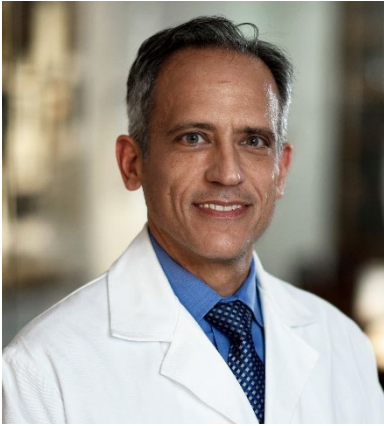


INFECTIOUS DISEASES
2020 ANNUAL REPORT

SECTION OF INFECTIOUS DISEASES



SECTION CHIEF

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

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

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

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

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

Thomas P. Giordano, M.D., M.P.H.
MD Anderson Foundation Chair
Professor and Chief, Section of Infectious Diseases

HIGHLIGHTS

- Infectious Disease faculty have taken a leadership role in the US response to the novel coronavirus pandemic caused by the Severe Acute Respiratory Coronavirus-2 (SARS CoV-2). The Vaccine Research Center at Baylor, led by Dr. Hana El Sahly, is a site for the Adaptive COVID-19 Treatment Trial (ACTT) studies and for the phase 3 study of the efficacy of the Moderna mRNA-1273 Vaccine. Dr. Hana El Sahly, principal investigator of the Vaccine Research Center, is national co-principal investigator of the phase 3 study of the Moderna vaccine.
- Infectious Disease faculty have played major roles in BCM's response to the novel coronavirus pandemic caused by the Severe Acute Respiratory Coronavirus-2 (SARS CoV-2), serving as leaders in the Incidence Command Center and sub-committees and in infection control at

Baylor St. Luke's Medical Center (BSLMC), Ben Taub Hospital (BTH), and the Michael E. DeBakey VA Medical Center (MEDVAMC).

- The Section continues to contribute to national practice guidelines and national infectious diseases organizations, with members on the Advisory Committee on Immunization Practices (ACIP) and the Department of Health and Human Services Panel on Antiretroviral Guidelines for Adults and Adolescents; members on National Institutes of Health (NIH) review panels and Food and Drug Administration (FDA) scientific advisory panels; and in leadership committees of the Infectious Diseases Society of America and the American Society of Tropical Medicine and Hygiene.
- Clinical highlights include opening a new travel medicine service and redesigned services for sexually transmitted infections at the MEDVAMC (Dr. Tavakoli Tabasi), expanded transplant infectious diseases services at BSLMC and Baylor Medicine (Dr. Hemmersbach-Miller), and implementation of electronic infectious diseases consult services at Harris Health System (Dr. Dang).
- The Section's faculty continue to have leadership roles in undergraduate and graduate medical education for the Department of Medicine as well as for BCM's School of Medicine and National School of Tropical Medicine.
- The Infectious Diseases faculty were authors on more than 130 peer-reviewed publications and 8 book chapters and the primary members of the Section had \$21,925,218 in research direct costs funding in 2019-2020.

FACULTY

Section Leadership

- Thomas P. Giordano, M.D., M.P.H., Chief of the Section of Infectious Diseases; Medical Director at Thomas Street Health Center (TSHC; Harris Health System's HIV clinic)
- Robert L. Atmar, M.D., Chief of the Infectious Diseases Service at BTH and Smith Clinic
- Laila Woc-Colburn, M.D., Medical Director of Infectious Diseases for the Baylor Faculty Group Practice at BSLMC and the McNair Campus
- Maria C. Rodriguez-Barradas, M.D., Chief of the Infectious Diseases Service at MEDVAMC
- Jose Serpa, M.D., MS, Program Director for the Infectious Diseases fellowship training program
- Prathit Kulkarni, M.D., Associate Program Director for the Infectious Diseases fellowship training program

Faculty

Primary

- Ume Abbas, M.D.
- Mayar Al Mohajer, M.D., MBA
- Monisha Arya, M.D., M.P.H.
- Robert Atmar, M.D.
- Major Bradshaw, M.D., MS
- Katherine Breaux, MS
- Galant Chan, M.D.
- Elizabeth Chiao, M.D., M.P.H.
- Andrew Chou, M.D.

