Diab Educator*. 43:6. 589-599
- **Vaughan E**. Dual therapy appears superior to monotherapy for low-income individuals with newly diagnosed type 2 diabetes. *J Prim Care Comm Health*. December 7, 2017
- **Vaughan E**. Impact of Child Summertime Obesity Prevention Interventions on BMI and Weight- Related Behaviors: A Systematic Review and Meta-Analysis Protocol. *BMJ Open*. 7:10
- **Vaughan E**. Addressing Outcomes Expectancies in Behavior Change. *Am J Lifestyle Med*. 11:6. 430-432
- **Wilmer S**. Assessment of an Innovative Medication Adherence Training Exercise in an Interprofessional Training Program. *J Health Interprof Pract*.

### Abstracts, Presentations & Workshops

- Dr. Sabina Lee, associate professor and Dr. Sarah Candler, assistant professor, General Internal Medicine – MEDVAMC, recently participated and/or presented at the The Texas Chapter of the American College of Physicians annual conference in San Antonio. Dr. Lee moderated the session presented by Dr. Hashem El-Serag, professor, Gastroenterology and Hepatology, and chairman, Department of Medicine, “GI Multiple Small Feedings of the Mind”
- Dr. Daniel DeBrule, assistant professor, General Internal Medicine, presented Leveraging Whole Health and Health Psychology Interventions to Prevent Suicide in Veterans: Creating Unique Pathways Through New VHA Initiatives at the Annual Conference for the American Association of Suicidology, Washington, D.C.
- Dr. Daniel DeBrule, assistant professor, General Internal Medicine, presented A Multidisciplinary, Multilayered Program for Veterans and Smoking Cessation: Vets Kick Butts. at the Annual Conference of the Society for Behavioral Medicine, New Orleans, LA
- Dr. Ricardo Nuila, served on a panel in the “Reporting Health” session at the Healthier Texas Summit in Austin on November 7. This meeting is organized by the University of Texas System and convenes thought leaders and practitioners statewide to discuss innovations and trends in community and public health
- Dr. Anoop Agrawal, assistant professor, General Internal Medicine, presented “Integration of Apps into Internal Medicine Residency curriculums: A survey of IM program directors” was presented at Association of Program Director’s for Internal Medicine (APDIM) in San Antonio on March 19, 2018
- Dr. Meroe Morse, assistant professor, General Internal Medicine Presented at ACGME Florida (March 2018) Workshop on Resident Wellness Initiative with Stacey Rose, MD
- Dr. Wayne Shandera presented his abstract titled “The relationship between music and medicine as evidenced in the medical literature” was accepted in annual meeting, European Society for the Philosophy of Medicine and Health Care
- Dr. Stephanie Sherman, assistant professor General Internal Medicine presented the following: The Academy of Resident Educators Lab: A Medical Education Research Curriculum- oral Presentation at Southern SGIM Conference, Feb 2018, New Orleans, LA, *Internal medicine upper level boot camp: baseline survey and pilot curriculum*- poster presentation at National SGIM Conference, April 2018, Denver, CO and *Make Cognitive Errors in an App, Not on the Wards: Online Case Simulations to Enhance Diagnostic Reasoning* at SGIM National Conference. Denver, CO. 4/2018
- Dr. Anita Kusnoor was a co-presenter of *Streptococcus constellatus brain abscesses masquerading as metastases*. Presented at the Texas Chapter Annual Meeting of the American College of Physicians, San Antonio, November 11, 2017 and in National Meeting of the American College of Physicians, New Orleans, LA, April 21, 2018. She also presented “It’s my fault!” *Disclosing Medical Error; Assuming Blame in Interprofessional Education along with Dr. Nadia Ismail*, associate professor, General Internal Medicine TEACH-S Conference, Houston, TX, May 11, 2018
- Dr. Michelle Sibille, Instructor, General Internal Medicine- VAMC presenting both a poster and a presentation titled “Morbidity and Mortality Conference: An Innovative Strategy to Teach Quality and Safety in the Outpatient Setting” at the AAMC Integrating Quality Conference, June 7-8. 2018. Her co-authors were Dr. Frene Lacour-Chestnut, Dr. Molly Horstman, assistant professor of General Internal Medicine-VAMC and Dr. Diana Stewart, assistant professor of General Internal Medicine-VAMC
- Arunthamakun J, Choi K, Amenta E, Kees J, Ritter C. Stranger Things: The connection between minimal change disease and childhood asbestos exposure. – Best Clinical Vignettes Top 8 Finalist
- Liebler H, Lim J, Sachs S, Sargsyan Z, Sherman S. Internal Medicine Upper Level Boot Camp: Baseline survey. SGIM, Denver, CO. 2018
- Sargsyan, Z, Nguyen T, Larsen D Kulkarni S. The effect of time compressed playback of audio lectures on learning and retention: A pilot study. SGIM, Denver, CO. 2018

- Amidi O, Averyt A, Shah C. The case of acidotic stabbing victim: Just follow your nose. SGIM. Denver, CO. 2018
- Mammen A, Sherman S, Arnell M. A case of non-occlusive acute gastric ischemia from hypotension during dialysis, SHM, Orlando, FL. 2018
- Kapuria M, Lin D. Not all psychosis is purely psychiatric- A case of Anti-NMDAR Encephalitis. SHM. Orlando, FL. 2018
- Bass, M, Lim J, Sargsyan Z. Left and right you see Staph: Find the source and trace the path. SHM. Orlando, FL. 2018
- Olmstead R, Sargsyan Z. Levofloxacin induced myoclonus. SHM. Orlando, FL. 2018
- Olmstead R, Laeeq R, Katsnelson M, Hammoud N, Chu D, Lin D, Scally K. Renal masses and Cauda Equina syndrome- a rare presentation of T-cell Histocyte-Rich large B Cell lymphoma. SHM, Orlando, FL
- Fisher JW et al. 360 Degree Involvement: Addressing Domestic and Sexual Violence Across Academic Health Centers. National Conference on Health and Domestic Violence, San Francisco, September 2017
- Hilmers D. "Medical Care of Hepatitis B Infected Patients in North Korea" at the Japanese- Korean Medical Association Annual Meeting, Kobe, Japan, November 2017
- Candler S. "It's like a John Deere Tractor: Finding Common Ground in Health Advocacy in the South." Workshop at Society of General Internal Medicine 2018 Southern Regional Meeting, in New Orleans, Feb 2018
- Candler S. "Having Difficult Conversations as a Leader," American College of Physicians' Board of Governors meeting, Montreal, Canada

## Press

- Dr. Sarah Candler, assistant professor, General Internal Medicine – MEDVAMC, was interviewed for an April 23 article in *MedPage Today* titled "Do You Know Your Gen Xers from Your Millennials?"
- Dr. Ricardo Nuila, assistant professor, General Internal Medicine – Ben Taub - was interviewed for a June 6 *TMC NEWS* "On the Side" article, in which he talks about his penchant for great writing as well as practicing great medicine
- Dr. Niraj Mehta, associate professor, General Internal Medicine - Harris Health, was featured with a blog in *kevinmd.com* titled "A gentle reminder that healing begins with feeling"
- Dr. Winnie Hamilton, associate professor, General Internal Medicine, and director, Environmental Health Services, was part of a testing group that the New York Times created to study floodwaters around Houston. The resulting article, "Houston's Floodwaters Are Tainted, Testing Shows," ran on Sept. 11; Dr. Hamilton was heavily cited in the article. Her work and that of several others who participated in the Times' analysis showed that two neighborhoods were contaminated with bacteria and toxins, possibly a result of several waste treatment plants, and that many other areas were also unsafe owing to bacteria and mold
- Dr. Ricardo Nuila and Dr. Michelle Schmidt were invited to speak on Pacifica Radio 90.1 KPFT – "So What's Your Story?" in July 2018
- Dr. Joslyn Fisher co-authored "Intimate Partner Violence: A persistent post-disaster threat," BCM Blog, 10-18-17 <https://blogs.bcm.edu/2017/10/18/intimate-partner-violence-a-persistent-post-disaster-threat/>
- Dr. Rola El-Serag, assistant professor, General Internal Medicine, was interviewed by KPRC Channel 2 for an article about the VA's fastest growing patient population; young female veterans. She also interviewed for a March 30 segment on the Houston Public Media radio show *Houston Matters*. The segment covered a new VA campaign to curb harassment against female veterans

---

## Section of Geriatrics

---

### OUR FACULTY

George Taffet  
Kathryn Agarwal  
Latha Archibold  
Jordan Boynton  
Ursula Braun  
Elizabeth Brierre  
Angela Catic  
Alexie Cintron  
Carla Click  
Allison Dobecka  
Aimee Garcia  
Janet Harlan  
Syed Imam  
Leanne Jackson  
Rashmi Jaitly  
Delma Jara  
Kimberly Johnson

Sanda Khin  
Jung-Hoon Kim  
Ana Macias  
Anita Major  
Toluope Omolayo  
Shannon Pearce  
Jessy Philip  
Tziona Regev  
Junia Reyser  
Robert Roush  
Joel Salazar  
Geraldine Salmeron  
Sarah Selleck  
Glencora Sharfman  
Susan Williams  
Nancy Wilson

*October 2018*

The Section of Geriatrics had a very challenging year. We survive and continue to deliver high quality, compassionate healthcare at many venues. At Houston Methodist Hospital (HMH), Geriatrics was ranked 29th in the nation out of 1,516 hospitals by U.S. News, and Baylor Geriatrics is the only Geriatrics at HMH. At Baylor St. Luke's Medical Center (BSLMC), Geriatrics was ranked as High Performing by U.S. News. Ownership changes at Park Plaza Hospital resulted in the displacement of our outpatient clinic. It was a very difficult move, but we have finally settled in affiliation with BSLMC to practice at Kirby Glen, a wonderful, accessible location less than 2 miles from the Medical Center. If the saying "Nothing worthwhile is easy" is true, then this arduous journey should lead us to the "promised land". We hope to have fellows, faculty, and nurses caring for older people in a smoothly operating practice soon while enjoying free parking and easy access. We were also able to celebrate Dr. Robert J. Luchi's 90th birthday. Dr. Luchi, who founded the Geriatrics section at BCM, and his wife, Jean, flew down from Kansas City for a wonderful opportunity, hosted by Rashmi Jaitly and the Huffington Center on Aging, to embrace successful aging and reflect on our incredible accomplishments.

Baylor Geriatrics is unique in providing care in numerous sites across institutional and geographic lines. Our private practice sees inpatients in consultation at BSLMC and HMH, provides continuing care in facilities close to the medical center and provides outpatient wound care. Our Harris Health practices at Ben Taub General and Quentin Mease Hospitals remain active and Harris Health provides the support for our House Calls program. The House Calls team was featured in a number of media outlets including Houston's Channel 2. At the Michael E. DeBakey Veterans Affairs Medical Center, patient care is provided across the continuum from the nursing home (CLC) to the clinic with a growing interest in providing Geriatric and Palliative Care in hospital and at home. We are honored to have the last of the "Greatest Generation" entrusted to our care at the VA. The CLC has moved up in quality over the past years. It is now ranked 9th out of 135 CLCs in the nation by SAIL quality measures. A recent visit to the CLC resulted in zero findings. Usually only 2-3 CLC's per year out of 135 achieve this distinction. We have developed wound care as an area of expertise, now providing outpatient wound care at BSLMC, HMH, MEDVAMC and to inpatients at HHS. Our Innovation interventions have decreased the exposure to drugs known to cause delirium for thousands of elders throughout the Methodist systems. Using EPIC to protect older patients from delirium was so novel that some of the team were invited to Wisconsin to the Epic User's Group Meeting to present their work.

Our faculty continues to play an important role training future clinicians and researchers in geriatrics and gerontology. Our educational impact outweighs our modest size. The Geriatrics track for our BCM medical students is on hiatus, but the student interest group (SAGI) under the leadership of BCM medical student Koby Kaplan has been revitalized. Dr. Major has updated ARTS (Age-Related ThemeS), our didactic course that occurs at the end of the second year of medical school. The Capstone course, the last didactics before graduation for BCM students, includes important input from Geriatrics faculty including Ursula Braun. Every BCM student did a house call with Geriatrics faculty members; this is a unique teaching experience, reminding learners that patients are real people. The house calls clinicians take the medical student with a University of Houston pharmacy student to create an interdisciplinary learning experience. We teach geriatrics to medicine core clerkship students monthly at Ben Taub Hospital. Many medical students choose electives with Geriatrics faculty. All BCM physician assistant students get training and mentorship at the MEDVAMC, coordinated in part by Mike Anderson, PA-C. To get a clinical perspective on their basic science work, Ph.D. candidates from the Huffington Center on Aging rotate with us. All upper-level BCM internal medicine residents spend four weeks on Geriatrics in a unique experience where they work for two weeks on the inpatient consult service at BSLMC and then spend two weeks out of the hospital exploring the continuum of care for older people. This innovation has been greatly appreciated and has a lasting impact. We also train BCM family medicine residents and HHM family and internal medicine residents in a variety of venues. The Geriatrics PA residency is the only one of its type in the nation, recruiting excellent candidates from across the nation to do additional training in Geriatrics with our faculty. Its success with two slots spurred an increase to three slots for January 2019. Our Geriatric fellowship program, led by Angela Catic, is among the largest and most sought after in the nation. Six first year fellows started in July and six graduated the day before. Annie Smith was our most famous graduating fellow, transported by a Houston Fire Department dump truck to the hospital to deliver Adrielle during the peak of Hurricane Harvey. Annie, husband Gregg, and Adrielle had the highest impact factor of any BCM member, appearing in hundreds of news outlets across the world, including the Washington Post and People magazine. Another fellow finished her second year with a focus on quality improvement as it relates to house calls. This unique focus led Claire Campbell to be recognized as a national leader for education in this area and was vital to our program being chosen to be 1 of 9 programs nationally who will participate in the new Learning Collaborative for Quality Improvement in House Calls. Another fellow, Mariam Ahmed, started her second year focused on wound care. Under the leadership of Aimee Garcia, BCM Geriatrics created the only Geriatrics based academic wound care fellowship in the nation. New fellowship slots in palliative care in collaboration with M.D. Anderson Hospital have been organized through the efforts of Drs. Braun and Syed Imam.

These will be filled outside the “match” this year, but are planned as an important “non-oncology” focused component of the best in the nation M.D. Anderson palliative care training program. Our educational efforts were not limited to trainees as BCM Geriatrics held its first CME course in June under the leadership of Syed Imam. It was well attended, very well received and laid the foundation for further courses. The Elder Investor Fraud program, led by Bob Roush, has trained physicians, lawyers and financial advisers in more than half the states and is soon to be made electronic.

## *To advance the quality of late life through exemplary research, education, patient care, and community outreach.*

The true strength of our section is its people. Lurie McAdow, PA-C retired after more than twenty years of leading the PA efforts at the VA, and Rose Dust, PA-C, one of the early graduates of the PA residency in Geriatrics, moved from the MEDVAMC to Colorado. Mike Anderson, PA-C, another graduate of the PA residency in Geriatrics, joined and will help direct the residency program. Marcia Yparraguirre, our long term administrator and steady hand upon our tiller, is now leading the AMS/HHS relationship at UT Houston. Khelli Simpson, joined BCM Geriatrics from billing to lead administration for the Section. Don Chen, a former fellow who helped develop Home based care at the VA, left as well. Vinh Nguyen, one of our former fellows, returned from California to join the Home Based Primary Care program at the VA. Francisco Loaiciga joined the MEDVAMC to provide palliative care in the homes of dying veterans. Kayla Hall, a nurse practitioner on the house calls team, left to join Methodist Orthopedics. And Nancy Wilson, who brought appreciation of social workers to multitudes of Geriatrics physicians, retired as well.

Our top-notch faculty received many accolades at the local and national levels. For example, we have more “super docs” than the other programs in Geriatrics in Houston. We represent BCM in major professional society meetings; our faculty holds leadership positions within the American Geriatrics Society, the Gerontological Society of America, American Academy of House Call Medicine and American Medical Directors Association.

### *Letter continued*

Geriatrics Section members contributed to research funding in 2018. While none of the funds gets directly credited to the Section, key collaborations with Psychiatry, Surgery, Otolaryngology, Endocrinology, Cardiovascular Research, Health Systems Research and industry were critical to the successes of our collaborators. With our colleagues in the Huffington Center on Aging, a large number of papers were published in scientific journals, including the top journal in our field, *Journal of the American Geriatrics Society*. The enduring products include a wonderful book, *Ethical Considerations and Challenges in Geriatrics*, edited by Angela Catic that featured contributions of many of the BCM Geriatrics faculty, fellows and former fellows. The faculty has made a large number of local and regional presentations. The fellows and faculty had a major presence at the BCM Housestaff Research Day with all fellows presenting their efforts during that event. Similarly, the presence of the Geriatrics Section made up almost all the clinical poster presentation at the annual HCOA day.

In summary, despite the wandering in the desert this year, BCM Geriatrics faculty was able to keep their focus on the next generation of providers and our mission "to advance the quality of late life through exemplary research, education, patient care, and community outreach."

Respectfully submitted,

**George E. Taffet, M.D., FACP Professor in Medicine**

*Chief, Geriatrics*

*Geriatrics and Cardiovascular Sciences*

**Robert J. Luchi, M.D. Chair in Geriatric Medicine**

*Baylor College of Medicine*

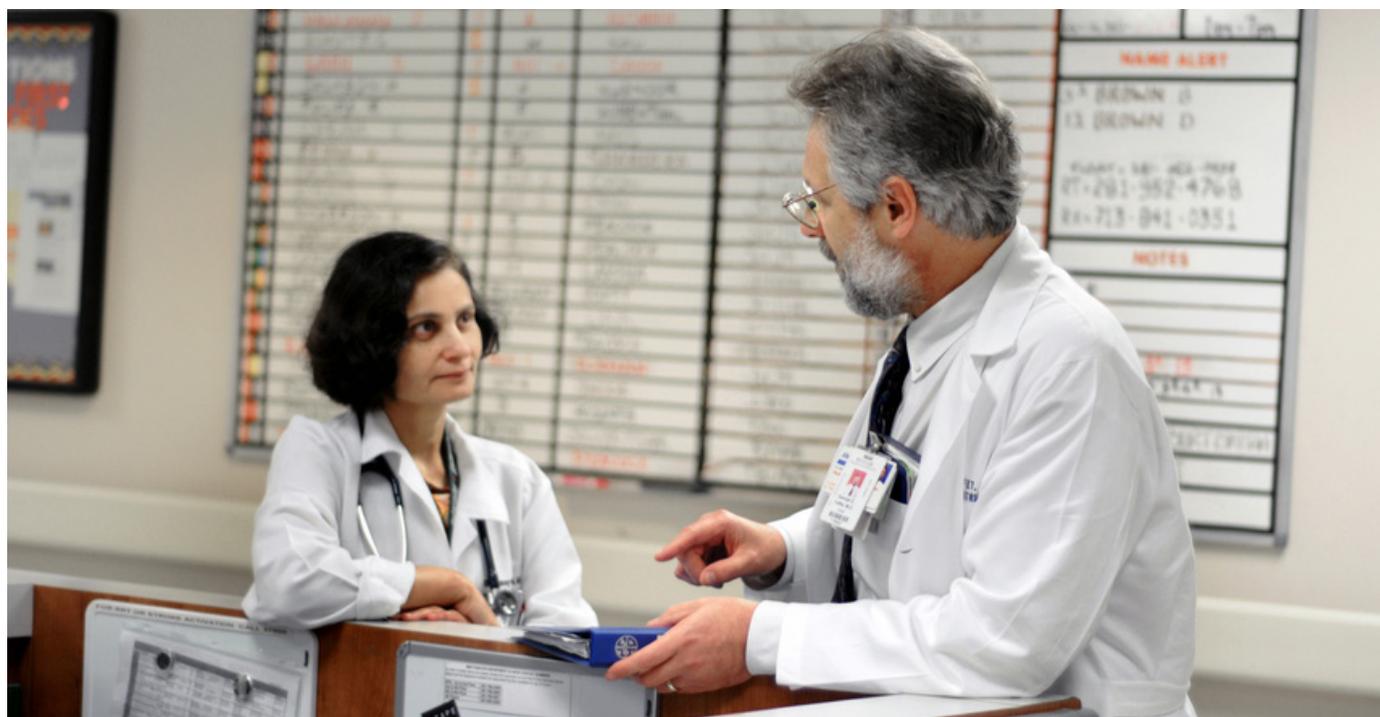
*Head of the Division of Geriatrics*

### **AWARDS & HONORS**

- **Agarwal, Major, Taffet:** Top Doctors in the City of Houston 2018
- **Garcia, Taffet:** Top Geriatric Doctors Castle Connolly 2018
- **Catic, Selleck, Taffet:** Super Doctors, Houston 2018
- **Agarwal:** Woman of Excellence at Baylor College of Medicine. Co-Winner National Association of Hospital Pharmacy Prize 2017; Top Doctors in the City of Houston 2018
- **Braun:** Program Leader, Palliative Care Fellowship Program, MEDVAMC; Leader, Breaking Bad News, CAPSTONE Course BCM
- **Catic:** Program Director for Baylor Geriatrics Fellowship Program; Physician leader VA Physician Assistant Residency Program in Geriatrics; Leader, Educational Swaps Program, American Geriatrics Society; PA Collaborating Physician of 2018 MEDVAMC; Super Doctors, Houston 2018
- **Cintron:** Clinical Supervisor Ethics Program, Harris Health;
- **Garcia:** Director, MEDVAMC Wound Care Program; Top Geriatric Doctors Castle Connolly 2018
- **Jaitly:** Director, HMH Wound Care Program
- **Johnson:** Leader, Non-Physician Faculty Promotion Facilitator for BCM; Promotion to Assistant Professor, BCM
- **Khin:** Director, Geriatric selectives for BCM medical students, Physician champion, Harris Health Wound Care Committee
- **Major:** Leader, House Calls Program; Course Leader, Age-Related ThemeS, BCM; Education Committee, AACMH; Top Doctors in the City of Houston 2018
- **Nguyen:** Leader, Home Based Primary Care
- **Reyser:** Director, Continuity Experience BCM Family Medicine residency program.
- **Roush:** Leader, Elder Investor Fraud Program (with Naik and Kunik)
- **Salmeron:** Leader, Post-Acute care program
- **Selleck:** Super Doctors, Houston 2018;
- **Taffet:** Research Committee, AGS; Geroscience SIG founder, GSA
- **Waterhouse:** Promotion to Assistant Professor, BCM
- **Williams:** Clinic Director, Baylor Geriatrics Senior Care Clinic; Member FGP Leadership, Dept. of Medicine, BCM

## PUBLICATIONS & PRESS

- Adeola M, **Taffet G**, **Agarwal K**, et al. Multicomponent Interventions Reduce High-Risk Medications for Delirium in Hospitalized Older Adults. *J Am Geriatr Soc*. 2018 Aug;66(8):1638-1645
- Bui N, **Agarwal K**, **Taffet G**, et al Prevalence of Cognitive Impairment Among Elderly Patients Upon Hospital Admission Using Mini- Cog™ Assessments Performed by Advanced Pharmacy Practice Experience Students. *J Pharm Pract*. 2018 Jan 1:897190018780591
- **Agarwal K**, **Kazim R**, **Taffet G**, et al. Unrecognized Cognitive Impairment and Its Effect on Heart Failure Readmissions of Elderly Adults. *J Am Geriatr Soc*. 2018 Nov;64(11):2296-2301
- Arney J, Helm A, **Braun U**, et al. Utilization of genomic testing in advanced non-small cell lung cancer among oncologists in the Veterans Health Administration. *Lung Cancer*. 2018 Feb;116:25-29
- **Jackson L**, **Imam S**, **Braun U**. Opioids in Cancer Pain: Right or Privilege? *J Oncol Pract*. 2017 Sep;13(9):e809-e814
- Renn B, Asghar-Ali A, **Catic A**, et al. A Systematic Review of Practice Guidelines and Recommendations for Discontinuation of Cholinesterase Inhibitors in Dementia. **Am J Geriatr Psychiatry**. 2018 Feb;26(2):134-147
- Pickens S, Naik AD, **Catic A**, Kunik ME. Dementia and Hospital Readmission Rates: A Systematic Review. *Dement Geriatr Cogn Dis Extra*. 2017 Oct 19;7(3):346-353
- Shumway JW, Ran R, **Cintron A**, et al. Impact of rescheduling hydrocodone-combination products in an urban Texas county healthcare system. *J Opioid Manag*. 2018 Jul/Aug;14(4):257-264
- Cieslik K, Sekhar R, **Taffet G**, et al. Improved Cardiovascular Function in Old Mice After N-Acetyl Cysteine and Glycine Supplemented Diet: Inflammation and Mitochondrial Factors. *J Gerontol A Biol Sci Med Sci*. 2018 Aug 10;73(9):1167-1177
- Nam D, Kim E, **Taffet G**, et al. Transient activation of AMPK preceding left ventricular pressure overload reduces adverse remodeling and preserves left ventricular function. *FASEB J*. 2018 Jul 19:fj201800602R
- Saeed A, Nambi V, **Taffet G**, et al. Short-Term Global Cardiovascular Disease Risk Prediction in Older Adults. *J Am Coll Cardiol*. 2018 Jun 5;71(22):2527-2536
- Suh J, Lai L, **Taffet G**, et al. Steroid receptor coactivator-2 (SRC-2) coordinates cardiomyocyte paracrine signaling to promote pressure overload-induced angiogenesis. *J Biol Chem*. 2017 Dec 29;292(52):21643-21652
- Trial J, Heredia C, **Taffet G**, Entman M, Cieslik K. Dissecting the role of myeloid and mesenchymal fibroblasts in age-dependent cardiac fibrosis. *Basic Res Cardiol*. 2017 Jul;112(4):34
- Lam P, **Taffet G**, Ahmed A, Singh S. Cardiac Resynchronization Therapy in Older Adults with Heart Failure. *Heart Fail Clin*. 2017 Jul;13(3):581-587
- Granillo A, Pena C, Pham T, Pandit L, **Taffet G**. Murine Echocardiography of Left Atrium, Aorta, and Pulmonary Artery. *J Vis Exp*. 2017 Feb 20;(120)
- Cohen H, Stitz J, **Williams S**, et al. Tandem walking as a quick screening test for vestibular disorders. *Laryngoscope*. 2018 Jul;128(7):1687-1691
- Cohen H, Stitz J, **Williams S**, et al. Utility of quick oculomotor tests for screening the vestibular system in the subacute and chronic populations. *Acta Otolaryngol*. 2018 Apr;138(4):382-386
- Cohen H, Stitz J, Sangi-Haghpeykar H, **Williams S**. Vision Screening in Adults Across the Life Span. *South Med J*. 2018 Feb;111(2):109-112



---

## Section of **Health Services Research**

---

### **OUR FACULTY**

Laura Petersen  
Amber (Amy)  
Amspoker  
Hoda Badr  
Israel Christie  
Jessica Davila  
Traber Giardina  
Kyler Godwin  
Vivian Ho  
Molly Horstman

Sylvia Hysong  
Jennifer Kramer  
Lindsey Martin  
Ashley Meyer  
Whitney Mills  
Daniel Murphy  
Aanand Naik  
Nancy Petersen  
Peter Richardson  
Kathryn Royse

Shubhada Sansgiry  
Hardeep Singh  
Richard Street, Jr.  
Barbara Trautner  
Annette Walder  
Donna White  
Lechauncy  
Woodard  
Mark Kunik  
Jeff Cully



The Center for Innovations in Quality, Effectiveness and Safety (IQuEST) is the largest center for health services research in the Southwest and has been continuously funded since 1990, providing strong scientific leadership and institutional infrastructure dedicated to a model of embedded health system research. Since 2007, when Dr. Petersen became the Director and Section Chief, the number of funded investigators has grown over 125%, from 17 to 39 core members, and there have been 31 academic promotions among core faculty. In the past 23 years, 70 career development awards (CDA) have been funded (seven are current), including two recent HSR Section CDAs. Moreover, total grant funding has more than doubled, with over \$16 million in research funding for FY18. We have a nearly 20-year tradition of conducting research in partnership with the health care delivery system and responding to its needs, making us pioneers in the execution of the learning health care system model. The IQuEST mission, “improving health and well-being through innovations in health care delivery,” emphasizes our commitment to transformative and innovative research.

A learning health care system “...is designed to generate and apply the best evidence for the collaborative health care choices of each patient and provider; to drive the process of discovery as a natural outgrowth of patient care; and to ensure innovation, quality, safety, and value in health care.” Our model for the learning health care system is founded on strong partnerships with clinical and policy stakeholders, implementation of best evidence and evaluation to ensure a continuous cycle of learning and improvement. You will find IQuEST Investigators embedded within the clinical practice of Baylor St. Luke’s Healthcare system, the Faculty Group Practice, Michael E. DeBakey VA Medical Center, Harris Health System, Texas Children’s Hospital and many others. We emphasize communication, coordination and collaboration between clinical staff, communities and patients/families to achieve our goals of quality, effectiveness and safety and the whole health model. We will continue to grow cross-disciplinary teams of clinician scientists, social scientists and others who are embedded in the health systems to ensure better understanding of challenges and potential for healthcare improvement.

IQuEST is ideally poised to contribute to making care more accessible, safer and more patient-centered with innovative research, rapid implementation of evidence, novel methodologies that match the complexity of problems under study, solid partnerships that are built on decades of work, key stakeholder engagement, career development of future scientists and infrastructure to promote a learning health care system within Baylor College of Medicine. Please join in a review of our achievements and recognition received during 2018.



**Dr. Laura Petersen**

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

## KEY IMPACTS

### Publications

- **Trautner BW**, Grigoryan L, **Petersen NJ**, **Hysong S**, Cadena J, Patterson JE, **Naik AD**. Effectiveness of an Antimicrobial Stewardship Approach for Urinary Catheter-Associated Asymptomatic Bacteriuria. *JAMA internal medicine*. 2015 Jul 1; 175(7):1120-7.

PMID: 26010222 Overtreatment of asymptomatic bacteriuria (ASB) in patients with urinary catheters remains high. Health care professionals have difficulty differentiating cases of ASB from catheter-associated urinary tract infections. A multifaceted intervention targeting health care professionals who diagnose and treat patients with urinary catheters reduced overtreatment of ASB compared with standard quality improvement methods. These improvements persisted during a low-intensity maintenance period. The impact was more pronounced in long-term care, an emerging domain for antimicrobial stewardship.

- Lindsay JA, Kauth MR, Hudson S, **Martin LA**, Ramsey DJ, Daily L, Rader J. Implementation of video telehealth to improve access to evidence-based psychotherapy for posttraumatic stress disorder. *Telemedicine journal and e-health : The official journal of the American Telemedicine Association*. 2015 Jun 1; 21(6):467-72.

PMID: 25714664 Increasing access to psychotherapy for PTSD is a primary focus of the VA healthcare system. Delivery of treatment via video telehealth can expand availability of treatment and be equally effective as in-person treatment. Development of specific strategies is needed to implement video telehealth services in complex healthcare systems, like the VA. This project conducted at 5 CBOCs was guided by the Promoting Action on Research Implementation in Health Services framework and used external facilitation to increase access to psychotherapy via video telehealth. Findings suggest that external facilitation is an effective and acceptable strategy to support providers as they establish clinics and make complex practice changes, such as implementing video telehealth to deliver psychotherapy.

### System Improvements

- **Singh H**, Sittig DF. Advancing the science of measurement of diagnostic errors in healthcare: The Safer Dx framework. *BMJ Qual Saf*. 2015 Feb;24(2):103-10.

Diagnostic errors are major contributors to harmful patient outcomes, yet they remain a relatively understudied and unmeasured area of patient safety. Although they are estimated to affect about 12 million Americans each year in ambulatory care settings alone, both the conceptual and pragmatic scientific foundation for their measurement is under-developed. Health care organizations do not have the tools and strategies to measure diagnostic safety and most have not integrated diagnostic error into their existing patient safety programs.

Further progress toward reducing diagnostic errors will hinge on our ability to overcome measurement-related challenges. In order to lay a robust groundwork for measurement and monitoring techniques to ensure diagnostic safety, we recently developed a multifaceted framework to advance the science of measuring diagnostic errors (The Safer Dx framework). We posit that the Safer Dx framework can be used by a variety of stakeholders including researchers, clinicians, health care organizations and policymakers, to stimulate both retrospective and more proactive measurement of diagnostic errors. The feedback and learning that would result will help develop subsequent interventions that lead to safer diagnosis, improved value of health care delivery and improved patient outcomes.

- **Singh H**, Sittig DF. Measuring and improving patient safety through health information technology: The Health IT Safety Framework. *BMJ Qual Saf*. 2015. Sep 14. Epub ahead of print.

Health information technology (health IT) has potential to improve patient safety but its implementation and use have led to unintended consequences and new safety concerns. A key challenge to improving safety in health IT-enabled health-care systems is to develop valid, feasible strategies to measure safety concerns at the intersection of health IT and patient safety. In response to the fundamental conceptual and methodological gaps related to both defining and measuring health IT-related patient safety, we propose a new framework, the Health IT Safety (HITS) measurement framework, to provide a conceptual foundation for health IT-related patient safety measurement, monitoring, and improvement. The framework proposes to integrate both retrospective and prospective measurement of HIT safety with an organization's existing clinical risk management and safety programs. It aims to facilitate organizational learning, comprehensive 360 degree assessment of HIT safety that includes vendor involvement, refinement of measurement tools and strategies, and shared responsibility to identify problems and implement solutions. A long term framework goal is to enable rigorous measurement that helps achieve the safety benefits of health IT in real-world clinical settings.

- Menon S, **Murphy DR**, **Singh H**, **Meyer AN**, Sittig DF. Workarounds and Test Results Follow-up in Electronic Health Record- Based Primary Care. *Applied clinical informatics*. 2016 Jun 22; 7(2):543-59.

Electronic health records (EHRs) have potential to facilitate reliable communication and follow-up of test results. However, limitations in EHR functionality remain, leading practitioners to use workarounds while managing test results. Workarounds can lead to patient safety concerns and signify indications as to how to build better EHR systems that meet provider needs. We conducted a secondary data analysis of quantitative and qualitative data from a national survey of PCPs practicing in the Department of Veterans Affairs (VA) and explored the use of workarounds in test results management.

