

William Brett Perkison MD, MPH, FACOEM
Department of Environmental and Occupational Health
Sciences
Southwest Center for Occupational and Environmental
Health School of Public Health
University of Texas Health Science Center at
Houston 1200 Pressler St., RAS W1040
Houston, Texas 77030

A. BACKGROUND

1. EDUCATION, TRAINING AND LICENSING

Education

Univ. of Texas – School of Public Health	MPH	Occupational Health	2003
Univ. of Texas – Medical Branch	M.D.	Medicine	1994
Texas A&M Univ.	B.A.	Biology	1989

Postgraduate Residency Training

Univ. Texas – School of Public Health	Occupational Medicine	2003
Baylor College of Medicine	Family Medicine	2000

Professional Certifications

Texas Medical License, Texas State Board of Medical Examiners	1996 - Present
American Board of Family Medicine (recertified 2010, 2020)	2000 - Present
American Board of Preventive Medicine (recertified 2015)	2005 - Present

Fellow of the American College of Occupational
and Environmental Medicine (FACOEM)

2009 - Present

2. HONORS AND AWARDS

2024	University of Texas School of Public Health Community Service Award
2023	Outstanding Recognition for Service – Texas College of Occupational and Environmental Medicine
2010	Shell Recognition Vice Presidential Award
2005	Outstanding Physician Recognition Award. Texas State Bar Standing Committee on Disability Issue

3. PROFESSIONAL EXPERIENCE

Univ. of Texas School of Public Health, Associate Professor, Tenured	Department of Environmental and Occupational Health Sciences	2025-Present
UT SPH Nutrition and Health Weight Clinic – El Paso, TX (5% FTE)	Medical Director	2023-Present
Univ. of Texas School of Public Health	Department of Environmental and Occupational Health Sciences	
Univ. of Texas Health Science Center Employee Health (15% FTE)	Assistant Medical Director/Provider	2022-Present
University of Texas Physicians – Bayshore Site (20% FTE)	Provider	2016-2022
Univ. of Texas School of Public Health	Program Director, Occupational and Environmental Medicine Residency	2020-Present
Univ. of Texas School of Public Health Assistant Professor, Tenure Track	Department of Environmental and Occupational Health Sciences	2023-2025

Univ. of Texas School of Public Health Assistant Professor, Tenure Track	Department of Epidemiology, Human Genetics and Environmental Sciences	2016-2023
Univ. of Texas Health Science Center	Assistant Professor, Family Medicine	2016-2025
Baylor College of Medicine	Medical Director, Environmental Health Section	2014- 2016
Baylor College of Medicine	Assistant Professor, Non-tenure track Family Medicine Department	2011-2016
Baylor College of Medicine	Medical Director, Employee Health Texas Children's Hospital	2011-2016
Shell Oil	Mid-Americas, Regional Health Manager	2008-2011
Shell Oil	Corporate Headquarters, Health Manager	2006-2008
Baylor College of Medicine	Medical Director Strawberry Health Center	2004-2006
Baylor College of Medicine	Staff Physician Strawberry Health Center	2003-2004
Baylor College of Medicine	Assistant Professor, Non-tenure track Family Medicine Department	2004-2006
Baylor College of Medicine	Clinical Instructor Family Medicine Department	2000-2004
Baylor College of Medicine	Staff Physician Strawberry Health Center	2003-2004
Baylor College of Medicine	Assistant Professor, Non-tenure track, Family Medicine Department	2004-2006
Baylor College of Medicine	Clinical Instructor, Family Medicine Department	2000-2004

B. RESEARCH

1. McLellan, Robert K. MD, MPH; Berenji, Manijeh MD, MPH; Egbuji, Ada MD, MSPH; Fagan, Kathleen MD, MPH; Nabeel, Ismail MD, MPH, MS; **Perkison, William Brett MD, MPH**; Rabinowitz, Peter MD, MPH; Santiago, Romero MD, MPH; Sirinara, Patthrarawalai MD, MPH, PhD; Stoneman, Emily MD; Thompson, Hannah MD; MPH. *ACOEM Guidance Statement, Harnessing Occupational and Environmental Medicine Expertise to Transform Medical Care: A Catalyst for Mitigating the Human Health Impacts of Climate Change ACOEM Work Group on Climate Change Education*. Journal of Occupational and Environmental Medicine:10.1097/JOM.0000000000003523, August 11, 2025.
2. *Muinat Abolore Idris, Christine Markham, Kristina D. Mena, **William B. Perkison**. *Examining Management and Employees' Perceptions of Occupational Heat Exposure and the Effectiveness of a Heat Stress Prevention Intervention on Safety and Well-Being among Natural Gas Construction Workers: A Qualitative Field-Based Study*. Int. J. Environ. Res. Public Health 2024, 21(9), 1255; <https://doi.org/10.3390/ijerph21091255>
3. Patlovich, Scott J; Emery, Robert J; King, Kristin G; Becker, Zackary B; Kairis, Rebecca B; Robinson, Mary A; Harrison, Joy M; Delclos, George; **Perkison, William B**. *An innovative approach for health and safety training and occupational health program annual enrollment for laboratory animal care and use personnel*. Laboratory animals (London),2025-02 (1) p. 113-119.
4. *Jannace KC, Pompeii L, Gimeno Ruiz de Porras D, **Perkison WB**, Yamal JM, Trone DW, Rull RP ; *Lifetime Traumatic Brain Injury and Risk of Post-Concussive Symptoms in the Millennium Cohort Study*. Neurotrauma. 2024 Mar;41(5-6):613-622. doi: 10.1089/neu.2022.0213.
5. *Jannace, KC; Pompeii L; de Porras DGR; **Perkison, WB**; Yamal JM; Trone, DW; Rull, RP; *Traumatic Brain Injury in Deployment and Nondeployment Setting Among Members of the Millennium Cohort Study*. J Head Trauma Rehabil. 2024 Jun 27: doi: 10.1097/HTR.0000000000000970