- Eva Clark, M.D., Ph.D.
- Bich Dang, M.D.
- Yuriko Fukuta, M.D.
- Thomas Giordano, M.D., M.P.H.
- Richard Hamill, M.D.
- Marion Hemmersbach-Miller, M.D., Ph.D.
- Penny Jaffe, M.D.
- Prathit Kulkarni, M.D.
- Oyebunmi Kutemi, NP, MS
- Cezarina Mindru, M.D.
- Daniel Musher, M.D.
- George Robert Parkerson, M.D., M.P.H.
- Shital Patel, M.D., MSc
- Maria Rodriguez-Barradas, M.D.
- Stacey Rose, M.D.
- Jose Serpa-Alvarez, M.D., MS
- Shahriar Tavakoli Tabasi, M.D.

- Laila Woc-Colburn, M.D.
- Edward Young, M.D., MS

Co-Primary

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

Secondary

- Rabih Darouiche, M.D.
- Andrew DiNardo, M.D., MS
- Rojelio Mejia, M.D.
- Kenneth Muldrew, M.D., M.P.H.
- Sergio Trevino, M.D.
- Jill Weatherhead, M.D., MS

HONORS AND ACHIEVEMENTS

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

- 2019 Mentor of the Year Award, Center for Innovation in Quality, Effectiveness and Safety, MEDVAMC

Robert Atmar, M.D.

- Best Doctors in America, 2019-2020

Marion Hemmersbach-Miller, M.D., Ph.D.

- 2019 Selected for the Assistant Professor category for the BCM Career Advancement Series

Prathit Kulkarni, M.D.

- 2019 Winner of the Academy of Distinguished Educators Annual Showcase of Educational Scholarship (Faculty category), BCM
- 2020 Elected Fellow, American College of Physicians

Kenneth Muldrew, M.D., M.P.H.

- 2020: O'Neal Spjut Leadership Award, Department of Pathology and Immunology, BCM
- 2019: Ben Taub Hospital Physician Champion ServiceFIRST Hero, 2nd Quarter, Harris Health System

Shital Patel, M.D., MSc

- Senior Fellow, Class XLVI American Leadership Forum

Maria Rodriguez-Barradas, M.D.

- 2019 Infectious Diseases Fellows special achievement “The most likely to rally the troops,” BCM

Jose Serpa-Alvarez, M.D.

- 2019 Elected Fellow, Infectious Diseases Society of America

Jill Weatherhead, M.D., MS

- 2020 Faculty of the Year, Infectious Diseases Fellows, BCM
- 2020 Dean’s Award of Excellence, Graduate School of Biomedical Research, BCM
- National Institutes of Health Loan Repayment Program Recipient

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS OFFICES HELD

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

- American Medical Writers Association, Southwest Chapter, Co-Director At-Large
- American Medical Writers Association, Southwest Chapter, Social Media Co-Coordinator
- American Medical Writers Association, Southwest Chapter, Social Media Coordinator
- Society for Health Communication, Member
- Mayo Clinic Social Media Network, Member

Eva Clark, M.D., Ph.D.

- United States Chagas Disease Providers Network, Co-Director

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

- Infectious Diseases Society of America, Fellow

Marion Hemmersbach-Miller, M.D., Ph.D.

- Infectious Diseases Society of America (IDSA) Publication Committee, voting member
- American Society of Transplantation (AST), Member
- IDSA, Member
- American Medical Association, Member

Rojelio Mejia, M.D.

- American Society of Tropical Medicine and Hygiene, Member

Kenneth Muldrew, M.D., M.P.H.

- Accreditation Council for Graduate Medical Education; Medical Microbiology Fellowship Training Milestones Working Group for the review and revision of the current Milestones
- Association for Molecular Pathology Member, Infectious Diseases Subcommittee
- Association for Molecular Pathology Member, Clinical Practice Committee

Jose Serpa-Alvarez, M.D.