We used multivariate logistic regression analysis to examine the association between key sociotechnical factors that could affect test results follow-up (e.g., both technology-related and those unrelated to technology, such as organizational support for patient notification) and workaround use. We conducted a qualitative content analysis of free text survey data to examine reasons for use of workarounds. Workarounds to manage EHR-based test results are common, and their use results from unmet provider information management needs. Future EHRs and the respective work systems around them need to evolve to meet these needs.

- **Naik AD, Martin LA**, Moye J, Karel MJ. Health Values and Treatment Goals of Older, Multimorbid Adults Facing Life-Threatening Illness. *Journal of the American Geriatrics Society*. 2016 Mar 1; 64(3):625-31.

This publication was cited in The John A. Hartford Foundation Change AGENTS Initiative white paper "Patient-Centered Medical Homes and the Care of Older Adults: How comprehensive care coordination, community connections, and person-directed care can make a difference". The paper provides a roadmap to guide primary care practices in how to enhance care for older, complex patients and their families.

- VHA Directive 1088

Dr. Hardeep Singh co-chaired a work-group under The Office of Patient Care Services (10P4) to revise a previous directive (VHA Directive 2009-019) and to establish new national policy regarding communication of test results to providers and patients. Timely communication of test results is essential to ensuring safe and effective health care. Lack of timely follow-up of abnormal test results has been identified as a contributor to poor outcomes and can be a source of considerable anxiety to patients and families. The Directive cites 11 publications from center members and provides policies and guidance on how to improve timeliness of follow-up of test results and is consistent with VHA's goals of providing Veterans with quality health care. The Directive is now in place at all 150-plus VA facilities and impacting care for millions of veterans.

- Explicit Quality Indicator Set for Measurement of Quality of Care in Patients with Cirrhosis

Dr. Fasiha Kanwal's work in cirrhosis quality measure development led to implementation of a performance measure as part of the Centers for Medicare and Medicaid Service pay for performance program (HCC screening). This measure was also selected to be part of the GI measure set in AHIP, which is a national association representing nearly 1300 member companies providing health insurance coverage to more than 200 million Americans.

## Research Product

- **Murphy DR, Meyer AN**, Bhise V, Russo E, Sittig DF, Wei L, Wu L, Singh H. Computerized Triggers of Big Data to Detect Delays in Follow-up of Chest Imaging Results. *Chest*. 2016 Sep 1;150(3):613-20.

We applied a trigger in a repository hosting EHR data from all Department of Veterans Affairs health-care facilities and analyzed data from seven facilities. Using literature reviews and expert input, we refined previously developed trigger criteria designed to identify patients potentially experiencing delays in diagnostic evaluation of chest imaging flagged as "suspicious for malignancy." The trigger then excluded patients in whom further evaluation was unnecessary (ie, those with terminal illnesses or with already completed biopsies). The criteria were programmed into a computerized algorithm. Reviewers examined a random sample of trigger-positive (ie, patients with trigger-identified delay) and trigger-negative (ie, patients with an abnormal imaging result but no delay) records and confirmed the presence or absence of delay or need for additional tracking (eg, repeat imaging in 6 months). Analysis included calculating the trigger's diagnostic performance (ie, positive predictive value, negative predictive value, sensitivity, specificity). Application of triggers on "big" EHR data may aid in identifying patients experiencing delays in diagnostic evaluation of chest imaging results suspicious for malignancy.

## METHODS AND PRODUCTS

- 2X2 Functional Health Literacy/Patient Activation Matrix (PI: LeChaunca Woodard)

The Functional Health Literacy/Activation Matrix tool was developed to provide personalized health information to clinicians to improve communication and coordination of self-management at the point of care. Functional Health Literacy (FHL) and Patient Activation levels are directly related to levels of motivation to participate in chronic disease self-management. By classifying veterans into high/low categories for both FHL and Patient Activation, the 2x2 Literacy/Activation Matrix provides a concrete description of a prototypical veteran in each quadrant and suggests corresponding actions and communication strategies for clinicians to uniquely target self-management plans with Veterans. By assessing Veterans' levels of Functional Health Literacy (FHL) and Patient Activation a priori, providers were able to tailor and personalize their approach to collaborative goal-setting. This personalization helped optimize chronic disease self-management for a costly population of Veterans with treated by uncontrolled Type II Diabetes Mellitus.

### *Methods and Products continued*

- AWARE: Alerts, Watch and Response Engine (PI: Hardeep Singh)

Abnormal test results do not always receive timely follow-up, even when providers are notified through electronic health record (EHR)-based alerts. Follow-up to abnormal test results in the outpatient setting is an important safety issue. The Houston Patient Safety team developed and did preliminary usability testing on a prototype software system to detect abnormal test result alerts lacking documented follow-up, and to present context-specific reminders to providers called the Alert Watch And Response Engine (AWARE).

- CAUTI: Catheter Associated Urinary Tract Infection Intervention (PI: Barbara Trautner)

With VA HSR&D funding, we have developed an intervention to encourage guideline compliant practices concerning antibiotic use for urinary tract infections. Specifically we used audit and feedback plus a “fast and frugal” algorithm to substitute incorrect biases towards excessive use of antibiotics for prescribing decisions that were compliant with guidelines.

- CBOC Mental Health Grand Rounds Program (PI: Mark Kunik)

The CBOC Mental Health Grand Rounds program is a partnership between the South Central Mental Illness, Research and Clinical Center (SC MIRECC) and Veterans Health Administration (VHA), Employee Education System (EES). Nationally known speakers from the VA and academia are invited to talk about cutting edge topics & evidence-based practices that address the mental health care needs of rural Veterans. The monthly live meetings are made available to CBOCs and parent facilities in VISN 16 through the VA Knowledge Network. Select programs are archived for delayed viewing. The VA EES provides Continuing Education Credits for a number of healthcare disciplines.

- CPRS View Alert Notification Checklist (PI: Hardeep Singh)

A Checklist to Improve CPRS ‘View Alert’ Notifications: Recommendations for VA Facility Leadership and Staff was developed by the Houston Patient Safety team and a group of subject matter experts to assist VHA facilities in addressing the complexities involved in managing View Alerts. The Checklist provides facility leaders and staff with actionable, practical recommendations in a checklist-based format to ensure that View Alert notifications remain valuable for patient care.

- CTR Toolkit: Communication of Test Results Toolkit (PI: Hardeep Singh)

The Houston Patient Safety team and a VA Workgroup comprised of subject matter experts developed a toolkit that offers practical guidance for facilities and clinical care teams to meet the requirements of VHA Directive 1088 for timely communication of test results to patients. The objectives of the toolkit are to: 1) describe useful practices, example workflows, and processes necessary to implement a safe, effective, and efficient method of timely outpatient test result communication to providers and patients; and 2) provide recommendations for system-level monitoring of outpatient test result communication to patients, and define the parameters and methodology involved in achieving this. Topics addressed include test result follow-up responsibilities, test result categories, CPRS View Alerts, team-based approaches to facilitate test result follow-up, vulnerable areas including handoffs in care, current methods to notify patients and measurement and reporting of test result notification.

- Customized Peer Facility Groups for VISNs (PI : Laura Petersen)

Dr. Laura Petersen’s team created customized peer facility groups for VISNs. These peer facility groups allow Network managers to fairly compare their facilities (often of varying sizes, scopes of service, and missions) to facilities in other Networks. In the past 13 years, 11 VISNs have sought out our team to provide peer facility groups for quality and efficiency comparisons and to help with resource allocation. VISNs 11 and 12 have reported continuous use of the Houston-generated peer groups across their component facilities since 2004.

- EHR Trigger Tool Methodology (PI: Hardeep Singh)

The EHR Trigger Tool Methodology was developed for mining EHR data to detect delays in diagnostic evaluation of cancer. The computerized algorithms and SQL code to mine this data are products of this methodology. This tool is related to the Houston CREATE Project.

- Manualized Motivational Interviewing and Behavioral Health Guides for Chronic Disease Self-Management (PI: Jeff Cully)

A pair of manuals was developed to guide the structure and delivery of a motivational interviewing and behavioral health intervention to improve chronic disease self-management. The manual reviewed by patients guided the content of the group sessions and ensured that materials were easily understood, even for those veterans with limited health literacy. The clinician manual contained the whole of the veteran manual, with specific notations and instructions for leading veterans through the group sessions. Together the manuals provided assurance for successful delivery of and fidelity to the content.

- NLP/ Structured Data Element Integration in EHRs (PI: Salim Virani)

Natural Language Processing (NLP) was applied to the problem of ensuring that patients receive evidence-based medication prescribing for cardiovascular disease. The CREATE 4 project developed a method to incorporate NLP with structured data elements from the electronic health record to provide decision support to clinicians at the point of care. The effectiveness of this method in improving care for lipid disease will be tested in new HSRD IIR that will start in FY 17.

- SAFER Guides (PI: Hardeep Singh)

Dr. Singh's Houston Patient Safety Center team worked with researchers at the University of Texas Health Science Center at Houston's School of Biomedical Informatics as well as researchers at the Oregon Health and Science University, the research corporation Westat, and the Office of the National Coordinator for Health Information Technology (ONC), who sponsored the project, to develop self-assessment guides intended to help organizations proactively detect and reduce patient safety risks associated with electronic health records (EHRs).

This group collaboratively developed and beta tested guides for nine different areas that contain recommended practices for optimizing the safety and use of EHRs. These guides are freely available nationally and are being increasingly used by both organizations and vendors.

- VA Directive 1088 (PI: Hardeep Singh)

The Houston Patient Safety team worked with The Office of Patient Care Services (10P4) to revise the previous directive (VHA Directive 2009-019) to establish policy regarding communication of test results to providers and patients. VHA is committed to the timely communication of test results, which is essential to ensuring safe and effective health care. Timely communication of test results to patients is essential for high quality patient-centered care. Lack of timely follow-up of abnormal test results has been identified as a contributor to poor outcomes and can be a source of considerable anxiety to patients and families. Patient involvement in test result follow-up is fundamental to improve safety in this area and is consistent with personalized proactive patient-driven care. Patients have a right to access personal health information and expect to be notified of test results in a timely manner. Enhancing timeliness of follow-up of test results is consistent with VHA's goals of providing Veterans with quality health care.

- IDENTIFY: Toolkit for Patient Identification (PI: Hardeep Singh)

A Toolkit for the use of health IT in patient identification designed to improve health IT safety. This toolkit is the result of a multi-stakeholder collaborative workgroup chaired by Dr. Hardeep Singh through the Partnership for Health IT Patient Safety. This is the second set of Safe Practice Recommendations for the use of health IT in patient identification designed to improve health IT safety. IDENTIFY stands for: 1) INCLUDE: electronic fields containing patient identification data should consistently use standard identifier conventions; 2) DETECT: use a confirmation process to help match the patient and the documentation; 3) EVALUATE: use standard attributes and attribute formats in all transactions to improve matching; 4) NORMALIZE: use a standard display of patient attributes across the various systems; 5) TAILOR: include distinguishing information enhancing identification on screens printouts, and those areas that require interventions; 6) INNOVATE: integrate new technologies to facilitate and enhance identification; 7) FOLLOW-UP: implement monitoring systems to readily detect identification errors; 8) YIELD: include high-specificity active alerts and notifications to facilitate proper identification.

## AWARDS & HONORS

### AMSPOKER

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

### BADR

- Co-Leader, Cancer Prevention and Population Sciences Program, Dan L. Duncan Cancer Center
- Co-Leader, Cancer Survivorship Disease Oriented Working Group, Dan L Duncan Cancer Center
- Core Member, Head and Neck Disease Oriented Working Group, Dan L Duncan Comprehensive Cancer Center
- Member, Editorial Board, Journal of Psychosocial Oncology
- Member, Scientific Review Group, ZCA1 TCRB-Y (J3) S, Fundamental Mechanisms of Affective and Decisional Processes in Cancer Control
- Member, Editorial Board, Journal of Psychosocial Oncology
- Member, Department of Medicine Appointment and Promotions Committee
- Member, Editorial Board, Journal of Psychosocial Oncology
- Consulting Editor, Journal of Family Psychology
- Member, Editorial Board, Annals of Behavioral Medicine
- Editor, Special Issue, Journal of Psychosocial Oncology, Innovations and Real World Applications of Relationship Research in C
- Member, Scientific Review Group NINR ZNR1 REV-M(34) NINR P20 and P30 Centers Meeting Cancer
- Member, NCI Subcommittee J – Career Development

### BUSH

- Associate Editor, Global Journal of Medicine and Public Health
- Assistant Editor, Journal of Vascular Surgery, Venous and Lymphatics
- Journal Editorial Board, Journal of Vascular Surgery, Cases
- Journal Editorial Board, Women, Identities, and Culture
- Journal Editorial Board, Annals of Vascular Surgery
- Journal Editorial Board, World Journal of Surgery
- Journal Editorial Board, Journal of Vascular Surgery
- Texas Medical Association, Council on Medical Education
- American College of Surgeons, ACS Foundation, Secretary
- American College of Surgeons, ACS Foundation Board of Directors
- American College of Surgeons, ACS Foundation/ CFR Committee

- American Venous Forum, Chair, Education Council
- Association of VA Surgeons, Membership Committee
- Society for Vascular Surgery, Document Oversight Committee
- Vascular and Endovascular Surgery Society, Board of Directors, Foundation for Vascular Innovation
- Assistant Editor, Journal of Vascular Surgery: Venous and Lymphatic Disorders
- Vascular surgery oral examiner, American Board of Surgery
- VA HSR Review Panel, Learning Healthcare Initiative Randomized Program Evaluation
- Assistant Editor, Journal of Vascular Surgery: Venous and Lymphatic Disorders
- Board of Directors, American Venous Forum
- Co-organizer/facilitator, Early Career Venous Specialist Session for American Venous Forum Annual Meeting, Poster session

### DAVILA

- Member, National VA VIREC Steering Committee
- Member, Dan L Duncan Cancer Center
- Member, Biostatistician Recruiting Committee, Dan L Duncan Cancer Center
- Member, National VA HSR&D Service Working Group on Data Access, Storage, and Analysis
- Member, BCM Faculty Research and Fellowship Support Committee
- Member, BCM Faculty Appointments and Promotions Committee
- Director, Design and Analysis Program, Center for AIDS Research (CFAR) BCM
- Editorial Board, World Journal of Gastroenterology
- Editorial Board, World Journal of Clinical Oncology

### GODWIN

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

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

#### **HORSTMAN**

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

#### **HYSONG**

- Member, Baylor College of Medicine Liaison Committee on Medical Education
- Member, Fulbright & Jaworski Faculty Excellence Award Review Committee
- Subject Matter Expert. U.S. Department of Veterans Affairs Modernization, Functional Review Panel
- Subject Matter Expert. VHA Physician Burnout Research Summit
- Associate Director, VA Quality Scholars Coordinating Center
- VA Scientific Merit Review Board (this is an undersecretary level appointment)
- Steering Committee Member. International Audit and Feedback Collaborative Meta-Laboratories
- Executive Advisory Board Member, Career Development Award Enhancement Initiative, Health Services Research and Development
- Review Panel: Annual Meeting of the Society for Industrial/Organizational Psychology – Program Committee
- National Scientific Review Panel: Department of Veterans Affairs Health Services Research and Development Scientific Merit Review Board – member
- Subject Matter Expert, VA Pay-for-Performance Initiative
- Steering Committee Member, International Audit and Feedback Meta-Laboratories
- Norton Rose Fulbright Faculty Excellence Award – Educational Leadership

#### **MARTIN**

- HSR&D Veteran Engagement Workgroup (national workgroup), Department of Veterans Affairs

#### **MEYER**

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

#### **MILLS**

- Member – National Advisory Panel, Suicide Awareness in Veterans Exiting Community Living Centers, Department of Veterans Affairs
- Member – VA Decision Making Capacity Education Planning Group (national workgroup for VA Dementia Steering Committee) Department of Veterans Affairs
- Member, Public Policy Committee, Development Committee, Pioneer Network
- Member – Assessing Stage of Dementia and Decision-Making Capacity Workgroup Department of Veterans Affairs
- Member, Suicide Awareness in Veterans Exiting Community Living Centers National Advisory Panel, Department of Veterans Affairs
- Lead, Community Living Center Research Interest Group, Department of Veterans Affairs
- Member, Caring for Veterans with Serious Mental Illness in CLCs, Department of Veterans Affairs
- Member, Public Policy Committee, Development Committee, Pioneer Network
- Member, Houston Alliance to Address Dementia Leadership Council, Sheltering Arms Senior Services Division, Neighborhood Centers Inc.
- Member Leadership Council Evaluation Work Group, Direct Care Worker of the Year Award Committee, Care for Elders

#### **MURPHY**

- Medical Director, General Internal Medicine at Baylor Clinic
- Member, BCM Faculty Group Practice (FGP) Patient Quality & Safety Committee
- Director, Baylor St. Luke's Medical Group Board of Directors
- Member, BCM Department of Medicine Quality Improvement and Innovations Vice Chair Group
- Member, BCM Faculty Group Practice (FGP) Business Intelligence Committee
- Member, BCM Faculty Group Practice (FGP) Pharmaceutical & Therapeutics (P & T) Committee
- Baylor College of Medicine Quality Improvement and Patient Safety, abstract review

### **NAIK**

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

### **PETERSEN, LAURA**

- Associate Chief of Staff for Research, Michael E. DeBakey VA Medical Center
- Chair, Internal Advisory Committee, CPRIT Training Program, "Cancer Prevention Post-Graduate Training Program in Integrative Epidemiology"
- Member, McNair Campus Steering Committee BCM Clinical Research Work Group
- Member, Boston/Bedford CHOIR VA HSR&D Center of Innovations Steering Committee
- Member, MEDVAMC Dean's Committee (renamed Joint Executive Management Council in 2017)
- Member, MEDVAMC Quality, Safety, and Value (QSV) Board
- Member, Clinical Executive Board, MEDVAMC
- Member, Texas Medical Center Strategic Planning Initiative Steering Committee
- Member, Texas Medical Center Council of Research Directors
- Co-Chair, Texas Medical Center Clinical Research Design Team
- Health Policy Scholar, Center for Medical Ethics and Health Policy, BCM
- Member, Texas Medical Center Women's Leadership Council
- Chief, Health Services Research Section, Department of Medicine, Baylor College of Medicine
- VA HSR&D Quality Enhancement Research Initiative (QUERI) Strategic Advisory (formerly Research and Methodology) Committee
- Member, Association of Specialty Professors (ASP)
- Member, Executive Council, MEDVAMC
- Member, Texas Medical Center Health Policy Institute

- Leader, MEDVAMC Research Value Stream
- Member, BCM Strategic Planning Advisory Committee
- Member, Greater Houston Healthconnect (GHH) Research Committee
- Member, BCM Center of Excellence – Health Equity, Training, and Research Advisory Council
- Invited Technical Expert, Evidence-based Synthesis Program (ESP), "Pay for Performance and Veteran Care: Effects, Implementations, and Unintended Consequences"
- Fellow, American College of Physicians
- Elected Member, American Clinical and Climatological Association (ACCA)
- Elected Member, Association of American Physicians (AAP)
- Member, Selection Committee, 2018 Research Rehabilitation & Development (RR&D) Paul B. Magnuson Award
- Member, BCM Department of Medicine Vice Chair for Research Committee
- Member, Selection Committee, Junior Investigator of the Year Award, Society of General Internal Medicine, 2008 Annual Meeting; 2017 Annual Meeting; 2018 Annual Meeting
- Member, Los Angeles Center for the Study of Healthcare Innovation, Implementation, and Policy (CSHIIP) VA HSR&D Center of Innovations Steering Committee
- Member, Performance Measurement Committee of the American College of Physicians
- VA Under Secretary Award for Outstanding Achievement in Health Services Research, 2018

### **PETERSEN, NANCY**

- Chair, American Statistical Association, Committee on Membership Recruitment and Retention
- Member of abstract selection committee for American Heart Association
- Reviewer for HSRD/QUERI National Conference
- Member of abstract selection committee for American Heart Association

### **SANSIRY**

- Editorial Board Member, Journal of Pharmaceutical Analytics and Insights
- Member, Research & Development Committee, Veterans Affairs Medical Center

## SINGH

- Member, VA Field Research Advisory Committee (FRAC)
- Appointed to the Harris County Medical Society (HCMS) Health Information Technology (HIT) Committee
- Nominated Member, National Quality Forum Improving Diagnostic Accuracy Committee
- Co-Chair, National Quality Forum Committee for Identification and Prioritization of HIT Patient Safety Measures
- Member, Editorial Board, International Journal for Quality in Health Care
- Associate Editor, Diagnosis
- Co-Chair, Closing the Referral Loop Expert Panel, National Patient Safety, Foundation – Institute for Healthcare Improvement, Boston, MA
- Patient Safety Expert of the Year 2017 – Texas award, Corporate Vision Magazine
- HHS Appointed Member, Clinical Laboratory Improvement Advisory Committee (CLIAAC)
- Lead Research Consultant, VHA EPRP Measurement of Communication of Test Results Initiative
- International Journal for Quality in Health Care, Editorial Committee Board
- Steering Committee Member, Center for Health Systems and Safety Research, Australian Institute of Health Innovation, Macquarie University, NHMRC Partnership Project: Delivering Safe and Effective Test Result Communication, Management and Follow-Up
- Editorial Advisory Board, The Joint Commission Journal on Quality and Patient Safety
- International Review Panel for India Alliance Fellowship, The Wellcome Trust/DBT India Alliance

## TRAUTNER

- Ben and Margaret Love Foundation Bobby Alford Award for Academic Clinical Professionalism
- BCM, Director of Clinical Research, Department of Surgery, BCM
- Data Monitoring Committee member for VA Cooperative Studies Program #2004 “Microbiota or Placebo after Antimicrobial Therapy for Recurrent *C. difficile* at Home”
- Invited member of SHEA Public Policy and Government Affairs Committee
- Chair of Review Panel for 2017 Healthcare Innovations Seed Grants, Department of Medicine
- Member, Antimicrobial Stewardship Executive Committee, Houston Health Department
- Norton Rose Fulbright Faculty Excellence Award, Enduring Educational Materials

- Editorial Board Member, Journal of Surgical Research
- NIH NIDDK ZRG1 DKUS-R 90 study section (urology)

## WHITE

- American Public Health Association, Epidemiology Section, National Research Meeting (Abstract reviewer)
- Texas Medical Center Digestive Diseases Center (DDC) at Baylor College of Medicine, Member (elected), NIDDK P30 site
- Dan L. Duncan Cancer Center at Baylor College of Medicine, Member (elected), NCI P30 site
- Center Translational Research in Inflammatory Disease (CTRID) at the Michael E. DeBakey VA Medical Center, Associate Member (elected)
- BMC Gastroenterology (Ad hoc reviewer)
- Grant Reviewer, Pilot Research Grants, Dept. of Surgery, Michael E. DeBakey VA

## WOODARD

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

## RESEARCH FUNDING

- **N. E. Hundt, PhD** - Awardee, Houston. Integration of Peer Support Across the PTSD Continuum of Care. HSR&D. CDA 13-264. 10/1/2015-9/30/2020. Career Award. \$269,100
- **L. A. Petersen, MD, MPH** - Center Director, Houston. Center for Innovations in Quality, Effectiveness and Safety (IQUES). HSR&D. CIN 13-413. 10/1/2013-9/30/2018. Note: Funding renewed for another five years beginning 10/1/2018. HSR&D Core Funding. \$2,166,300
- **H. Singh MD MPH** - PI, Houston G. J. Chen PhD MD MPH - Co-Investigator, Houston A. Meyer PhD - Co-Investigator, Houston D. Murphy MD - Co-Investigator, Houston M. W. Smith PhD - Co-Investigator, Houston N. J. Petersen PhD - Biostatistician, Houston. Automated Point-of-Care Surveillance of Outpatient Delays in Cancer Diagnosis. HSR&D. CRE 12-033. 6/1/2013-9/30/2017. Data Collection. \$1,025,600
- **L. A. Petersen MD MPH** - PI, Houston S. J. Hysong PhD MA BA - Co-PI, Houston A. Amspoker PhD - Biostatistician, Houston. Identifying and Delivering Point-of-care Information to Improve Care Coordination. HSR&D. CRE 12-035. 4/1/2013-9/30/2019. Data Collection. \$864,672
- **N. J. Petersen PhD** - Co-Investigator, Houston. Adapting and Implementing the Blended Collaborative Care Model in CBOCs. HSR&D. CRE 12-310. 4/1/2016-9/30/2019. Data Collection. \$7,952
- **M. Kauth PhD** - Co-Investigator, Houston J. A. Lindsay PhD - Co-Investigator, Houston. A Computer-Assisted Cognitive Behavioral Therapy Tool to Enhance Fidelity in CBO. HSR&D. CRE 12-314. 7/1/2015-6/30/2018. Data Collection. \$62,582

- **L. D. Woodard MD MPH** - PI, Houston N. E. Hundt PhD - Co-Investigator, Houston A. D. Naik MD BA - Co-Investigator, Houston R. Street PhD MA - Co-Investigator, Houston A. Amspoker PhD - Biostatistician, Houston. Point-of-care health literacy and activation information to improve diabetes care. HSR&D. CRE 12-426. 3/1/2014-5/31/2018. Data Collection. \$872,300
- **S. J. Hysong PhD MA BA** - PI, Houston A. D. Naik MD BA - Co-Investigator, Houston L. D. Woodard MD MPH - Co-Investigator, Houston A. Amspoker PhD - Biostatistician, Houston. Linking Clinician Interaction and Coordination to Clinical Performance in VA PACT. HSR&D. IIR 12-383. 4/1/2014-9/30/2017. Data Collection. \$664,050
- **B. Trautner MD** - Co-Investigator, Houston. Identifying and Reducing Catheter-Related Complications. HSR&D. IIR 12-395. 7/1/2014-3/31/2018. Data Collection. \$329,975
- **J. Cully PhD MEd** - PI, Houston T. L. Barrera PhD - Co-Investigator, Houston N. E. Hundt PhD - Co-Investigator, Houston M. Kauth PhD - Co-Investigator, Houston M. E. Kunik MD MPH - Co-Investigator, Houston L. Martin PhD - Co-Investigator, Houston M. A. Stanley PhD - Co-Investigator, Houston N. J. Petersen PhD - Biostatistician, Houston. Effectiveness and Implementation of Brief Cognitive Behavioral Therapy in CBOCs. HSR&D. IIR 13-315. 5/1/2015-4/30/2019. Data Collection. \$607,333
- **J. Davila PhD MS BS** - PI, Houston T. P. Giordano MD MPH - Co-Investigator, Houston F. Kanwal MBBS MD - Co-Investigator, Houston L. Martin PhD - Co-Investigator, Houston A. D. Naik MD BA - Co-Investigator, Houston S. Sansgiry PhD - Co-Investigator, Houston P. A. Richardson PhD MS BA - Biostatistician, Houston. A multi-level intervention to improve cancer care for hepatocellular carcinoma. HSR&D. IIR 14-101. 10/1/2015-9/30/2019. Data Collection. \$467,000
- **P. Kougias MD MSc** - Co-Investigator, Houston. Alignment of Treatment Preferences and Repair Type for Veterans with AAA. HSR&D. IIR 15-085. 5/1/2017-4/30/2021. Data Collection. \$3,216
- **S. Virani MD** - PI, Houston. Determining and targeting reasons for low statin use to improve guideline-concordant statin therapy in high-risk patients. HSR&D. IIR 16-072. 7/1/2017-6/30/2021. Start up Activities. \$38,309
- **J. A. Anderson PhD NP** - Co-Investigator, Houston K. Godwin PhD MPH BS - Consultant, Houston. Telephone Assessment and Skill-Building Intervention for Informal Caregivers. HSR&D. NRI 12-415. 10/1/2012-9/30/2018. Data Collection. \$186,528
- **J. Cully PhD MEd** - Co-Investigator, Houston S. Sansgiry PhD - Co-Investigator, Houston. Brief Psychotherapy for Depression in Primary Care: Identifying Successful Clinical Practices. HSR&D. PPO 16-106. 7/1/2017-6/30/2018. Start-Up Activities. \$4,516
- **L. A. Petersen MD MPH** - Director, Houston. Training Program for Fellows (post Ph.D.s) at Houston COIN. HSR&D. TPP 97-004. 10/1/1996-9/30/2017. Supplemental Funding. \$47,558
- **L. A. Petersen MD MPH** - Director, Houston. Post Resident Training Program. HSR&D. TPR 06-101. 3/1/2006-9/30/2017. Supplemental Funding. \$28,382
- **H. Singh MD MPH** - Awardee, Houston. Presidential Early Career Award for Scientists and Engineers. HSR&D. USA 14-274. 1/1/2014-12/31/2018. Career Award. \$75,000
- **L. A. Petersen MD MPH** - Center Director, Houston A. MC - Co-Investigator, Reno. ADMINISTRATIVE AND TRAVEL REIMBURSEMENTS - Field Based Science Advisors (FBSAs). HSR&D. 1/1/2000-9/30/2020. Administrative Funding. \$24,432
- **H. Badr, PhD** - Principal Investigator, Houston. Psychosocial Intervention for Advanced Lung Cancer Patients and Caregivers. ACS. RSG 15-058. 7/1/2015-6/30/2019. Data Collection. \$792,000
- **H. Badr, PhD** - Principal Investigator, Houston. A Psychosocial Intervention for the Caregivers of Advanced Lung Cancer Patients. NIH R01. CA 187143. 9/1/2014-8/31/2019. Data Collection. \$2,473,983
- **H. Badr, PhD** - Principal Investigator, Houston. Using Implementation Science to Guide Survivorship Care Planning Efforts. DDCC. 6/1/2018-5/30/2019. Data Collection. \$50,000
- **K. Godwin, PhD** - Principal Investigator, Houston. Leading Healthcare Improvement: Leadership Training for Applying Improvement Strategies, start-up funding. QUERI. QIS 18-201. 6/1/2018-9/30/2018. Data Collection. \$56,275
- **M. Horstman, MD** - Principal Investigator, Houston. Optimizing Patient-Initiated Post-Discharge Care for Patients with Heart Failure. AHA. 17MCPRP33390011. 1/1/2017-12/31/2018. Data Collection. \$70,000
- **A. Naik, MD** - Principal Investigator, Houston. Patient Priorities Care Pilot Study. VA GEC. 10/1/2017-9/30/2018. Data Collection. \$100,000
- **A. Naik, MD** - Principal Investigator, Houston. Integrating Patient Priorities Care and Social Work Case Management. VA ORH OSW. 10/1/2017-9/30/2018. Data Collection. \$230,000
- **A. Naik, MD** - Principal Investigator, Houston. Coordinating Center for the VA Quality Scholars Program. VA OAA. 7/1/2014-9/30/2019. Fellowship. \$345,000
- **F. Kanwal, MD** - Co-Principal Investigator, Houston; A. Naik, MD - Co-Principal Investigator, Houston. Patient Centered Approach to Advanced Liver Disease. HSR&D. HX 16-075. 5/1/2018-4/30/2021. Data Collection. \$980,000
- **A. Naik, MD** - Principal Investigator, Houston. Point-of-care health literacy and activation information to improve diabetes care. VA CREATE. CRE 12-426. 3/1/2014-2/28/2018. Data Collection. \$273,700
- **A. Naik, MD** - Principal Investigator, Houston. Primary Specialty Care Redesign (Carealign) Implementation. Hartford Foundation. 1/1/2015-10/1/2018. Data Collection. \$108,806

- **A. Naik, MD** - Principal Investigator, Houston. Improving Veteran Transitions from VA Community living Centers to the Community. VA CDA. IK2RX001241. 7/1/2014-6/30/2019. Data Collection
- **A. Naik, MD** - Principal Investigator, Houston. VA Advanced Fellowships in HSR. VA OAA. 10/1/2013 - 9/30/2018. Data Collection. \$339,000
- **A. Naik, MD** - Principal Investigator, Houston. Houston BD-STEP program. VA OAA/NCI. 10/1/2015-9/30/2017. Fellowship. \$180,000
- **N. Massarweh MD** – Principal Investigator; L. Petersen, MD, MPH - Co- Investigator; P. Richardson, PhD - Co-Investigator. Comparative Effectiveness of Alternative Strategies for Monitoring Hospital Surgical Performance. HSR&D. HX 17-066. 5/1/2017-4/30/2020. Data Collection. \$407,802
- **S. Virani, MD, PhD** – Principal Investigator; L. Martin, PhD - Co- Investigator; L. Petersen, MD, MPH - Co- Investigator; P. Richardson, PhD - Co-Investigator; R. Street, PhD - Co-Investigator. Determining and targeting reasons for low statin use to improve guideline- concordant statin therapy in high-risk patients. HSR&D. HX 16-072. 7/1/2017-6/30/2021. Data Collection. \$1,097,703
- **L. Petersen, MD, MPH** - Principal Investigator; S. Hysong, PhD - Co-Investigator. Improving the Measurement of VA Facility Performance to Foster a Learning Healthcare System. HSR&D. HX 15-438. 6/1/2017-8/31/2020. Data Collection. \$1,099,174
- **B. Trautner, MD, PhD** – Principal Investigator; L. Petersen, MD, MPH - Co- Investigator; S. Hysong, PhD - Co-Investigator; J. Kramer, PhD - Co-Investigator; A. Naik, MD - Co-Investigator. Less is More: Improving Antimicrobial Stewardship for Asymptomatic Bacteriuria. HSR&D. HX-16-025. 2/1/2018-1/31/2019. Data Collection. \$1,095,924
- **J. Davila PhD MS BS** - Co- Investigator. Optimizing Alpha-fetoprotein as a Biomarker for Detecting Hepatocellular Carcinoma. NIH NCI R01. R01. 4/1/2015-3/31/2019. Data Collection. \$1,200,000
- **J. Davila PhD MS BS** - Principal Investigator. A Multi-level Intervention to Improve Cancer Care for Hepatocellular Carcinoma. HSR&D. 10/1/2015-9/30/2019. Data Collection. \$1,997,000
- **J. Davila PhD MS BS** - Co- Director. National Cancer Institute/ Department of Veterans Affairs Big Data Fellowship in Cancer Research. NCI/VA. 10/1/2015-9/30/2018. Fellowship. \$40,000
- **J. Davila PhD MS BS** - Principal Investigator. QUERI-OAA Centers of Excellence in Primary Care Training Program: Participant Survey. VA QUERI OAA. 10/1/2014-9/30/2018. Fellowship. \$50,000
- **J. Kramer, PhD** - Co-PI. Effectiveness of Zepatier™ (elbasvir (EBR)/grazoprevir (GZR)) co-administered with Ribavirin (RBV) treatment for 16 weeks duration in chronic hepatitis C virus (HCV) genotype 1a (GT1a)-infected patients with selected baseline NS5A resistance associated substitutions: A retrospective observational analysis of the US Veterans Health Administration (VHA) National Data. Merck & Co. 1/1/2018-12/31/2018. Data Collection. \$261,903
- **D. White, PhD** - Principal Investigator. Sex hormones and HCV- related liver disease progression. VA CSR&D. CX 001430. 7/1/2017-6/1/2021. Data Collection. \$950,000
- **D. White, PhD** - Co-Investigator. Identifying Novel Pharmacologic Risk factors for Common Malignancies In Individuals with Well-controlled HIV Infection (PQ3). NCI R01. CA 206479. 7/1/2016-6/31/2020. Data Collection. \$1,968,930
- **D. White, PhD** - Co-Investigator. The Texas Hepatocellular consortium (THCCC). CPRIT. RP 150587. 6/1/2015-5/1/2020. Data Collection. \$9,771,157
- **D. White, PhD** - Co-Investigator. A New Lab Based Algorithm for HCC Surveillance in Patients with Cirrhosis. NCI R01. CA 190776. 1/1/2015-12/1/2019. Data Collection. \$1,793,421
- **T. Giardina, PhD** – Principal Investigator; H. Singh, MD – Co-Investigator. Engaging Patients in Diagnostic Error Reporting. AHRQ K01. HS 025474. 9/1/2018-8/31/2023. Data Collection. \$766,326