6. **Perkison William Brett**; Shegog, Ross; Lai, Dejian; *Upadhyay, Saswati; *Yalavarthy, Geethika; *Guerrero-Luera, Rosalia; *Mathews, Patenne D.; Rios, Janelle; *Mehta, Ritesh; McLaughlin, Jeffery; Nabeel, Ismail. *Development of System-based Digital Decision Support (“Pocket Ark”) for Post-flood Enhanced Response Coordination and Worker Safety: An Intervention Mapping Approach*. *Frontiers in Environmental Health*, 2024-06, Vol.3. e. <https://doi.org/10.3389/fenvh.2024.1368077>
7. **Perkison WB**, *Fwelo P, Velasco-Huerta F, et al. *Pilot Study to Assess the Effectiveness of the Sustainable Culturally Adaptive Nutrition Program (SCAN) to Improve Adherence to the National Diabetes Prevention Program*. *American Journal of Health Promotion*. 2024;0(0). doi:[10.1177/08901171241237522](https://doi.org/10.1177/08901171241237522)
8. **Perkison W**, Schaefer C, Green-McKenzie J, *Roy R, Shofer F, McCarthy R. Outcomes for a Heat Illness Prevention Program in Outdoor Workers. *Journal of Occupational and Environmental Medicine*. 2024; 66 (4): 293-297. doi: 10.1097/JOM.0000000000003051.
9. Sharon A. Brown, Mary A. Winter, Heather A. Becker, Alexandra A. García, Mary M. Velasquez, Hirofumi Tanaka, **William B. Perkison**, Eric L. Brown, David Aguilar, and Craig L. Hanis. *Intervention to Augmented Text Messaging During COVID-19 in Mexican Americans with Prediabetes: The Starr County Diabetes Prevention Randomized Clinical Trial*. *Science of Diabetes Self-Management and Care*. April 2024 (Volume 50, Number 2) issue of *The Science of Diabetes Self-Management and Care* doi:[10.1177/26350106241233475](https://doi.org/10.1177/26350106241233475)
10. **Perkison, W. B.**, Rodriguez, S. A., Velasco-Huerta, F., *Mathews, *P. D., Pulicken, C., *Beg, S. S., Heredia, N. I., *Fwelo, P., White, G. E., Reininger, B. M., McWhorter, J. W., Chenier, R., & Fernandez, M. E. (2023). *Application of implementation mapping to develop strategies for integrating the National Diabetes Prevention Program into primary care clinics*. *Frontiers in public health*, 2023 Apr 26;11, 933253. <https://doi.org/10.3389/fpubh.2023.933253>
11. *Fwelo, P., Adzrago, D., Adekunle, A.D., Toluwani E. Adekunle, Ambrose Akinlo, **William B. Perkinson**. *Relationship between mental health disorder symptoms and negative cancer perceptions among U.S. adults*. *Cancer Causes Control* (2023). <https://doi.org/10.1007/s10552-022-01665-9>
12. Brown, S. A., Becker, H. A., García, A. A., Velasquez, M. M., Tanaka, H., Winter, M. A., **Perkison, W. B.**, Brown, E. L., Aguilar, D., & Hanis, C. L. (2023). *Acculturation, Dietary Behaviors, and Macronutrient Intake Among Mexican*

Americans With Prediabetes: The Starr County Diabetes Prevention Initiative. *The science of diabetes self-management and care*, 49(1), 65–76.
<https://doi.org/10.1177/26350106221146473>

13. Essigmann, H. T., Aguilar, D. A., **Perkison, W. B.**, Bay, K. G., Deaton, M. R., Brown, S. A., Hanis, C. L., & Brown, E. L. (2022). Epidemiology of Antibiotic Use and Drivers of Cross-Border Procurement in a Mexican American Border Community. *Frontiers in public health*, 10, 832266.
<https://doi.org/10.3389/fpubh.2022.832266>
14. Essigmann, H. T., Hanis, C. L., DeSantis, S. M., **Perkison, W. B.**, Aguilar, D. A., Jun, G., Robinson, D. A., & Brown, E. L. (n.d.). Worsening Glycemia increases the Odds of intermittent But Not Persistent *Staphylococcus aureus* Nasal Carriage in Two Cohorts of Mexican American adults. *Microbiology Spectrum*. Volume 10 Issue 3 June 29, 2022.
15. Palasi, Stephen; Zhang, Ning; Bankston, Mikaela; Godby, Joy; Burrow, Hannah; Lagunas, Jennifer; Perkison, William; Gunn Brandon; Chambers, Mark S; Rosenthal, David I. Morrison, William; Garden, Adam; Fuller, Clifton David; Giordano, Sharon; Koay, Eugene J. *Factors Associated with Complex Oral Treatment Device Usage in Patients with Head and Neck Cancer* Clinical and Translational Radiation Oncology, 2021-09, Vol. 30, p. 78-83.
16. Ngo, A (Ngo, Alexandra); Froessler, L (Froessler, Luise); McWhorter, JW (McWhorter, John Wesley); **Perkison, WB (Perkison, William Brett)**; Katta, R (Katta, Rajani), *Diabetes Detection and Prevention in Dermatology*. Dermatology Practical and Conceptual. Volume 11 Issue 4 DOI10.5826/dpc.1104a131. September 9, 2021.
17. Symanski E, An Han H, Han I, McDaniel M, Whitworth KW, McCurdy S, **Perkison WB**, Rammah A, Lewis PGT, Delclos GL, Craft E, Bondy M, Walker CL, Hopkins L, Cedeño Laurent JG, James D. Responding to Natural and Industrial Disasters: Partnerships and Lessons Learned. *Disaster Med Public Health Prep*. 2022 Jun;16(3):885-888. doi: 10.1017/dmp.2020.467. Epub 2021 Mar 16. PMID: 33722331; PMCID: PMC8443687.
18. Senay, E., Cort, T., **Perkison, W.**, Laestadius, J. G., & Sherman, J. D. (2022). What Can Hospitals Learn from The Coca-Cola Company? *Health Care Sustainability Reporting*. *NEJM Catalyst*, 3(3). <https://doi.org/10.1056/cat.21.0362>
19. Tustin, A., Sayeed, Y., Berenji, M., Fagan, K., McCarthy, R. B., Green-McKenzie, J., McNicholas, J., Onigbogi, C. B., **Perkison, W. B.**, Butler, J. W., & ACOEM Work