- National Board of Medical Examiners (NBME)/IDSA In-Training Exam Committee, Member

- Scientific Program Committee, American Society of Tropical Medicine and Hygiene (ASTMH), member

Shahriar Tavakoli Tabasi, M.D.

- Federal Sexually Transmitted Infections Action Plan 2019, Secondary and Tertiary Prevention Including Care Subcommittees, Member
- Department of Veterans Affairs, STI affinity group and HIV PrEP group, Member
- Ending the HIV Epidemic: VA National Response Effort, Member

Jill Weatherhead, M.D., MS

- IDSA IDWeek Mentorship Program, Mentor
- IDSA IDWeek Global Health Abstract Committee, Reviewer
- ASTMH cTropMed Committee, Member
- IDSA, Global Health Advisory Committee, Member
- Pediatric Infectious Disease Society, Publications Committee, Member
- American Association of University Women, Grant Selection Committee, Member
- Pediatric Infectious Disease Faculty Research Core Committee, Member

EDITORIAL BOARD MEMBERSHIPS AND EDITORIAL POSITIONS

Robert Atmar, M.D.

- Editor, *Journal of Infection*, North American
- Member, *Journal of Infectious Diseases* (ad hoc), Editorial Advisory Board
- Member, *Vaccine*, Council of 100

Rojelio Mejia, M.D.

- Co-Editor in Chief, Springer *Journal of Current Tropical Medicine Reports*
- Guest Editor, *PLoS Neglected Tropical Diseases*

Shahriar Tavakoli Tabasi, M.D.

- Member, *Annals of Nursing and Primary Care*
- Reviewer, *Journal of Infection*
- Reviewer, *International Journal of Infectious Diseases*

Jill Weatherhead, M.D., MS

- Associate Editor, *Tropical Diseases, Travel Medicine and Vaccines*

OTHER SIGNIFICANT ACCOMPLISHMENTS

Robert Atmar, M.D.

- Member, NIH/NIAID/DMID Protocol No. 12-0034 – Phase I Study to Determine the Human Infectious Doses Causing 50% Infection with the GII.2 Snow Mountain Norovirus Filtrate, SNM

- Member, Sabin Vaccine Institute Protocol No. SVI-CH-01 – An Experimental Infection Study of Dermally-applied Infectious *Necator americanus* Hookworm Larvae in Hookworm-naïve Adults, Member
- DSMB Member, NIH/NHLBI – Influenza Vaccine to Effectively Stop Cardio Thoracic Events and Decompensated Heart Failure (INVESTED)
- SMC Member, Seres Therapeutics - ECOSPOR III: A Phase 3 Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Safety, Tolerability, and Efficacy of SER-109 vs. Placebo to Reduce Recurrence of Clostridium difficile Infection (CDI) in Adults Who Have Received Antibacterial Drug Treatment for CDI
- DSMB Chairman, NIH/NIAID/DMID Protocol No. 17-0089 – A Phase 1, Dose Escalation Study of the Safety and Immunogenicity of a Novel Rabies Vaccine ChAd155-RG vs the Comparator RABAVERT Vaccine in Healthy Adult Subjects
- Member, NIH/NIAID/DMID Protocol No. 18-0018 – A Phase 1, Randomized, Placebo Controlled Trial to Evaluate the Safety, Tolerability, and Immunogenicity of the Sm-p80 + GLA-SE (SchistoShield(R)) Vaccine in Healthy Adults
- Member, George Washington University, TSP18-03 - A Phase I/II Study of the Safety, Reactogenicity, and Immunogenicity of Sm-TSP-2/Alhydrogel® with or without AP 10-701 for Intestinal Schistosomiasis in Healthy Ugandan Adults
- Member, Advisory Committee on Immunization Practices (ACIP)

Katherine Breaux, MS

- Presenter, HIV: New Medications, New Directions. VAAPA National Meeting, San Antonio, Texas, November 2019

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

- *Ad hoc* Committee Member, United States FDA Antimicrobial Drugs Advisory Committee, August 7, 2019
- Invited Speaker, “Retention in HIV Care: What is the Evidence in the US?” IDWeek Annual Meeting, Washington, DC, October 5, 2019
- Invited Speaker, “Same Day Therapy: Con,” IDWeek Annual Meeting, Washington, DC, October 4, 2019
- Member, Department of Health and Human Services Panel on Antiretroviral Guidelines for Adults and Adolescents

Marion Hemmersbach-Miller, M.D., Ph.D.