## PUBLICATIONS & PRESS

- Arney J, **Naik A**, **Woodard L**, et al. Qualitative findings on building a partnered approach to implementation of a group-based diabetes intervention in VA primary care. *BMJ Open*. 2018 Jan 21;8(1):e018093
- Arya M, Huang A, **Street R Jr**, Giordano T, et al. The Promise of Patient-Centered Text Messages for Encouraging HIV Testing in an Underserved Population. *J Assoc Nurses AIDS Care*. 2018 Jan-Feb;29(1):101-106
- Arya M, Marek H, **Street R Jr**, Giordano T, et al. Development and Evaluation of a Physician-Targeted Video to Promote HIV Screening. *Health Promot Pract*. 2018 Jun 1:1524839918783742. [Epub ahead of print]
- **Badr H**. Author’s response to Porter and Keefe letter to the editor regarding ‘new frontiers in couple-based interventions in cancer care: refining the prescription for spousal communication’. *Acta Oncol*. 2018 May;57(5):695-697
- **Badr H**, Lipnick D, Gupta V, Miles B. Survivorship Challenges and Information Needs after Radiotherapy for Oral Cancer. *J Cancer Educ*. 2017 Dec;32(4):799-807
- Baldwin J, **Singh H**, **Giardina T**, et al. Patient portals and health apps: Pitfalls, promises, and what one might learn from the other. *Healthc (Amst)*. 2017 Sep;5(3):81-85

- Bamonti P, Moye J, **Naik A**. Pain is associated with continuing depression in cancer survivors. *Psychol Health Med*. 2018 Jun 14;1-14
- Barbieri A, Fadzare O, **Singh H**, et al. Challenges in Communication from Referring Clinicians to Pathologists in the Electronic Health Record Era. *J Pathol Inform*. 2018 Apr 2;9:8
- Barrera T, McIngvale E, Lindsay J, **Walder A**. Obsessive-compulsive disorder in the Veterans Health Administration. *Psychol Serv*. 2018 May 24. [Epub ahead of print]
- Bhise V, **Meyer A**, **Street R Jr**, **Giardina T**, **Singh H**. Patient perspectives on how physicians communicate diagnostic uncertainty: An experimental vignette study. *Int J Qual Health Care*. 2018 Feb 1;30(1):2-8
- **Meyer A**, **Singh H**, **Murphy D**, et al. Errors in Diagnosis of Spinal Epidural Abscesses in the Era of Electronic Health Records. *Am J Med*. 2017 Aug;130(8):975-981
- Bhise V, Rajan SS, Sittig DF, Morgan RO, Chaudhary P, **Singh H**. Defining and Measuring Diagnostic Uncertainty in Medicine: A Systematic Review. *J Gen Intern Med*. 2018 Jan;33(1):103-115
- Bhise V, Rajan S, **Singh H**, et al. Electronic health record reviews to measure diagnostic uncertainty in primary care. *J Eval Clin Pract*. 2018 Jun;24(3):545-551
- Bhise V, Sittig D, **Singh H**, et al. An electronic trigger based on care escalation to identify preventable adverse events in hospitalised patients. *BMJ Qual Saf*. 2018 Mar;27(3):241-246
- Biggerstaff K, **Kramer J**, **White D**, et al. Validity of code based algorithms to identify primary open angle glaucoma (POAG) in Veterans Affairs (VA) administrative databases. *Ophthalmic Epidemiol*. 2018 Apr;25(2):162-168
- **Bush R**, Jordan W Jr. Angioplasty and Stenting for Aortoiliac Disease: Technique and Results. 2018 March 1. Rutherford's Vascular Surgery 9th Edition
- Chopra V, Harrod M, **Singh H**, et al. Focused Ethnography of Diagnosis in Academic Medical Centers. *J Hosp Med*. 2018 Apr 25. [Epub ahead of print]
- Cortes-Penfield N, **Trautner B**, Jump RLP. Urinary Tract Infection and Asymptomatic Bacteriuria in Older Adults. *Infect Dis Clin North Am*. 2017 Dec;31(4):673-688
- Duron J, **Giardina T**. Teaching philosophies and practices in social work education: do the core competencies influence our consciousness? *Social Work Education*. 2018 Mar. DOI: 10.1080/02615479.2018.1450371
- Flash C, Frost E, **Cully J**, et al. HIV Pre-exposure Prophylaxis Program Implementation Using Intervention Mapping. *Am J Prev Med*. 2018 Apr;54(4):519-529
- Fraenkel L, Stolar M, **Street R Jr**, et al. Variability in Affect and Willingness to Take Medication. *Med Decis Making*. 2018 Jan;38(1):34-43
- **Giardina T**, Baldwin J, Nystrom D, Sittig D, **Singh H**. Patient perceptions of receiving test results via online portals: a mixed-methods study. *J Am Med Inform Assoc*. 2018 Apr 1;25(4):440-446
- **Hysong S**, **Woodard L**, **Naik A**, et al. Evaluation of a Distance Learning Curriculum for Interprofessional Quality Improvement Leaders. *Am J Med Qual*. 2018 Mar 1:1062860618765661. [Epub ahead of print]
- Gregory M, Russo E, **Singh H**. Electronic Health Record Alert-Related Workload as a Predictor of Burnout in Primary Care Providers. *Appl Clin Inform*. 2017 Jul 5;8(3):686-697
- Grigoryan L, Zoorob R, Shah J, Wang H, Arya M, **Trautner B**. Antibiotic Prescribing for Uncomplicated Acute Bronchitis Is Highest in Younger Adults. *Antibiotics (Basel)*. 2017 Oct 27;6(4)
- Gupta K, Grigoryan L, **Trautner B**. Urinary Tract Infection. *Ann Intern Med*. 2017 Oct 3;167(7):ITC49-ITC64
- Han A, **Kunik M**. Feasibility of Training and Delivering Compassionate Touch in Long-Term Care. *Clin Gerontol*. 2017 Sep 19:1-9. [Epub ahead of print]
- Hartmann C, Palmer J, **Mills W**, et al. Adaptation of a nursing home culture change research instrument for frontline staff quality improvement use. *Psychol Serv*. 2017 Aug;14(3):337-346
- **Horstman M**, Spiegelman A, **Naik A**, **Trautner B**. Urine Culture on Admission Impacts Antibiotic Use and Length of Stay: A Retrospective Cohort Study. *Infect Control Hosp Epidemiol*. 2018 May;39(5):547-554
- **Hortsman M**, Spiegelman A, **Naik A**, **Trautner B**. National Patterns of Urine Testing During Inpatient Admission. *Clin Infect Dis*. 2017 Oct 1;65(7):1199-1205
- **Hortsman M**, Spiegelman A, **Naik A**, **Trautner B**. Reply to Puig-Asensio et al. *Clin Infect Dis*. 2018 May 2;66(10):1647-1648
- Hundt N, Helm A, Smith T, Lamkin J, **Cully J**, Stanley M. Failure to Engage: A Qualitative Study of Veterans Who Decline Evidence-Based Psychotherapies for PTSD. *Psychol Serv*. 2017 Dec 21. [Epub ahead of print]
- **Hysong S**, Smitham K, **Amspoker A**, et al. Mental models of audit and feedback in primary care settings. *Implement Sci*. 2018 May 30;13(1):73
- **Hysong S**, SoRelle R, Broussard K, **Petersen L**. Reports of unintended consequences of financial incentives to improve management of hypertension. *PLoS One*. 2017 Sep 21;12(9):e0184856
- Jacobs R, Groth S, **Petersen L**, et al. Potential Impact of "Take the Volume Pledge" on Access and Outcomes for Gastrointestinal Cancer Surgery. *Ann Surg*. 2018 Apr 24. [Epub ahead of print]
- Jiang S, **Street R Jr**. The effects of patient-centered communication, social capital, and internet use on patient empowerment: a cross-sectional study in China. *Glob Health Promot*. 2018 Mar. [Epub ahead of print]

- Jiao L, **White D, Richardson P**, et al. Low-fat Dietary Pattern and Pancreatic Cancer Risk in the Women's Health Initiative Dietary Modification Randomized Controlled Trial. *J Natl Cancer Inst.* 2018 Jan 1;110(1)
- Kanwal F, Tansel A, **Kramer JR**, et al. Trends in 30-Day and 1-Year Mortality Among Patients Hospitalized With Cirrhosis From 2004 to 2013. *Am J Gastroenterol.* 2017 Aug;112(8):1287-1297
- Kourkoupetis T, **Royse K**, Chen L, et al. Differential Expression of Tight Junctions and Cell Polarity Genes in Human Colon Cancer. *Explor Res Hypoth Med.* 2018 Apr 1;3:14-19
- **Kramer J**, El-Serag H, **White D**, et al. Hepatitis C virus-related complications are increasing in women veterans: A national cohort study. *J Viral Hepat.* 2017 Nov;24(11):955-965
- **Kramer J**, Puenpatom A, Erickson K, et al. Real-world effectiveness of elbasvir/grazoprevir In HCV-infected patients in the US veterans affairs healthcare system. *J Viral Hepat.* 2018 May 31. [Epub ahead of print]
- Kwan J, **Singh H**. General Internists in Pursuit of Diagnostic Excellence in Primary Care: a #ProudtobeGIM Thread That Unites Us All. *J Gen Intern Med.* 2018 Apr;33(4):395-396
- Lin M, **Kramer J, White D**, et al. Barriers to hepatitis C treatment in the era of direct-acting anti-viral agents. *Aliment Pharmacol Ther.* 2017 Nov;46(10):992-1000
- Lindsay J, **Martin L, White D**, et al. Implementing Video to Home to Increase Access to Evidence-Based Psychotherapy for Rural Veterans. *J Technol Behav Sci.* 2017 Nov. <https://doi.org/10.1007/s411347-017-0032-4>
- Lyratzopoulos G, Mendonca S, **Singh H**, et al. Associations between diagnostic activity and measures of patient experience in primary care: a cross-sectional ecological study of English general practices. *Br J Gen Pract.* 2018 Jan;68(666):e9-e17
- Ma L, Green SL, **Trautner B**, et al. Metals Enhance the Killing of Bacteria by Bacteriophage in Human Blood. *Sci Rep.* 2018 Feb 2;8(1):2326
- Mapakshi S, **Kramer J, Richardson P**, et al. Positive Predictive Value of International Classification of Diseases, 10th Revision, Codes for Cirrhosis and Its Related Complications. *Clin Gastroenterol Hepatol.* 2018 Feb 1. [Epub ahead of print]
- McBride C, **Bush R, Petersen L**, et al. Statin prescription rates and their facility-level variation in patients with peripheral artery disease and ischemic cerebrovascular disease: Insights from the Department of Veterans Affairs. *Vasc Med.* 2018 Jun;23(3):232-240
- **Martin L, Naik A, Cully J**, et al. "I had to somehow still be flexible": exploring adaptations during implementation of brief cognitive behavioral therapy in primary care. *Implement Sci.* 2018 Jun 5;13(1):76
- Miles S, Harik J, **Cully J**, et al. Delivery of mental health treatment to combat veterans with psychiatric diagnoses and TBI histories. *PLoS One.* 2017 Sep 8;12(9):e0184265
- **Petersen N, Naik A, Cully J**, et al. The Role of Affect and Coping in Diabetes Self-Management in Rural Adults with Uncontrolled Diabetes and Depressive Symptoms. *J Clin Psychol Med Settings.* 2018 Mar;25(1):55-65
- Mittal S, **Kramer J, Richardson P**, et al. Role of Age and Race in the Risk of Hepatocellular Carcinoma in Veterans With Hepatitis B Virus Infection. *Clin Gastroenterol Hepatol.* 2018 Feb;16(2):252-259
- Mody L, Greene M, **Trautner B**, et al. Comparing Catheter-Associated Urinary Tract Infection Prevention Programs Between Veterans Affairs Nursing Homes and Non-Veterans Affairs Nursing Homes. *Infect Control Hosp Epidemiol.* 2017 Mar;38(3):287-293
- Molinari V, Hobday J, **Kunik M**, et al. Impact of serious mental illness online training for certified nursing assistants in long term care. *Gerontol Geriatr Educ.* 2017 Oct-Dec;38(4):359-374
- Moyer J, Jahn A, **Naik AD**, et al. Making meaning of cancer: A qualitative analysis of oral-digestive cancer survivors' reflections. *J Health Psychol.* 2018 Jan 1:1359105317753717. [Epub ahead of print]
- **Murphy D, Meyer A, Singh H**, et al. Development and Validation of Trigger Algorithms to Identify Delays in Diagnostic Evaluation of Gastroenterological Cancer. *Clin Gastroenterol Hepatol.* 2018 Jan;16(1):90-98
- **Murphy D, Meyer A, Singh H**, et al. Electronic Triggers to Identify Delays in Follow-Up of Mammography: Harnessing the Power of Big Data in Health Care. *J Am Coll Radiol.* 2018 Feb;15(2):287-295
- **Naik A**, El-Serag H. Endoscopic ablation of low-grade dysplasia in Barrett's esophagus: Have all the boxes been checked for us to move on? *Gastrointest Endosc.* 2017 Jul;86(1):130-132
- **Naik A, Horstman M, Mills WL, Trautner BW**, et al. User-centered design of discharge warnings tool for colorectal surgery patients. *J Am Med Inform Assoc.* 2017 Sep 1;24(5):975-980
- Nystrom D, **Singh H, Giardina T**, et al. Methods for Patient-Centered Interface Design of Test Result Display in Online Portals. *eGEMs.* 2018 Jun. 6(1):15
- Ohlemacher S, Giblin D, **Trautner B**, et al. Enterobacteria secrete an inhibitor of Pseudomonas virulence during clinical bacteriuria. *J Clin Invest.* 2017 Nov 1;127(11):4018-4030
- Olson A, Graber M, **Singh H**. Tracking Progress in Improving Diagnosis: A Framework for Defining Undesirable Diagnostic Events. *J Gen Intern Med.* 2018 Jul;33(7):1187-1191
- Oxhandler H, **Giardina T**. Social Workers' Perceived Barriers to and Sources of Support for Integrating Clients' Religion and Spirituality in Practice. *Soc Work.* 2017 Oct 1;62(4):323-332
- Pickens S, **Naik A, Catic A, Kunik M**. Dementia and Hospital Readmission Rates: A Systematic Review. *Dement Geriatr Cogn Dis Extra.* 2017 Oct 19;7(3):346-353

- Ratcliff C, **Naik A, Martin L**, Moye JA. Examining cancer survivorship trajectories: Exploring the intersection between qualitative illness narratives and quantitative screening instruments. *Palliat Support Care*. 2017 Dec 28;1-7
- **Petersen N, Sansgiry S, Kunik M, Cully J**, et al. Recognition of anxiety, depression, and PTSD in patients with COPD and CHF: Who gets missed? *Gen Hosp Psychiatry*. 2017 Jul;47:61-67
- **Naik A, Horstman M, Kunik M**, et al. Wearable Sensors and the Assessment of Frailty among Vulnerable Older Adults: An Observational Cohort Study. *Sensors (Basel)*. 2018 Apr 26;18(5)
- Redman J, Natarajan Y, **Kramer J**, et al. Accurate Identification of Fatty Liver Disease in Data Warehouse Utilizing Natural Language Processing. *Dig Dis Sci*. 2017 Oct;62(10):2713-2718
- Rehman H, Akeroyd J, **Petersen L**, et al. Facility-level variation in diabetes and blood pressure control in patients with diabetes: Findings from the Veterans Affairs national database. *Clin Cardiol*. 2017 Nov;40(11):1055-1060
- Renn B, Asghar-Ali A, **Kunik M**, et al. A Systematic Review of Practice Guidelines and Recommendations for Discontinuation of Cholinesterase Inhibitors in Dementia. *Am J Geriatr Psychiatry*. 2018 Feb;26(2):134-147
- **Petersen N, Kunik M, Cully J**, et al. Integrated Brief Cognitive Behavioral Therapy Improves Illness Intrusiveness in Veterans With Chronic Obstructive Pulmonary Disease. *Ann Behav Med*. 2018 Jul 13;52(8):686-696
- Richards K, **Murphy D, Singh H**, et al. Diagnostic evaluation of patients presenting with hematuria: An electronic health record-based study. *Urol Oncol*. 2018 Mar;36(3):88.e19-88.e25
- Rinke M, **Singh H**, Heo M, et al. Diagnostic Errors in Primary Care Pediatrics: Project RedDE. *Acad Pediatr*. 2018 Mar;18(2):220-227
- **Royse K**, El-Serag H, **White D**, et al. Sleep Duration and Risk of Liver Cancer in Postmenopausal Women: The Women's Health Initiative Study. *J Womens Health (Larchmt)*. 2017 Dec;26(12):1270-1277
- Scherr C, Dean M, **Street R Jr**, et al. A Research Agenda for Communication Scholars in the Precision Medicine Era. *J Health Commun*. 2017 Oct;22(10):839-848
- Scott A, Sanderson C, **Naik A**, et al. Constructing post-surgical discharge instructions through a Delphi consensus methodology. *Patient Educ Couns*. 2018 May;101(5):917-925
- **Kramer J, Richardson P, Sansgiry S**, et al. Hepatitis B Virus Screening and Reactivation in a National VA Cohort of Patients with Inflammatory Bowel Disease Treated with Tumor Necrosis Factor Antagonists. *Dig Dis Sci*. 2018 Jun;63(6):1551-1557
- Shah T, **Meyer A, Singh H**, et al. Impact of a national QI programme on reducing electronic health record notifications to clinicians. *BMJ Qual Saf*. 2018 Mar 5. pii: bmjqs- 2017-007447. [Epub ahead of print]
- Shay L, Baldwin A, **Street R Jr**, et al. Parent-Provider Communication of HPV Vaccine Hesitancy. *Pediatrics*. 2018 Jun;141(6)
- **Singh H**, Ting D. Closing the Loop. A Guide to Safer Ambulatory Referrals in the EHR Era. Institute for Healthcare Improvement. 2017 Nov
- **Singh H**, Sittig D. Frustrated with Your EHR? Don't Blame Your Vendor — Safety Is a Shared Responsibility. *NEJM Catalyst*. 2017 Dec.
- Sittig D, Belmont E, **Singh H**. Improving the safety of health information technology requires shared responsibility: It is time we all step up. *Healthc (Amst)*. 2018 Mar;6(1):7-12
- Sittig D, **Singh H**. SAFER electronic health records: safety assurance factors for EHR resilience. Library of Congress. 2017 Jul. ISBN 9781771881173
- Sittig D, **Singh H**. Toward More Proactive Approaches to Safety in the Electronic Health Record Era. *Jt Comm J Qual Patient Saf*. 2017 Oct;43(10):540-547
- Skelton F, Grigoryan L, **Trautner B**, et al. Routine Urine Testing at the Spinal Cord Injury Annual Evaluation Leads to Unnecessary Antibiotic Use: A Pilot Study and Future Directions. *Arch Phys Med Rehabil*. 2018 Feb;99(2):219-225
- Skelton F, Suda K, Evans C, **Trautner B**. Effective antibiotic stewardship in spinal cord injury: Challenges and a way forward. *J Spinal Cord Med*. 2018 Jan 11:1-4
- Smith M, Brown C, **Petersen L**, et al. Incorporating Guideline Adherence and Practice Implementation Issues into the Design of Decision Support for Beta-Blocker Titration for Heart Failure. *Appl Clin Inform*. 2018 Apr;9(2):478-489
- Smith M, **Giardina T, Singh H**, et al. Test results management and distributed cognition in electronic health record-enabled primary care. *Health Informatics J*. 2018 Jun 1:1460458218779114. [Epub ahead of print]
- Spezia-Lindner N, Mitre V, **Kunik M**. El Intercambio Cultural - A Hispanic Culture and Language Immersion Project in a Nursing Home. *J Am Med Dir Assoc*. 2018 Mar;19(3):272-273
- Stephenson E, DeLongis A, Bruel B, **Badr H**. Outpatient Pain Medication Use: An Electronic Daily Diary Study in Metastatic Breast Cancer. *J Pain Symptom Manage*. 2018 Apr;55(4):1131-1137
- **Street R Jr**, Liu L, Farber N, et al. Keystrokes, Mouse Clicks, and Gazing at the Computer: How Physician Interaction with the EHR Affects Patient Participation. *J Gen Intern Med*. 2018 Apr;33(4):423-428
- **Richardson P, White D, Davila J**, et al. Evaluating screening approaches for hepatocellular carcinoma in a cohort of HCV related cirrhosis patients from the Veteran's Affairs Health Care System. *BMC Med Res Methodol*. 2018 Jan 4;18(1):1

- **Sansgiry S, Petersen N, Kunik M, Naik A, Cully J**, et al. Cognitive and Perceptual Factors, Not Disease Severity, Are Linked with Anxiety in COPD: Results from a Cross-Sectional Study. *Int J Behav Med*. 2018 Feb;25(1):74-84
- **Amspoker A, Naik A, Woodard L, Hysong S**, et al. A Systematic Literature Review of Instruments to Measure Coordination. *J Healthc Manag*. 2018 May-Jun;63(3):e1-e18
- **Trautner B**. Fluoroquinolones for urinary tract infection and within-household spread of resistant Enterobacteriaceae: the smoking gun. *Clin Microbiol Infect*. 2018 Apr 9. [Epub ahead of print]
- **Trautner B**. Lessons From a Year With Breast Cancer: An Academic Physician's Perspective. *Ann Intern Med*. 2018 Mar 20;168(6):448-449
- **Trautner B**. Walking the Dividing Line: The Challenges of Being a Doctor-Patient. *J Clin Oncol*. 2018 Apr 10;36(11):1173-1174
- **Trautner B, Hysong S, Kramer J, Petersen N, Naik A**, et al. Protocol to disseminate a hospital-site controlled intervention using audit and feedback to implement guidelines concerning inappropriate treatment of asymptomatic bacteriuria. *Implement Sci*. 2018 Jan 19;13(1):16
- Tulskey J, Beach M, **Street R Jr**, et al. A Research Agenda for Communication Between Health Care Professionals and Patients Living With Serious Illness. *JAMA Intern Med*. 2017 Sep 1;177(9):1361-1366
- Virani S, Akeroyd J, **Petersen L**, et al. Health Care Resource Utilization for Outpatient Cardiovascular Disease and Diabetes Care Delivery Among Advanced Practice Providers and Physician Providers in Primary Care. *Popul Health Manag*. 2018 Jun;21(3):209-216
- Virani S, Kennedy K, **Petersen L**, et al. Variation in Lipid-Lowering Therapy Use in Patients With Low-Density Lipoprotein Cholesterol  $\geq 190$  mg/dL: Insights From the National Cardiovascular Data Registry-Practice Innovation and Clinical Excellence Registry. *Circ Cardiovasc Qual Outcomes*. 2018 May;11(5):e004652
- Weaver S, Che X, **Petersen L, Hysong S**. Unpacking Care Coordination Through a Multiteam System Lens: A Conceptual Framework and Systematic Review. *Med Care*. 2018 Mar;56(3):247-259
- **White D**, Hoogeveen R, **Richardson P**, et al. A prospective study of soluble receptor for advanced glycation end products and adipokines in association with pancreatic cancer in postmenopausal women. *Cancer Med*. 2018 May;7(5):2180-2191
- Whitehead N, Williams L, **Singh H**, et al. Interventions to Improve Follow-Up of Laboratory Test Results Pending at Discharge: A Systematic Review. *J Hosp Med*. 2018 Feb 28. [Epub ahead of print]
- Wittink M, Walsh P, **Street R Jr**, et al. Patient priorities and the doorknob phenomenon in primary care: Can technology improve disclosure of patient stressors? *Patient Educ Couns*. 2018 Feb;101(2):214-220
- **Woodard L, Amspoker A, Petersen L, Naik A**, et al. Impact of Patient-Centered Medical Home Implementation on Diabetes Control in the Veterans Health Administration. *J Gen Intern Med*. 2018 Aug;33(8):1276-1282
- Zhou W, **Sansgiry S, Davila J**, et al. Determinants and Outcomes of Hospice Utilization Among Patients with Advance-Staged Hepatocellular Carcinoma in a Veteran Affairs Population. *Dig Dis Sci*. 2018 May;63(5):1173-1181

## Section of Hematology-Oncology



### OUR FACULTY

Caroline E. Arber Barth  
 Malcolm K. Brenner  
 George Carrum  
 Gary C. Chamness  
 Chad Creighton  
 Matthew Ellis  
 Suzanne Fuqua  
 Svasti Haricharan  
 Bin He  
 Valentina Hoyos  
 Sao Jiralerspong  
 Aparna C. Jotwani  
 Mamta Kalidas  
 Rammurti Kamble  
 Salma Kaochar  
 Meghashyam Kavuri  
 Weei-Chin Lin  
 Fang- Tsy (Fannie) Lin  
 Premal Lulla  
 Maksim Mamonkin  
 Courtney N. Miller-Chism  
 Martha P. Mims

Nicholas Mitsiades  
 Benjamin Musher  
 Julie Nangia  
 Charles K. Osborne  
 Carlos Ramos  
 Mothaffar F. Rimawi  
 Gustavo Rivero  
 Anita L. Sabichi  
 Yvonne Hsiao-Fan Sada  
 Rachel Schiff  
 Brandon G Smaglo  
 Iberia Romina Sosa  
 Samer Srour  
 Sravanti P. Teegavarapu  
 Perumal Thiagarajan  
 Mark M. Udden  
 Juan Fernando Vera Valdes  
 Ayumi Watanabe  
 Zahida Yasin  
 Sarvari V. Yellapragada  
 Aihua E.Yen  
 Jun Zhang

### AWARDS & HONORS

- **Brenner:** European Society of Gene and Cell Therapy Outstanding Achievement Award
- **Ellis:** Forbes Physician Honor Roll December 2017
- **Kaochar:** American Association of Cancer Research (AACR) Prostate 2017 Scholar- in-Training Award
- **Kaochar:** American Association of Cancer Research (AACR) Women in Cancer Research Award
- **Kaochar:** 2018 Prostate Cancer Foundation Young Investigator Award
- **Heslop:** President American Society of Gene and Cell Therapy
- **Lulla:** ASH Scholar Award 2017
- **Miller-Chism:** ASH Medical Educators Institute Scholar
- **Miller-Chism:** Baylor Oncology Fellowship; Best Clinic Experience Teaching of the Year, for Hematology Clinic; 2017/18
- **Mims:** Houstonia Magazine Top Doctor
- **Mims:** Baylor Oncology Fellowship; Best Clinic Experience Teaching of the Year, for Hematology Clinic; 2017/18
- **Musher:** "Top Doctor" Harris Health System
- **Musher:** Baylor Oncology Fellowship; Best Clinic Experience Teaching of the Year, for GI Oncology Clinic; 2017/18
- **Musher:** Houstonia Magazine Top Doctor
- **Nangia:** Oncology Times Honorable Mention for Study Validating Safety and Efficacy of Scalp Cooling Technology
- **Osborne:** 2018 AACR Distinguished Award for Extraordinary Scientific Achievement and Leadership in Breast Cancer Research
- **Rivero:** Center of Excellence in Healthy Equity, Training, and Research (COE) Junior Faculty Scholar 2017-2018 Cohort
- **Sabichi:** Castle Connolly Top Doctors: 2017
- **Sada:** Early Career Faculty Award for Excellence in Patient Care
- **Smaglo:** Baylor Oncology Fellowship; Best Clinic Experience Teaching of the Year, for GI Oncology Clinic; 2017/18
- **Smaglo:** Duncan Cancer Center Early Phase Clinical Research Award
- **Sosa:** That's The Way Player of the Month Award

- **Sosa:** Center of Excellence in Healthy Equity, Training, and Research (COE) Junior Faculty Scholar 2018-2019 Cohort
- **Udden:** Chair, American Board of Internal Medicine Hematology Board Baylor Oncology Fellowship; Best Clinic Experience Teaching of the Year, for Hematology Clinic; 2017/18
- **Yellapragada:** Star Faculty Award for Excellence in Patient Care
- **Yellapragada:** Baylor Hematology Fellows Award for Teaching in Hematology

## PROFESSIONAL ORGANIZATIONS

- **Heslop, H:** American Society of Gene and Cell Therapy President
- **Heslop, H:** American Society of Hematology Member - Nominating Committee
- **Heslop, H:** Foundation for Accreditation of Cell Therapy President
- **Miller-Chism, C:** American Society of Hematology - Medical Educators Institute
- **Miller-Chism, C:** American Society of Hematology - Member, Question writing committee for ASH SAP
- **Mims, M:** American Society of Hematology - Member, ASH Committee on Training
- **Mims, M:** American Society of Hematology - Chair, ASH Training Awards Committee
- **Mims, M:** American Society of Hematology - Chair, ASH Research Training Award for Fellows Study Section
- **Mims, M:** American Society of Hematology - Director K2R Program for ASH
- **Mims, M:** American Society of Hematology - Member ASH Awards Committee
- **Mims, M:** American Society of Hematology - Member ASH Ambassador Program Faculty
- **Mims, M:** American Society of Clinical Oncology - Session Chair, Prostate Cancer 2018 Annual Meeting
- **Mims, M:** American Society of Cancer Institutes Physician Clinical Leadership Initiative Steering Committee Member
- **Mims, M:** Baylor Principal Investigator for Southwest Oncology Group - Member GU Oncology Committee of the Southwest Oncology Group
- **Mims, M:** Baylor Principal Investigator for Southwest Oncology Group - Member of SWOG Board of Governors
- **Mims, M:** Co-Chair Planning Committee for BCM/ MDACC Comprehensive Board Review in Hematology and Medical Oncology
- **Mitsiades, N:** Southwest Oncology Group - Member GU Oncology Committee

- **Musher, B:** Southwest Oncology Group - Member GI Oncology Committee
- **Rivero, G:** Southwest Oncology Group - Member Leukemia Committee
- **Sabichi, A:** Southwest Oncology Group - Member Lung Cancer Committee
- **Sada, Y:** Southwest Oncology Group - Member GI Oncology Committee
- **Smaglo, B:** Southwest Oncology Group - Member GI Oncology Committee
- **Sosa, R:** American Society of Hematology - Member, Question writing committee for ASH SAP
- **Udden, M:** American Board of Internal Medicine - Chair, Hematology Board
- **Yen, A:** Southwest Oncology Group - Member GU Oncology Committee

## RESEARCH FUNDING

- **Arber Barth, C:** Genetically Engineered Virus-Specific T Cells To Prevent And Treat Relapse And Infection After Allogeneic Hematopoietic Stem Cell Transplantation Leukemia & Lymphoma Society 6490-16 (10/1/2015 - 9/30/2018)
- **Brenner, M:** Engineering T Cells To Ensure Specificity For Tumor Cells And Their Environment Cancer Prevention & Research Institute Of Texas (CPRIT) RP160345 (9/15/2016 - 2/28/2019)
- **Brenner, M:** Amendment/NCE - To Extend Agreement- Followup For Lokon (Sample Analysis For The Clinical Trial) Lokon Pharma Ab (10/15/2017 - 10/14/2018)
- **Carrum, G:** A Multi-Center, Randomized, Double-Blind, Placebo-Controlled Phase Iii Trial Of The Flt3 Inhibitor Gilteritinib Administered As Maintenance Therapy Following Allogeneic Transplant For Patients With Flt3-ItD Aml Bmt Ctn Protocol #1506/Astellas Astellas Pharma Global Development , Inc. Protocol Rider 1501 (Amend1) (12/7/2017 - 8/31/2018)
- **Chamness, G:** NRG Oncology Biospecimen Bank National Institutes Of Health (NIH) U24-CA196067-04 (4/1/2015 - 3/31/2019)
- **Chamness, G:** A Phase II Clinical Trial Platform Of Sensitization Utilizing Total Neoadjuvant Therapy (TNT) In Rectal Cancer (The "G1002 Project" National Surgical Adjuvant Breast And Bowel Project (NSABP) NRG-G1002 (11/1/2016 - 10/31/2018)
- **Chamness, G:** NCE - NSABP B47 Sub Study NIH: National Institutes Of Health NONE-NSABP (NCE) (8/1/2017 - 12/31/2017)
- **Creighton, C:** Mira / Core 2 - Integrated Analysis Of The Lung Cancer Microenvironment Cancer Prevention & Research Institute Of Texas (CPRIT) RP120713-C2 Year 6 (Year 1: 8/31/2017 - 8/31/2018)