- Group on Occupational Heat-Related Illness (2021). Prevention of Occupational Heat-Related Illnesses. *Journal of occupational and environmental medicine*, 63(10), e737–e744. <https://doi.org/10.1097/JOM.0000000000002351>
20. Nabeel I, Caraballo-Arias Y, **Perkison WB**, McCarthy RB, Saberi P, Berenji M, Goldman RH, Laestadius JG, Sokas RK, Das R, Senay E, Wilkenfeld M, Cook-Shimanek M; ACOEM Work Group on Mitigation/Adaptation Strategies Related to Climate Change. Proposed Mitigation and Adaptation Strategies Related to Climate Change: Guidance for OEM Professionals. *J Occup Environ Med*. 2021 Sep 1;63(9):e650-e656. doi: 10.1097/JOM.0000000000002321. PMID: 34491973.
 21. Brown, E. L., Essigmann, H. T., Hoffman, K. L., Palm, N. W., Gunter, S. M., Sederstrom, J. M., Petrosino, J. F., Jun, G., Aguilar, D., Perkison, W. B., Hanis, C. L., & DuPont, H. L. (2020). Impact of Diabetes on the Gut and Salivary IgA Microbiomes. *Infection and immunity*, 88(12), e00301-20. <https://doi.org/10.1128/IAI.00301-20>
 22. *Li, Y., Bakos-Block, C., Rammah, A., Magal, R., Adekanye, J., Esquenazi, S., McDaniel, M. R., Zhang, K., Symanski, E., & Perkison, W. B. (2020). The Post Hurricane Harvey Respiratory Protection Training Program. *Journal of occupational and environmental medicine*, 62(10), 842–846.
<https://doi.org/10.1097/JOM.0000000000001976>
 23. Bruhl, R.J., **Perkison, W.B.**, Hanania, N.A., McNeill, L.H., Oluyomi, A.O., Fiesinger, E.B., Minard, C.G., Solomon, A., Hamilton, W.J., *The Patient/Stakeholder Advisory Board & other members of the HIITBAC Research Team (in press). Design of a home-based intervention for Houston-area African-American adults with asthma: Methods and lessons learned from a pragmatic randomized trial.* Contemporary Clinical Trials. 2020-04, Vol. 91, p. 105977. PMID: 32151753; DOI: 10.1016/j.cct.2020.105977
 24. Saberi, Pouné MD, MPH; Nabeel, Ismail MD, MPH; Cook-Shimanek, Margaret MD, MPH; McCarthy, Ronda MD, MPH; Guidotti, Tee MD, MPH; Pensa, Mellisa A. MD; **Perkison, William B. MD, MPH** ; “How can Climate Change Impact the Workplace and Worker Health? Part 3 ; Air Pollution, Greenhouse Gases, and Cardiorespiratory Health”; *J Occup Environ Med*. August, 2019-08-16, Vol. 61 (10), p. e427-e428. DOI: 10.1097/JOM.0000000000001694
 25. Ismail Nabeel, MD, MPH, Tee Guidotti, MD, MPH, Mellisa A. Pensa, MD, MPH, **William B. Perkison, MD, MPH**, Margaret Cook-Shimanek, MD, MPH, Ronda McCarthy, MD, MPH, Pouné Saberi, MD, MPH, Dale Gregory Kearney, PhD, Malika Garg, MD, MS; Olagunju Oluwatobi, “How Can Climate Change Impact the Workplace and Worker Health? Part 6: Operational Support-Related Responsibilities of Occupational and Environmental Medicine Experts to the Employer in the Context of Climate Change.” 2019 July, *Journal of Occup and Environ Medicine*.