- Ongoing involvement in multidisciplinary workgroups addressing transplant quality improvement (COVID-19, vaccination, HIV solid organ transplantation, donor testing, hepatitis B or C positive donors etc., and development of center-specific protocols.
- American Transplant Congress 2020
- Transplant Round-Up; BCM/BSLMC, Houston, TX. March 2020
- Medical Advisory Committee Meeting; Lifegift, Houston, TX. Nov 2019.

George Robert Parkerson, M.D.

- Director, Global Health Track for medical students, BCM
- President, Houston Shoulder to Shoulder Foundation

Maria Rodriguez-Barradas, M.D.

- Organizer, 2019 annual Daniel Musher Invited Professor Lecture with Dr. Saima Aslam
- Presenter, ID Week 2019, “My most difficult cases in HIV session”
- Moderator, ID Week 2019 (2 sessions)
- MEDVAMC, COVID-19 Workgroup 2020
- Member, National HIV Strategy Indicators Subcommittee, in charge of developing the indicators for HIV for 2021-2030 (*Ending the HIV Epidemic Initiative: A Plan for America*)

Stacey Rose, M.D.

- Member, IDSA Education Committee (October 2019-present)
- Subject Group Lead, Bartonellosis section of the NIH-CDC-HIVMA/IDSA Guidelines for Prevention and Treatment of Opportunistic Infections in Adults and Adolescents with HIV

Shahriar Tavakoli Tabasi, M.D.

- Lead Clinician, STI Program, MEDVAMC 2019
- Founder/Lead Clinician, Travel Medicine Clinic MEDVAMC
- High Reliability Organization Workgroup, MEDVAMC
- Member, Sepsis Task-force, MEDVAMC 2019
- MEDVAMC Travel Medicine Program: proposed and established the first Travel Medicine clinic in MEDVAMC
- PI, Sexually Transmitted Infections Program Redesign, MEDVAMC: developed a new STI program in MEDVAMC, including agreements with primary care services, new consultation templates, new management templates and integration of HIV pre-exposure prophylaxis (PrEP)

RESEARCH ACTIVITIES

Grants

Robert Atmar, M.D.

- SAR-CoV-2 support of novel coronavirus vaccine and therapeutic development; NIH
- Leadership Group for the Infectious Diseases Clinical research consortium; NIH

Elizabeth Chiao, M.D., M.P.H.

- The effectiveness of screening HIV-infected women for anal cancer precursors; NIH
- Determining the accuracy of self and partner anal exams for detecting anal abnormalities; NIH
- The effectiveness of high resolution microendoscopy (HRME) in high grade intraepithelial lesions (HSIL) diagnosis for people living with HIV; NIH
- Reducing cancer treatment disparities for persons with HIV; NIH
- Clinical site agreement to conduct AIDS malignancy consortium (AMC) clinical trials; NIH

Bich Dang, M.D.

- Refinement and pilot testing of a highly innovative provider coaching and feedback intervention to improve the patient HIV care experience; NIH

Andrew DiNardo, M.D., MS

- BCG as Defense Against SARS-COVID19; Texas A&M
- Persistent DNA methylation of the IFN- γ signaling pathway during Tuberculosis; American Association of Immunology
- Persistent DNA methylation of the IFN- γ signaling pathway during Tuberculosis; NIH
- Restoration of BCG immunity after helminth-induced epigenetic-mediated immune exhaustion; Thrasher Research Fund
- Azacytidine during Anti-Tuberculosis therapy; Celgene Pharmaceutical
- Quantifiable stool-based TB PCR to improve diagnostics and treatment monitoring; NIH
- Quantification of circulating Mtb antigens for rapid TB diagnosis and treatment monitoring; US Department of Defense

Hana El Sahly, M.D.