### Research Funding continued

- **Creighton, C:** BC150251: A Novel Preclinical Model Of Dormant Metastatic ER+ Breast Cancer Department Of Defense W81XWH-16-1-0044 (2/1/2018 - 1/31/2019)
- **Creighton, C:** Regulation Of Lung Cancer Metastasis By Zeb1 National Cancer Institute (NCI) R01-CA181184-04 (7/1/2014 - 6/30/2018)
- **Ellis, M:** Alternate Trial: A Neoadjuvant Biomarker Approach For Estrogen Receptor Positive Breast Cancer Breast Cancer Research Foundation BCRF-16-102 (10/1/2014 - 9/30/2018) \$11,544
- **Ellis, M:** Investigation Of The Genomics And Biology Of Metastasis Using Patient- Derived-Xenografts (PDX) Cancer Research Foundation ELFF-16-003 (9/1/2014 - 5/31/2018)
- **Ellis, M:** 16-Month NCE BCRF PDX Founders Fund - Investigation Of The Genomics And Biology Of Metastasis Using Patient-Derived-Xenografts (PDX) Breast Cancer Research Foundation ELFF-16-003 - NCE (amend5 MSK) (6/1/2018 - 6/30/2019)
- **Ellis, M:** BR003-A Randomized Phase III Trial Of Adjuvant Therapy Comparing Doxorubicin Plus Cyclophosphamide Followed By Weekly Paclitaxel With Or Without Carboplatin In Node-Positive Or High-Risk Node-Negative Triple-Negative Invasive Breast Cancer Breast Cancer Research Foundation BCRF-16-042 (10/1/2014 - 9/30/2018)
- **Ellis, M:** Established Investigator Recruit - Accelerating Breast Cancer Translational Medicine Through Genomics And Proteomics Cancer Prevention & Research Institute Of Texas (CPRIT) RR140033 (6/1/2014 - 5/31/2019)
- **Ellis, M:** Integrated Translational Genoproteomics Center At Washington University (Wu-18-361) National Institutes Of Health (NIH) U10-CA180860 (3/1/2014 - 2/28/2019)
- **Ellis, M:** NRG Oncology Network Group Operations Center National Institutes Of Health (NIH) U10-CA180868-05 (3/1/2014 - 2/28/2019)
- **Ellis, M:** Microscaled Proteogenomics For Cancer Clinical Trials (Cptac) National Institutes Of Health (NIH) U01-CA214125 -02 (Amend2 BI) (6/1/2017 - 5/31/2022)
- **Ellis, M:** Somatic Mutation And Recurrence Risk For Early Stage Estrogen Receptor Positive Breast Cancer Susan G Komen Breast Cancer Foundation SAC170059 (YR2- WUSTL) (2/20/2017 - 2/19/2019)
- **Ellis, M:** Direct Regulation Of Estrogen Receptor Transcriptional Activity By Nf1 United States Army Medical Research & Materiel Command ( Department Of Defense ) W81XWH-16-1-0539 (9/30/2016 - 9/29/2019)
- **Fuqua, S:** Role Of Esr1 Mutations In Breast Cancer Progression Breast Cancer Research Foundation BCRF-16-056 (10/1/2014 - 9/30/2018)
- **Fuqua, S:** Mira/Project 2: Characterization Of Nuclear Receptor And Co-Regulator Expression And Function In Breast Cancers Cancer Prevention & Research Institute Of Texas (CPRIT) RP120732-P2 Attach F2 (8/31/2012 - 8/30/2018)
- **Fuqua, S:** Year 4 NCE: Effects Of Hormonal Therapy On Subclonal Evolution Of Breast Tumors With Esr1 Mutations Cancer Prevention & Research Institute Of Texas (CPRIT) RP150440 (3/1/2015 - 8/31/2018)
- **Fuqua, S:** Integration Of Predictive Biomarkers Of Hormone Resistance In Breast Cancer National Cancer Institute (NCI) R01-CA072038-19 (9/1/1996 - 8/31/2019)
- **Fuqua, S:** Mechanisms Of Ar-Er Collaboration In Hormone Resistance And Metastasis Of Breast Cancer National Institutes Of Health (NIH) R01-CA207270-02 (3/1/2017 - 2/28/2022)
- **Haricharan, S:** BC170276 Mismatch Repair Loss Renders Er+/Her2- Breast Cancer Susceptible To Her2/3 Inhibition United States Army Medical Research & Materiel Command ( Department Of Defense) W81XWH-18-1-0034 (3/1/2018 - 2/28/2019)
- **He, B:** Role Of Gata2 In Prostate Cancer Development American Cancer Society RSG-13-061-01 (1/1/2015 - 12/31/2018)
- **Heslop, H:** Enhancing T Cell Therapy of Cancer National Institutes Of Health (NIH) 5P01CA094237 (2/1/16-1/31/19)
- **Heslop, H.:** Cancer Cell and Gene Therapy Program (CCSG) National Institutes Of Health (NIH) 5P30CA125123 (7/1/2007-6/30/19)
- **Heslop, H:** Translational Research In Lymphoma (SPORE) National Institutes Of Health (NIH) P50-CA126752 (4/1/2007-8/31/2022)
- **Heslop, H:** Training in Cell and Gene Therapy National Institutes of Health (NIH) 5T32HL092332 (7/1/2003-7/31/2019)
- **Hoyos, V:** Recruitment Of First-Time, Tenure Track Faculty Member-Dr. Valentina Hoyos Velez (RFT) Cancer Prevention & Research Institute Of Texas (CPRIT) RR170024 (8/31/2017 - 8/30/2022)
- **Jiralerspong, S:** NCE 2- Metformin For The Treatment Of Breast Ductal Carcinoma In Situ (DCIS) Susan G Komen Breast Cancer Foundation CCR13263802 (8/27/2017 - 8/26/2018)
- **Kavuri, M:** BC170466: Targeting Ddr1 Aberrations In Metastatic Er+ Breast Cancer Department Of Defense Congressionally Directed Medical Research Programs W81XWH-18-1-0040 (2/15/2018 - 2/14/2019)
- **Kavuri, M:** Kinome Analysis To Rationalize Targeting HER2 And DDR1 Breast Cancer Mutations Susan G Komen Breast Cancer Foundation CCR16380599 (9/15/2016 - 9/14/2019)
- **Kavuri, M:** BC170276P1 Mismatch Repair Loss Renders Er+/Her2- Breast Cancer Susceptible To Her2/3 Inhibition United States Army Medical Research & Materiel Command ( Department Of Defense ) W81XWH-18-1-0035 (3/1/2018 - 2/28/2021)

- **Lin, W:** NCE: BC133678 Targeting A Convergent Point Of Multiple Oncogenic Pathways In Breast Cancer, A New Paradigm For Targeted Therapy Department Of Defense Congressionally Directed Medical Research Programs W81XWH-14-1-0339 (9/30/2017 - 9/29/2018)
- **Lin, W:** The ATM/E2F1 Pathway In Dna Damage And Growth Control National Institutes Of Health (NIH) R01-CA100857-14 (3/1/2003 - 2/28/2020)
- **Lin, W:** MPI-Novel Therapeutics For Targeting Checkpoint Dysfunction In Cancer National Institutes Of Health (NIH) R01-CA203824-02 (12/1/2016 - 11/30/2021)
- **Lin, W:** New Mechanisms Of Breast Cancer Metastasis And Loss Of Estrogen Receptor Driven By 14-3-3 (NIH): National Institutes Of Health R21-CA198041-02 (6/1/2016 - 5/31/2019)
- **Lin, W:** BCM Oncology Scholars Training Program The National Institutes Of Health T32-CA174647-04 (8/1/2014 - 7/31/2019)
- **Lulla, P:** T Cell Therapy For AML American Society For Blood & Marrow TR (7/1/2016 - 6/30/2019)
- **Lulla, P:** Safety And Efficacy Of Adoptively Transferred Multitaa Specific T Cells To Patients With Multiple Myeloma American Society Of Hematology (7/1/2017 - 6/30/2020)
- **Lulla, P:** Adoptively Transferred Multitaa-Specific T Cells As Treatment Or Prevention Of Aml Relapse Post-Allogeneic Stem Cell Transplant Leukemia Texas, Inc. (7/1/2016 - 6/30/2018)
- **Mamonkin, M:** Increasing Safety Of Cd5 Car For The Treatment Of T Cell Malignancies American Society Of Hematology (7/1/2016 - 6/30/2019)
- **Mitsiades, N:** Ubiquitination-Based Control Of Transcriptional Activity In Prostate Cancer American Cancer Society RSG-14-218-01-TBG (1/1/2015 - 12/31/2018)
- **Mitsiades, N:** PC160445: A First-In-Field Approach To Target A Previously Undruggable Oncogene Family In Prostate Cancer Department Of Defense Congressionally Directed Medical Research Programs W81XWH-17-1-0298 (7/1/2017 - 6/30/2020)
- **Mitsiades, N:** Developing Spop Inhibitors Diana Helis Henry Medical Research Foundation Cancer Program H-2017 (4/1/2017 - 3/31/2019)
- **Mitsiades, N:** Regulation Of Uveal Melanoma Cell Fate By Mitf Via The PKC Pathway National Cancer Institute (NCI) R01-CA193321-03 (8/1/2015 - 7/31/2020)
- **Mitsiades, N:** A Novel Therapeutic Target For Prostate Cancer Sidney Kimmel Foundation For Cancer R SKF-15-053 (7/1/2015 - 6/30/2018)
- **Nangia, J:** Breast Cancer Research And Education Program AstraZeneca (9/7/2017 - 9/6/2018)
- **Nangia, J:** Nanostring Educational Grant Nanostring Technologies NanoString (8/1/2017 - 7/31/2018)
- **Nangia, J:** Educational Retreat Pfizer, Inc (9/1/2016 - 8/31/2018)
- **Nangia, J:** 2018-2019: Facilitating Breast Cancer Prevention And Treatment In Underserved And Minority Women Susan G Komen - Houston Affiliate CGA-2018- TX105-BAYL46-00030 (4/1/2018 - 3/31/2019)
- **Osborne, C K:** Baylor College Of Medicine Cancer Center National Cancer Institute (NCI) P30-CA125123-11 (7/1/2007 - 6/30/2020)
- **Osborne, C K:** P30 Administrative Supplement For P30 Cancer Center Support Grants To Support Research In Canine Immunotherapy Via Collaboration Of Nci-Designated Cancer Centers And Veterinary Medical Colleges (Identifying Neo-Epitopes For Cd8+ T Cells In Dog Tumors) National Cancer Institute (NCI) P30-CA125123-1054 (7/1/2017 - 12/31/2018)
- **Osborne, C K:** RFA: NCI Moonshot Initiative: Administrative Supplements For The P30 Cancer Center Support Grant To Develop Tobacco Cessation Treatment Capacity And Infrastructure For Cancer Patients National Cancer Institute (Nci) P30-CA125123 (7/1/2017 - 6/30/2018)
- **Osborne, C K:** 11S2 Underrepresented High School And Undergraduate Student Research Experiences (Cure) National Cancer Institute (NCI) P30-CA125123-11S2 (7/1/2017 - 6/30/2018)
- **Osborne, C K:** 11S1 Administrative Supplement To Strengthen NCI-Supported Community Outreach Capacity Through Community Health Educators (CHES) Of The National Outreach Network (NON) National Cancer Institute (NCI) P30-CA125123-11S1 (7/1/2017 - 6/30/2018)
- **Osborne, C K:** To Fund Year 11 Administrative Supplement Not Affiliated With The Experimental Therapeutic Clinical Trials Network (Etctn) To Support Participation In The Etctn Prior Year: 10 ( Brain 23664-S37) National Cancer Institute (NCI) P30-CA125123 (7/1/2017 - 6/30/2018)
- **Osborne, C K:** 11S3 : Improving Diagnostic Accuracy And Supportive Care For Children With Burkitt Lymphoma: Laying A Foundation For Treatment Trials In Sub- Sahara Africa National Cancer Institute (NCI) P50-CA125123 (7/1/2017 - 6/30/2018)
- **Osborne, C K:** Translational Research In Breast Cancer (SPORE) National Institutes Of Health (NIH) P50-CA186784-04 (9/1/2014 - 8/31/2019)
- **Osborne, C K:** Amendment 2 To The Ventana Collaborative Research Agreement Ventana Medical Systems, Inc (1/24/2018 - 6/30/2018)
- **Ramos, C:** Amendment: HPV 16/18 E6/E7-Specific T Cells For Treatment Of HPV- Associated Cancers Tessa Therapeutics Pte. Ltd. (5/1/2018 - 4/30/2019)
- **Rimawi, M:** Pink For Life- Expanding And Improving Breast Cancer Care And Prevention In Minority And Economically Disadvantaged Women Avon Foundation 05- 2017-002 (7/1/2017 - 6/30/2018)

### Research Funding continued

- **Rimawi, M:** NCE TBCRC 2017: Translational Breast Cancer Research Consortium Infrastructure Support Task Order: BCRF Original Po 2000010764 Breast Cancer Research Foundation (7/1/2017 - 6/30/2018)
- **Rimawi, M:** BC161327: A New Paradigm For De-Escalation Of Treatment In Her2 Positive Breast Cancer: Revolutionizing Care With More Effective And Less Toxic Therapy. Department Of Defense Congressionally Directed Medical Research Programs W81XWH-17-1-0579 (9/15/2017 - 9/14/2020)
- **Rimawi, M:** Biological Samples For: A Phase II Randomized Study Evaluating The Biological And Clinical Effects Of The Combination Of Palbociclib With Letrozole As Neoadjuvant Therapy In Women With Estrogen Receptor-Positive Primary Breast Cancer" (The "Fb-11 Study) Pfizer, Inc Service Agreement (10/20/2017 - 10/19/2019)
- **Rimawi, M:** TBCRC 2017: Translational Breast Cancer Research Consortium Infrastructure Support Task Order: Susan G Komen Breast Cancer Foundation (7/1/2017 - 6/30/2018)
- **Schiff, R:** 2017-2018: Mechanisms Of Resistance To HER2 And ER-Targeted Therapies And Novel Therapeutic Strategies Breast Cancer Research Foundation BCRF-17-143 (10/1/2017 - 9/30/2018)
- **Schiff, R:** Pre-Clinical Investigation Of Brd4 Inhibitors In Hormone-Insensitive Er+ Breast Cancer Gilead Sciences, Inc. (12/15/2017 - 2/17/2019)
- **Schiff, R:** NIK As Attractive Drug Target For Intractable Breast Cancer" (5R01CA18136) National Institutes Of Health (NIH) R01-CA181368-04 (9/1/2014 - 8/31/2018)
- **Schiff, R:** Evaluate The Therapeutic Efficacy Of Neratinib In Combination With Trastuzumab For HER2-Positive Breast Cancer Puma Biotechnology Inc SRA (1/1/2018 - 12/31/2019)
- **Schiff, R:** BC133693P1: Targeting Gpr110 In Her2-Overexpressing Breast Cancer United States Army Medical Research & Materiel Command ( Department Of Defense ) W81XWH-14-1-0341 (9/30/2014 - 9/29/2018)
- **Schiff, R:** Harvey Amendment BC133693P1: Targeting GPR110 In HER2- Overexpressing Breast Cancer United States Army Medical Research & Materiel Command (Department Of Defense ) W81XWH-14-1-0431 (4/26/2014 - 9/30/2018)
- **Schiff, R:** BC161327P1 : A New Paradigm For De-Escalation Of Treatment In HER2 Positive Breast Cancer: Revolutionizing Care With More Effective And Less Toxic Therapy. United States Army Medical Research & Materiel Command ( Department Of Defense ) W81XWH-17-1-0580 (9/15/2017 - 9/14/2020) \$692,420
- **Sosa, I R:** Resveratrol In Metabolic Syndrome: Effect On Platelet Hyper-Reactivity And Hdl Lipid Peroxidation American Heart Association Inc 13FTF174000111 (7/1/2014 - 6/30/2018)
- **Suzuki, M:** Combining Ad Gene Therapy With Car Ad-Specific T-Cell Therapy For HNSCC Concern Foundation (7/1/2016 - 6/30/2018)
- **Suzuki, M:** Amendment - Combinatorial Treatment With Armed Oncolytic Ad Gene Therapy And Car T-Cell Therapy For Squamous Cell Carcinoma Of The Head And Neck (HNSCC) Tessa Therapeutics Pte. Ltd. SRA Amendment 1 (1/1/2018 - 12/31/2018) \$100,000
- **Vera Valdes, J:** Engineered T Cell Therapy For Advanced Prostate Cancer American Cancer Society MRSG-14-19701-LIB (1/1/2015 - 12/31/2018)
- Watanabe, N: Cook Regentec LLS SRA Cook Regentec Testing Agreement (9/21/2017 - 9/20/2018)

### Cash Awards

- **Carrum, G:** Astellas Pharma Global Development , Inc. A Randomized, Double-Blind, Placebo-Controlled Phase 3 Trial To Evaluate The Protective Efficacy And Safety Of A Therapeutic Vaccine, Asp0113, In Cytomegalovirus (Cmv)-Seropositive Recipients Undergoing Allogeneic Hematopoietic Cell Transplant (HCT)
- **Carrum, G:** National Institutes Of Health (NIH) U10HL069294 Prospective Multi-Center Cohort For The Evaluation Of Biomarkers Predicting Risk Of Complications And Mortality Following Allogeneic HCT, BMT CTN 1202
- **Carrum, G:** NIH: National Institutes Of Health U10CA180888 \*\*Swog Purchase Service Agreement: Subaccount For Participation In Nci Nctn Clinical Trials\*\* CTSU - H-39725 BMT CTN 1201 A051301 Alliance DLBC - A Randomized Double-Blind Phase Iii Study Of Ibrutinib During And Following Autologous Stem Cell Transplantation Versus Placebo In Patients With Relapsed Or Refractory Diffuse Large B-Cell Lymphoma Of The Activated B-Cell Subtype
- **Chamness, G:** NIH: National Institutes Of Health NSABP B47 Sub Study
- **Heslop, H:** Cell Medica, Ltd Citadel-A Phase 2 Open Label Study To Investigate The Efficacy Of Autologous Ebv-Specific T-Cells For The Treatment Of Patients With Aggressive Extranodal Nk/T Cell Lymphoma (ENKTCL), CM-2013-01
- **Heslop, H:** Cell Medica, Ltd Prevale- Phase I Study Combining Nivolumab With Epstein Barr Virus Specific T Cells (Eb-Vsts) In Relapsed/Refractory Ebv Positive Lymphoma Patients
- **Kamble, R:** National Institutes Of Health (NIH) 2U10HL069294 A Multi-Center Biologic Assignment Trial Comparing Reduced Intensity Allogeneic Hematopoietic Cell Transplant To Hypomethylating Therapy Or Best Supportive Care In Patients Aged 50- 75 With Intermediate-2 And High Risk Myelodysplastic Syndrome, BMT CTN 1102
- **Lulla, P:** National Institutes Of Health (NIH) U01HL128566-01 Year 3 Amendment - BMT CTN 1503: Hematopoietic Stem Cell Transplantation For Young Adults With Sickle Cell Disease

- **Lulla, P:** Tessa Therapeutics Pte. Ltd. A Multicentre, Randomized, Open-Label, Phase Iii Clinical Trial Of Gemcitabine And Carboplatin Followed By Epstein-Barr Virus- Specific Autologous Cytotoxic T Lymphocytes Versus Gemcitabine And Carboplatin As First Line Treatment For Advanced Nasopharyngeal Carcinoma Patients
- **Mims, M:** Aveo Pharmaceuticals A Phase 3, Randomized, Controlled, Multi-Center, Open-Label Study To Compare Tivozanib Hydrochloride To Sorafenib In Subjects With Refractory Advanced Renal Cell Carcinoma
- **Mims, M:** Bristol-Myers Squibb 1 Ca204006: A Phase 3, Randomized, Open Label Trial Of Lenalidomide/Dexamethasone With Or Without Elotuzumab In Subjects With Previously Untreated Multiple Myeloma
- **Mims, M:** Celgene Corporation Cc-5013-Nhl-008: A Phase 3B Randomized Study Of Lenalidomide (CC-5013) Plus Rituximab Maintenance Therapy Followed By Lenalidomide Single-Agent Maintenance Versus Rituximab Maintenance In Subjects With Relapsed/Refractory Follicular, Marginal Zone Or Mantle Cell Lymphoma
- **Mims, M:** Imclone Systems Incorporated Cp02-0452: Randomized Phase Iii Study Of Docetaxel Or Pemetrexed With Or Without Cetuximab In Patients With Recurrent Or Progressive Non-Small Cell Lung Cancer After Platinum-Based Therapy
- **Mims, M:** Novartis Pharmaceuticals Corp 1 Rad001N2301: A Randomized, Double- Blind, Placebo-Controlled, Multicenter Phase Iii Study Of Rad001 Adjuvant Therapy In Poor Risk Patients With Diffuse Large B-Cell Lymphoma (DLBCL) Of Rad001 Versus Matching Placebo After Patients Have Achieved Complete Response With First-Line Rituximab-Chemotherapy
- **Mims, M:** Prostate Cancer Clinical Trials Consortium, Llc Prostate Cancer Outcomes: An International Registry To Improve outcomes In Men With Advanced Prostate Cancer (Ironman)
- **Musher, B:** Aduro Biotech, Inc. A Phase 2, Open-Label Evaluation Of Crs-207 And Pembrolizumab In Adults With Recurrent Or Metastatic Gastric, Gastroesophageal Junction, Or Esophageal Adenocarcinomas
- **Musher, B:** Boston Biomedical, Inc Canstem111P: A Phase III Study Of Bbi-608 Plus Nab-Paclitaxel With Gemcitabine In Adult Patients With Metastatic Pancreatic Adenocarcinoma.
- **Musher, B:** Celgene Corporation Abi-007-Panc-003 A Phase 3, Multicenter, Open- Label,Randomized Study Of Nab®-Paclitaxel Plus Gemcitabine Versus Gemcitabine Alone As Adjuvant Therapy In Subjects With Surgically Resected Pancreatic Adenocarcinoma
- **Musher, B:** Eli Lilly And Company A Randomized, Double-Blind, Placebo-Controlled Phase 3 Study Of Capecitabine And Cisplatin With Or Without Ramucirumab As First-Line Therapy In Patients With Metastatic Gastric Or Gastroesophageal Junction Adenocarcinoma (Rainfall)
- **Musher, B:** Halozyme Therapeutics A Phase 3, Randomized, Double-Blind, Placebo- Controlled, Multicenter Study Of Pegylated Recombinant Human Hyaluronidase (Pegph20) In Combination With Nab-Paclitaxel Plus Gemcitabine Compared With Placebo Plus Nab-Paclitaxel And Gemcitabine In Subjects With Hyaluronan-High Stage Iv Previously Untreated Pancreatic Ductal Adenocarcinoma
- **Musher, B:** Lokon Pharma Ab Phase I/Iia Trial Evaluating Safety Of Load703 An Armed Oncolytic Adenovirus For Pancreatic Cancer
- **Musher, B:** Merck Sharpe & Dohme Corp. A Phase III Study Of Pembrolizumab (Mk- 3475) Vs. Chemotherapy In Microsatellite Instability-High (Msi-H) Or Mismatch Repair Deficient (Dmmr) Stage Iv Colorectal Carcinoma (Keynote-177)
- **Musher, B:** Newlink Genetics Corporation 1 Nlg-0505: A Phase III Study Of Folfirinox With Or Without Hyperacute-Pancreas (Algenpantucel-L) Immunotherapy In Subjects With Borderline Resectable Or Locally Advanced Unresectable Pancreatic Cancer
- **Nangia, J:** Calithera Biosciences H-41704: A Multicenter Phase 2 Study Of The Glutaminase Inhibitor Cb-839 In Combination With Paclitaxel In Patients With Advanced Triple Negative Breast Cancer (Tnbc) Including Patients Of African Ancestry And Non-African Ancestry
- **Nangia, J:** Celldex Therapeutics, Inc. A Randomized Multicenter Pivotal Study Of Cdx-011 (Cr011-Vcmmae) In Patients With Metastatic, GpnmB Over-Expressing, Triple- Negative Breast Cancer
- **Nangia, J:** Paxman Coolers Limited Scalp Cooling For Alopecia Prevention (Scalp)
- **Nangia, J:** Tesaro, Inc. H-42264: 3000-01-005 An Open-Label, Single-Arm Pilot Study Evaluating The Antitumor Activity And Safety Of Niraparib As Neoadjuvant Treatment In Localized, Her2- Negative, Brca-Mutant Breast Cancer Patients
- **Ramos, C:** Viracyte LLC A Phase I Study Using Most Closely Hla-Matched Adenovirus-Specific T-Lymphocytes For The Treatment Of Adenovirus Infections Post Allogeneic Stem Cell Transplant (Viralym-A)
- **Rimawi, M:** Abbvie Inc H-42427: An Open Label Study Of Sc-005 In Subjects With Triple Negative Breast Cancer (Tnbc)
- **Rimawi, M:** Amgen, Inc. "A Randomized, Double-Blind, Placebo-Controlled, Multi-Center Phase 3 Study Of Denosumab As Adjuvant Treatment For Women With Early- Stage Breast Cancer At High Risk Of Recurrence (D-Care)
- **Rimawi, M:** Breast Cancer Research Foundation Tbcrc 026 Amendment 1: A Phase 2 Clinical Trial Assessing The Correlation Of Early Changes In Standardized Uptake Value (Suv) On Positron Emission Tomography (Pet) With Pathological Complete Response (Pcr) To Pertuzumab And Trastuzumab In Patients With Primary Operable Her2-Positive Breast Cancer

#### Cash Awards continued

- **Rimawi, M:** Cascadian Therapeutics, Inc. 1 H-40306: Phase 2 Randomized, Double-Blinded, Controlled Study Of Ont-380 Vs. Placebo In Combination With Capecitabine And Ont-380-206: Trastuzumab In Patients With Pretreated Unresectable Locally Advanced Or Metastatic Her2+ Breast Carcinoma
- **Rimawi, M:** Dana Farber Cancer Institute Tbcrc030: A Randomized Phase II Study Of Preoperative Cisplatin Versus Paclitaxel In Patients With Triple Negative Breast Cancer Without Germline Brca Mutations: Evaluating The Homologous Recombination Deficiency (Hrd) Biomarker
- **Rimawi, M:** Galena Biopharma, Inc. Present: Prevention Of Recurrence In Early-Stage, Node-Positive Breast Cancer With Low To Intermediate Her2 Expression With Neuvax™ Treatment
- **Rimawi, M:** Genentech Foundation For Growth & Dev A Phase II, Double-Blind, Placebo-Controlled, Randomized Study Of Gdc-0941 Or Gdc-0980 With Fulvestrant Versus Fulvestrant In Advanced Or Metastatic Breast Cancer In Patients Resistant To Aromatase Inhibitor Therapy
- **Rimawi, M:** Genentech, Inc. Pertain / Protocol Number Mo27775 / Ro43-68451 Pertuzumab
- **Rimawi, M:** Gilead Sciences, Inc. H-39960: Gsus3501937 A Phase 1B Study Followed By An Open Label, Parallel, Randomized Phase 2 Study Evaluating The Safety, Tolerability And Efficacy Of Gs-5829 In Combination With Exemestane Or Fulvestrant Comparing With Exemestane Or Fulvestrant Alone In Subjects With Advanced Estrogen Receptor Positive Her2- Breast Cancer
- **Rimawi, M:** Glaxo/Smithkline A Phase II Trial Of Lapatinib And Trastuzumab With Or Without Endocrine Therapy In Locally Advanced Her2 Overexpressing Breast Cancer Patients
- **Rimawi, M:** Glaxo/Smithkline Neoadjuvant Study Of Extended Lapatinib And Trastuzumab With Or Without Endocrine Therapy In Locally Advanced Her2- Overexpressing Breast Cancer Patients
- **Rimawi, M:** Novartis Pharmaceuticals Corp "A Randomized Phase III, Double-Blind, Placebo-Controlled, Multicenter Trial Of Daily Everolimus In Combination With Trastuzumab And Vinorelbine In Pretreated Women With Her2/Neu Over-Expressing Locally Advanced Or Metastatic Breast Cancer."
- **Rimawi, M:** Novartis Pharmaceuticals Corp H 36350: Lee011: A Phase III Randomized, Double-Blind, Placebo-Controlled Study Of Lee011 Or Placebo In Combination With Tamoxifen And Goserelin Or A Non-Steroidal Aromatase Inhibitor (Nsai) / Clee011E2301 (Monaleesa-7) And Goserelin For The Treatment Of Premenopausal Women With Hormone Receptor Positive, Her2-Negative, Advanced Breast Cancer
- **Rimawi, M:** Pfizer, Inc Crizotinib And Sunitinib\_ A Rationally Combined Targeted Therapy Strategy For Metastatic Triple Negative Breast Cancer
- **Rimawi, M:** Pfizer, Inc Nsabp Fb-11: A Phase II Randomized Study Evaluating The Biological And Clinical Effects Of The Combination Of Palbociclib With Letrozole As Neoadjuvant Therapy In Post-Menopausal Women With Estrogen-Receptor Positive Primary Breast Cancer
- **Rimawi, M:** Pfizer, Inc H-39113 Nsabp Protocol B-57-I: Pallas: Palbociclib Collaborative Adjuvant Study: A Randomized Phase Iii Trial Of Palbociclib With Standard Adjuvant Endocrine Therapy Versus Standard Adjuvant Endocrine Therapy Alone For Hormone Receptor Positive (Hr+) / Human Epidermal Growth Factor Receptor 2 (Her2)-Negative Early Breast Cancer
- **Rimawi, M:** Synthon Biopharmaceuticals, B.V. H-41823: A Multi-Centre, Open-Label, Randomized Clinical Trial Comparing The Efficacy And Safety Of The Antibody-Drug Conjugate Syd985 To Physician'S Choice In Patients With Her2-Positive Unresectable Locally Advanced Or Metastatic Breast Cancer
- **Sada, Y:** Merck & Co, Inc. Keynote-224: A Phase II Study Of Pembrolizumab (Mk-3475) As Monotherapy In Subjects With Previously Systemically Treated Advanced Hepatocellular Carcinoma
- **Smaglo, B:** Mitra Biotech A Prospective, Multicenter, Observational Study Examining The Clinical Utility Of Canscripttm In Routine Clinical Practice
- **Zhang, J:** Advaxis Window-Of Opportunity Trial Of Neoadjuvant Adxs11-001 Vaccination Prior To Transoral Resection Of Hpv-Positive Oropharyngeal Squamous Cell Carcinoma
- **Zhang, J:** Astrazeneca A Phase III, Randomized, Multicenter, Open-Label, Comparative Study To Determine The Efficacy Of Durvalumab Or Durvalumab And Tremelimumab In Combination With Platinum-Based Chemotherapy For The First-Line Treatment In Patients With Extensive Disease (Stage Iv) Small-Cell Lung Cancer (SclC)
- **Zhang, J:** Regeneron Pharmaceuticals, Inc 1 A First-In-Human Study Of Repeat Dosing With Regn2810, A Monoclonal, Fully Human Antibody To Programmed Death - 1 (Pd-1), As Single Therapy And In Combination With Other Anti-Cancer Therapies, In Patients With Advanced Malignancies

#### PUBLICATIONS & PRESS

- Young M, Dahoun T, **Arber C**, et al. Computational design of orthogonal membrane receptor-effector switches for rewiring signaling pathways. *Proc Natl Acad Sci U S A*. 2018 Jul 3;115(27):7051-7056
- **Arber C**, Young M, **Barth P**. Reprogramming cellular functions with engineered membrane proteins. *Curr Opin Biotechnol*. 2017 Oct;47:92-101
- **Brenner M**. Onward and upward for immuno-oncology. *Chin Clin Oncol*. 2018 Apr;7(2):18