- 61(7):e317–e319. <https://doi.org/10.1097/JOM.0000000000001621>
26. Guidotti, Tee L. MD, MPH; Cook-Shimanek, Margaret MD, MPH; Papanek, Paul MD, MPH; Pensa, Mellisa MD, MPH; **Perkison, Brett MD, MPH**; Saberi, Pouna MD, MPH; Nabeel, Ismail MD, MPH; Kearney, Gregory D. DrPH, MPH; McCarthy, Ronda MD, MPH. *The Sustainable Energy Transition and Occupational Health*. June 2019, Journal of Occup and Environ Medicine. 61(6), June 2019, p e306-e307. DOI: [10.1097/JOM.0000000000001602](https://doi.org/10.1097/JOM.0000000000001602)
27. Margaret Cook-Shimanek, MD, MPH, Sara Paull, PhD, Mellisa A. Pensa, MD, MPH, Tee Guidotti, MD, MPH, **William B. Perkison, MD, MPH**, Ismail Nabeel, MD, MPH, Paul Papanek, MD, MPH, Pouna Saberi, MD, MPH, Ronda McCarthy, MD, MPH; *How Does a Changing Climate Impact the Health of Workers? Part 5: Vectorborne Disease*. Journal of Occupational and Environmental Medicine. J Occup Environ Med. Volume 61(2), February 2019, p e66-e68 DOI: [10.1097/JOM.0000000000001519](https://doi.org/10.1097/JOM.0000000000001519)
28. Guidotti TL, Cook-Shimanek M, Papanek P, Pensa M, **Perkison B**, Saberi P, Nabeel I, Kearney GD, McCarthy R; *Carbon Emission Mitigation Strategies: What Occupational Physicians Need to Know*. J Occup Environ Med. 2018 Sep 24. DOI: [10.1097/JOM.0000000000001464](https://doi.org/10.1097/JOM.0000000000001464)
29. **Perkison WB**, Adekanye JA, de Oliveira Otto MC.; *Dietary Interventions and Type2 Diabetes in Youth: a Fresh Look at the Evidence*. Curr Nutr Rep. 2018 Aug 28 DOI: [10.1007/s13668-018-0241-2](https://doi.org/10.1007/s13668-018-0241-2)
30. McCarthy RB¹, McKenzie JG, **Perkison WB**, Guidotti T, Nabeel I, Pensa MA.; *How Does a Changing Climate Impact the Health of Workers? Part 1: Increased Ambient Temperature*; J Occup Environ Med. 2018 Apr 19. DOI: 10.1097/JOM.0000000000001342
31. Brown SA, **Perkison WB**, Garcia AA, Cuevas HE, Velasquez MM, Winter MA, Hanis CL; *The Starr County Border Health Initiative: Focus Groups on Diabetes Prevention in Mexican Americans*; **Diabetes Educ**. 2018 Jun; 44(3):293-306. 2018 Apr 12. doi: [10.1177/0145721718770143](https://doi.org/10.1177/0145721718770143)
32. **Perkison WB**, Kearney GD, Saberi P, Guidotti T, McCarthy R, Cook-Shimanek M, Pensa MA, Nabeel I; *ACOEM Task Force on Climate Change; Responsibilities of the Occupational and Environmental Medicine Provider in the Treatment and Prevention of Climate Change-Related Health Problems*; J Occup Environ Med. 2018 Feb;60(2):e76- e81. DOI: 10.1097/JOM.0000000000001251
33. Sharma, Shreela V. PhD, RD, LD; Upadhyaya, Mudita MPH; Karhade, Mandar

MBBS, MPH; Baun, William B. EPD, CWP, FAWHP; **Perkison, William B.** MD, MPH, FACOEM; Pompeii, Lisa A. PhD; Brown, Henry S. PhD; Hoelscher, Deanna M. PhD, RD, LD; *Are Hospital Worker's Healthy A Study of Cardiometabolic, Behavioral and Psychosocial Factors Associated with Obesity Among Hospital Workers*; JOEM 2016; 58(12):1231-123. DOI: 10.1097/JOM.0000000000000895

34. Shreela V. Sharma, Courtney Winston Paolicelli, Vinu Jyothi, William Baun, **Brett Perkison**, Mary Phipps, Cathy Montgomery, Michael Feltovich, Julie Griffith, Veronica Alfaro and Lisa A. Pompeii; *Evaluation of worksite policies and practices promoting nutrition and physical activity among hospital workers*; International Journal of Workplace Health management. 2016; 9(1): 46-62. DOI:10.1108/IJWHM-03-2014-0005

35. **Perkison WB**, Sidani M, *A Review of Adult Asthma and the Effectiveness of Educational Programs Reducing Symptoms*; Family Medicine and Community Health 2015; 3(2):54-61. DOI:[10.15212/FMCH.2015.0121](https://doi.org/10.15212/FMCH.2015.0121)

36. Jennan A. Phillips, PhD, MSN, RN, Michael G. Holland, MD, Debra D. Baldwin, NP-C, PhD, Linda Gifford Meuleveld, RN, COHN-S, CCM, CPDM, Kathryn L Mueller, MD, MPH, **Brett Perkison, MD, MPH**, Mark Upfal, MD, MPH, and Marianne Dreger; *Marijuana in the Workplace: guidance for Occupational Health Professionals and Employers: Joint Guidance Statement of the American Association of Occupational Health Nurses and the American college of Occupational and Environmental Medicine*. Journal of Occupational and Environmental Medicine. 2015; 57(4): 459. DOI: 10.1177/2165079915581983

2. Grants and Contract Awards

Active, Principal Investigator

- | | |
|-----------|---|
| 2023-2028 | NCI, U54/R-01, <i>Center for Transformative Community-Driven Research to Prevent Obesity-related Cancer</i> , 1U54CA280804-01, (Direct costs: \$1,267,752.00, 10% effort). Co-PI. |
| 2023-2028 | Texas Department of State Health Services, <i>Heart Disease and Stroke Prevention Program</i> . HHS00133670001 (Direct costs: \$444,445; 15% effort). Yearly renewal for 5 years. M-PI. |
| 2022-2024 | NIEHS, R-44, <i>Agile Development of an Innovative, Interactive Hazard Recognition and Mitigation Tools/Learning E-Platforms for Workers Involved in the Rescue and Recovery Operations Prone to Sar-Cov-2 Virus Infection</i> . R44ES030580. (Direct costs: \$89,762; 10% effort). PI. |

Active, Co-Investigator

- 2023-2028 Texas State Department of Health, *A Strategic Approach to Advancing Health Equity for Priority Populations with, or at Risk for, Diabetes*. HHS001446300001 (Direct costs: \$277, 778; 5%). Yearly renewal for 5 years.
- 2022-2027 TAMU/NIOSH, *Characterization and Comparison of Worker Health Status on Western US Large Herd Dairy Farms* 2U54OH007541-22-00, (Direct costs: \$95,112, 5 % effort).
- 2020-2025 CDC/NIOSH, *Southwest Center for Occupational and Environmental Health, Occupational Medicine, Occupational Medicine Program Director*, T42OH008421 (Direct costs: \$7,636,272,753; 15 % effort).