- Vaccine and Treatment Evaluation unit; NIH
- Adaptive COVID-19 Treatment Trial; NIH
- Phase 3 COVID-19 vaccine efficacy clinical trials; NIH
- Leadership Group for the Infectious Diseases Clinical Research Consortium COVID 19 Supplement; NIH

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

- International AIDS education and training center; HRSA
- Effectiveness of an integrated treatment to address smoking cessation and anxiety/depression in people living with HIV; NIH

Rojelio Mejia, M.D.

- Dual therapy to reduce the burden of *Trichuris trichiura* in Honduras; Mundo Sano Foundation
- Hookworm infection in children is associated with negative health outcomes in rural Alabama; Thrasher Research Fund
- Impact of nitazoxanide on *Cryptosporidium* burden in HIV-infected patients; Romark Laboratories, LC
- Quantifiable stool-based assays for intestinal parasites in Texas based populations; Texas Public Health Department Grant
- Developing a response for natural catastrophes from infectious diseases; NSF
- Controlled Infection for Testing Efficacy Hookworm Vaccines in Brazil; Welcome Trust
- Controlled Infection Trial to Test Efficacy of Hookworm Vaccine with Different TLR Agonists; NIH.
- Quantifiable Stool-based TB PCR to Improve Diagnostics and Treatment Monitoring; NIH

Shital Patel, M.D.

- Regional AIDS Education and Training Centers Program; HRSA
- Texas NeuroAIDS Research center; NIH

Maria Rodriguez-Barradas, M.D.

- Active surveillance to quantify the burden of viral gastroenteritis in US Veterans Affairs (VA) patient population; CDC
- Alcohol and Multisubstance use in the Veterans aging cohort study; NIH
- Randomized trial to prevent vascular events in HIV; KOWA Pharmaceuticals America, Inc.

Jose Serpa-Alvarez, M.D.

- Invasive Mold Infections at Ben Taub Hospital contract to obtain data, abstracted from the medical charts, of potential invasive mold infections at Ben Taub Hospital (Harris Health System); CDC
- 2019 IDSA Annual meeting - ID fellowship travel grant, Janssen Scientific Affairs, LLC

Jill Weatherhead, M.D., MS

- Discovering the Immunologic Mechanisms of Ascaris-induced Allergic Airway Disease; NIH

Publications

- Addiction Science & Clinical Practice (IF 5.237): 1
- AIDS (IF 4.060): 3
- AIDS and Behavior (IF 2.95): 2
- AIDS Care (IF 2.02): 2
- AIDS Patient Care and STD (IF 3.58): 2
- AIDS Research and Human Retroviruses (IF 1.670): 2
- American Journal of Respiratory and Critical Care Medicine (IF 17.45): 1
- American Journal of Clinical Pathology (IF.78): 1
- American Journal of Medicine (IF 1.911): 1
- American Journal of Infection Control (IF 2.030): 1
- American Journal of Obstetrics and Gynecology (IF 4.704): 1
- American Journal of Physiology Gastrointestinal and Liver Physiology (IF 3.760): 1
- American Journal of Transplantation (IF 7.163): 2
- American Journal of Tropical Medicine and Hygiene (IF 2.325): 6
- Annals of Otology, Rhinology & Laryngology (IF 1.284): 1
- Avicenna Journal of Medicine (IF 0.40): 1
- BMC Gastroenterology (IF 2.350): 1
- BMC Health Services Research (IF 2.01): 1
- BMC Infectious Diseases (IF 2.688): 1
- Canadian Journal of Neurological Sciences (IF not listed): 1
- Case Reports Infectious Diseases; (No IF available): 1
- Case Reports Obstetrics and Gynecology (IF Unknown): 3
- Cell Host Microbe (IF 15.753): 1
- Chest (IF 8.308): 1
- Child: Care, Health and Development (IF 2.100): 2
- Clinical Infectious Diseases (IF 8.886): 11