- Yanir A, **Carrum G, Brenner M**, et al. High Incidence of Autoimmune Disease after Hematopoietic Stem Cell Transplantation for Chronic Granulomatous Disease. *Biol Blood Marrow Transp*. 2018 Apr 6. pii: S1083-8791(18)30163-0
- Bollard C, **Carrum G, Brenner M**, et al. Tumor-Specific T-Cells Engineered to Overcome Tumor Immune Evasion Induce Clinical Responses in Patients With Relapsed Hodgkin Lymphoma. *J Clin Oncol*. 2018 Apr 10;36(11):1128-1139
- **Carrum G, Lulla P, Watanabe A, Brenner MK**, et al. Off-the-Shelf Virus-Specific T Cells to Treat BK Virus, Human Herpesvirus 6, Cytomegalovirus, Epstein-Barr Virus, and Adenovirus Infections After Allogeneic Hematopoietic Stem-Cell Transplantation. *J Clin Oncol*. 2017 Nov 1;35(31):3547-3557
- Kapke J, Epperla N, **Carrum G**, et al. Effect of Routine Surveillance Imaging on the Outcomes of Patients With Classical Hodgkin Lymphoma After Autologous Hematopoietic Cell Transplantation. *Clin Lymph Myel Leuk*. 2017 Jul;17(7):408-414
- Xu X, De Angelis C, **Chamness G**, et al. HER2 Reactivation through Acquisition of the HER2 L755S Mutation as a Mechanism of Acquired Resistance to HER2-targeted Therapy in HER2+ Breast Cancer. *Clin Cancer Res*. 2017 Sep 1;23(17):5123-5134
- Tan X, Banerjee P, **Creighton C**, et al. The epithelial-to-mesenchymal transition activator ZEB1 initiates a prometastatic competing endogenous RNA network. *J Clin Invest*. 2018 Jul 2;128(7):3198
- Kundu S, Grzeskowiak C, **Creighton C**, et al. TMEM106B drives lung cancer metastasis by inducing TFEB-dependent lysosome synthesis and secretion of cathepsins. *Nat Commun*. 2018 Jul 16;9(1):2731
- You R, DeMayo F, **Creighton C**, et al. IL17A Regulates Tumor Latency and Metastasis in Lung Adeno and Squamous SQ.2b and AD.1 Cancer. *Cancer Immunol Res*. 2018 Jun;6(6):645-657
- Haricharan S, Punturi N, **Ellis M**, et al. Loss of MutL Disrupts CHK2-Dependent Cell-Cycle Control through CDK4/6 to Promote Intrinsic Endocrine Therapy Resistance in Primary Breast Cancer. *Cancer Disc*. 2017; 7(10):1168-1183
- Nair A, Chung H, **Ellis M**, et al. Combinatorial inhibition of PTPN12-regulated receptors leads to a broadly effective therapeutic strategy in triple-negative breast cancer. *Nature Med*. 2018; 24(4):505-511
- Huang K, Li S, **Ellis M**, et al. Proteogenomic integration reveals therapeutic targets in breast cancer xenografts. *Nature Comm*. 2017; 8:14864
- Baker A, Wyatt D, **Fuqua S**, et al. Notch-1-PTEN-ERK1/2 signaling axis promotes HER2+ breast cancer cell proliferation and stem cell survival. *Oncogene*. 2018 May 10. [Epub ahead of print]
- Zhang Z, Nikolai B, **He B**, et al. Crosstalk between histone modifications indicates that inhibition of arginine methyltransferase CARM1 activity reverses HIV latency. *Nucleic Acids Res*. 2017 Sep 19;45(16):9348
- **Kaochar S, Mitsiades N**. A Novel Mechanism to Drive Castration-Resistant Prostate Cancer. *Trends Endocrinol Metab*. 2018 Jun;29(6):366-368
- **Kaochar S**, Dong J, **Mitsiades N**, et al. ICG-001 Exerts Potent Anticancer Activity Against Uveal Melanoma Cells. *Invest Ophthalmol Vis Sci*. 2018 Jan 1;59(1):132-143
- Chinn I, Eckstein O, **Heslop HE**, et al. Genetic and mechanistic diversity in pediatric hemophagocytic lymphohistiocytosis. *Blood*. 2018 Jul 5;132(1):89-100
- **Heslop H, Brenner M**. Seek and You Will Not Find: Ending the Hunt for Replication-Competent Retroviruses during Human Gene Therapy. *Mol Ther*. 2018 Jan 3;26(1):1-2
- Ngwube A, Hanson I, **Heslop H**, et al. Outcomes after Allogeneic Transplant in Patients with Wiskott-Aldrich Syndrome. *Biol Blood Marrow Transplant*. 2018 Mar;24(3):537-541
- Heczey A, **Heslop HE, Brenner MK**, et al. CAR T Cells Administered in Combination with Lymphodepletion and PD-1 Inhibition to Patients with Neuroblastoma. *Mol Ther*. 2017 Sep 6;25(9):2214-2224
- Ahmed N, Brawley V, **Brenner MK, Heslop HE**, et al. HER2-Specific Chimeric Antigen Receptor-Modified Virus-Specific T Cells for Progressive Glioblastoma: A Phase 1 Dose-Escalation Trial. *JAMA Oncol*. 2017 Aug 1;3(8):1094-1101
- Liu K, **Lin F-T, Lin W-C**, et al. Mutant p53 perturbs replication checkpoint response through TopBP1 and Treslin. *Proc Natl Acad Sci, USA*, 2017; 114(19):E3766-E3775
- **Lulla P**, Hill L, Ramos C, Heslop H. The use of chimeric antigen receptor T cells in patients with non-Hodgkin lymphoma. *Clin Adv Hematol Oncol*. 2018 May;16(5):375-386
- Bajgain P, **Lulla P, Brenner M**, et al. CAR T cell therapy for breast cancer: harnessing the tumor milieu to drive T cell activation. *J Immunother Cancer*. 2018 May 10;6(1):34
- Tzannou I, Nicholas S, **Lulla P**, et al. Immunologic Profiling of Human Metapneumovirus for the Development of Targeted Immunotherapy. *J Infect Dis*. 2017 216(6):678-687
- Aguayo-Hiraldo P, Arasaratnam R, **Lulla P**, et al. Characterizing the Cellular Immune Response to Parainfluenza Virus 3. *J Infect Dis*. 2017 Jul 15;216(2):153-161
- **Mamonkin M**, Mukherjee M, Srinivasan M, et al. Reversible Transgene Expression Reduces Fratricide and Permits 4-1BB Costimulation of CAR T Cells Directed to T-cell Malignancies. *Cancer Immunol Res*. 2018 Jan;6(1):47-58
- Dong J, Wong L, **Mims M**. Mitochondrial inheritance and cancer. *Transl Res*. 2018 Jun 25. [Epub ahead of print]

### Publications & Press continued

- Flaig T, Plets M, **Mitsiades N**, et al. Abiraterone Acetate for Metastatic Prostate Cancer in Patients With Suboptimal Biochemical Response to Hormone Induction. *JAMA Oncol.* 2017 Nov 9;3(11):e170231
- Geng C, Kaochar S, **Mitsiades N**, et al. SPOP regulates prostate epithelial cell proliferation and promotes ubiquitination and turnover of cMYC oncoprotein. *Oncogene* 2017 Aug 17;36(33):4767-4777
- Date R, Adams M, **Musher BL**, et al. A rare presentation of choroidal metastasis from primary esophageal adenocarcinoma successfully treated with intensity-modulated radiation therapy. *Am J Ophthalmol Case Rep.* 2018 Apr 23;11:19-22
- Balasubramanyam S, O'Donnell B, **Musher B**, et al. Evaluating Treatment Patterns for Small Cell Carcinoma of the Colon Using the National Cancer Database. *J Gastrointest Cancer.* 2018 Jan 22. [Epub ahead of print]
- Thypampil P, Yen M, **Musher B**, et al. Primary Neuroendocrine Tumor of the Orbit Presenting With Acute Proptosis. *Ophthalmic Plast Reconstr Surg.* 2018 Jan/Feb;34(1):e17-e19
- Barnes J, Ellis M, **Musher BL**, et al. Identification of Educational Gaps Among Oncologists Who Manage Patients with Pancreatic Cancer. *J Gastrointest Cancer.* 2017 Nov 27. [Epub ahead of print]
- Freitas-Martinez A, Shapiro J, **Nangia J**, et al. CME Part 1: Hair disorders in cancer patients. *J Am Acad Dermatol.* 2018 Apr 13. pii: S0190-9622(18)30529-2
- **Nangia J**. Quality of Life Matters: It Is Time to Integrate Scalp Cooling in Routine Clinical Practice. *J Oncol Pract.* 2018 Mar;14(3):157-158
- Gomes-Silva D, **Ramos C**. Cancer Immunotherapy Using CAR-T Cells: From the Research Bench to the Assembly Line. *Biotechnol J.* 2018 Feb;13(2)
- **Ramos C**, Ballard B, Zhang H, et al. Clinical and immunological responses after CD30-specific chimeric antigen receptor-redirection lymphocytes. *The Journal of Clinical Investigation.* 2017;127:3462-71
- Tzannou I, Papadopoulou A, **Ramos C**, et al. Off-the-Shelf Virus-Specific T Cells to Treat BK Virus, Human Herpesvirus 6, Cytomegalovirus, Epstein-Barr Virus, and Adenovirus Infections After Allogeneic Hematopoietic Stem-Cell Transplantation. *Journal of Clinical Oncology.* 35:3547-57
- Wapnir I, Price K, **Rimawi M**, et al. Efficacy of Chemotherapy for ER-Negative and ER-Positive Isolated Locoregional Recurrence of Breast Cancer: Final Analysis of the CALOR Trial. *J Clin Oncol.* 2018 Apr 10;36(11):1073- 1079
- Chang E, **Rivero G**, Patel N, et al. HIV-related Refractory Hodgkin Lymphoma: A Case Report of Complete Response to Nivolumab. *Clin Lymphoma Myeloma Leuk.* 2018 Feb;18(2):e143-e146
- Chang E, **Sabichi A**, **Yellapragada S**, et al. Nivolumab Treatment for Cancers in the HIV- infected Population. *J Immunother.* 2018 Jul 16. [Epub ahead of print]
- **Sada Y**, **Musher B**, **Smaglo BG**, et al. Prognostic value of neoadjuvant treatment response in locally advanced rectal cancer. *J Surg Res.* 2018 Jun;226:15-23
- Zou W, El-Serag H, **Sada Y**, et al. Determinants and Outcomes of Hospice Utilization Among Patients with Advance-Stage Hepatocellular Carcinoma in a Veteran Affairs Population. *Dig Dis Sci.* 2018 May;63(5):1173-1181
- Tran Cao HS, **Sada Y**, et al. The role of surgery and adjuvant therapy in lymph node-positive cancers of the gallbladder and intrahepatic bile ducts. *Cancer.* 2018 Jan 1;124(1):74-83
- Tran Cao H, Zhang Q, **Sada YH**, et al. Value of lymph node positivity in treatment planning for early stage pancreatic cancer. *Surgery.* 2017 Sep;162(3):557-567
- Mason M, Chang G, **Sada Y**, et al. National Quality Forum Colon Cancer Quality Metric Performance: How Are Hospitals Measuring Up? *Ann Surg.* 2017 Dec;266(6):1013-1020
- Giuliano M, Shaikh A, **Schiff R**, et al. Perspective on Circulating Tumor Cell Clusters: Why It Takes a Village to Metastasize. *Cancer Res.* 2018 Feb 15;78(4):845-852
- Wu Y, Zhang Z, **Schiff R**, et al. Tamoxifen Resistance in Breast Cancer Is Regulated by the EZH2-ERα-GREB1 Transcriptional Axis. *Cancer Res.* 2018 Feb 1;78(3):671-684
- Ito K, Park S, **Schiff R**, et al. PTK6 regulates growth and survival of endocrine therapy-resistant ER+ breast cancer cells. *NPJ Breast Cancer.* 2017 Nov 17;3:45
- Deeken J, Wang H, **Smaglo B**, et al. A phase I study of intravenous artesunate in patients with advanced solid tumor malignancies. *Cancer Chemother Pharmacol.* 2018 Mar;81(3):587-596
- Quadri H, **Smaglo B**, Morales S, et al. Gastric Adenocarcinoma: A Multimodal Approach. *Front Surg.* 2017 Aug 3;4:42
- **Srouf S**, Lee H, Nomie K, et al. Novel chemotherapy-free combination regimen for ibrutinib-resistant mantle cell lymphoma. *Br J Haematol.* 2018 May;181(4):561-564
- Jain P, Romaguera J, **Srouf S**, et al. Four-year follow-up of a single arm, phase II clinical trial of ibrutinib with rituximab (IR) in patients with relapsed/refractory mantle cell lymphoma (MCL). *Clin Lymphoma Myeloma Leuk.* 2017 Jul;17(7):450-456
- **Srouf S**, Machiorlatti M, Pierson N, et al. Impact of Health Care Insurance Status on Treatment Outcomes of Acute Myeloid Leukemia. *Clin Lymphoma Myeloma Leuk.* 2017 Jul;17(7):450-456
- **Srouf S**, Li S, Popat U. A randomized phase II study of standard-dose versus high-dose rituximab with BEAM in autologous stem cell transplantation for relapsed aggressive B-cell non-hodgkin lymphomas: long term results. *Br J Haematol.* 2017 Aug;178(4):561-570

- Wu Y, Liu W, **Thiagarajan P**, et al. Von Willebrand factor enhanced microvesicle-induced vascular leakage and coagulopathy in mice with traumatic brain injury. *Blood*. 2018 Jun 25. [Epub ahead of print]
- Zhou Y, Cai W, **Thiagarajan P**, et al. Lactadherin promotes microvesicle clearance to prevent coagulopathy and improves survival of severe TBI mice. *Blood*. 2018 Feb 1;131(5):563-572
- **Watanabe N, Hoyos V, Lulla P, Brenner MK**, et al. CAR T cell therapy for breast cancer: harnessing the tumor milieu to drive T cell activation. *J Immunother Cancer*. 2018 May 10;6(1):34
- Kumar A, Kim S, **Kamble R**, et al. Graft-versus-host disease in recipients of male unrelated donor compared with parous female sibling donor transplants. *Blood Adv*. 2018 May 8;2(9):1022-1031
- Strati P, Chihara D, **Kamble R**, et al. A phase I study of romidepsin and ifosfamide, carboplatin, etoposide for the treatment of patients with relapsed or refractory peripheral T- cell lymphoma. *Haematologica*. 2018 Apr 5. pii: haematol.2018.187617
- Wood W, Brazauskas R, **Kamble R**, et al. Country-Level Macroeconomic Indicators Predict Early Post-Allogeneic Hematopoietic Cell Transplantation Survival in Acute Lymphoblastic Leukemia: A CIBMTR Analysis. *Biol Blood Marrow Transplant*. 2018 Mar 19. pii: S1083- 8791(18)30129-0
- Turcotte L, Wang T, **Kamble R**, et al. Donor body mass index does not predict graft versus host disease following hematopoietic cell transplantation. *Bone Marrow Transplant*. 2018 Jul;53(7):932-937
- Casulo C, Friedberg J, **Kamble R**, et al. Autologous Transplantation in Follicular Lymphoma with Early Therapy Failure: A National LymphoCare Study and Center for International Blood and Marrow Transplant Research Analysis. *Biol Blood Marrow Transplant*. 2018 Jun;24(6):1163-1171
- Qayed M, Wang T, **Kamble R**, et al. Influence of Age on Acute and Chronic GVHD in Children Undergoing HLA-Identical Sibling Bone Marrow Transplantation for Acute Leukemia: Implications for Prophylaxis. *Biol Blood Marrow Transplant*. 2018 Mar;24(3):521-528
- Arnold S, Brazauskas R, **Kamble R**, et al. Clinical risks and healthcare utilization of hematopoietic cell transplantation for sickle cell disease in the USA using merged databases. *Haematologica*. 2017 Nov;102(11):1823-1832
- Gabriel M, Shaw B, **Kamble R**, et al. Risk Factors for Subsequent Central Nervous System Tumors in Pediatric Allogeneic Hematopoietic Cell Transplant: A Study from the Center for International Blood and Marrow Transplant Research (CIBMTR). *Biol Blood Marrow Transplant*. 2017 Aug;23(8):1320-1326
- Vrooman L, Millard H, **Kamble R**, et al. Survival and Late Effects after Allogeneic Hematopoietic Cell Transplantation for Hematologic Malignancy at Less than Three Years of Age. *Biol Blood Marrow Transplant*. 2017 Aug;23(8):1327-1334
- **Mims M** (2017) *Thromboembolic Disease in Critical Care Obstetrics, Sixth Edition edited by Critical Care Obstetrics, 5th edition*. Edited by M. Belfort, G. Saade, M. Foley, J. Phelan and G. Dildy. Blackwell Publishing Ltd.
- Yates R and **Mims M** (2017) *Testicular Cancer: Nonseminomatous Germ Cell Tumors: Early Stage, Late Stage in Handbook of Prostate Cancer and Other Genitourinary Malignancies*. (2017) (editors: Teresa G Hayes, MD, PhD, Martha Mims, MD, PhD, Jennifer Taylor, MD). Demos Medical Publishing, New York, New York
- Kang G and **Mims M** (2017) *Testicular Cancer: Controversies in Management in Handbook of Prostate Cancer and Other Genitourinary Malignancies*. (2017) (editors: Teresa G Hayes, MD, PhD, Martha Mims, MD, PhD, Jennifer Taylor, MD). Demos Medical Publishing, New York, New York
- **Sosa R** and Udden M (2017). Critical Care in Obstetrics. In M. Belfort, J. Phelan, G. Saade, M. Foley. *Sickle Cell Disease and Pregnancy*. (in press)
- **Srouf SA** and Qazilbash M. Chronic Myeloid Leukemias in: *The Bethesda Handbook of Clinical Oncology*. Editors: Jame Abraham and James L. Gulley. 5th edition. 2017. In Press

## EDITORIAL POSITIONS

- **Brenner, M**: Editor and Chief Molecular Therapy
- **Heslop, H**: Editorial Board: Blood Journal, Hematology News, Cytotherapy, Deputy Editor: Molecular Therapy, Associate Editor: Blood
- **Mims, M**: Associate Editor: Translational Research
- **Mitsiades, N**: Editorial Board: Endocrine Related Cancer, International Journal of Oncology, Journal of the Endocrine Society
- **Musher, B**: Clinical Gastroenterology and Hepatology reviewer (ad hoc); New England Journal of Medicine reviewer (ad hoc)
- **Osborne, C K**: Editorial Board: Breast Cancer Research, Cancer Research
- **Rivero, G**: Associate Editor: Blood Research and Disorders Journal
- **Sabichi, A**: Editorial Board, The Scientific World Journal; Editorial Board, New Journal of Science

---

## Section of Immunology, Allergy and Rheumatology

---

### OUR FACULTY

Sandeep K. Agarwal,  
*Chief, Section of Immunology,  
Allergy and Rheumatology*  
Joan Appleyard  
David B. Corry,  
*Director of Allergy and  
Clinical Immunology*  
Sana Hasan  
Grace Hsiao-Wei Lo  
Rashmi Maganti  
Donald Marcus  
Marissa Meissner  
Frank Orson  
Eun Joo Park  
Tara Rizvi  
Antony Rodriguez  
Roger D. Rossen  
Tiphonie Vogel  
Li-Yuan Yu-Lee

The year 2018 has been a year of transitions and successes that will serve as the foundation for future growth of The Section of Immunology, Allergy and Rheumatology. We are a small faculty, but truly represent the “little engine that could.” Our faculty, trainees and staff make important contributions to the education, research and clinical missions of Baylor College of Medicine, which we herein recognize.

First, I would like to thank Dr. David Corry for his leadership and service to our Section. Dr. Corry has served as Chief of our Section since 2011. Under his leadership, the section has developed a strong foundation of excellence in medical education, research and patient care upon which we will grow in coming years. In February of 2018, Dr. Corry transitioned to the role of Vice-Chair of Immunology in the Department of Pathology, while maintaining many of his commitments to our Section. As such, I was appointed Chief of the Section of Immunology, Allergy and Rheumatology in February of 2018.

In the past year, faculty members in the Section have published 46 peer-reviewed manuscripts. Research programs were supported by 14 grants from the National Institutes of Health, CPRIT and foundations, including one grant supporting the start of our clinic trials program. Faculty members have also given 12 invited seminars to local, national and international audiences. Finally, our Section is the home of the Biology of Inflammation Center, which provides research and educational support for immune-related diseases across the entire College.

I would also like to recognize all of the important contributions that our Section makes in the clinical and educational missions. Our physicians provide outstanding, patient-centered care across all of our clinical pavilions, including the Baylor Clinic, Baylor St. Luke’s Medical Center, the Michael E. DeBakey VA Medical Center, Texas Children’s Hospital, Harris Health Smith Clinic and Ben Taub General Hospital. All levels of trainees, including medical students, graduate students, physician-assistant students, internal medicine residents, postdoctoral fellows and clinical fellows benefit greatly from our commitment to mentoring and teaching. Our clinical fellowship training programs, led by Dr. Agarwal (Rheumatology) and Dr. Corry (Immunology and Allergy), are completely dedicated to the clinical and scholarly development of our fellows and continue to train outstanding physicians.

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



**Sandeep K. Agarwal, M.D., Ph.D.**  
*Chief, Section of Immunology, Allergy and Rheumatology  
Rheumatology Fellowship Program Director  
Director, Biology of Inflammation Center  
Cullen Trust for Healthcare Endowed Chair in Immunology*

---

---

## AWARDS & HONORS

- **Sandeep K. Agarwal, MD, PhD:** Appointed Chief, Section of Immunology, Allergy and Rheumatology
- **Sandeep K. Agarwal, MD, PhD:** Cullen Trust for Healthcare Endowed Chair in Immunology (2018- current)
- **Sandeep K. Agarwal, MD, PhD:** Rheumatology Research Foundation Study Section C, Chairman
- **Sandeep K. Agarwal, MD, PhD:** Scleroderma Foundation, Grant Review Study Section, Chairman
- **Sandeep K. Agarwal, MD, PhD:** Serving as a Faculty Senator in the Baylor College of Medicine Faculty Senate
- **Joan Appleyard, MD:** Invited to join Spondyloarthritis research and treatment network (SPARTAN)
- **David Corry, MD:** Clarence and Irene H. Fulbright Chair in Pathology (March, 2018- current)
- **David Corry, MD:** Appointed Vice Chair for Immunology, Department of Pathology & Immunology
- **David Corry, MD:** Serving as Executive Director, Baylor Scott and White Research Institute- Baylor College of Medicine Affiliation
- **Grace Lo, MD, MS:** Editorial board member for Osteoarthritis and Cartilage
- **Rashmi Maganti, MD:** Appointed Medical Director of Rheumatology Clinic at the Baylor College of Medicine Faculty Group Practice
- **Antony Rodriguez, PhD:** Gillson Longenbaugh Foundation Award
- **Tiphonie Vogel, MD, PhD:** Thrasher Early Career Award
- **Tiphonie Vogel, MD, PhD:** The Kelly Award for Juvenile Arthritis Research
- **Tiphonie Vogel, MD, PhD:** Arthritis National Research Foundation Scholar
- **Tiphonie Vogel, MD, PhD:** Editorial board member, Frontiers in Immunology, Primary Immunodeficiencies
- **Tiphonie Vogel, MD, PhD:** Editorial board member, Frontiers in Pediatrics, Pediatric Immunology



---

## PROFESSIONAL ORGANIZATIONS

- **Sandeep K. Agarwal, MD, PhD:** American Association of Immunology – Member
- **Sandeep K. Agarwal, MD, PhD:** American College of Rheumatology – Member
- **Sandeep K. Agarwal, MD, PhD:** American Thoracic Society – Member
- **Joan Appleyard, MD:** American College of Rheumatology – Member
- **Joan Appleyard, MD:** Spondylitis Research and Treatment Network (SPARTAN) – Member
- **David Corry, MD:** American Association of Allergy, Asthma, and Immunology – Member
- **David Corry, MD:** American Clinical and Climatological Association – Member
- **David Corry, MD:** American Society for Clinical Investigation – Member
- **David Corry, MD:** Association of American Physicians – Member
- **David Corry, MD:** Society for Mucosal Immunology – Member
- **Sana Hasan, MD:** Allergy, Asthma & Immunology Society
- **Sana Hasan, MD:** The Greater Houston Allergy, Asthma & Immunology Society
- **Onome Ifoeze (Whiteru), MD:** Alliance for Academic Internal Medicine – Member
- **Onome Ifoeze (Whiteru), MD:** American College of Physicians – Member
- **Onome Ifoeze (Whiteru), MD:** American College of Rheumatology – Member
- **Onome Ifoeze (Whiteru), MD:** S.L.E. Lupus Foundation – Member
- **Grace Lo, MD, MS:** American College of Rheumatology – Member
- **Grace Lo, MD, MS:** Osteoarthritis Research Society International – Member
- **Rashmi Maganti, MD:** American College of Rheumatology – Member
- **Donald Marcus, MD:** American College of Rheumatology – Master
- **Antony Rodriguez, PhD:** Genetics Society - Member
- **Tiphonie Vogel, MD, PhD:** American Academy of Pediatrics—Member
- **Tiphonie Vogel, MD, PhD:** American College of Rheumatology—Member
  - AMIGO Mentorship Program—Mentor and Mentee
- **Tiphonie Vogel, MD, PhD:** American Association of Immunologists--Member
- **Tiphonie Vogel, MD, PhD:** Childhood Arthritis and Rheumatology Research Alliance—Member
  - Scientific Advisory Committee—Member
- **Tiphonie Vogel, MD, PhD:** Clinical Immunology Society—Member
- **Tiphonie Vogel, MD, PhD:** Federation of Clinical Immunology Societies—Member

## RESEARCH FUNDING

- **Sandeep K. Agarwal, MD, PhD:** Cadherin-11 Regulation of Dermal Fibrosis and Macrophage Function. Funding Agency: NIH/NIAMS, R01, 1R01AR062056-01A. Role: Principal Investigator
- **Sandeep K. Agarwal, MD, PhD:** Targeting STAT3 in systemic sclerosis and dermal fibrosis. Established Investigator Award. Funding Agency: Scleroderma Foundation. Role: Principal Investigator
- **David Corry, MD:** Fungal Pathogenesis of Moderate to Severe Asthma. Funding Agency: NIH; R01, AI135803. Role: Principal Investigator

---

**“ We are a small faculty, but truly represent the ‘little engine that could.’ ”**

---

- **David Corry, MD:** Immunology Scientist Training Grant Funding Agency: NIH/NIAID, T32, AI053831. Role: Principal Investigator
- **David Corry, MD:** Mechanism and function of Let-7, a novel modulator of Th17-dependent emphysema. Funding Agency: NIH/NHLBI, R01 HL140398 Role: Principal Investigator
- **Grace Lo, MD, MS:** Feasibility of a Novel Approach to Studying Early Knee Osteoarthritis: an Offspring Study. Funding Agency: NIH/NIAMS, R03 AR069323. Role: Principal Investigator
- **Grace Lo, MD, MS:** Modifiable Risk Factors for Incident and Progressive Early Knee Osteoarthritis (Lo). Funding Agency: NIH/NIAMS, K32, 1K23AR062127-01. Role: Principal Investigator
- **Rashmi Maganti, MD:** A randomized, double-blind, placebo controlled multicenter phase 2 dose- ranging study to assess the safety and efficacy of multiple VA736 doses administered subcutaneously in patients with moderate to severe primary Sjogren's syndrome. Funding Agency: Novartis Pharmaceuticals. Role: Site Principal Investigator
- **Antony Rodriguez, PhD:** Role of let-7 microRNA in chronic obstructive pulmonary disease. Funding Agency: Gillson Longenbaugh Foundation Award. Role: Principal Investigator
- **Antony Rodriguez, PhD:** Mechanism and function of let-7, a novel modulator of Th17-dependent emphysema. Funding agency: NIH/NHLBI, R01 HL140398. Role: Co-Investigator
- **Tiphonie Vogel, MD, PhD:** BRIDGE, Baylor Rheumatology Initiative: Developing and Guiding Engagement. Funding Agency: Rheumatology Research Foundation Medical Student Preceptorship Role: Principal Investigator
- **Tiphonie Vogel, MD, PhD:** Undiagnosed Diseases Network (UDN). Funding Agency: NIH, 1 U01 HG007709-01 (Brendan Lee, PI). Role: Co-Investigator
- **Tiphonie Vogel, MD, PhD:** A Targeted Approach to Cytokine Blockade in Juvenile Arthritis (Vogel) Funding Agency: Thrasher Research Fund Role: Principal Investigator
- **Tiphonie Vogel, MD, PhD:** Validating STAT3 as a Therapeutic Target in Arthritis (Vogel) Funding Agency: Arthritis National Research Foundation Grant Role: Principal Investigator
- **Li-yuan Yu-Lee, PhD:** Endothelial-to-osteoblast conversion in prostate cancer bone metastasis. Funding Agency: NIH Multi-PI RO1; CA174798-06A1. Role: Principal Investigator
- **Li-yuan Yu-Lee, PhD:** Polo-like Kinase 1 as a Novel Molecular Target for the Treatment of Asthma. Funding Agency: Biology of Inflammation Center. Role: Principal Investigator
- **Li-yuan Yu-Lee, PhD:** Regulation of Dormancy of Metastatic Prostate Cancer Cells by Bone Microenvironment. Funding Agency: Cancer Prevention and Research Institute of Texas. Role: Co-Investigator

## PUBLICATIONS & PRESS

### Journal Articles

- Wu M, Baron M, **Agarwal S**, et al. CCL-2 in circulation predicts long-term progression of interstitial lung disease in early systemic sclerosis: data from two independent cohorts. *Arthritis and Rheumatology*. 69(9):1871-78, 2017
- **Pedroza M, To S, Agarwal S**, et al. Role of STAT3 in skin fibrosis and TGF-beta signaling. *Rheumatology*. Epub 2017
- **Pedroza M, Welschhans R, Agarwal S**. Targeting of cadherin-11 decreases dermal fibrosis in the tight skin-1 mouse model. *PLoS One*. 12(11): e0187109, 2017
- Mah AY, Rashidi A, **Agarwal S**, et al. Glycolytic requirement for NK cell cytotoxicity and cytomegalovirus control. *Journal of Clinical Investigation Insight*. 2(23), pii 95128, 2017
- Niravath P, **Agarwal S, Welschhans R**, et al. Vitamin D levels, vitamin D receptor polymorphisms, and inflammatory cytokines in aromatase inhibitor- induced arthralgias: An analysis of CCTG MA.27. *Clinical Breast Cancer*. 19(1):78-87, 2018
- Karmouty-Quintana H, Molina J, **Agarwal S**, et al. The anti-fibrotic effect of adenosine A2B receptor antagonism in a mouse model of dermal fibrosis. *Arthritis and Rheumatology*, Epub May 2018
- Hong M, Gu B, **Corry D**, et al. Protective Role of gd T cells in Cigarette Smoke and Influenza Infection. *Mucosal Immunology* 2017; 11(3):894-908
- Liang D, Tian L, **Corry D**, et al. AIMp1 Potentiates TH1 Polarization and Is Critical for Effective Antitumor and Antiviral Immunity. *Frontiers Immunology* 2017; 8:1801
- Li E, Tsai C-L, **Corry D**, et al. Benefits of antifungal therapy in asthma patients with airway mycosis: a retrospective cohort analysis. *Immunology Inflammatory Diseases* 2018; 6:264-275
- You R, DeMayo F, **Corry D**, et al. IL17A Regulates Tumor Latency and Metastasis in Lung Adeno and Squamous SQ.2b and AD.1 Cancer. *Cancer Immunology Research* 2018; 6:645-657
- Knight J, Mandal P, **Corry D**, et al. Small Molecule Targeting of the STAT5/6 Src Homology 2 (SH2) Domains to Inhibit Allergic Airway Disease. *Journal Biology Chemistry* 2018. doi: 10.1074/jbc.RA117.000567
- Cho M., Lee J, **Corry D**, et al. Fibrinogen cleavage products and Toll-like receptor 4 promote the generation of programmed cell death 1 ligand 2-positive dendritic cells in allergic asthma. *Journal Allergy Clinical Immunology* 2018. 142: 530-541.e6
- Tung H-Y, Li E, **Corry D**, et al. Advances and Evolving Concepts in Allergic Asthma. *Seminars Respiratory Critical Care Medicine* 2018. 39:64-81
- Gu B-H, Madison M, **Corry DB**, et al. Matrix Remodeling in Chronic Lung Diseases. *Matrix Biology* 2018 pii: S0945-053X(17)30372-4

### Journal Articles continued

- Knight J, Li E, **Corry D**, et al. A Fungal Protease Model to Interrogate Allergic Lung Immunity. *Methods Molecular Biology* 2018. 1799:1-9
- Li E, **Rossen R, Corry D**, et al. Benefits of antifungal therapy in asthma patients with airway mycosis: A retrospective cohort analysis. *Immunology Inflammatory Diseases*. 2018 Jun;6(2):264-275
- **Lo G**, Strayhorn M, et al. Subjective Crepitus as a Risk Factor for Incident Symptomatic Knee Osteoarthritis: Data from the Osteoarthritis Initiative. *Arthritis Care and Research (Hoboken)*. 2018 Jan;70(1):53-60
- **Lo G**, Driban J, Price L, Eaton C, McAlindon T. Systolic and Pulse Pressure Associate with Incident Knee Osteoarthritis: Data from the Osteoarthritis Initiative. *Clinical Rheumatology*. 2017 Sep;36(9):2121-2128
- Davis J, Price L, **Lo G**, et al. A single recent injury is a potent risk factor for the development of accelerated knee osteoarthritis: data from the osteoarthritis initiative. *Rheumatology International*. 2017 Oct;37(10):1759-1764
- **Lo G**, Merchant M, Driban J, et al. Knee Alignment is Quantitatively Related to Periarticular Bone Morphometry and Density, Especially in those with Osteoarthritis. *Arthritis Rheumatology*. 2018 Feb;70(2):212-221
- Malaty H, **Lo G**, Hou J. Characterization and prevalence of spondyloarthritis and peripheral arthritis among patients with inflammatory bowel disease. *Clinical and Experimental Gastroenterology*. 2017 Sep 27;10:259-263
- Stout A, Barbe M, **Lo G**, et al. Inflammation and glucose homeostasis are associated with specific structural features among adults without knee osteoarthritis: a cross-sectional study from the osteoarthritis initiative. *BMC Musculoskeletal Disorders*. 2018 Jan 5;19(1):1921-6
- **Lo G**, Schneider E, Driban J, et al. Periarticular Bone Predicts Knee Osteoarthritis Progression Data from the Osteoarthritis Initiative. *Seminars of Arthritis and Rheumatism*. 2018 Jan 31. E-pub ahead of print
- Driban J, McAlindon T, **Lo G**, et al. Risk Factors can Classify Individuals who Develop Accelerated Knee Osteoarthritis: Data from the Osteoarthritis Initiative. *Journal of Orthopedic Research*. 2018 Mar;36(3):876-880
- Davis J, Harkey M, **Lo G**, et al. Characterizing the distinct structural changes associated with self-reported knee injury among individuals with incident knee osteoarthritis: Data from the osteoarthritis initiative. *Clinical Anatomy*. 2018 Apr;31(3):330-334
- Davis J, Liu S, **Lo G**, et al. Adults with incident accelerated knee osteoarthritis are more likely to receive a knee replacement: data from the Osteoarthritis Initiative. *Clinical Rheumatology*. 2018 Apr;37(4):1115-1118
- MacKay J, Kapoor G, **Lo G**, et al. Association of subchondral bone texture on magnetic resonance imaging with radiographic knee osteoarthritis progression: data from the Osteoarthritis Initiative Bone Ancillary Study. *European Radiology*. 2018 May 2
- **Lo G**, Musa S, Driban J, et al. Running does not increase symptoms or structural progression in people with knee osteoarthritis: data from the osteoarthritis initiative. *Clinical Rheumatology*. 2018 May 4. E-pub ahead of print
- Harkey M, Price L, **Lo G**, et al. Declining Walking Speed Associates with Increasing Bone Marrow Lesion Volume and Effusion Volume in Individuals with Accelerated Knee Osteoarthritis. *Arthritis Care Res (Hoboken)*. 2018 Jun 8. doi: Epub ahead of print
- **Marcus D**. Acupuncture and sham acupuncture for pain relief. *JAMA* 2017; 318:1502-1503
- **Marcus D**. Noninvasive treatments for acute, subacute and chronic low back pain. *Annals Internal Medicine* 2017; 167:832
- **Marcus D**. Chondroitin sulfate for knee osteoarthritis *Annals Rheumatic Diseases* 2018 Jun;77(6):e27
- Kadmon C, Landers C, **Rodriguez A**, et al. MicroRNA-22 controls interferon alpha production and erythroid maturation in response to infectious stress in mice. *Experimental Hematology*. 2017;56:7-15
- **Li E, Maskatia Z, Rossen R, Corry D**, et al. Benefits of antifungal therapy in asthma patients with airway mycosis: A retrospective cohort analysis. *Immunology Inflammatory Diseases*. 2018 Jun;6(2):264-275
- Orandi A, **Vogel T**, Keppel M, Utterson E, Cooper M. Azathioprine- associated complete NK cell deficiency. *Journal of Clinical Immunology* (2017) 37:514
- Romberg N, **Vogel T**, Canna S. NLR4 inflammasomopathies. *Current Opinion in Allergy and Clinical Immunology* (2017) 6:398
- Xia J, Miller C, **Vogel T**, et al. Somatic mutations and clonal hematopoiesis in congenital neutropenia. *Blood* (2018) 131:408
- Fabre A, Marchal S, **Vogel T**, et al. STAT3 GOF: a new kid on the block in interstitial lung diseases. *Am J Respir Crit Care Med* (2018) 197:e22
- Zeng H, Ortiz A, **Yu-Lee L-Y**, et al. Angiomotin regulates prostate cancer cell proliferation by signaling through Hippo-YAP pathway. *Oncotarget* 2017. 8:10145-10160
- Lin S-C, Lee Y-C, **Yu-Lee L-Y**, et al. Endothelial-to-osteoblast conversion generates osteoblastic metastasis of prostate cancer. *Developmental Cell* 2017. 41:467-480
- Bilen M, Pan T, **Yu-Lee L-Y**, et al. Proteomics profiling of exosomes from primary mouse osteoblasts under proliferation versus mineralization conditions and characterization of their uptake into prostate cancer cells. *J Proteome Res* 2017. 16:2709-2728