Completed, Principal Investigator

- 2018-2023 Texas Department of Health DPP Implementation Program, *Improving the Health of Americans through Prevention and Management of Diabetes and Heart Disease and Stroke*. U58DP006537, N58DP006622 (Direct costs: \$4,508,642; 10 % effort: yr 1; 20% effort yr 2-5), Co-I 2018-2019, mPI 2020-2023.
- 2022-2023 Rice University Baker Policy Institute Fellowship. (Direct costs: 23,809; 2% effort), PI.
- 2021-2023 Kresge Foundation, *Climate Change Health and Equity*. (Direct costs: \$11,000; 2% effort), PI.
- 2019-2021 NIEHS R-43, *Agile Development of an Innovative, Interactive Hazard Recognition and Mitigation Tools/Learning E-Platforms for Workers Involved in the Rescue and Recovery*, R43ES03058, (Direct costs: \$10,874; % effort: Yr. 1 3.8%, Yr. 2-3 5%), PI.
- 2019-2021 NIEHS, R-43, *Extending a Digital Risk Mitigation Intervention for Workers Deployed in Diverse Post-Flood Environments to Address Unique SARS-CoV-2 Virus Infection Exposure Risks in Construction Workplaces*, Supplement to R43ES03058, (Direct costs: 18,533), PI.
- 2018-2019 Southwest Center for Occupational and Environmental Health, Pilot/Small Projects Research Training (PPRT) Program/ NIOSH, *The Hurricane Harvey Outreach Protection Plan Worker and Resident Survey*. (Direct costs:

\$10,000; % effort: salary not funded), PI.

2016-2018 Baylor/PCORI, *Better Asthma Control (HIIT-BAC) for African-Americans*, AS-1308-05887, (Direct costs: 32,648, 10 % effort). PI.

Completed, Co-Investigator

- 2022-2023 UT Foundation/Bank of America, *Financial coaching and lifestyle intervention for diabetes prevention in low-income families*, (Direct costs: \$77,412; 2% effort)
- 2020-2022 NIFA/USDA, *COVID-19 in the US Dairy Industry: Development, Delivery and Evaluation of Training Resources for Producers and Workers* 2020-67023-32905, (Direct costs: \$499,312; % effort)
- 2018-2020 NIMHD, R21, *Work Hour Patterns and Diabetes Disparities*, 5R21MD012942-02, (Direct costs: \$225,000; % effort: Yr 1-2, 10%).
- 2021-2023 State of Texas, Texas Epidemiologic Public Health Institute, U.S. Treasury (Direct costs: \$27,732, 456; 10 % effort).
- 2021-2023 TAMU/NIOSH, *Texas Vaccine Outreach and Education* HHS00104310000, (Direct costs: \$299, 305; 5 % effort).
- 2017-2022 UT Austin/NIDDK, R-01, *Diabetes Prevention Culturally Tailored for Mexican Americans*. 1R01DK109920, (Direct costs: \$184, 684; 5 % effort).
- 2015-2020 CDC/NIOSH, *Southwest Center for Occupational and Environmental Health, Occupational Medicine, Occupational Medicine Program Director*, T42OH008421 (Direct costs: 6,523,947; 5 % effort).

C. INVITED TALKS, PRESENTATIONS, AND POSTERS

1. Invited Talks and Interviews and Review Panels

1. “*Ways to develop a Disaster Response Plan for your patients*”, National Academy of Medicine, Southern Great Plains Learning Collaborative, Climate Grand Challenge, September 19, 2025.
2. “*Healthcare Sustainability for UTHealth*”, moderator for Dr. Muoi Trinh, Ichan School of Medicine, Sustainability Committee. September 9th, 2025.
3. Personal Monitors to reduce Heat Stress, *National Public Radio*, July 16th. Interview

with Nova Safo – pocket ark<https://www.marketplace.org/episode/2025/07/28/the-growing-market-for-cool-wearables-to-help-beat-the-heat>

4. 2025 Health Professional Conference, *Heat Stress Prevention Programs*, May 28, 2025.
5. *Collaboration Between Two Residencies and the State Workers Compensation Providers*, American Occupational Health Conference, April 27, 2025
6. *Environmental Health: How to Incorporate it into your clinic*. American Occupational Health Conference, April 27, 2025
7. *Climate Change Panel*. Houston Global Health Collaborative April 5, 2025
8. International Oil Drilling Contractors: Health, Safety, Environment & Training Conference & Exhibition. February 20, 2025
9. *Ways to Prevent and Identify Heat Stress*. Lutherans Resorting Creation, October 27th, 2024
10. The Importance of Men's Health – Podcast, UHealth Employee Wellbeing Newsletter, July, 2024.
11. *Heat Stress: Recognition and Prevention*. Workplace Without Borders, Virtual, June 13, 2024.
12. *Water reuse - communications, education, and outreach*; panelist on presentation to 24th annual Water Reuse conference; Denver, Colorado, March 13th, 2024.
13. *Introduction to the Field of Occupational and Environmental Medicine*, Lecture to Texas Tech Medical Students about the specialty, Virtual, March 1st, 2024.
14. *E-learning tool for construction workers going into areas affected natural disasters*; Virtual, NIEHS Disaster Response Program – community network; February 2nd, 2024.
15. *How Industrial Emissions in Harris County Impact Asthma Rates and Excess Deaths*; Expert Panelist for the release date of this report comprehensive report from the advocacy organization Houston Air Alliance; Virtual, December 7th, 2023.
16. *Hot Stops, how Houston Bus Stops Get Dangerously Hot*, NPR radio interview Sara Watkins, August 11, 2023. <https://www.houstonpublicmedia.org/articles/series/hot-stops/2023/09/07/461283/its-like-a-sweatbox-houston-bus-stops-reach-dangerous-temperatures-this-summer/>