- Cureus (IF not available): 2
- Current Opinions on Infectious Diseases (IF **not listed**): 1
- Current Infectious Disease Reports (IF **2.96**): 3
- Diabetes (IF **7.372**): 1
- European Journal of Clinical Microbiology and Infectious Diseases (IF **2.837**): 2
- European Urology (IF: **17.89**): 1
- Frontiers in Microbiology (IF **4.259**): 1
- Gastroenterology (IF **17.373**): 1
- Handbook of Experimental Pharmacology (IF **15.550**): 1
- Health Promotion Practice (IF **1.050**): 1
- HIV Medicine (IF **3.734**): 2
- Hospital Practice (IF **.0970**): 1
- Human Vaccines & Immunotherapeutics (IF **2.619**): 2
- International Journal of STD & AIDS (IF **1.406**): 1
- Infection Control & Hospital Epidemiology (IF **1.22**): 1
- Journal of Law, Medicine & Ethics (IF **1.085**): 1
- Journal of Acquired Immune Deficiency Syndromes (IF **3.475**): 9
- Journal of Clinical Investigation (IF **10.510**): 1
- Journal of Fungi (IF **Under Calculation**): 1
- Journal of General Virology (IF **2.809**): 1
- Journal of Infectious Diseases (IF **5.997**): 7
- Journal of Investigative Medicine (IF **2.30**): 2
- Journal of Lower Genital Tract Disease (IF **1.306**): 1
- Journal of Medical Case Reports (IF **0.620**): 1
- Journal of Mobile Technology in Medicine (IF **Unknown**): 1
- Journal of Substance Abuse Treatment (IF **2.620**): 1
- Journal of the American Academy of PAs (IF **0.18**): 1
- Journal of the American Board of Family Medicine (IF **1.96**): 1
- Journal of the American Medical Association (IF **14.780**): 1
- Journal of the National Cancer Institute (IF **11.577**): 1
- Journal of Virology (IF **1.786**): 2
- Kidney International Reports (IF **3.374**): 1
- Lancet HIV (IF **14.813**): 1
- Lancet Respiratory Medicine (IF **25.09**): 1
- Laryngoscope Investigative Otolaryngology (IF **Unknown**): 1
- Mayo Clinic Proceedings (IF **5.72**): 1
- mBio (IF **5.311**): 2
- Methods of Molecular Biology (IF **10.71**): 2
- Morbidity and Mortality Weekly Reports Recommendations and Reports (IF **14.874**): 3
- New England Journal of Medicine (IF **37.910**): 5
- OBM Transplantation (IF **Unknown**): 1
- Open Forum Infectious Diseases (IF: **3.240**): 9
- Oral Oncology (IF **3.979**): 1
- Parasites and Vectors (IF **3.430**): 2
- Parasitology Research (IF **2.260**): 1
- Pharmacoepidemiology Drug Safety (IF **2.870**): 1
- PLOS Neglected Tropical Diseases (IF **4.400**): 4
- PLoS One (IF **2.870**): 2
- PLoS Pathogens (IF **2.19**): 1
- Pneumonia (IF **Not listed**): 1

- Proceedings of the National Academy of Sciences of U S A (IF **9.661**): 2
- Progress in Cardiovascular Diseases (IF **6.162**): 1
- Science Advances (IF **12.53**): 1
- Tissue Engineering Part B: Reviews (IF **5.724**): 1
- Vaccine (IF **3.310**): 10
- Virology (IF **2.819**): 1
- Viruses (IF **3.760**): 2

Books/Book Chapters

Andrew DiNardo, M.D.

- **DiNardo, AR**, Mandalakas AM. Potential Immunology, transcriptomics and epigenomic prediction tools of the future to improve tuberculosis control. September 2019. Book Chapter. *Tuberculosis Host-Pathogen Interactions*. Springer, Cham. https://doi.org/10.1007/978-3-030-25381-3_10

Rojelio Mejia, M.D.

- Mejia R, Weatherhead J, Hotez PJ. *Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases 9th*. Elsevier (in press). Intestinal Nematodes (Roundworms) chapter 2019
- Sakanari J, Mejia R, Hotez PJ. *Jawetz, Melnick, & Adelberg's Medical Microbiology 28th ed*. McGraw-Hill Medical (in press). Medical Parasitology Section 2019

Daniel Musher, M.D.