- Lockyer P, Mao H, **Yu-Lee L-Y**, et al. LRP1-dependent BMPER signaling regulates lipopolysaccharide-induced vascular inflammation. *Arteriosclerosis Thrombosis and Vascular Biology* 2017. 37:467-480
- Yu K-J, Li J, **Yu-Lee L-Y**, et al. Cabozantinib-induced osteoblast secretome promotes survival and migration of metastatic prostate cancer cells in bone. *Oncotarget* 2017. 8:74987-75006
- Pan T, Yu K-J, **Yu-Lee L-Y**, et al. BIGH3 promotes osteolytic lesions in renal cell carcinoma bone metastasis by inhibiting osteoblast differentiation. *Neoplasia* 2018. 20:32-43
- Yu G, Cheng C-J, **Yu-Lee L-Y**, et al. Organelle-derived acetyl-CoA promotes prostate cancer cell survival, migration, and metastasis via activation of calmodulin kinase II. *Cancer Research* 2018. 78:2490-2502. PMID: 29535221
- **Yu-Lee L-Y**, Yu G, Lee Y-C, et al. Osteoblast-secreted factors mediate dormancy of metastatic prostate cancer in the bone via activation of the TGFβRIII-p38MAPK-pS249/T252RB pathway. *Cancer Research* 2018. 78:2911-2924

#### Books, Book Chapters, and Videos

- Kivitz SJ, **Agarwal SK**, Sebba A. Solving the problem of choice in rheumatoid arthritis therapy selection. Online CME. March 2018. [https://primeinc.org/cme/online/1541/Solving\\_the\\_Problem\\_of\\_Choice\\_in\\_Rheumatoid\\_Arthritis\\_Therapy\\_Selection](https://primeinc.org/cme/online/1541/Solving_the_Problem_of_Choice_in_Rheumatoid_Arthritis_Therapy_Selection)
- **Corry DB**, Kheradmand F, Luong A, Pandit L. 41. Immunological mechanisms of airway diseases and pathways to therapy. In: *Clinical Immunology*. Ed: Rich RR, Fleisher TA, Shearer WT, Schroeder HW, Frew AJ, Weyand CM. Elsevier, London, UK, 2018, pp. 491-505

#### Presentations and Seminars

- **Sandeep K. Agarwal, MD, PhD**: "Joint Pain and Arthritis", Weekley YMCA Silver Sneakers Seminar, Houston, TX. October 2017
- **Sandeep K. Agarwal, MD, PhD**: "Case Based Problem Solving in Psoriatic Disease and Atopic Dermatitis" PRIME Federal Seminar Series, Orlando, FL. October 2017
- **Sandeep K. Agarwal, MD, PhD**: "Case Based Problem Solving in Psoriatic Disease and Atopic Dermatitis" PRIME Federal Seminar Series, Chicago, IL. October 2017
- **Sandeep K. Agarwal, MD, PhD**: "Autoimmune interstitial lung disease", BCM Pulmonary Seminar, Houston, TX. December 2017
- **Sandeep K. Agarwal, MD, PhD**: "Update on Psoriatic Arthritis", Northwest Houston Medical Center Grand Rounds. Houston, TX. April 2018.
- **Joan Appleyard, MD**: "Perioperative management of anti-rheumatic medications," Michael E. DeBakey Veterans Administration Medical Center Grand Rounds. May 2018
- **David Corry, MD**: Airway mycosis and allergic airway disease, Aberdeen Scotland, January 2018

- David Corry, MD: The coagulation-immune nexus in allergic inflammation, Suzhou, China, December 2017
- Tiphonie Vogel, MD: "Periodic and Recurrent Fevers" American Academy of Pediatrics National Conference and Exhibition. Chicago, Illinois. September 2017
- Tiphonie Vogel, MD: "Introduction to Tissue Culture." Developing Investigative Scholars Program Lecture Series. Texas Children's Hospital, Houston, Texas. July 2017
- Tiphonie Vogel, MD: "STAT3 GOF syndrome: Searching for Broad Insight using a Rare Disease." Texas Children's Research Seminars, Houston, Texas. November 2017
- Tiphonie Vogel, MD: "Autoinflammation." Adult Rheumatology Fellows' Research Conference

#### Media Releases

- Sandeep K. Agarwal, MD, PhD: NIH-NIAMS Spotlight on Research. Interview by NIH-NIAMS regarding publication in *Arthritis and Rheumatology*. <https://www.niams.nih.gov/newsroom/spotlight-on-research/researchers-identify-potential-biomarker-serious-scleroderma>
- David Corry, MD: "David vs Goliath: how small molecule can defeat asthma attacks" Baylor College of Medicine, From the Labs <https://blogs.bcm.edu/2018/06/12/david-vs-goliath-how-a-small-molecule-can-defeat-asthma-attacks/>
- Grace Lo, MD, MS: Online report by Helio.com summarizing and highlighting publication in *Arthritis Care and Research* on crepitus and symptomatic knee osteoarthritis. <https://www.healio.com/rheumatology/osteoporosis-and-bone-disorders/news/online/%7Bb40c17a6-5591-4a17-a901-57fab25308f%7D/creaky-knees-can-predict-symptomatic-osteoarthritis>
- Grace Lo, MD, MS: Online video by Arthritis Care and Research highlighting publication in *Arthritis Care and Research* on crepitus and symptomatic knee osteoarthritis. <https://vimeo.com/246493963>

---

## Section of **Infectious Diseases**

---

### **OUR FACULTY**

Ume Abbas  
Mayar Al Mohajer  
Monisha Arya  
Robert Atmar  
Major Bradshaw  
Katharine Breaux  
Galant Chan  
Elizabeth Chiao  
Andrew Chou  
Bich Dang  
Charlene Flash  
Thomas Giordano  
Richard Hamill  
Vagish Hemmige  
Penny Jaffe  
Oyebunmi Kutemi  
Daniel Mendoza

Cezarina Mindru  
Daniel Musher  
George Parkerson  
Shital Patel  
Alejandro Restrepo  
Maria Rodriguez-Barradas  
Stacey Rose  
Jose Serpa-Alvarez  
Shahriar Tavakoli Tabasi  
Laila Woc-Colburn  
Edward Young  
Rabih Darouiche  
Andrew DiNardo  
Hana El Sahly  
Wendy Keitel  
Rojelio Mejia  
Jill Weatherhead

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

Dr. Thomas Giordano is the Chief of the Section. Dr. Robert Atmar is Chief of the Infectious Diseases Service at Ben Taub Hospital, Dr. Maria Rodriguez-Barradas is Chief of the Infectious Diseases Service at the Michael E. DeBakey VA Medical Center and Dr. Laila Woc-Colburn is Medical Director of Infectious Diseases for the Baylor Faculty Group Practice. Dr. Jose Serpa is Program Director for the Infectious Diseases fellowship training program, and Dr. Prathit Kulkarni is Associate Program Director. Ms. Regina Davis is the Section Administrator.



The Section provides most of the adult infectious diseases clinical care at BSLMC; all of the adult infectious diseases care at the McNair Clinic, MEDVAMC, BTH and Smith Clinic; about half of the HIV care at TSHC (McGovern School of Medicine faculty also staff the clinic); and all of the adult infectious diseases consultation services at the Pavilion for Women and Texas Children's Hospital. The Section provides critical Infectious Diseases clinical expertise to many of the Transplant Services at BSLMC and McNair clinic. The Section provides critical Infection Prevention and Antibiotic Stewardship services at BSLMC, MEDVAMC and BTH. Decreasing hospital-acquired infections is essential for patient safety, hospital reputation and hospital rankings.

The Section provides outstanding medical education leadership and teaching to the College, including the School of Medicine, the School of Allied Health Sciences, the Graduate School of Biomedical Sciences and the National School of Tropical Medicine. The Section's faculty lead and provide the majority of lectures for the School of Medicine's core course on Infectious Diseases, the National School of Tropical Medicine's Diploma in Tropical Medicine course and the School of Allied Health Sciences' lectures and case studies on infectious diseases. In addition, at the School of Medicine the faculty host elective clinical rotations, and provide leadership in research electives, wellness and specialty electives, the International Medicine Program and the Global Health Track and serve on the Curriculum Committee.

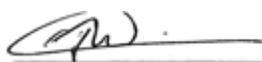
The Section is research-focused, with support from NIH, VA, CDC, HRSA, industry and other sources and over 200 non-duplicated publications since January 2015.

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

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

Sincerely,

**Thomas P. Giordano, MD, MPH**



---

## AWARDS & HONORS

- **Atmar:** USDA/NIFA Partnership Award, Innovative Programs and Projects
- **Breaux:** Selected by the National Commission on Certification of Physician Assistants (NCCPA) as one of “50 PAs Making a Difference” out of the more than 115,500 Certified PAs
- **Mejia:** Appreciation Award from BCM Center of Excellence Research Summit, June 19, 2018
- **Parkerson:** Norton Rose Fulbright Faculty Achievement Award in Teaching and Evaluation, November 2017
- **Rose:** AAMC Early Career Women Faculty Leadership Development Seminar Attendee (July 2017)
- **Rose:** AAMC Te4Q (Teach for Quality) Faculty Development Course Attendee (November 2017)
- **Rose:** Accreditation Council for Graduate Medical Education (ACGME) Back to Bedside Awardee (Faculty mentor) (one of 30 projects selected among 223 applications; notified in October 2017)
- **Rose:** Author and Faculty Presenter for “Peer-to-Peer Pearls: Improving Trainee Wellness Through Shared Experiences.” Accepted as a 90-minute workshop for the national Accreditation Council for Graduate Medical Education (ACGME) Annual Educational Conference, Orlando, FL, March 2, 2018
- **Rose:** Texas Super Doctors Rising Stars 2018 (notified January 2018; to be published in Texas Monthly in July 2018) (peer selection process, recognizing top 2.5% of physicians in the area)
- **Serpa:** Advanced to Fellow of the American College of Physicians, 2017
- **Weatherhead:** Advanced to Fellow of the American Academy of Pediatrics, 2017

## PROFESSIONAL ORGANIZATIONS

### Al Mohajer

- Member, BCM Department of Medicine Quality Improvement and Innovation Vice Chair Group and Liaison for Infectious Diseases Section, September 2017 – present
- Member, Finance Committee, Infectious Diseases Society of America
- Member, Public Policy and Government Affairs Committee, Society for Healthcare Epidemiology of America
- Member, Grassroots Network Committee, Society for Healthcare Epidemiology of America
- Member, Antimicrobial Stewardship Executive Committee, Houston Health Department

### Atmar

- Vice-chair, IRB5, Baylor College of Medicine
- Vice-chair, Institutional Biosafety Committee, Baylor College of Medicine
- Chair, Institutional Dual Use of Research Concern Committee, Baylor College of Medicine

### Chiao

- Chair, Non-AIDS Defining Cancer Working Group AIDS Malignancy Consortium
- Member, BCM Department of Medicine Research Vice Chair Group and Liaison for Infectious Diseases Section

### Dang

- Member, The Leadership Advisory Council, Center for Innovations in Quality, Effectiveness and Safety, Michael E. DeBakey VA Medical Center, Houston, TX

---

“ *Decreasing hospital-acquired infections is essential for patient safety, hospital reputation and hospital rankings.* ”

---

### Giordano

- Chief, Section of Infectious Diseases, Department of Medicine, Baylor College of Medicine
- Medical Director of HIV Services and the Thomas Street Health Center, Harris Health System, Houston, TX
- Chief, Clinical Epidemiology and Comparative Effectiveness Program, Center for Innovations in Quality, Effectiveness and Safety, Michael E. DeBakey VA Medical Center, Houston, TX
- Co-Chair, Policy and Research Work Group, END HIV Houston
- Member, Faculty Development Forum, Baylor College of Medicine
- Vice-Chair, Faculty and Staff Development, Department of Medicine, May 2017 to June 2018

### Hamill

- Vice-Chair for Education, Department of Medicine, Baylor College of Medicine
- Chair, Subcommittee for Research Safety, Michael E. DeBakey VA Medical Center

### Mindru

- President, Houston Infectious Diseases Society

### Rose

- Co-chair, Texas ACP Wellness Committee
- National Well-being Champion, ACP (Texas representative)
- Invited Member / BCM Representative, Physician Engagement Resiliency Task Force, Resident Well-being Subgroup, The Methodist Hospital
- BCM Medical Student Liaison program, January 2016 – present
- BCM BeWell Wellness Champion, August 2017 – present
- Member, BCM Resident Service and Evaluation Committee
- Member, BCM Department of Medicine Grand Rounds Planning Committee
- Faculty Chair, BCM Internal Medicine Resident Wellness Committee
- Member, BCM Department of Medicine Education Vice Chair Group and Liaison for Infectious Diseases Section

### Weatherhead

- American Society of Tropical Medicine and Hygiene Certificate of Knowledge Exam (cTropMed), Committee Member

### Woc-Colburn

- Member, BCM Department of Medicine Faculty and Staff Development Vice Chair Group and Liaison for Infectious Diseases Section
- Member and Chair-Elect, Baylor College of Medicine Faculty Senate

## RESEARCH FUNDING

- **Atmar, Robert Legare** - Year 15 - Research Training In Infections And Immunity. National Institute Of Allergy And Infectious Diseases (Niaid). T32-ai055413- 15. (6/8/2018 - 5/31/2019)
- **Chiao, Elizabeth Yu** - Year 11: The Effectiveness Of Screening Hiv-infected Women For Anal Cancer Precursors. National Cancer Institute (Nci). Um1-ca121947 11. (9/1/2017 - 8/31/2018)
- **Chiao, Elizabeth Yu** - Year 11: The Effectiveness Of Screening Hiv-infected Women For Anal Cancer Precursors. National Cancer Institute (Nci). Um1- Ca121947-11 Amd 4. (9/1/2017 - 8/31/2018)
- **Chiao, Elizabeth Yu** - Year 3: (Pq3) Identifying Novel Pharmacologic Risk Factors For Common Non-aids Defining Cancers In Individuals With Well-controlled Hiv Infection. National Cancer Institute (Nci). R01-ca206476- 03. (6/1/2018 - 5/31/2019)
- **Chiao, Elizabeth Yu** - Year 3: (Pq3) Identifying Novel Pharmacologic Risk Factors For Common Non-aids Defining Cancers In Individuals With Well-controlled Hiv Infection. National Cancer Institute (Nci). R01-ca206476- 03 Rev. (6/1/2018 - 5/31/2019)
- **Chiao, Elizabeth Yu** - Annual Anal Sampling Using Dna Screening To Identify Men Who Have Sex With Men At Increased Risk For Anal Cancer. National Institutes Of Health (Nih). R01-ca215403 01a1. (9/15/2017 - 8/31/2018)
- **Chiao, Elizabeth Yu** - Clinical Site Agreement To Conduct Aids Malignancy Consortium (Amc) Clinical Trials. National Cancer Institute (Nci). (2018)
- **Chiao, Elizabeth Yu** - Texas Neuroaids Research Center. National Institutes Of Health (Nih). U24-mh100930-06. (3/1/2018 - 2/28/2019)
- **Dang, Bich Ngoc** - Year 4: Patient Satisfaction, Retention In Hiv Care, And Adherence To Art. National Institute Of Mental Health (Nimh). K23-mh100965- 04. 7/1/2017 - 6/30/2018)
- **Dang, Bich Ngoc** - Junior Faculty Seed Award. Bcm. (7/1/2017 - 6/30/2018)
- **Dang, Bich Ngoc** - Seed. Medvamc. (10/1/2017 - 9/30/2018)
- **Darouiche, Rabih** - Air Barrier System To Reduce Contamination Of Wounds During Surgery. Nih. 3 R44 Gm095005- 07s2. (01/2010 - 08/2019)
- **Darouiche, Rabih** - Air Barrier System To Reduce Contamination Of Wounds During Surgery. Nih. 3 R44 Gm095005- 07s1. (01/2010 - 08/2019)
- **Darouiche, Rabih** - Air Barrier System To Reduce Contamination Of Wounds During Surgery. Nih. 5 R44 Gm095005-07. (01/2010 - 08/2019)
- **El Sahly, Hana M.** - Task Orders 17 - Up: Vaccine And Treatment Evaluation Units (Vteu). Nih. 5 Hhsn 272201300015i To13 Mod1. (09/2013 - 09/2023)

### Research Funding continued

- **Flash, Charlene A** - Year 3: Developing An Implementation Program To Optimize Prep Uptake Among Black Women In Primary Care Settings. Nih: National Institutes Of Health. K23-mh109358- 03. (9/1/2017 - 8/31/2018)
- **Flash, Charlene A** - Houston Hiv Preexposure Prophylaxis Demonstration Project. Gilead Sciences, Inc. (2018)
- **Giordano, Thomas Peter** - Brief Personalized Feedback Intervention For Hazardous Drinking In An Hiv Clinic. National Institutes Of Health (Nih). R34-aa023739. (2/1/2018 - 1/31/2019)
- **Giordano, Thomas Peter** - Obtain Saliva Samples From A Cross-section Of Patients/Controls. National Institutes Of Health (Nih). R44-de021672-03. (3/1/2018 - 8/31/2018)
- **Hamill, Richard** - Resident Physician Expansion Grant Program: Md Anderson Cancer Center Residency Affiliation. Texas Higher Education Coordinating Board. (2017 - 2018)
- **Hamill, Richard** - Resident Physician Expansion Grant Program: Primary Care Enhancement. Texas Higher Education Coordinating Board. (2017 - 2018)
- **Mindru, Cesarina** - Va Cooperative Study (Csp2001 Trial- Investigation Of Rifampin To Reduce Pedal Amputations For Osteomyelitis In Diabetics - va Intrepid. Department Of Veterans Affairs. (12/1/2017 - 11/30/2020)
- **Patel, Shital Mahendra** - Medical Director For South Central Aids Education And Training Center Region 6- Scaetc Program. Health Resources & Services Administration (Hrsa). U10-ha29290. (7/1/2017 - 6/30/2018)
- **Patel, Shital Mahendra** - Vrc 705: 17x160q: A Phase 2b, Randomized, Placebo-controlled Trial To Evaluate The Safety, Immunogenicity And Efficacy Of Azika Virus Dna Vaccine, Vrc-zkadna085-00-vp, In Health Adults And Adolescents. National Institutes Of Health (Nih). Hhsn- 2612015000031. (9/25/2017 - 9/24/2019)
- **Rodriguez-Barradas, Maria C** - Year 7: Alcohol And Multisubstance Use In The Veterans Aging Cohort Study: 2/6 Compaaas U01: Observation Study. National Institute On Alcohol Abuse And Alcoholism (Niaaa). U01-aa020790- 07. (9/1/2017 - 8/31/2018)
- **Rodriguez-Barradas, Maria C** - Randomized Trial To Prevent Vascular Events In Hiv - Reprieve(A5332). Kowa Pharmaceuticals America, Inc. (2018)
- **Rodriguez-Barradas, Maria C** - "A5332: Randomized Trial To Prevent Vascular Events In Hiv - Reprieve" Supplemental Funding Research Services Agreement. National Institutes Of Health (Nih). (2018)
- **Rodriguez-Barradas, Maria C** - Novva: Active Surveillance To Quantify The Burden Of Viral Gastroenteritis In U.S. Veterans Affairs (Va) Patient Population. Centers For Disease Control (Cdc). (10/1/2017 - 9/30/2018)

- **Serpa-Alvarez, Jose A.** - 2017 Idsa Annual Meeting - Id Fellowship Travel Grant. Janssen Scientific Affairs, Llc. Ft16465. (9/12/2017 - 12/31/2017)
- **Weatherhead, Jill** - Pediatric Pilot Award. Texas Children's Hospital.( 07/01/17 - 12/30/18)

### PUBLICATIONS & PRESS

- Zahid U, Sagar F, Al Mohajer M, Majeed A. Management of Recurrent Clostridium difficile Infection During Intensive Chemotherapy and Stem Cell Transplantation for Leukemia: Case with Literature Review. Cureus. 2018 Apr 2;10(4):e2413
- Taweel I, Beatty N, Duarte A, Nix D, Matthias K, Al Mohajer M. Significance of bacteriuria in patients with end-stage renal disease on hemodialysis. Avicenna J Med. 2018 Apr-Jun;8(2):51-54
- Beatty NL, Marquez J, Al Mohajer M. Skin Manifestations of Primary Vibrio vulnificus Septicemia. Am J Trop Med Hyg. 2017 Jul;97(1):1-2
- Arya M, Marek HG, Marren RE, Hemmige V, Street RL Jr, Giordano TP. Development and Evaluation of a Physician-Targeted Video to Promote HIV Screening. Health Promot Pract. 2018 Jun 1:1524839918783742
- Phillips AL, Patel S, Kumar D, Arya M. Letter to the Editor Regarding "HIV Testing at Visits to Physicians' Offices in the U.S., 2009-2012". Am J Prev Med. 2018 May;54(5):724-725
- Baumann KE, Hemmige V, Kallen MA, Street RL, Giordano TP, Arya M. Whether Patients Want It or Not, Physician Recommendations Will Convince Them to Accept HIV Testing. J Int Assoc Provid AIDS Care. 2018 Jan-Dec;17:2325957417752258
- Grigoryan L, Zoorob R, Shah J, Wang H, Arya M, Trautner BW. Antibiotic Prescribing for Uncomplicated Acute Bronchitis Is Highest in Younger Adults. Antibiotics (Basel). 2017 Oct 27;6(4). pii: E22
- Arya M, Huang A, Kumar D, Hemmige V, Street R Jr, Giordano T. The Promise of Patient- Centered Text Messages for Encouraging HIV Testing in an Underserved Population. J Assoc Nurses AIDS Care. 2018 Jan - Feb;29(1):101-106
- Mulligan M, Stapleton J, El Sahly H, Patel S, Atmar R, et al. Tularemia vaccine: Safety, reactogenicity, "Take" skin reactions, and antibody responses following vaccination with a new lot of the Francisella tularensis live vaccine strain - A phase 2 randomized clinical Trial. Vaccine 35:4730-7, 2017 epub 2017 Jul 24
- Sharma S, Atmar R, Estes M, et al. Human Sera Collected between 1979 and 2010 Possess Blocking-Antibody Titers to Pandemic GII.4 Noroviruses Isolated over Three Decades. J Virol. 2017 Jun 26;91(14). pii: e00567-17. Print 2017 Jul 15
- Shanker S, Atmar R, Estes M, et al. Structural features of glycan recognition among viral pathogens. Curr Opin Struct Biol, 44:211-218, 2017 epub 2017 Jun 4

- Cortes-Penfield N, Ramani S, Estes M, Atmar R. Prospects and challenges in the development of a norovirus vaccine. *Clin Ther*. 39:1537-49, 2017 epub 2017 Jul 26
- Serpa J, Rueda A, Rodriguez-Barradas M, et al. Long-term Use of Proton Pump Inhibitors Is Associated with Increased Microbial Product Translocation, Innate Immune Activation, and Reduced Immunologic Recovery in Patients With Chronic Human Immunodeficiency Virus-1 Infection. *Clin Infect Dis*. 2017 Oct 30;65(10):1638-1643
- Butame S, Lawler S, Chiao E, et al. A qualitative investigation among men who have sex with men on the acceptability of performing a self- or partner anal exam to screen for anal cancer. *Cancer Causes Control*. 2017 Oct;28(10):1157-1166
- Deshmukh A, Chiao E, et al. Adjuvant HPV vaccination for anal cancer prevention in HIV-positive men who have sex with men: The time is now. *Vaccine*. 2017 Sep 12;35(38):5102-5109
- Royse K, Lee J, Chiao E, et al. Disparities in Kaposi sarcoma incidence and survival in the United States: 2000-2013. *PLoS One*. 2017 Aug 22;12(8):e0182750
- Nyitray A, Hicks J, Chiao E, et al. A phase II clinical study to assess the feasibility of self and partner anal examinations to detect anal canal abnormalities including anal cancer. *Sex Transm Infect*. 2018 Mar;94(2):124-130
- Biggerstaff KS, Garcia J, Chiao E, Kramer J, et al. Validity of code based algorithms to identify primary open angle glaucoma (POAG) in Veterans Affairs (VA) administrative databases. *Ophthalmic Epidemiol*. 2018 Apr;25(2):162-168
- Deshmukh A, Chiao E, et al. Management of precancerous anal intraepithelial lesions in human immunodeficiency virus-positive men who have sex with men: Clinical effectiveness and cost-effectiveness. *Cancer*. 2017 Dec 1;123(23):4709-4719
- Sonawane K, Suk R, Chiao E, et al. Oral Human Papillomavirus Infection: Differences in Prevalence Between Sexes and Concordance with Genital Human Papillomavirus Infection, NHANES 2011 to 2014. *Ann Intern Med*. 2017 Nov 21;167(10):714-724
- Chang E, Rivero G, Chiao E, et al. HIV-related Refractory Hodgkin Lymphoma: A Case Report of Complete Response to Nivolumab. *Clin Lymphoma Myeloma Leuk*. 2018 Feb;18(2): e143-e146
- Hwang J, Giordano S, Chiao E, et al. Low Rate of Cervical Cancer Screening among Women with Hematologic Malignancies after Stem Cell Transplant. *Biol Blood Marrow Transplant*. 2018 May;24(5):1094-1098
- Cranston R, Cespedes M, Chiao E, et al. High Baseline Anal Human Papillomavirus and Abnormal Anal Cytology in a Phase 3 Trial of the Quadrivalent Human Papillomavirus Vaccine in Human Immunodeficiency Virus-Infected Individuals Older Than 26 Years: ACTG 5298. *Sex Transm Dis*. 2018 Apr;45(4):266-271
- Wilkin T, Chen H, Chiao E, et al. A randomized, placebo-controlled trial of the quadrivalent HPV vaccine in HIV-infected adults age 27 years or older: AIDS Clinical Trials Group protocol A5298. *Clin Infect Dis*. 2018 Apr 5
- Thrift A, Chiao E. Are Non-HIV Malignancies Increased in the HIV-Infected Population? *Curr Infect Dis Rep*. 2018 May 26;20(8):22
- Deshmukh A, Shirvani S, Chiao E, et al. The Association Between Dietary Quality and Overall and Cancer-Specific Mortality Among Cancer Survivors, NHANES III. *JNCI Cancer Spectr*. 2018 Apr;2(2): pky022
- Conley Z, Bodine T, Chou A, Zechiedrich L. Wicked: The untold story of ciprofloxacin. *PLoS Pathog*. 2018 Mar 1;14(3):e1006805
- Stewart D, Dang B, Trautner B, Cai C, Torres S, Turner T. Assessing residents' knowledge of patient satisfaction: a cross-sectional study at a large academic medical centre. *BMJ Open*. 2017 Aug 21;7(8): e017100
- Dandachi D, Dang B, Wilson Dib R, Friedman H, Giordano T. Knowledge of HIV Testing Guidelines Among US Internal Medicine Residents: A Decade After the Centers for Disease Control and Prevention's Routine HIV Testing Recommendations. *AIDS Patient Care STDS*. 2018 May;32(5):175-180
- Dang B, Graham D. Helicobacter pylori infection and antibiotic resistance: a WHO high priority? *Nat Rev Gastroenterol Hepatol*. 2017 Jul;14(7):383-384
- Voigt J, Mosier M, Darouiche R. Private Rooms in Low Acuity Settings: A Systematic Review of the Literature. *HERD*. 2018 Jan;11(1):57-74
- Zhu Z, Yu F, Chen H, Zhang L, et al. Coating of silicone with mannoside-PAMAM dendrimers to enhance formation of non-pathogenic Escherichia coli biofilms against colonization of uropathogens. *Acta Biomater*. 2017 Dec; 64:200-210
- Boulavsky J, Rodriguez-Waitkus P, Woc-Colburn L, et al. Sporotrichoid pattern of Mycobacterium chelonae-abscessus infection. *Cutis*. 2017 Sep;100(3): E4-E5
- DiNardo A, Secor W, Mejia R, et al. Schistosomiasis Induces Persistent DNA Methylation and Tuberculosis-Specific Immune Changes. *J Immunol*. 2018 Jul 1;201(1):124-133. doi: 10.4049/jimmunol.1800101. Epub 2018 May 11
- Lange C, Alghamdi W, Peloquin CA, et al. Perspectives for personalized therapy for patients with multidrug-resistant tuberculosis. *J Intern Med*. 2018 May 28. doi: 10.1111/joim.12780. [Epub ahead of print]
- El Sahly H, Udayamurthy M, Parkerson G, Hasbun R. Survival of an AIDS patient after infection with Acanthamoeba sp. of the central nervous system. *Infection*. 2017 Oct;45(5):715-718

### Publications & Press continued

- Jackson L, El Sahly H, et al. Randomized clinical trial of a single versus a double dose of 13-valent pneumococcal conjugate vaccine in adults 55 through 74 years of age previously vaccinated with 23-valent pneumococcal polysaccharide vaccine. *Vaccine*. 2018 Jan 29;36(5):606-614
- Flash C, Giordano T, et al. Correlates of Linkage to HIV Preexposure Prophylaxis Among HIV-Testing Clients. *J Acquir Immune Defic Syndr*. 2018 Apr 1;77(4):365-372
- Flash C, Frost E, Giordano T, Cully J, et al. HIV Pre-exposure Prophylaxis Program Implementation Using Intervention Mapping. *Am J Prev Med*. 2018 Apr;54(4):519-529
- Mayer K, Chan P, Flash C, et al. Evolving Models and Ongoing Challenges for HIV Preexposure Prophylaxis Implementation in the United States. *J Acquir Immune Defic Syndr*. 2018 Feb 1;77(2):119-127
- Giordano T. Strategies for Linkage to and Engagement with Care: Focus on Intervention. *Top Antivir Med*. 2018 Jun;26(2):62-65
- Gardner L, Marks G, Giordano T, et al. Gaps Up To 9 Months Between HIV Primary Care Visits Do Not Worsen Viral Load. *AIDS Patient Care STDS*. 2018 Apr;32(4):157-164. doi: 10.1089/apc.2018.0001
- White D, Giordano T, et al. Acute HIV Discovered During Routine HIV Screening With HIV Antigen-Antibody Combination Tests in 9 US Emergency Departments. *Ann Emerg Med*. 2018 Jul;72(1):29-40.e2. doi: 10.1016/j.annemergmed.2017.11.027. Epub 2018 Jan 6
- Stirratt M, Marks G, Giordano T. Characterising HIV transmission risk among US patients with HIV in care: a cross-sectional study of sexual risk behaviour among individuals with viral load above 1500 copies/mL. *Sex Transm Infect*. 2018 May;94(3):206-211
- Allencherril J, Bruera S, Allencherril R, Hamill R. Lone Hepatocellular Carcinoma: An Isolated Chest Wall Malignancy. *Case Rep Med*. 2017;2017:3531823
- Ashong CN, Hamill R, Musher D, et al. Adherence to clinical practice guidelines for the treatment of candidemia at a Veterans Affairs Medical Center. *Int J Health Sci (Qassim)*. 2017 Jul-Sep;11(3):18-23
- Kamath R, Sudhakar D, Gardner J, Hemmige V, Safar H, Musher D. Guidelines vs Actual Management of Skin and Soft Tissue Infections in the Emergency Department. *Open Forum Infect Dis*. 2018 Jan 12;5(1)
- Vaughan E, Hyman D, Hernandez D, Hemmige V, Foreyt J. Dual Therapy Appears Superior to Monotherapy for Low-Income Individuals With Newly Diagnosed Type 2 Diabetes. *J Prim Care Community Health*. 2017 Oct;8(4):305-311
- Afzal Z, Hemmige V, Musher D, et al. Acute Febrile Illness and Complications Due to Murine Typhus, Texas, USA. *Emerg Infect Dis*. 2017 Aug;23(8):1268-1273
- Jackson L, El Sahly H, et al. Randomized clinical trial of a single versus a double dose of 13-valent pneumococcal conjugate vaccine in adults 55 through 74 years of age previously vaccinated with 23-valent pneumococcal polysaccharide vaccine. *Vaccine*. 2018 Jan 29;36(5):606-614
- Desai S, Asch D, Bellini L, iCOMPARE Research Group (includes Hamill R). Education outcomes in a duty-hour flexibility trial in internal medicine. *N Engl J Med* 2018 Apr 19;378(16):1494-1508
- Shelburne S, Hamill R. Mycotic diseases, In: *Current Medical Diagnosis and Treatment 2019*. McPhee SJ, Papadakis MA, Rabow MW (eds.) McGraw Hill, New York, NY (book chapter)
- Diemert D, Mejia R, et al. Controlled Human Hookworm Infection: Accelerating Human Hookworm Vaccine Development. *Open Forum Infect Dis*. 2018 Apr 19;5(5): ofy083
- Papaiakevou M, Pilotte N, Mejia R, et al. A novel, species-specific, real-time PCR assay for the detection of the emerging zoonotic parasite *Ancylostoma ceylanicum* in human stool. *PLoS Negl Trop Dis*. 2017 Jul 10;11(7):e0005734
- Weatherhead J, Hotez P, Mejia R. The Global State of Helminth Control and Elimination in Children. *Pediatr Clin North Am*. 2017 Aug;64(4):867-877
- McKenna M, McAtee S, Hotez P, Mejia R, et al. Human Intestinal Parasite Burden and Poor Sanitation in Rural Alabama. *Am J Trop Med Hyg*. 2017 Nov;97(5):1623-1628
- Marcantonio Y, Kulkarni P, Lee J, et al. Disseminated *Pasteurella multocida* infection: Cellulitis, osteomyelitis, and myositis. *IDCases*. 2017 Sep 15;10:68-70
- Kumar D, Cortés-Penfield N, El-Haddad H, Musher D. Bowel Perforation Resulting in Necrotizing Soft-Tissue Infection of the Abdomen, Flank, and Lower Extremities. *Surg Infect (Larchmt)*. 2018 Jul;19(5):467-472. doi: 10.1089/sur.2018.022. Epub 2018 Jun 12
- Lin W, Kruse R, Yang K, Musher D. Diagnosis and management of pulmonary infection due to *Rhodococcus equi*. *Clin Microbiol Infect*. 2018 May 16. pii: S1198-743X(18)30400-2
- Kamat I, Ramachandran V, Eswaran H, Abers M, Musher D. Low procalcitonin, community acquired pneumonia, and antibiotic therapy. *Lancet Infect Dis*. 2018 May;18(5):496-497
- Gardner J, Rueda A, Musher D. Acute Onset of Pneumococcal Pneumonia Following Instrumentation of the Respiratory Tract. *Open Forum Infect Dis*. 2018 Apr 2;5(4):ofy047
- Musher D. Polysaccharide Antibody Deficiency: Specific or General? *Clin Infect Dis*. 2018 Feb 1;66(4):636-637