17. *Heat Stress and Workers* – ACOEM national Podcast, Ismail Nabeel moderator, August 24, 2023. <https://sph.uth.edu/research/centers/swcoeh/news/dr-william-brett-perkison-appears-on>
18. *Pocket Ark – New Approaches to Occupational Safety Health training*; National Institute of Occupational Safety and Health; Virtual, June 14, 2023.
19. *The Effectiveness of Implementing Evidence-Based Interventions to Improve Patient Outcomes in Federally Qualified Health Centers: A Multidisciplinary Approach*, Texas State Department of Health Services Grand Rounds; Virtual, April 26, 2023.
20. *Protecting Construction Workers in Operating in the Post Flood Environment*; 11th Annual Houston Global Health Collaborative Conference; University of Houston Medical School, March 25th, 2023.
21. *Reconnecting Communities after natural disasters* – Lutheran Restoring Creation community lecture series, Virtual, Houston, TX. February 26th, 2023
22. *Occupational Health Programs*; UTHealth Biological Safety Course; Houston, Sept. 29, 2022.
23. *Heat Stress Webinar*; Southwest Center for Occupational and Environmental Health; Houston, August 26, 2022.
24. *Pocket Ark Use in Disaster Preparedness*; NIOSH Centers Conference; Virtual, July 28, 2022.
25. *Futures in Public Health and Occupational Medicine* – Biol 302, Careers in Biology, Texas A&M; Virtual, April 11, 2022.
26. *Health Effects associated with Climate Change* - 10th Annual Houston Global Health Collaborative Conference, Virtual, March 5, 2022.
27. *Occupational Medicine Considerations for Rollout of new TSCA standards for Industry* – EPA, Risk Management Division; Virtual, February 23, 2022.
28. *Health Effects Related to Climate Change*; Climate Citizen Lobby; Virtual, February 12, 2022.
29. *Climate Change health Effects*; Healthier Texas Summit; Virtual, October 28, 2021.
30. *Health Effects of Climate Change*; University of Houston Medical School – small group session mentoring; Houston, TX. October 20, 2021.

31. *Futures in Public Health and Occupational Medicine* – Biol 302, Careers in Biology, Texas A&M; Virtual, Oct 1, 2021.
32. *How can Physicians prepare for Climate Change?* - University of Maryland student environmental Medicine Section; Virtual, September 16, 2021.
33. *Hurricane Harvey Outreach program* - Harris County Public Health Department of Office and Technology; Houston, TX., April 29, 2021
34. *Climate Justice Training hosted by the Coalition of Equity Environment and Resiliency* - Heat stress and mental health in the face of climate change. Houston, TX, February 13th, 2021.
35. *Environmental Justice Issues in Houston*; Texas Energy Summit; Houston, TX. Nov 13, 2020.
36. *Climate change and Human Health* - UT SPH Stallones Lecture Series; Moderator - Dr. Jonathan Patz; Nov 4, 2020.

2. Non-Peer Reviewed Articles

1. “*Climate Change and Health Care*”, Interview by Megan Rose, Center for Houston’s Future. April 10, 2024. <https://www.futurehouston.org/wp-content/uploads/2024/04/CHF-Health-Care-and-Climate-Change-Press-Release.pdf>
2. “*For Faster Disaster Recovery, Prioritize Reconstruction Workers*”, Baker Institute Policy Brief 10.23.23 Perkison, William Brett, and Bill Christian. Rice University’s Baker Institute for Public Policy, Houston, Texas <https://doi.org/10.25613/r2p5-r026>; October 23, 2023.
3. “*Reflections on Hurricane Maria and Harvey – The Road to Recovery Twitter panel on 5th Anniversary of Hurricane Harvey*”; Hosted by Climate Nexus. <https://twitter.com/i/spaces/1RDGlacqWXRJL>; Sept 20, 2022.
4. “*As Nation Gets Hotter, Efforts To Prevent Worker Heat Deaths Accelerate, But Fixes Aren’t As Simple As They Seem - Texas Public Radio*”, Kim Krisberg. <https://www.tpr.org/environment/2021-09-28/as-nation-gets-hotter-efforts-to-prevent-worker-heat-deaths-accelerate-but-fixes-arent-as-simple-as-they-seem>; Sept 28, 2021.
5. “*COVID19 in the Dairy Industry*”; William Brett Perkison, Janelle Rios, Wei Chung Su, David Douphrate,: *website publication* <https://www.youtube.com/watch?v=xaCox7B1tdU>; March 4. , 2021

6. “*Frequently asked questions: COVID19 in the Dairy Industry*”, website publication: <https://www.youtube.com/watch?v=ldc8bbHf34k> ; March 4, 2021.
7. “*Plastics Pollution on the Rise. Environmental Integrity Project*”, Participated in press release of the report over the phone summarizing the known health risks associated with air pollution related to the plastic industry. Ari Phillips. <https://www.environmentalintegrity.org/wp-content/uploads/2019/09/Plastics-Pollution-on-the-Rise-report-final.pdf>; September 5, 2019.
8. “*Flu season ends. Planning begins*”, Leigh Valley Business. Dawn Ouellette Nixon. <https://www.lvb.com/flu-season-ends-planning-begins/>: April 17, 2019.

3. Scientific Meetings Presentations

- 1.
2. *Development of System-Based Digital Decision Support (‘Pocket Ark’) for Post-Flood Enhanced Response Coordination and Worker Safety: An Intervention Mapping Approach*. 17th Annual Conference on the Science of Dissemination and Implementation in Health: Dec 9th, 2024.
3. *Heat Stress Management and Worker Health*. Southern College of Occupational and Environmental Medicine component annual conference: Nov. 1, 2024.
4. *Measuring the Effectiveness of Cooling Vests to Reduce Heat Strain in Construction Workers*. American Public Health Association Conference: October 30th, 2024
5. *Improving the Occupational Medicine Pipeline*. American College of Occupational Health Conference: May 20th, 2024
6. *Legislative updates on heat stress*. American College of Occupational Health Conference: May 20th, 2024