- Musher DM. Overview of pneumonia. IN: Goldman-Cecil, *Medicine, 26th edition*, 2019, p. 592-602.
- Janoff EN, Musher DM. Streptococcus pneumoniae. In: Bennett JE, Dolin R, Blaser MJ, eds. *Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. 9th ed*. Saunders, Philadelphia; 2019

Stacey Rose, M.D.

- Rose SR and Koehler, J. Bartonella, including cat-scratch disease. In: Bennet JE, Dolin R and Blaser M, eds. *Mandell, Douglas and Bennett's Principles and Practice of Infectious Diseases, 9th edition*. Philadelphia, PA: Elsevier, 2019. 4.
- Hamill RJ and Rose SR. Mycotic infections. In: Papadakis MA, McPhee SJ, Rabow MW, eds. *Current Medical Diagnosis and Treatment, 2019 edition*. New York, NY: McGraw-Hill, 2019

Jennifer Whitaker, M.D.

- Whitaker JA, Sohail MR. Chapter 46: Sexually Transmitted, Urinary Tract, and Gastrointestinal Tract Infections. In: Wittich C, Editor, *12th Edition of the Mayo Clinic Internal Medicine Board Review Textbook*. Oxford University Press; Oct 2019. DOI: 10.1093/med/9780190938369.001.0001
- Whitaker JA, Tosh PK. Chapter 45: Pulmonary and Mycobacterial Infections. In: Wittich C, Editor, *12th Edition of the Mayo Clinic Internal Medicine Board Review Textbook*. Oxford University Press; Oct 2019. DOI: 10.1093/med/9780190938369.001.000

- Whitaker JA. Chapter 6: Tuberculosis and HIV. Heartland National TB Center and Mayo Clinic, 2020: *The Spectrum of Tuberculosis from Infection to Disease, TB at a Glance, 3rd Edition*. Publisher: Heartland National Tuberculosis Center; 2020.
https://www.heartlandntbc.org/assets/products/The_Spectrum_of_TB.pdf

PRESS

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

- Rodriguez N, Arya M. Compartiendo perspectivas de COVID-19: Que se dice en las noticias y que significa? El Periodico USA. April 15, 2020. (Dr. Arya and her student mentee, Ms. Natalia Rodriguez, explained COVID-19 terms to a Spanish-reading audience. Spanish translation provided by Rodriguez.)
- Rodriguez N, Arya M. La importancia de mantener el distanciamiento social. Houston Chronicle La Voz. April 15, 2020. (Dr. Arya and her student mentee, Ms. Natalia Rodriguez, explained the need for social distancing during COVID-19 to a Spanish-reading audience. Spanish translation provided by Rodriguez.)
- Arya, M. Reflections from the bench during the COVID-19 crisis. Medscape. www.medscape.com. April 16, 2020.
- Isola A, Arya M, Viswanath K. Using telemedicine during COVID19 may perpetuate health disparities in Harris County. Houston Medical Journal. May 2020.

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

- Interviewed by Heather Boerner for Medscape HIV/AIDS story, “Monthly shots for HIV within reach,” published March 19, 2019, available at: https://www.medscape.com/viewarticle/910616?nlid=128940_721&src=WNL_mdplsfeat_190326_mscpedit_aids&uac=22376SY&spon=1&impID=1918658&faf=1#vp_3
- Tsai A, Siedner MJ and Giordano TP. “Data: COVID-19 slows with social distancing,” Houston Chronical editorial, published April 16, 2020.
- Interviewed by Allen Levine, WPIX-TV, New York City. “COVID-19 devastates NYC but spares San Francisco. Why?,” available at <https://www.pix11.com/news/coronavirus/covid-19-devastates-nyc-but-spare-san-francisco-why>, published May 11, 2020.
- Interviewed by Mabel Jong, HealthDay News. “Is Reopening the US Happening Too Fast or Too Slow? 2 Experts Debate Their Opinions,” available at <https://live.healthday.com/hd-live-is-reopening-the-us-happening-too-fast-or-too-slow-2-experts-debate-their-opinions-2646200502.html>, published June 19, 2020.
- Interviewed by Michelle Cortez, Bloomberg News, “Virus fatality picture is obscured by the ultimate lagging indicator,” available at <https://news.bloomberglaw.com/coronavirus/virus-fatality-picture-is-obscured-by-ultimate-lagging-indicator>, published June 28, 2020.