- Abers M, Musher D. Procalcitonin as a Marker of Etiology in Community-Acquired Pneumonia. *Clin Infect Dis*. 2018 May 2;66(10):1639
- Musher D, Abers M, Bartlett J. Evolving Understanding of the Causes of Pneumonia in Adults, With Special Attention to the Role of Pneumococcus. *Clin Infect Dis*. 2017 Oct 30;65(10):1736-1744
- Sharafkhaneh A, Tavakoli-Tabasi S, Musher D. Mortality in Patients Admitted for Concurrent COPD Exacerbation and Pneumonia. *COPD*. 2017 Aug;14(4):462
- Kaka A, Filice G, Kuskowski M, Musher D. Does active hepatitis C virus infection increase the risk for infection due to *Staphylococcus aureus*? *Eur J Clin Microbiol Infect Dis*. 2017 Jul;36(7):1217-1223
- Lai L, Roupheal N, et al. Innate, T-, and B-Cell Responses in Acute Human Zika Patients. *Clin Infect Dis*. 2018 Jan 6;66(1):1-10
- Sofjan A, Musgrove R, Beyda N, et al. Prevalence and predictors of spontaneous bacterial peritonitis due to ceftriaxone-resistant organisms at a large tertiary centre in the USA. *J Glob Antimicrob Resist*. 2018 May 26;15:41-47
- Arasaratnam R, Restrepo A. Posttransplant Lymphoproliferative Disease Presenting as an Extracranial Mass. *Case Rep Transplant*. 2017;2017:6401086. Epub 2017 Oct 11
- Hajjar J, Restrepo A, et al. Multiple Brain Abscesses Caused by *Trichosporon inkin* in a Patient with X-Linked Chronic Granulomatous Disease (CGD) Successfully Treated with Antifungal Therapy. *J Clin Immunol*. 2017 Aug;37(6):519-523
- Park LS, Tate JP, Rodriguez-Barradas M, et al. Association of Viral Suppression With Lower AIDS-Defining and Non-AIDS-Defining Cancer Incidence in HIV-Infected Veterans: A Prospective Cohort Study. *Ann Intern Med*. 2018 Jul 17;169(2):87-96
- Mgbere O, Rodriguez-Barradas M, Vigil K, et al. Systemic Delays in the Initiation of Antiretroviral Therapy for Clinically Eligible HIV-Infected Patients in Houston, Texas: The Providers' Report Card. *J Int Assoc Provid AIDS Care*. 2018 Jan-Dec;17:2325958218774042
- Marconi V, Duncan M, Rodriguez-Barradas M, et al. Bilirubin Is Inversely Associated With Cardiovascular Disease Among HIV-Positive and HIV-Negative Individuals in VACS (Veterans Aging Cohort Study). *J Am Heart Assoc*. 2018 May 2;7(10)
- Frederick J, Brown A, Rodriguez-Barradas M, et al. Protecting Healthcare Personnel in Outpatient Settings: The Influence of Mandatory Versus Non-mandatory Influenza Vaccination Policies on Workplace Absenteeism During Multiple Respiratory Virus Seasons. *Infect Control Hosp Epidemiol*. 2018 Apr;39(4):452-461
- Triplette M, Justice A, Rodriguez-Barradas M, et al. Markers of chronic obstructive pulmonary disease are associated with mortality in people living with HIV. *AIDS*. 2018 Feb 20;32(4):487-493
- Rodriguez-Barradas M, Villarreal E, Ross M, Serpa J, et al. Reply to Fätkenheuer et al. *Clin Infect Dis*. 2017 Oct 30;65(10):1767-1768

**“ The Section of Infectious Diseases provides outstanding state-of-the-art clinical care and creates and applies knowledge through research, scientific discovery and medical education and training locally and globally.**

### *Publications & Press continued*

- Serpa J, Rueda A, Rodriguez-Barradas M, et al. Long-term Use of Proton Pump Inhibitors Is Associated With Increased Microbial Product Translocation, Innate Immune Activation, and Reduced Immunologic Recovery in Patients With Chronic Human Immunodeficiency Virus-1 Infection. *Clin Infect Dis*. 2017 Oct 30;65(10):1638-1643
- Byrne D, Goetz M, Rodriguez-Barradas M, et al. Risk of Acute Liver Injury After Statin Initiation by Human Immunodeficiency Virus and Chronic Hepatitis C Virus Infection Status. *Clin Infect Dis*. 2017 Oct 16;65(9):1542-1550
- Edelman E, Maisto S, Rodriguez-Barradas M, et al. Corrigendum to "The Starting Treatment for Ethanol in Primary care Trials (STEP Trials): Protocol for three parallel multi-site stepped care effectiveness studies for unhealthy alcohol use in HIV-positive patients" [Contemp. Clin. Trials 52 (2017) 80-90]. *Contemp Clin Trials*. 2017 Sep;60:125
- Taylor B, Goetz M, Rodriguez-Barradas M, Womack J, et al. HIV and Obesity Comorbidity Increase Interleukin 6 but Not Soluble CD14 or D-Dimer. *J Acquir Immune Defic Syndr*. 2017 Aug 15;75(5):500-508
- So-Armah K, Goetz M, Rodriguez-Barradas M, et al. FIB-4 stage of liver fibrosis predicts incident heart failure among HIV-infected and uninfected patients. *Hepatology*. 2017 Oct;66(4):1286-1295
- Sugui J, Rose S, Lee C, et al. Host immune status-specific production of gliotoxin and bis-methyl-gliotoxin during invasive aspergillosis in mice. *Sci Rep*. 2017 Sep 8;7(1):10977
- Sampaio E, Ding L, Rose S, et al. Novel STAT1 mutation disrupts small ubiquitin-related modifier (sumo) conjugation causing gain of function. *Journal of Allergy and Clinical Immunology*. 2017 Aug 28.pii: S0091-6749(17)31340-4
- Serpa J, Knights S, Farmakiotis D, Campbell J. Brucellosis in Adults and Children: A 10-Year Case Series at Two Large Academic Hospitals in Houston, Texas. *South Med J*. 2018 Jun;111(6):324-327
- Weatherhead J and Mejia R. Chapter 34: Eosinophilic Meningitis. Feigin and Cherry's Textbook of Pediatric Infectious Diseases. 8th edition. 2017
- Ramachandran V, Haruno L, Woc-Colburn L, et al. Chronic Osteomyelitis Caused by Haemophilus parainfluenzae: A Case Report. *JBJS Case Connect*. 2018 Jan-Mar;8(1):e20
- Hussain S, Blackstone E, Woc-Colburn L, et al. Randomized clinical trials of surgery for infective endocarditis: Reality versus expectations! *J Thorac Cardiovasc Surg*. 2018 Jan;155(1):74-75
- Bloch K, Myint T, Woc-Colburn L, Street A, et al. Improvement in Diagnosis of Histoplasma Meningitis by Combined Testing for Histoplasma Antigen and Immunoglobulin G and Immunoglobulin M Anti-Histoplasma Antibody in Cerebrospinal Fluid. *Clin Infect Dis*. 2018 Jan 6;66(1):89-94
- Harris N, Woc-Colburn L, Gunter S, et al. Autochthonous Chagas disease in the southern United States: A case report of suspected residential and military exposures. *Zoonoses Public Health*. 2017 Sep;64(6):491-493

## EDITORIAL POSITIONS

### Al Mohajer

- Ad hoc Reviewer, Transition Medicine Ligums Family Grant Reviews

### Atmar

- North American editor, Journal of Infection
- Editorial Board, Journal of Infectious Diseases
- NIH/NIAID/DMID, Member, Scientific Review Group, Member Conflict: Topics in Virology, ZRG1 IDM-X, July 25, 2017
- DSMB - NIH/NHLBI – Influenza Vaccine to Effectively Stop Cardio Thoracic Events and Decompensated Heart Failure (INVESTED), DSMB Member
- DSMB - NIH/NIAID/DMID Protocol No. 16-0092 – A Phase 2 Multi-Center, Prospective, Randomized, Double-Blind Study to Assess the Clinical and Antiviral Efficacy and Safety of Nitazoxanide for the Treatment of Norovirus in Hematopoietic
- Stem Cell and Solid Organ Transplant Recipients, DSMB Chairman
- Member, Advisory Committee on Immunization Practices (ACIP), CDC

### Chiao

- Ad hoc member NCI Board of Scientific Advisers for AIDS Malignancies
- Ad hoc member of NCI Committee to Develop an Important Questions on HIV Malignancy RFA
- Organizing committee for the International Conference on HIV Malignancies
- Organizing committee for Eurogin (European Conference on Gynecology)

### Chou

- Infectious Diseases Society of America Diagnostic Committee (Voting Member)
- Section Editor, Current Tropical Medicine Reports
- IDweek Abstract Reviewer

### DiNardo

- NIH/NIAID Member, Scientific Review Group, NIAID Clinical Trial Implementation Cooperative Agreement (U01), ZAI1 JRR-A (M2)

### Giordano

- Grant Reviewer, MEDVAMC Seed Grant Program, July 2017
- Ad hoc Reviewer, Einstein-Rockefeller-CUNY Center for AIDS Research Developmental Grant Program, August 2017
- Grant reviewer, Baylor College of Medicine Population Medicine – Precision Health pilot grant program, April 2018

- Scientific Track Chair (HIV Care Continuum), Scientific Planning Committee Member, Abstract Reviewer, and Faculty Member, Thirteenth International Conference on HIV Treatment and Prevention Adherence, Miami, FL, June 8-10, 2018
- Invited Judge, Baylor College of Medicine Department of Surgery Research Day, June 6, 2018
- Standing Member, National Institutes of Health, Behavioral and Social Consequences of HIV/AIDS (BSCH) Study Section, July 2012 to June 2018
- Member, US Department of Health and Human Services Panel on Antiretroviral Guidelines for Adults and Adolescents, March 2014 through February 2018; renewed by invitation March 2018 to February 2022
- Ad hoc Consultant, United States Food and Drug Administration Antimicrobial Drug Advisory Committee (formerly the Anti-Infective Drugs Advisory Committee), October 2014 through September 2018

### Hamill

- Associate Editor, Journal of Infection
- Member, NIH/CDC/HIV Medicine Association of the IDSA Cryptococcosis & Coccidioides Guideline Writing Subcommittee, HHS Guidelines for Prevention and Treatment of Opportunistic Infections in HIV-Infected Adults and Adolescents
- Member, NIAID Division of Microbiology & Infectious Diseases Data & Safety Monitoring Board for DMID Protocol 14-0053; a randomized, double-blind, placebo-controlled clinical trial of fluconazole as early empiric treatment of coccidioidomycosis pneumonia (Valley Fever) in adults presenting with community-acquired pneumonia (CAP) in endemic areas

### Mejia

- Associate Editor for Current Tropical Medicine Reports
- Associate Editor PLoS Neglected Tropical Diseases

### Mendoza

- Member, Infectious Diseases Society of America Journal Club
- Member, AIDS Clinical Trials Group End Organ Disease / Inflammation Transformative Group

### Mindru

- Judge, BCM Annual Resident Research Symposium

### Rose

- Monthly contributor (audio reviews) for Practical Reviews, Oakstone Publishing
- Abstract judge, Houston ACP Associates Day, Baylor College of Medicine

---

## Section of **Nephrology**

---

### **OUR FACULTY**

Wolfgang  
Winkelmayer  
Horacio Adrogué  
Medha Airy  
Jizhong Cheng  
George Dolson  
Garabed Eknoyan  
Kevin Erickson  
Zhaoyong Hu  
Deborah Hyink  
Paul Klotman  
Qingtian Li  
William Mitch  
Sankar  
Navaneethan  
Jingbo Niu  
Jenny Pan  
Jose Perez  
Rajeev Raghavan  
Venkat Ramanathan  
Sai Saridey  
Maulin Shah  
David  
Sheikh-Hamad  
Sandhya Thomas  
Chandan Vangala  
Carl Walther  
Jingyin Yan  
Liping Zhang

The academic year 2018 has been an exciting one for the Section of Nephrology. Our world-class faculty have made outstanding contributions in research and scholarship, education and clinical care. They have participated in numerous national and international activities and organizations. And our outpatient practice has moved to our brand-new, state-of-the-art facility at the McNair Campus on 7200 Cambridge.

This report lists some of the more tangible products delivered and awards and recognitions received during the 12-month period ending in June 2018. In addition, we have continued to provide top quality specialized kidney health care to our patients at our clinical sites within the Texas Medical Center and beyond. Our faculty group practice continues to excel in patient satisfaction and productivity.

Please enjoy and thank you for your interest.



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



## AWARDS & HONORS

- Section FGP Faculty and Staff: “That’s The Way 10k Award” Nephrology section award for most improvement in patient satisfaction (July 2017 to June 2018)
- Section FGP Faculty and Staff: Highest Ranking in Patient Experience – All-Star Winner for FY18 Quarter 3
- Adroque: Senior Faculty Teaching Award, Section of Nephrology, Baylor College of Medicine, June 2018
- Murthy: “Unsung Hero” Fellowship Award, Section of Nephrology, Baylor College of Medicine, June 2018
- Perez: Invited Delegate, KDIGO Controversies Conference on Dialysis Initiation, Madrid, Spain, January 2018
- Raghavan: PEEPSS – Inaugural member, Team Leader, BCM Center for Professionalism (February to September 2018)
- Saridey: Norton Rose Fulbright Faculty Excellence Award for Teaching and Evaluation, Baylor College of Medicine, May 2018
- Saridey: Star Award for Excellence in Patient Care, Baylor College of Medicine, May 2018 Thomas: Best Research Poster Award, American College of Cardiology, 2018
- Yan: Junior Faculty Teaching Award, Section of Nephrology, Baylor College of Medicine, June 2018

## PROFESSIONAL ORGANIZATIONS

- Erickson: Member, Quality, Patient Safety, and Clinical Practice Committee, American Society of Nephrology, Washington, D.C.
- Erickson: Member, PTAC Joint Working Group, American Society of Nephrology, Washington, D.C.
- Winkelmayr: Member, Quality, Patient Safety, and Clinical Practice Committee, American Society of Nephrology, Washington, D.C.
- Winkelmayr: Co-Chair, Kidney Disease: Improving Global Outcomes (KDIGO), Brussels, Belgium
- Winkelmayr: Member, Advisory Board, Chronic Kidney Disease Surveillance System, Center for Disease Control, Atlanta, GA
- Winkelmayr: Member, External Expert Panel, United States Renal Data System, National Institutes of Diabetes and Digestive and Kidney Diseases, Bethesda, MD
- Zhang: American Diabetes Association: Member, Research Grant Review Committee, Arlington, VA

## RESEARCH FUNDING

- **Cheng** (PI): Chronic kidney disease adversely influences vascular functions. NIH/NIDDK; R01 DK095867; 3/15/2013–1/31/2019
- **Cheng** (PI): Epigenetic alterations of GSTA4 regulate CKD-induced vascular remodeling American Heart Association; 7/1/2015–6/30/2018
- **Erickson** (PI): The Effect of Provider Market Competition of Health Outcomes in Dialysis. NIH/NIDDK, K23 DK101693; 4/1/2014-1/31/2019
- **Erickson** (PI): Dialysis Facility Closures and their Effect on Costs, Health Outcomes, and Access to Care. Carl W. Gottschalk Research Scholar Grant, American Society of Nephrology; 7/1/2017- 6/30/2019
- **Erickson** (PI): Nephrology Care and Employment after Starting Dialysis. National Kidney Foundation Research Grant Program – Southeast Texas Research Grant, National Kidney Foundation; 7/1/2017- 6/30/2019
- **Erickson** (Co-I; PI: Kanwal, BCM): Real-world Effectiveness and Impact of Elbasivir/Grazoprevir on Outcomes among HIV-Infected Patients. Merck & Co., Inc.; 9/1/2016-12/31/2017
- **Erickson** (PI): Junior Faculty Seed Funding Award; Baylor College of Medicine; 6/15/2018-6/30-2019
- **Hu** (PI): Mechanisms of Protein-Energy-Wasting in Chronic Kidney Disease. NIH/NIAMS, R01 DK063868; 7/1/2013-4/30/2019
- **Klotman** (PI): Long-term Consequences of HIV in the Kidney. NIH/NIDDK, P01 DK056402; 9/15/1999- 4/30/2022
- **Mandayam** (PI): Effect of Oral Ferric Citrate on ESA use in ESRD patients on Hemodialysis with high ferritin and low transferrin saturation. A pilot pragmatic clinic trial. Keryx Biopharmaceuticals. 8/1/2017- 7/31/2019
- **Mitch** (PI): Protein nutrition in experimental uremia. NIH/ NIDDK, R01/R37 DK037175; 9/1/1987- 3/31/2022
- **Navaneethan** (PI): Visceral adiposity and physical function in CKD. NIH/NIDDK R01 DK101500; 9/22/2015- 7/31/2019
- **Navaneethan** (PI): Prevalence, management and outcomes of iron deficiency anemia in CKD. Keryx Biopharmaceuticals; 1/12/2018- 12/31/2019
- **Pan** (PI): Stanniocalcin-1, Kidney Protection by AMPK. VA/CDA, IK2 BX002912; 1/1/2017-12/31/2021
- **Raghavan** (PI): Difficult Conversations in Nephrology: Communications Workshop; BCM Education Grant; 7/2017-6/2018
- **Sheikh-Hamad** (PI): Stanniocalcin-1, New Paradigms for Cytoprotection and Anti-inflammation. VA/Merit, I01 BX002006; 4/1/2014-3/31/2018
- **Thomas** (PI): Chronic Kidney Disease and Impaired Actions of Insulin. VA/CDA, IK2 BX002492; 4/1/2015-3/31/2020

### Research Funding continued

- **Wang** (PI): Cellular and Molecular Mechanisms of Renal Fibrosis. NIH/NIDDK, R01 DK095835; 9/3/2012-4/30/2022
- **Wang** (PI): Novel Mechanisms of Hypertensive Kidney Injury and Fibrosis. VA/Merit, I01 BX002650; 10/1/2015-9/30/2019
- **Winkelmayer** (PI): The Atrial Fibrillation – Factor Identification to Risk Modification Study in HD (AFFIRM-HD). NIH/NIDDK, R01 DK095024; 8/1/2012-5/31/2019
- **Winkelmayer** (Co-I and Site-PI): Pragmatic Trials in Hemodialysis. NIH/NIDDK; UH2/UH3 DK102384; 9/30/2012-8/31/2018
- **Winkelmayer** (Co-I and Site-PI): Establishing Core Outcomes in Haemodialysis. NHMRC (National Health and Medical Research Council of Australia); APP1098815; 1/1/2016-12/31/2018
- **Zhang** (Co-PI): Protein nutrition in experimental uremia. NIH/NIDDK, R01/R37 DK037175; 9/1/1987- 3/31/2022

## PUBLICATIONS & PRESS

### Journal Articles

- Adrogué HJ, Madias NE. Sodium-chloride difference as a simple parameter for acid-base status assessment. *Am J Kidney Dis* 2017; 69:708
- Adrogué HJ, Madias NE. Nonosmotic Na<sup>+</sup>-storage and the Edelman equation. *Kidney Int.* 2017; 92:514
- Airy M, Navaneethan S, Winkelmayer W, et al. Risk profiles for acute health events after incident atrial fibrillation in patients with end-stage renal disease on hemodialysis. *Nephrol Dial Transplant* 2017 Nov 13. doi:10.1093/ndt/gfx301
- Aymé S, Bockenhauer D, Winkelmayer W, et al. Common Elements in Rare Kidney Diseases: Conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. *Kidney Int* 2017; 92:796-808
- Baigent C, Herrington W, Winkelmayer W, et al. Challenges in Conducting Clinical Trials in Nephrology: Report from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. *Kidney Int* 2017; 92, 297–305
- Bansal N, Roy J, Navaneethan S, et al. Evolution of Echocardiographic Measures of Cardiac Disease From CKD to ESRD and Risk of All-Cause Mortality: Findings From the CRIC Study. *Am J Kidney Dis* 2018 May 18. doi:10.1053/j.ajkd.2018.02.363
- Brunelli S, Spiegel D, Winkelmayer W, et al. Serum-to- potassium gradient and its association with short-term outcomes in hemodialysis patients. *Nephrol Dial Transplant* 2017; DOI:10.1093/ndt/gfx241
- Cervantes L, Tuot D, Raghavan R, et al. Effect of Standard versus Emergency-only Hemodialysis on Mortality and Healthcare Use Among the Undocumented with End-stage Renal Disease: A retrospective cohort analysis. *JAMA Intern Med* 2018 Feb 1;178(2):188-195
- Cervantes L, Richardson S, Raghavan R, et al. Clinicians' Perspectives on Providing Emergency-Only Hemodialysis to Undocumented Immigrants with End-stage Renal Disease. *Ann Intern Med* 2018 May 22
- Dave N, Wu J, Thomas S. Chronic Kidney Disease-Induced Insulin Resistance: Current State of the Field. *Curr Diab Rep* 2018;18:44
- Deger S, Hung A, Mitch W, et al. Systemic Inflammation is Associated with Exaggerated Skeletal Muscle Protein Catabolism in Maintenance Hemodialysis Patients. *JCI Insight* 2017; Nov 16; 2(22)
- Dong J, Dong Y, Chen Z, Mitch WE, Zhang L. In CKD, the pathway to muscle fibrosis depends on myostatin stimulating the differentiation of fibro/adipogenic progenitor cells. *Kidney Int* 91:119-128, 2017
- Eckardt K, Bansal N, Winkelmayer W, et al. Improving the prognosis of patients with severely decreased glomerular filtration rate (CKD G4+): Conclusions from a KDIGO Controversies Conference. *Kidney Int* 2018; 93:1281-1292
- Eknayan G. On the contribution of Fernand Widal to the classification of chronic kidney disease. *G Ital Nefrol* 2018;35(Suppl 70):18-22
- Eknayan G. A history of uremia research. *J Ren Nutrition* 2017;27:449-452
- Erickson K, Zhao B, Ho V, Winkelmayer W. Employment among Patients Starting Dialysis in the United States. *Clin J Am Soc Nephrol* 2018;13:265–273
- Erickson K, Zheng Y, Ho V, Winkelmayer W, Bhattacharya J, Chertow G. Market Competition and Health Outcomes in Hemodialysis. *Health Serv Res* 2018; DOI: 10.1111/1475-6773.12835
- Erickson K, Qureshi S, Winkelmayer W. The Role of Big Data in the Development and Evaluation of U.S. Dialysis Care. *Am J Kidney Dis* 2018; doi:10.1053/j.ajkd.2018.04.007
- Fischer R, Vangala C, Truong L, Mandayam S, et al. Early detection of acute tubulointerstitial nephritis in the genesis of Mesoamerican nephropathy. *Kidney Int* 2018; 93:681-690
- Fischer R, Mandayam S, Chavarría D, et al. Clinical Evidence of Acute Mesoamerican Nephropathy. *Am J Trop Med Hyg* 2017; 97:1247-1256
- Grams ME, Sang Y, Navaneethan S, et al. Predicting timing of clinical outcomes in patients with chronic kidney disease and severely decreased glomerular filtration rate. *Kidney Int* 2018;93:1442-1451
- Guan C, Li Q, Song X, Xu W, Li L, Xu A. Antroquinonol Exerts Immunosuppressive Effect on CD8<sup>+</sup> T Cell Proliferation and Activation to Resist Depigmentation Induced by H<sub>2</sub>O<sub>2</sub>. *Oxid Med Cell Longev* 2017;2017:9303054. 2017 Dec 31

- Jardine M, Agarwal R, Wheeler D, CREDENCE study investigators (includes Mandayam S), et al. The Canagliflozin and Renal Endpoints in Diabetes with Established Nephropathy Clinical Evaluation (CREDENCE) Study Rationale, Design, and Baseline Characteristics. *Am J Nephrol* 2017; 46:462-472
- Kramer J, Erickson K, Cao Y, et al. Real-World Effectiveness of Elbasivir/Grazoprevir in HCV-Infected Patients in the US Veterans Affairs Healthcare System. *J Viral Hepat* 2018 May 31 [Epub ahead of print]. PMID 29851265
- Ku E, Kopple J, Navaneethan S, et al. Longitudinal Weight Change During CKD Progression and Its Association With Subsequent Mortality. *Am J Kidney Dis* 2018;71:657-665
- Kuten S, Patel S, Baru A, Gaber A, Crutchley R, Ramanathan V, Knight R. Belatacept conversion in an HIV-positive kidney transplant recipient following anti-thymocyte globulin induction. *Transpl Infect Dis* 2017;19(5)
- Lenihan C, Liu S, Deswal A, Montez-Rath M, Winkelmayer W. De novo heart failure after kidney transplantation: trends in incidence and outcomes. *Am J Kidney Dis* 2018; DOI: 10.1053/ajkd.2018.01.041
- Li J, An C, Kang L, Mitch W, Wang Y. Recent Advances in Magnetic Resonance Imaging Assessment of Renal Fibrosis. *Adv Chron Kidney Dis* 24:150-153
- Li Q, Lei F, Sheikh-Hamad D, et al. Megalin mediates plasma membrane to mitochondria cross-talk and regulates mitochondrial metabolism. *Cell Mol Life Sci* 2018 Jun 9. doi: 10.1007/s00018-018-2847-3. [Epub ahead of print]
- Liang H, Zhang Z, Mitch W, et al. The IL-4 receptor alpha has a critical role in bone marrow-derived fibroblast activation and renal fibrosis. *Kidney Int* 2017; 92:1433-1443
- Liang M, Yu M, Wang J, et al. Yap/Taz Deletion in Gli+ Cell-Derived Myofibroblasts Attenuates Fibrosis. *J Am Soc Nephrol* 2017; 28(11):3278-3290
- Luo J, Chen G, Liang L, et al. Reduced expression of glutathione S transferase alpha 4 promotes vascular neointimal hyperplasia in chronic kidney disease. *J Am Soc Nephrol* 2018; 29(2):505-517
- Luo J, Feng J, Yu G, et al. Transient receptor potential vanilloid 4-expressing macrophages and keratinocytes contribute differentially to allergic and nonallergic chronic itch. *J Allergy Clin Immunol* 2018 141(2):608-619
- Luo J, Chen G, Liang M, et al. Reduced Expression of Glutathione S-Transferase  $\alpha$  4 Promotes Vascular Neointimal Hyperplasia in CKD. *J Am Soc Nephrol* 2017 Nov 10. [Epub ahead of print]
- Mindikoglu A, Opekun A, Mitch W, Khaderi S, Vierling J, et al. Cystatin C is a gender-neutral glomerular filtration rate biomarker in patients with cirrhosis. *Dig Dis Sci* 2018; 63:665-675
- Mindikoglu A, Opekun A, Putluri N, Sheikh-Hamad D, Vierling J, Coarfa C, et al. Unique metabolomic signature associated with hepatorenal dysfunction and mortality in cirrhosis. *Transl Res*. 2018; 195:25-47
- Montez-Rath M, Zheng Y, Winkelmayer W, et al. Hospitalizations and Nursing Facility Stays During the Transition from CKD to ESRD on Dialysis: An Observational Study." *J Gen Intern Med* 2017; DOI: 10.1007/s11606-017-4151-6
- Murray K, Kolodziej S, Ronca S, Mandayam S, et al. Visualization of West Nile Virus in Urine Sediment using Electron Microscopy and Immunogold up to Nine Years Postinfection. *Am J Trop Med Hyg* 2017;97:1913-1919
- Navaneethan S, Mandayam S. Time to Look Beyond Obesity Metrics and Mortality in Kidney Disease. *Kidney Int Rep* 2017;3:244-246
- Navaneethan S, Schold J, Winkelmayer W, et al. High-density lipoprotein cholesterol and causes of death in chronic kidney disease. *J Clin Lipidol* 2018 Mar 30. pii:S1933-2874(18)30190-9
- Navaneethan S, Virani S. Omega-3 Fatty Acids (Fish Oil) Supplementation and Albuminuria: Not a Slam Dunk. *J Am Heart Assoc* 2017; Jul 14;6(7)
- Navaneethan S, Winkelmayer W, et al. Blood pressure parameters are associated with all-cause and cause-specific mortality in chronic kidney disease. *Kidney Int* 2017; 92:1272-1281
- Navaneethan S, Jolly S, Dann P, et al. Pragmatic Randomized, Controlled Trial of Patient Navigators and Enhanced Personal Health Records in CKD. *Clin J Am Soc Nephrol* 2017; 12:1418-1427
- Ning B, Zhao W, Qian C, Liu P, Li Q, Li W, Wang R. USP26 functions as a negative regulator of cellular reprogramming by stabilizing PRC1 complex components. *Nat Commun* 2017; 8(1):349
- O'Lone E, Viecelli A, Craig J, Winkelmayer W, et al. Cardiovascular outcomes reported in hemodialysis trials: consistent and important to patients? *J Am Coll Cardiol* 2018; 71:2102-2810
- Peng H, Wang Q, Lou T, Mitch W, et al. Myokines mediate muscle-kidney crosstalk suppressing metabolic reprogramming and interstitial fibrosis. *Nature Commun* 2017; 8:1493-1508
- Perez J, Zhao B, Qureshi S, Winkelmayer W, Erickson K. Health Insurance and the Use of Peritoneal Dialysis in the United States. *Am J Kidney Dis* 2017; 71:479-487
- Qureshi S, Erickson K, Winkelmayer W. A Case for More Frequent, Not Just Earlier, Nephrology Care of Patients Approaching End-stage Renal Disease? [Editorial] *Am J Kidney Dis* 2017; 70:155-157
- Qureshi S, Lorch R, Navaneethan S. Blood Pressure Parameters and their Associations with Death in Patients with Chronic Kidney Disease. *Curr Hypertens Rep* 2017; 19(11):92
- Raghavan R. Caring for Undocumented Immigrants with Kidney Disease. *Am J Kidney Dis* 2018; 71:488-494