7. *Pocket Ark and protection of workers against floods.* American College of Occupational Health Conference: April 18th, 2023
8. *Heat Stress Medical Surveillance System.* American College of Occupational Health Conference: April 17th, 2023
9. *Primer on Environmental Medicine - Part I: What is It and What do Environmental Physicians Do?* American Occupational Health Conference: May 4, 2021
10. *Climate Mitigation Strategies for the Occupational and Environmental Physician -* American Occupational Health Conference: May 3, 2021.
11. *The Relationship of Health and Sustainability and The Post Hurricane Harvey Respiratory Protection Training Program.* American Occupational Health Conference; May 2, 2021, *NIOSH Pilot Project annual presentation.* Results of Hurricane Harvey Study. Houston, TX. June 22, 2019
12. *Results of Hurricane Harvey Study.* Texas College of Occupational and Environmental Medicine annual conference; Dallas TX., May 18, 2019

4. Poster Presentations

1. International Movement Disorder, (Honolulu, Hawaii, October 8, 2025); *Refining a Claims-Based Severity Rating Scale for Parkinson's Disease Using Machine Learning*. Erik Krause, DO Sulki Park, PhD, Xiaorui Zhang, MS, Caroline Schaefer, MPH, Chau Truong, PhD, Xiaoqian Jiang, PhD, William Perkison, MD, MPH, Trudy M. Krause, DrPH
2. International Movement Disorder, (Honolulu, Hawaii, October 8, 2025); *Assessment of the Impact of Environmental Factors on Disease Progression in Parkinson's Disease*. Erik Krause, DO Sulki Park, PhD, Xiaorui Zhang, MS, Caroline Schaefer, MPH, Chau Truong, PhD, Xiaoqian Jiang, PhD, William Perkison, MD, MPH, Trudy M. Krause, DrPH
3. Healthier Texas Summit, Austin Texas, (Austin TX, October 11-12, 2024); *Pilot Study to Assess the Effectiveness of the Sustainable Culturally Adaptive Nutrition Program (SCAN) to Improve Adherence to the National Diabetes Prevention Program*. William B. Perkison MD, Pierre Fwelo, PhD, MPH, Natalia I. Heredia, Ella Garza, James J. Yang, Fernanda Velasco-Huerta, Serena A. Rodriguez, Sidra S. Beg, Catherine Pulicken, Patenne D. Mathews, Belinda M. Reininger, Roshanda S. Chenier, Maria E. Fernandez.
4. International Conference on Occupational Health, (Marrakesh, Morocco, April 28th – May3rd); *Workers Feel Heat and Air Pollution: Expansion of the Role of Heat Stress Programs*. Poune Saberi, **William B. Perkison**.
5. Dissemination and Implementation Conference, (Washington DC, December 11-14, 2022); *Pilot Study to Assess the Effectiveness of the Sustainable Culturally Adaptive Nutrition Program (SCAN) to Improve Adherence to the National Diabetes Prevention Program*. **William B Perkison**, Serena Rodriguez, Fernanda Velasco-Huerta, Melissa Valerio, Belinda Reininger, Maria Fernandez
6. International Union for Health Promotion and Education Annual Meeting (Virtual/Montreal, Canada, May 15-19 2022); *Utilizing intervention mapping to develop the sustainable culturally adapted nutrition program (SCAN) to improve participant attendance in Diabetes Prevention Programs (DPP)*; **William B. Perkison**, Pierre Fwelo, Patenne Mathews, Fernanda Velasco-Huerta, Maria Fernandez.
7. American Academy of Allergy, Asthma, and Immunology Annual Meeting (Phoenix, AZ, February 25-28, 2022); *The Effectiveness of a Clinically Driven Home-Based Intervention in Houston-Area African American Adults with Poorly Controlled Asthma*; Winifred J. Hamilton,¹ Rebecca J. Bruhl, Abiodun Oluyomi, **William B.**

Perkison, Danielle Guffey, and Jacky Kuo.

D. TEACHING

1. University of Texas School of Public Health Classes

PH	2265	Occ. Medicine Practice. Fall/Spring/Summer 2018 – present (2 credit Hrs.)
PH	2835	Injury Epidemiology. Summer 2019 (3 credit Hrs.)
PH	2243	Principles of Occ. Ergonomics. Fall 2023 (3 credit Hrs.)
PH	2110	Public Health and Human Ecology Fall 2018 - present (3 credit Hrs.)
PH	2498	Primary Care Preceptorship. Fall/Spring 2018-present (2 credit Hrs.)
PH	2132	Infection Control and Biosafety. Fall 2018 (3 credit Hrs.)
PH	2255	Clinical Occupational Medicine. Spring 2017 -present (4 credit Hrs.)
PH	9997	Practicum – 67 Hrs
PHM	9998	Thesis Rch/ILE – 21 Hrs.
PHD	9999	Dissertation Rch – 108 Hrs.
PH	2499	Individual Study Env./Occ Health – 16 Hrs.

2. Mentoring

a. PhD with Dissertation

Rosandra Daywalker (current), Advisor, Chair, *A Trauma-Informed Approach to Workforce Well-Being: An Exploration Through the Lens of Total Worker Health*

Catherine Pulicken (current), Committee Member, *Developing Strategies to Promote Adoption and Implementation of Self-Measured Blood Pressure Monitoring (SMBP) for Hypertensive African American & Black patients in Community Health Centers*

Alvin Estacio (current), Committee Member, *Characterizing Workplace Health Promotion Program Participation Among Building Cleaning Workers and Employers in the United States*

Guning Liu (current) Chair/Advisor, *Assessing Molecular Determinants of Heart Failure through Multi-omic Profiling*

Cesar Leonardo Pinzon Gomez (2025), Committee Member, *Exploring formal and informal work phenotypes and their associations with health outcomes in Hispanic Workers*

Can Li (2024), Committee Member, *Towards Equity in Healthcare: Bias Mitigation in Clinical Research via Predictive Modeling*

Abolore Idris (2024), Advisor, Chair, *Exploring the Impact of Occupational Exposure and Working Conditions Related to Heat Stress on Natural Gas Construction Workers' Well-Being and Quality of Life.*