Prathit Kulkarni, M.D.

- TV interviews
 - March 30, 2020

- <https://www.click2houston.com/news/local/2020/04/29/harris-county-to-hire-hundreds-of-contact-tracers-to-track-coronavirus-cases/>
- May 8, 2020
 - KPRC 2 (Houston): “Data trends show Houston is not out of the coronavirus woods yet”; Website: [“https://www.click2houston.com/news/investigates/2020/05/09/data-trends-show-houston-is-not-out-of-the-coronavirus-woods-yet/](https://www.click2houston.com/news/investigates/2020/05/09/data-trends-show-houston-is-not-out-of-the-coronavirus-woods-yet/)
 - May 12, 2020
 - ABC 13 (Houston): “Risks of COVID-19 in reopening”; Website: <https://mms.tveyes.com/MediaCenterPlayer.aspx?u=aHR0cDovL21lZGhhY2Vu dGVyLnR2ZXllcy5jb20vZG93bmxvYWRnYXRld2F5LmFzcHg%2FVXNlckl EPTQ1NTgyNCZNREIEPTEzMjEzYzJk1EU2VIZD02NDI4JIR5cGU9TW VkaWE%3D>
 - May 13, 2020
 - KPRC 2 (Houston): “Houston area seeing slight uptick in number of coronavirus cases, but what does it mean?”; Website: <https://www.click2houston.com/news/investigates/2020/05/14/houston-area-seeing-slight-uptick-in-number-of-coronavirus-cases-but-what-does-it-mean/>
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CENTERS

Vaccine Research Center at Baylor College of Medicine

The Vaccine Research Center promotes human health by developing effective methods for the treatment and prevention of infectious diseases through clinical and laboratory research and educational activities. This Center is focused on supporting existing vaccine and antimicrobial research programs that are ongoing at Baylor, including preclinical and clinical programs; supporting investigators/clinical collaborators who have expertise and capabilities for developing cutting edge programs in systems biology, immunogenetics, molecular virology and cellular immunology; expanding vaccine and antimicrobial development programs in both animal models and human volunteer research programs so that hypothesis-driven research can be initiated and supported; providing a critical mass in bioinformatics expertise for analyzing and providing statistical support for systems biology and immunogenetics research; and expanding and codifying an educational program designed to train the next generation of vaccinologists.

The Vaccine Research Center is home to one of nine NIH-sponsored Vaccine and Treatment Evaluation Units (VTEUs); one of five U.S. Influenza Vaccine Effectiveness Units (laboratory component); a U01 grant for evaluation of predictors of recurrent wheezing/asthma in infants; a site for screening and evaluation of antivirals and vaccines for prevention and treatment of paramyxovirus infections (such as respiratory syncytial virus) using in vitro and animal models. It has taken a leadership role in the US response to the novel coronavirus pandemic caused by the Severe Acute Respiratory Coronavirus-2 (SARS CoV-2). It is a site for the Adaptive COVID-19 Treatment Trial (ACTT) studies and for the phase 3 study of the efficacy of the Moderna mRNA-1273 Vaccine. Dr. Hana El Sahly, PI of the Vaccine Research Center, is Co-PI of the phase 3 study of the Moderna vaccine.

Infectious Diseases faculty who are members of the Vaccine Research Center include Drs. Hana El Sahly (PI), Robert Atmar, Wendy Keitel, and Jennifer Whitaker.

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

IQuEST, a combined Baylor and a VA Health Services Research & Development Center of Innovation, conducts high-quality scientific research that improves the health of patients across the nation, by helping to ensure the patient-centered delivery of scientific discoveries. The research extends from

patient experience, to clinical practice and outcomes of care, to the development of healthcare policy, and has been disseminated to key policy makers, healthcare administrative leaders, influential stakeholders, the mainstream media, as well as the best academic journals and professional scientific societies. IQuEST is focused on improving the health and well-being through:

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

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