### Journal Articles continued

- Raghavan R, Eknayan G. Uremia: A Historic Reappraisal of What Happened. *Clin Nephrol* 2018; 89:305-313
- Akeroyd J, Navaneethan S, Petersen L, Virani S, et al. Facility-level variation in diabetes and blood pressure control in patients with diabetes: Findings from the Veterans Affairs national database. *Clin Cardiol* 2017; 40:1055-1060
- Rincon-Choles H, Jolly S, Navaneethan S, et al. Impact of Uric Acid Levels on Kidney Disease Progression. *Am J Nephrol* 2017;46:315- 322
- Sautenet B, Tong A, Winkelmayer W, et al. Scope and consistency of outcomes reported in randomized trials conducted in adults receiving hemodialysis: a systematic review. *Am J Kidney Dis* 2018; DOI: 10.1053/j.ajkd.2017.11.010
- Sautenet B, Tong A, Mandayam S, et al. Developing Consensus-Based Priority Outcome Domains for Trials in Kidney Transplantation: A Multinational Delphi Survey With Patients, Caregivers, and Health Professionals. *Transplantation*. 2017; 101:1875-1886
- Shah M, Mandayam S, Adrogué H. Osmotic Demyelination Unrelated to Hyponatremia. *Am J Kidney Dis* 2018; 71:436-440
- Shen J, Dave N, Erickson K. Home Alone: Does Modality Matter? Revisiting Hospital Readmissions in Dialysis. *Am J Kidney Dis* 2017; 70:1-3
- Snitker S, Doerfler R, Navaneethan S, et al. Association of QT-Prolonging Medication Use in CKD with Electrocardiographic Manifestations. *Clin J Am Soc Nephrol* 2017 Aug 9. pii: CJN.12991216. [Epub ahead of print]
- Swanepoel C, Atta M, Wheeler D, Winkelmayer W, et al. Kidney Disease in the Setting of HIV Infection: Conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. *Kidney Int* 2018; DOI: 10.1016/j.kint.2017.11.007
- Thomas S, Mitch W. Parathyroid hormone stimulates adipose tissue browning: a pathway to muscle wasting. *Curr Opin Clin Nutr Metab Care* 2017; 20:153-157
- Tong A, Wheeler D, Winkelmayer W, et al. Clinicians' and researchers' perspectives on establishing and implementing core outcomes in haemodialysis: semistructure interview study. *BMC Nephrol* 2018; 8:e021198
- Torres V, Chapman A, REPRISÉ Trial Investigators (includes Mandayam S), et al. Tolvaptan in Later-Stage Autosomal Dominant Polycystic Kidney Disease. *N Engl J Med* 2017; 377:1930-1942
- Turakhia M, Wheeler D, Winkelmayer W, et al. Chronic Kidney Disease and Arrhythmias: Conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. *Eur Heart J* DOI:10.1093/eurheartj/ehy060
- Venkatasubba Rao C, Bershada E, Mandayam S, et al. Real-time Noninvasive Monitoring of Intracranial Fluid Shifts During Dialysis Using Volumetric Integral Phase-Shift Spectroscopy (VIPS): A Proof-of-Concept Study. *Neurocrit Care*. 2018; 28:117-126
- Walther C, Shah A, Winkelmayer W. Treating Depression in Patients with Advanced Kidney Disease: Beyond the Generalizability Frontier. *J Am Med Assoc* 2017; 318:1873-1875
- Walther C, Winkelmayer W, Deswal A, Niu J, Navaneethan S. Trends in Left Ventricular Assist Device Implantation and Associated Mortality Among Patients With and Without ESRD. *Am J Kidney Dis* 2018 May 18. doi: 10.1053/j.ajkd.2018.03.020
- Walther C, Chandra A, Navaneethan S. Blood pressure parameters and morbid and mortal outcomes in nondialysis-dependent chronic kidney disease. *Curr Opin Nephrol Hypertens* 2018; 27:16-22
- Walther C, Whaley-Connell A, Navaneethan S. Emerging therapeutic options for managing diabetic kidney disease. *Curr Opin Nephrol Hypertens* 2017; 26:335-337
- Walther C, Gutierrez O, Cushman M, et al. Serum albumin concentration and risk of end-stage renal disease: The REGARDS Study. *Nephrol Dial Transplant* [Epub ahead of print Dec 20 2017]
- Walther C, Shah A, Winkelmayer W. Treating depression in patients with advanced CKD: Beyond the generalizability frontier *J Am Med Assoc* 2017; 318:1873-1874
- Wang Y, Jia L, Hu Z, Entman M, Mitch W, Wang Y. AMP-activated protein kinase/myocardin-related transcription factor-A signaling regulates fibroblast activation and renal fibrosis. *Kidney Int* 2018; 93:81-94
- Woodard L, Welch R, Williams F, et al. Hydrodynamic renal pelvis injection for Non-viral expression of proteins in the kidney. *J Vis Exp* 2018; 8;(131)
- Woodard L, Cheng J, Welch R, et al. Kidney-specific transposon-mediated gene transfer in vivo. *Sci Rep* 2017; 7:44904
- Yuan C, Nee R, Raghavan R, et al. Survey of Kidney Biopsy Clinical Practice and Training in the United States. *Clin J Am Soc Nephrol*. 2018 May 7;13(5):718-72
- Zhan M, St. Peter W, Winkelmayer W, et al. Patterns of Non-steroidal Anti-inflammatory Drugs Use and Their Impact on Other Analgesic Use in Chronic Kidney Disease. *Clin J Am Soc Nephrol* 2017; 12:1778-1786
- Zhao W, Tan P, Zhu Q, et al. Tgfb2 inactivation facilitates cellular plasticity and development of Pten-null prostate cancer. *J Mol Cell Biol* 2017 Dec 8. PMID: 29228234
- Zhou J, Jia L, Hu Z, Wang Y. Pharmacological inhibition of PTEN aggravates acute kidney injury. *Sci Rep* 2017; 7:9503. PMCID: PMC5572703

### Books and Book Chapters

- Knights S and Raghavan R. HIV Associated Kidney Disease; in Update on the Care of HIV Positive Patients (2017). Editor: Wayne Shandera. ISBN: 978-1-53613-065-2
- Madias NE and Adrogué HJ. Respiratory acid-base disorders. Chapter in Seldin and Giebisch's The Kidney: Physiology and Pathophysiology, 6th Edition, edited by Alpern R, Caplan M, Moe O, Quaggin S. Elsevier/Academic Press
- Handbook of Nutrition and the Kidney 7th Edition, T. A. Ikizler and W. E. Mitch, Editors, Wolters Kluwer, Philadelphia, 2018
- Perez JJ and Mitch WE. Requirements for protein, calories and fat in the predialysis patient. Handbook of Nutrition and the Kidney, 7th Edition, T. Alp Ikizler and William E. Mitch, Editors, Wolters Kluwer, Philadelphia, 2018, pp 77-90
- Qureshi SJ, Awan AA, Adrogué HJ. Hyponatremia. In: Fadem S (ed.) Essentials of Chronic Kidney Disease. Second Edition. Nova Science, 2018
- Yan J and Mitch WE. Nutritional therapy for patients with chronic kidney diseases, Essentials of chronic kidney disease, 2nd Edition, S. Z. Fadem, Editor, NOVA Science Publishers, Hauppauge, New York, 2018

### EDITORIAL POSITIONS

- Erickson: Editorial Board, *American Journal of Kidney Diseases*
- Erickson: Public Policy Forum Steering Committee, *American Journal of Kidney Diseases*
- Erickson: Guest Editor, Special Issue on Health Policy, *Seminars in Dialysis*
- Mitch: Editorial Board, *Kidney International*
- Mitch: International Advisory Board, *Clinical and Experimental Nephrology*
- Mitch: Editorial Board. *Journal of the American Society of Nephrology*
- Navaneethan: Associate Editor, *American Journal of Kidney Diseases*
- Navaneethan: Associate Editor, *NephSAP* (Nephrology - Self Assessment Program)
- Navaneethan: Associate Editor, *CardioRenal Medicine*
- Navaneethan: Editorial Board, *Clinical Journal of American Society of Nephrology*
- Navaneethan: Editorial Board, *American Journal of Nephrology*
- Pan: Editorial Board, *American Journal of Physiology-Renal Physiology*
- Sheikh-Hamad: Editorial Board, *American Journal of Physiology-Renal Physiology*
- Wang: Editorial Board, *Scientific Reports*

- Wang: Editorial Board, *Journal of Nephrology and Therapeutics*
- Wang: Editorial Board, *Science Postprint*
- Wang: Editorial Board, *International Journal of Transplantation Research and Medicine*
- Wang: Editorial Board, *Journal of Nephrology Research*
- Winkelmayer: Associate Editor, *Journal of the American Medical Association*
- Winkelmayer: Editorial Board, *American Journal of Kidney Diseases*
- Winkelmayer: Public Policy Forum Steering Committee, *American Journal of Kidney Diseases*
- Winkelmayer: Editorial Board, *American Journal of Nephrology*
- Winkelmayer: Editorial Board, *Clinical Journal of American Society of Nephrology*
- Winkelmayer: Editorial Board, *Seminars in Dialysis*
- Winkelmayer: Guest Editor, Special Issue on Health Policy, *Seminars in Dialysis*
- Winkelmayer: Editorial Board, *Clinical Journal of American Society of Nephrology*
- Zhang: Editorial Board, *Austin Diabetes Research*
- Zhang: Editorial Board, *Journal of Nephrology & Therapeutics*

---

## Section of **Pulmonary, Critical Care and Sleep Medicine**

---

### OUR FACULTY

**Non-Clinician  
Research Faculty**  
Aladin Boriek  
Mustafa Atik  
Monica Jeongsoo  
Hong

**Clinician Faculty**

Kalpalatha  
Guntupalli  
Philip Alapat  
Nicola Hanania  
Elizabeth Guy  
Resmi George  
Dharani Narendra  
Purvesh Patel  
Pralay Sarkar  
Venkata Bandi  
Charlie Lan  
Ray Lazarus  
Steve Bujarski  
Farrah Kheradmand  
Lavannya Pandit  
Rolando Rumbaut

Amir Sharafkhaneh  
Supriya Singh  
Kanta Velamuri  
Uma Ayyala  
Shahram Moghtader  
Ritwik Agrawal  
Fidaa Shaib  
Prasad Manian  
Ali Jiwani  
Gloria Li  
Jigna Zatakia  
Dipa Modi  
Thomas Monaco  
N. Tony Eissa  
Annise Wilson  
Tara Barto  
Amit Parulekar

Goutham Dronavalli  
Christina Kao  
James Herlihy  
Muhammad Asim  
Siddique  
Jairo  
Barrantes-Perez  
Christopher  
Howard  
Christopher  
Morgan  
DeReddi Reddy  
Babith Mankidy  
Andrea Braun  
Ali Omranian  
David Muigai

The Pulmonary, Critical Care, and Sleep Medicine Section in the Department of Medicine oversees the clinical, education and research activities in these three related disciplines at Baylor College of Medicine and its affiliated hospitals. Its 44 full-time faculty members direct these activities at Ben Taub Hospital/Harris County Hospital District, the Michael E. DeBakey VA Medical Center (MEDVAMC), the Baylor Faculty Group Practice, Baylor St. Luke's Medical Center (BSLMC) and the Pavilion for Women (PFW) at Texas Children's Hospital.



## RESEARCH FUNDING

- **Kheradmand, Farrah** (MPI). Fungal pathogenesis of moderate to severe asthma. National Institute of Allergy and Infectious Diseases (NIAID). 1r01ai135803-01. 3/23/18-2/28/23. Total funding \$555,952
- **Kheradmand, Farrah**. Innate and Acquired Immune Responses in Human COPD. Michael E. DeBakey VA Medical Center. 2i01cx000104-09. 7/1/17-6/30/18. Total funding \$150,000
- **Rumbaut, Rolando**. Platelets and Microvascular Thrombosis in Inflammation. Michael E. DeBakey VA Medical Center. 5I01BX002551-03. 04/01/18-03/31/19. Total funding \$150,000
- **Eissa, Tony**. Lysosomal Origin for Emphysema. Alpha One Foundation. 501272. 7/1/17-6/30/18. Total funding \$100,000
- **Parulekar, Amit D**. Yr 2: The Impact of Fungal Sensitization and Airway Fungal Microbiome on Asthma Severity. American Lung Association. CG- 415676 -Year 2. 7/1/17-6/30/18. Total funding \$40,000
- **Hanania, Nicola Alexander**. Airways Clinical Research Centers (ACRC). American Lung Association. Year 2. 7/1/17-6/30/18. Total funding \$100,000
- **Kheradmand, Farrah**. Yr 1: PR140593P1: enhancement of immune memory responses to respiratory infection. Department of Defense Congressionally Directed Medical Research Programs. W81XWH- 16-1-0361 YR 2. 8/1/17-7/31/18. Total funding \$365,350
- **Eissa, Tony**. Yr 22: Research Training in Lung Disease. National Heart, Lung, and Blood Institute (NHLBI). T32- HL007747-22. 7/1/17-6/30/18. Total funding \$449,241
- **Boriek, Aladin M**. Year 7 - RPPR (MPI): Short Term Training To Increase Diversity. National Heart, Lung, And Blood Institute (Nhlbi). R25- HL108853-07. 4/1/2018-3/31/2019. Total Funding \$74,326
- **Rumbaut, Rolando** (MPI): NCE Platelets and Their Microparticles in the Inflamed Microcirculation. National Institutes Of Health (Nih). R01- HL116524-05 NCE. 2/1/2018-1/31/2019. Total Funding \$0.00
- **Hanania, Nicola Alexander**. NCE to 6/30/2018 "Spirometry Toolkit" to Improve Knowledge and Appropriate Use of Spirometry in the Primary Care Setting. The Chest Foundation. DS RH 2013 Yr 3 NCE. 4/1/2018-6/30/2018. Total Funding \$0.00
- **Hanania, Nicola Alexander**. "Losartan Effects on Emphysema Progression Trial" (LEEP) Trial. American Lung Association. 2018. Total funding \$2,165
- **Guntupalli, Kalpalathak**. Idiopathic Pulmonary Fibrosis Prospective Outcomes Registry (IPF-PRO). Boehringer Ingelheim Ltd. 2018. Total funding \$2,500
- **Hanania, Nicola Alexander**. Observational Study in Healthy Subjects and Patients With COPD to Assess the Relationship Between Clinical, Imaging and Biomarker Measurements, and Progression of Emphysema Over Two Years. Boehringer Ingelheim Pharmaceutical, Inc. 2018. Total funding \$51,645.07
- **Barto, Tara Lynn**. JBT101-CF-001: A Phase 2, Double-Blind, Randomized, Placebo-Controlled Multicenter Study To Evaluate Safety, Tolerability, Efficacy, and Pharmacokinetics of JBT-101 in Cystic Fibrosis. Corbus Pharmaceuticals. 2018. Total funding \$1,563.78
- **Hanania, Nicola Alexander**. A Phase II, Randomized, Double-blind, Placebo-Controlled Study To Assess The Efficacy And Safety Of Lebrizumab In Patients With Chronic Obstructive Pulmonary Disease And A History Of Exacerbations. F. Hoffmann-La Roche Ltd. 2018. Total funding \$5,194.76
- **Hanania, Nicola Alexander**. A Prospective, Single Arm, Longitudinal Cohort Study To Assess Biomarkers In Real World Patients With Severe Asthma. Genentech, Inc. 2018. Total funding \$22,293.80
- **Hanania, Nicola Alexander**. A Randomized, Double-blind, Sponsor Open, Placebo- Controlled, 52 Week Study Evaluation The Effect Of Danirixin (Gsk1325756) On Lung Function And Health Related Quality Of Life In Participants With Mild To Moderate Chronic Obstructive Pulmonary Disease (COPD). Glaxo/SmithKline. 2018. Total funding \$14,358.17
- **Hanania, Nicola Alexander**. A Phase III, Randomized, Double-Blind, Active Controlled, Parallel Group Study, Comparing the Efficacy, Safety and Tolerability of the Fixed Dose Combination FF/UMEC/VI With The Fixed Dose Dual Combination Of FF/VI, Administered Once-Daily Via a Dry Powder Inhaler in Subjects With Inadequately Controlled Asthma. Glaxo/SmithKline. 2018. Total funding (\$3,148.15)
- **Hanania, Nicola Alexander**. Yr 3: Network Management Core (Nemo) for the Pulmonary Trials Cooperative (Ptc) (Rethinc). National Heart, Lung, And Blood Institute (NHLBI). 2018. Total funding \$1,000
- **Hanania, Nicola Alexander**. Yr 2: Network Management Core (NEMO) for the Pulmonary Trials Cooperative (Ptc)/ Insight: Pulmonary Trials Cooperative's (PTC) Intervention Study in Overweight Patients With COPD (Insight COPD) TRIAL. National Heart, Lung, and Blood Institute (NHLBI). 2018. Total funding \$1,000
- **Hanania, Nicola Alexander**. Amendment - The Genetics Epidemiology of COPD. National Institutes of Health (NIH). 2018. Total funding \$24,013.19
- **Hanania, Nicola Alexander**. Yr 3: Network Management Core (NEMO) for the Pulmonary Trials Cooperative (PTC) (Insight). NIH: National Institutes of Health. Total funding \$1,173.33
- **Lazarus, Donald**. Spiration Pivotal II Trial (EMPROVE). Olympus/ Spiration (EMPROVE). 2018. Total funding \$12,596.24
- **Pandit, Lavannya**. A Randomized, Placebo-Controlled Study of Inhaled Treprostinil in Subjects with Pulmonary Hypertension due to Parenchymal Lung Disease Protocol Number: #RIN-PH-201. United Therapeutics. 2017-2020. Total funding \$125,000

## PUBLICATIONS & PRESS

- **Kheradmand F**, You R, Hee Gu B, Corry DB. Cigarette Smoke and DNA Cleavage Promote Lung Inflammation and Emphysema. *Trans Am Clin Climatol Assoc.* 2017;128:222-33. PubMed PMID: 28790504; PMCID: PMC5525399
- Wang DH, Lee HS, **Kheradmand F**, et al. Progression of EGFR-Mutant Lung Adenocarcinoma is Driven By Alveolar Macrophages. *Clin Cancer Res.* 2017;23(3):778-88
- Iman M, Rezaei R, **Kheradmand F**, et al. Th17/Treg Immunoregulation and Implications in Treatment of Sulfur Mustard Gas Induced Lung Diseases. *Expert Review of Clinical Immunology.* 2017 Vol 13; 12:1173-1188
- Liang, D; Tian, L, **Kheradmand, F**, et al. AIMp1 Potentiates TH1 Polarization and Is Critical for Effective Antitumor and Antiviral Immunity. *Front Immunol.* 2017 Vol 8; 1801
- Ayyagari K, Mulmoy W, **Herlihy J**, et al. Perioperative Management of LVAD Patients. In *Mechanical Circulatory Support for the Treatment of Advanced Heart Failure.* Editor, Morgan, Jeff. Publisher: Springer Scientific, Dec 2017
- Lockyer P, Mao H, **Eissa NT**, et al. LRP1-dependent B2MPER signaling regulates lipopolysaccharide-induced vascular inflammation. *Arterioscler Thromb Vasc Biol.* 37:1524-1535, 2017
- Sha Y, Rao L, Settembre C, Ballabio A, **Eissa NT**. STUB1 regulates TFEB-induced autophagylysosome pathway, *EMBO J*, 36: 2544-2552, 2017
- Khan A, Mann L, **Eissa N**, et al. Mesenchymal stem cells internalize Mycobacterium tuberculosis through scavenger receptors and restrict bacterial growth through autophagy. *Sci Rep*, Nov 8;7(1):15010
- Yao C, Veleva T, **Eissa N**, et al. Enhance Cardiomyocyte NLRP3 Inflammasome Signaling Promotes Atrial Fibrillation. *Circulation.* 2018 May 25. [Epub ahead of print]
- Kurihara C, Kawabori M, **Parulekar A**, et al. Lung procurement after cardiac death in a donor with previous median sternotomy. *Ann Thorac Surg.* 2017 Nov;104(5):e371-e373
- **Parulekar A, Kao C**, Diamant Z, **Hanania N**. Targeting the IL-4 and IL-13 pathway in severe asthma: current knowledge and future needs. *Curr Opin Pulm Med.* 2017 Oct 13 [epub ahead of print]
- Loo G, Simpson L, **Parulekar A**. Bridging to Lung Transplantation with Extracorporeal Circulatory Support: When or When Not? *J Thorac Dis* 2017;9(9):3352-3361
- **Medrek S, Parulekar A, Hanania N**. Predictive Biomarkers for Asthma. *Current Allergy Asthma Rep.* 2017 Sep 19;17(10):69
- Hoang V, **Medrek S**, Pendurthi M, **Kao C, Parulekar A**. Improving Donor Lung Management and Recipient Selection in Lung Transplantation. *Am J Respir Crit Care Med.* 2017 Sep 15;196 (6):782-784
- Hoang V, **Li G, Kao C, Dronavalli G, Parulekar A**. Change in skeletal muscle following lung transplantation is related to underlying disease. *Clin Transplant.* 2017 Mar;31(3)
- **Medrek S, Kao C**, Yang D, **Hanania N, Parulekar A**. Fungal sensitization is associated with increased risk of life-threatening asthma. *J Allergy Clin Immunol Pract.* 2017 Jul - Aug;5(4):1025-1031
- **Bujarski S, Parulekar A, Hanania N**. "Asthma, COPD, and asthma-COPD overlap in special populations." In: Bernstein JA, Boulet LP, Wechsler ME eds. *Asthma, COPD, and the Overlap: A Case Based Overview of Similarities and Differences.* 1st ed. CRC Press; 2018: 135-144
- Cardenas EI, Breaux K, **Rumbaut RE**, et al. Platelet Munc13-4 regulates hemostasis, thrombosis and airway inflammation. *Haematologica.* 2018 Apr 19. pii: haemtol.2017.185637. [Epub ahead of print]
- Da Q, Derry P, Lam F, **Rumbaut R**. Fluorescent labeling of endogenous platelets for intravital microscopy: Effects on platelet function. *Microcirculation.* 2018 Apr 27:e12457. doi: 10.1111/micc.12457. [Epub ahead of print]
- Solaiman S, **Agrawal R**. Non-24-Hour Sleep Wake Circadian Rhythm Disorder in a Sighted Male With Normal Functioning. *J Clin Sleep Med.* 2018 Mar 15;14(3):483-484
- **Agrawal R**, Wang J, Ko A, Getsy J. A real world comparison of apnea-hypopnea indices of positive airway pressure device and polysomnography. *PLoS One.* 2017;12 (4):e0174458
- Kitagawa M, Reynolds J, Wehrens X, Bryan R Jr, **Pandit L**. Hemodynamic and Pathologic Characterization of the TASK-1/-Mouse Does Not Demonstrate Pulmonary Hypertension. *Front Med (Lausanne).* 2017 Oct 23;4:177
- **Medrek S, Sharafkhaneh A, Pandit L**, et al. Admission for COPD Exacerbation Is Associated with the Clinical Diagnosis of Pulmonary Hypertension: Results from a Retrospective Longitudinal Study of a Veteran Population. *COPD.* 2017 Oct;14(5):484-489
- **Guy E, Hotze T, Lazarus D, Bandi V**, et al. Bronchoscopic resection of a tracheobronchial leiomyoma in a pregnant patient. *Int J Obstet Anesth.* 2018; April 10 doi: 10.1016/j.ijoa.2018.04.002. [Epub ahead of print]
- You R, **Lazarus D, Corry D, Kheradmand F**, et al. IL17A regulates tumor latency and metastasis in lung adeno and squamous SQ.2b and AD.1 cancer. *Cancer Immunol Res.* 2018; Apr 13 doi 10.1158/2326-6066. CIR-17-0554. [Epub ahead of print]
- Miller R, Casal R, **Lazarus D**. Ost D, Eapen G. Flexible bronchoscopy. *Clin Chest Med.* 2018; 1 (1): 1-16
- **Lazarus D**, Casal R. Persistent air leaks: a review with an emphasis on bronchoscopic management. *J Thorac Dis.* 2017; 9 (11):4660-4670

- **Medrek S, Lazarus D**, Zarrin-Khameh N, Mohyuddin N, **Bandi V**. Obstructive post-tracheotomy granulation tissue. *Am J Respir Crit Care Med*. 2017; 196 (5): e12-e13
- **Medrek S, Kular H, Lazarus D, Bujarski S, Patel K, Bandi V**. Use of sclerotherapy for the treatment of massive hemoptysis due to a bleeding bronchial varix. *Ann Am Thorac Soc*. 2017; 14 (7): 1221-1223
- Mudambi L, **Lazarus D**, Eapen G. Endobronchial ultrasound: clinical applications. In: Diaz- Jimenez JP, Rodriguez AN eds. *Interventions in Pulmonary Medicine*. 2nd ed. New York: Springer-Verlag; 2018:403-419
- **Lazarus D**, Casal R. Flexible bronchoscopy. In: Musani AI, Dutau H eds. *Advances in Interventional Pulmonology*. 1st ed. Book series: *Frontiers in Respiratory Medicine Volume 1*. Sharjah, UAE: Bentham Science Publishers; 2017:1-19
- **Parulekar A, Atik M, Kao C, Boriek A, Hanania N**, et al. Examining the effects of age on health outcomes of COPD: results from the COPDGene and ECLIPSE Cohorts. *J Am Med Dir Assoc*. 2017 Dec 1;18 (12):1063-1068
- Tanner M, Tajhya R, **Atik M**, et al. Prolonged immunomodulation in inflammatory arthritis using the selective Kv1.3 channel blocker HsTX1[R14A] and its PEGylated analog. *Clinical Immunology* 180 (2017) 45–57
- **Hanania N**, Braman S, Adams S, et al. The role of inhalation delivery devices in COPD: Perspectives of patients and health care providers. *Chronic Obstr Pulm Dis*. 2018; 5(2): 111-123
- Braman S, Carlin B, **Hanania N**, et al. Results of a Pulmonologist Survey Regarding Knowledge and Practices With Inhalation Devices for COPD. *Respir Care*. 2018 May 1. pii: respcare.05717. doi:10.4187 respcare.05717. [Epub ahead of print]
- Dhand R, Mahler D, **Hanania N**, et al. Results of a Patient Survey Regarding COPD Knowledge, Treatment Experiences, and Practices With Inhalation Devices. *Respir Care*. 2018 Mar 20. doi: 10.4187/ respcare.05715. [Epub ahead of print]
- Cazzola M, Calzetta L, Matera M, **Hanania N**, Rogliani P. How does race/ethnicity influence pharmacological response to asthma therapies? *Expert Opin Drug Metab Toxicol*. 2018 Apr;14 (4):435-446
- Yohannes A, Kaplan A, **Hanania N**. Anxiety and Depression in Chronic Obstructive Pulmonary Disease: Recognition and Management. *Cleve Clin J Med*. 2018 Feb;85(2 Suppl 1):S11-S18
- Yohannes A, Kaplan A, **Hanania N**. COPD in Primary Care: Key Considerations for Optimized Management: Anxiety and Depression in Chronic Obstructive Pulmonary Disease: Recognition and Management. *J Fam Pract*. 2018 Feb;67(2 Suppl):S11-S18
- Donohue J, Bollu V, **Hanania N**, et al. Long- term health-related quality-of-life and symptom response profiles with arformoterol in COPD: results from a 52-week trial. *Int J Chron Obstruct Pulmon Dis*. 2018 Feb 5;13:499-508
- Braddock M, **Hanania N, Sharafkhaneh A**, Colice G, Carlsson M. Potential Risks Related to Modulating Interleukin-13 and Interleukin-4 Signaling: A Systematic Review. *Drug Saf*. 2018 May;41 (5):489-509
- **Hanania N**, Massanari M, Jain N. Measurement of fractional exhaled nitric oxide in real- world clinical practice alters asthma treatment decisions. *Ann Allergy Asthma Immunol*. 2018 Apr;120 (4):414-418
- Bousquet J, Brusselle G, **Hanania N**, et al. Care pathways for the selection of a biologic in severe asthma. *Eur Respir J*. 2017 Dec 7;50(6). pii: 1701782
- Goto T, Faridi MK, Gibo K, Toh S, **Hanania NA**, Camargo CA Jr, Hasegawa K. Trends in 30-day readmission rates after COPD hospitalization, 2006-2012. *Respir Med*. 2017 Sep;130:92-97
- **Narendra D, Hanania N**. Procalcitonin in Chronic Obstructive Pulmonary Disease Exacerbations: Is It Ready for Primetime Use? *Ann Am Thorac Soc*. 2017 Dec;14(12):1757-1758
- Humbert M, Busse W, **Hanania N**. Controversies and opportunities in severe asthma. *Curr Opin Pulm Med*. 2018 Jan;24(1):83-93
- **Hanania N**, Diamant Z. The road to precision medicine in asthma: challenges and opportunities. *Curr Opin Pulm Med*. 2018 Jan;24(1):1-3
- **Parulekar A, Kao C, Diamant Z, Hanania N**. Targeting the interleukin-4 and interleukin- 13 pathways in severe asthma: current knowledge and future needs. *Curr Opin Pulm Med*. 2018 Jan;24 (1):50-55
- Rogers L, Sugar A, **Hanania N**, et al. Step-Down Therapy for Asthma Well Controlled on Inhaled Corticosteroid and Long-Acting Beta-Agonist: A Randomized Clinical Trial. *J Allergy Clin Immunol Pract*. 2018 Mar - Apr;6(2):633-643
- Sethi S, Fogarty C, **Hanania N**, et al. Efficacy of formoterol fumarate delivered by metered dose inhaler using Co-suspension™ delivery technology versus Foradil® aerolizer® in moderate-to-severe COPD: a randomized, dose-ranging study. *Chronic Obstr Pulm Dis*. 2017; 4(1):21-33
- Yohannes A, **Hanania N**. “Depression and Anxiety in Adults Patients with Asthma” In: **Sharafkhaneh A**, Yohannes A, **Hanania N**, Kunik ME eds. *Depression and Anxiety in Patients with Chronic Respiratory Diseases*. Springer 2017: 73-84
- **Bujarski S, Parulekar A, Hanania N**. “Asthma, COPD, and asthma-COPD overlap in special populations.” In: Bernstein JA, Boulet LP, Wechsler ME eds. *Asthma, COPD, and the Overlap: A Case-Based Overview of Similarities and Differences*. 1st ed. CRC Press; 2018:135-144
- **Narendra A, Hanania N**. “Severe Acute Asthma”. In Saade GR, Belfort MA, Dildy GA, Phelan JP, Foley MR eds. *Critical Care Obstetrics*, 6th Edition. Wiley-Blackwell, September 2018
- Update in management of severe hypoxemic respiratory failure. Published in the CHEST journal, **Narendra D, Guntupalli K**, et al. 2017 Oct. ;152(4):867879. doi: 10.1016/j.chest.2017.06.039. Epub 2017 Jul 14

---

## Section of **Transition Medicine**

---

### OUR FACULTY

Cynthia Peacock  
Elisha Acosta  
Ellen Fremion  
Judy Kim  
K. Jordan Kemere

### AWARDS & HONORS

- **Fremion:** "That's the Way" Baylor College of Medicine award in recognition of exceptional care feedback from patients 11/2017
- **Peacock, Acosta, Fremion, Kim, Kemere:** "All Star: Highest Rank" Baylor College of Medicine award for exceptional patient satisfaction, quality, and safety. Quarters 1, 2, and 4.



---

---

## PROFESSIONAL ORGANIZATIONS

- **Acosta:** American Academy of Pediatrics, American College of Physicians, American Academy of Developmental Medicine and Dentistry
- **Fremion:** Spina Bifida Association Transition to Adult Care Healthcare Guidelines Workgroup Chair (2014-2018); Spina Bifida Association provider advisory committee (2016-present), American College of Physicians, American Academy of Pediatrics, The American Academy of Developmental Medicine and Dentistry
- **Kemere:** American College of Physicians, American Academy of Developmental Medicine and Dentistry
- **Kim:** American Academy of Family Physicians, Texas Academy of Family Physicians, Harris County Academy of Family Physicians, Down Syndrome Medical Interest Group (Annual symposium committee member, 2017-2018, 2018-2019), American Academy of Developmental Medicine and Dentistry
- **Peacock:** American College of Physicians Fellow, American Academy of Pediatrics Fellow, The American Academy of Developmental Medicine and Dentistry (board member 2018-2020)

## PUBLICATIONS & PRESS

- **Acosta, E; Peacock, C.** (2018) Transition for Children with Medical Complexity. In: Kline MW. eds. *Rudolph's Pediatrics, 23e* (pp. 560-561). 2018 New York, NY: McGraw-Hill
- **Fremion E,** Morrison-Jacobus M, Castillo J, Castillo H, Ostermaier K. (2017) A chronic care model for spina bifida transition. *J Pediatr Rehabil Med.* 2017, 10(3-4):243-247
- Castillo J, Ostermaier KK, **Fremion E,** Collier T, Zhu H, Huang GO, Tu D, Castillo H. A. (2017) Urologic self- management through intermittent self-catheterization among individuals with spina bifida: A journey to self-efficacy and autonomy. *J Pediatr Rehabil Med.* 2017, 10(3-4):219-226

## RESEARCH FUNDING

- Acosta: SOI/AADMD National Curriculum in Developmental medicine, Funding Dates: 2017
- Acosta, Kim: "Complex Care Transition Readiness Program", Ligums Family Transition Medicine Grant, Co-Principle Investigators, Funding dates: October 2016-October 2017, re-funding October 2017- October 2018
- Fremion: "Self-Management Improvement for Teens with Spina Bifida", Ligums Family Transition Medicine Grant, Principle Investigator, Funding dates: October 2016-October 2017, re-funding October 2017-October 2018
- Kemere: "Planning Transition in the Texas Children's Hospital Metabolic Clinic", Ligums Family Transition Medicine Grant, Co-Principal Investigator, Funding dates: October 2016-October 2017, re-funding October 2017-October 2018
- Peacock: "Transition Health Care for Children and Youth with Special Health Care Needs". Healthy Tomorrows Partnership for Children Program from Maternal and Child Health Bureau at HRSA, Principle Investigator, Funding dates: March 2016-2021

## EDITORIAL POSITIONS

- Peacock: American Academy of Developmental Medicine and Dentistry Board Member 2018-2020

---

# Department Leadership

---

## Chair

### **Dr. Hashem El-Serag**

Margaret M. Alkek Distinguished Chair

## Vice Chairs

### **Mandeep Bajaj, M.B.B.S.**

Vice Chair for Clinical Affairs  
Professor, Endocrinology,  
Diabetes and Metabolism

### **Richard J. Hamill, M.D.**

Vice Chair for Education  
Professor, Infectious Diseases

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

Vice Chair for Faculty and Staff  
Development  
Associate Professor, General Internal  
Medicine

### **Stephen Greenberg, M.D., MACP**

Vice Chair for Harris Health System/Ben  
Taub Hospital  
Distinguished Service Professor, General  
Internal Medicine

### **Aanand D. Naik, M.D.**

Vice Chair for Quality Improvement and  
Innovations  
Associate Professor, Health Services  
Research

### **Christie M. Ballantyne, M.D.**

Vice Chair for Research  
Chief, Cardiology and Cardiovascular  
Research

### **Biykem Bozkurt, M.D., Ph.D.**

Vice Chair for Veterans Affairs  
Professor, Cardiology

## Section Chiefs

### **Christie Ballantyne, M.D.**

Chief, Cardiology and  
Cardiovascular Research

### **Marco Marcelli, M.D.**

Interim Chief, Endocrinology,  
Diabetes and Metabolism

### **Melissa Bondy, M.D.**

Chief, Epidemiology and Population  
Sciences

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

Chief, Gastroenterology and Hepatology

### **David Hyman, M.D.**

Chief, General Internal Medicine

### **George Taffet, M.D.**

Chief, Geriatrics

### **Laura Petersen, M.D., MPH, FACP**

Chief, Health Services Research

### **Martha Mims, M.D.**

Chief, Hematology and Oncology

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

Chief, Immunology, Allergy and  
Rheumatology

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

Chief, Infectious Diseases

### **Wolfgang Winkelmayr, M.D., Sc.D.**

Chief, Nephrology

### **Rolando Rumbaut, M.D., Ph.D.**

Interim Chief, Pulmonary, Critical Care  
and Sleep Medicine

### **Cynthia Peacock, M.D.**

Chief, Transition Medicine

## CONTACT

Margaret M. and Albert B Alkek  
Department of Medicine

Baylor College of Medicine  
1 Baylor Plaza  
Houston, Texas 77030  
DoM Administration Phone (713) 798-2450  
DoM Patient Care Phone: (713) 798-1000

[www.bcm.edu/medicine](http://www.bcm.edu/medicine)





Baylor College of Medicine  
1 Baylor Plaza  
Houston, Texas 77030  
DoM Administration Phone (713) 798-2450  
DoM Patient Care Phone: (713) 798-1000

**[www.bcm.edu/medicine](http://www.bcm.edu/medicine)**