Jinho Lee (2024), Committee Member, *Estimation of Respiratory Deposited Mass and Health Risk Caused by Exposure to Aerosol in Indoor Environments*

Rachel White (2022), Committee Member, *What is Contributing to COVID10 Mortality in Harris County, TX?*

Meghan Haffey (2021), Committee Member, *Factors Influencing SARS-COV-2 (COVID-19) Testing and Vaccination Behaviors Among Adults with Asthma*

Kathleen Ochipa (2020), Committee Member, *Understanding Participation in a Workplace Physical Activity Intervention using Self-Determination Theory: the booster break study*

Jarrold Eska (2022), Committee Member, *Workplace Absenteeism, Disability, and Workers Compensation: A Comparative Analysis of Opioid Prescribed Workers*

Heather Essigmann (2021), Committee Member, *At the Intersection of Inflammation and the Mucosal Microbiome: The Impact of Type 2 Diabetes in Mexican American Adults.*

Kalyn Jannace (2020), Committee Member, *The Epidemiology of Service-Related Traumatic Brain Injury Among United States Military Service Members of the Millennium Cohort Study*

b. PhD – Preliminary Phase

Advisor

Pauline Rotich

Susan Cathey

William Hebel

Sandra Ramirez

Saswati Upadhyay

Paul Carey

c. Thesis (MS)

Vikas Reddy, *Analyzing the Impact of Diagnostic Measurements and Medical Variables in Predicting the Onset of Diabetes Mellitus in a Subpopulation of the Pima, 2021.*

d. MPH

Name	Graduation Year
Mohamed Elfadl	2025
Carmen Hernandez	2025
John Nally	2025
Reginald Pepera	2025
Cuong M. Do	2025
Gabriel Brian Franklin	2025
Tatum Renee Gillespie	2024
Rebecca Berry Kairis	2024
Nuruddinkhodja Zakirkhodjaev	2024
Thomas Holcombe	2024
Taliyah Wade	2024
Carmen Hernandez	2024
Matthew Manighalam	2023
Joshua Lattao	2023
Iheyinwa Odum-Nwabueze	2022
Jessica Williams	2021
Padmaja Vinay Naik	2021
Niloufar Aghakasiri	2020
Weston Grove	2020
Genesis Miranda	2020
Paige Marie Akins	2020
Lucy Navasaria	2020
Zarana Shavers	2019
Marietta Shapiro	2019
Leanne Dalal	2019
David Castele	2019
Stephen Palasi	2018
Nazeer Sherwani	2018
Ali El-Halwagi	2018
Frederick Lemaistre	2016

e. Resident Supervision

Name	Year
John Nally	2025
Carmen Obeng	
Gabriele Franklin	
Renee Hanes	
Thomas Holcombe	2024
Nuruddinkhodja Zakirkhodjaev	
Rami Ali	
Matthew Manighalam	2023
Ravi Parekh	
Rispba McCray-Garrison	2022
Rosandra Daywalker	2021
Leisa Deutsch	
Laura Bayne	2020**
Paul Carey	
David Rios	
Niloufar Aghakasiri	2019*
Ritesh Mehta	
Vanita Agrawal	2018
Ifeoma Ama	
Robert Blanco	
Dan Stroud	
Krishna Surasi	
Annamaria Macaluso Davidson	2017
Parvaneh Ehsanzadeh	2016
Jenny Amani	
Matthew Altman	
Mathew, Rini S	

*Year appointed associate program director

**Year appointed program director

E. SERVICE**Leadership positions, Clinical work, Professional Memberships, and Committee Assignments**

2019- 2020	Co-chair, Council on Government Affairs, American College of Occupational and Environmental Medicine
2019- present	Board of Directors, Texas College of Occupational and Environmental Medicine
2016-present	Member of Council on Policy Affairs, American College of Occupational and Environmental Medicine
2016-2018	Chair of the American College of Occupational and Environmental Medicine, Climate Change Task Force
2013-present	Member of the Environmental Health section of the American College of Occupational and Environmental Medicine
2014-2016	Chair of the Environmental Health section of the American College of Occupational and Environmental Medicine
2010 -2011	President of the Texas Chapter of American College of Occupational and Environmental Medicine
2009-2010	Vice President of the Texas Chapter of American College of Occupational and Environmental Medicine
2008-2009	Secretary of the Texas Chapter of American College of Occupational and Environmental Medicine
2009-2013	Chair of the scientific advisory committee for the American College of the Occupational and Environmental Medicine House of Delegates
2005- 2019	Texas Delegate to American College of Occupational and Environmental Medicine House of Delegates
2002-present	Member of American College of Occupational and Environmental Medicine, Texas Occupational and Environmental Medicine State Chapter
2000-present	Member of the American Academy of Family Medicine

Study Sections, Review Panels Journal Reviews

April 17, 2025	SBIR NIH Review Panel: <i>Small Business: Instrumentation, Environmental, and Occupational Safety: Molecular and Cellular Sciences and Technologies Branch (MCST)</i> .
2023 – present	Reviewer, <i>Frontiers in Medicine</i>
2021- present	Reviewer, <i>International Journal of Environmental Research and Public Health</i>
2017-present	Reviewer, <i>NIOSH/Southwest Center for Occupational and Environmental Health Annual Pilot Projects Research Training Program</i>
2018	Reviewer, Patient Center for Outcomes Research Institute: Improving Healthcare Systems Merit Review panel

Scientific Advisory Boards

2025 - present	Association of American College of Occupational and Environmental Medicine clinics
2025 - present	Consortium for Cancer Implementation Science
2024 - present	Air Alliance, Houston
2021 - present	Texas Physicians for Social Responsibility
2021 - 2020	Coalition for Equity, Environment and Resiliency

UTHealth Houston Committees

2023- present	UTHealth Houston Sustainability Committee
2022 - present	UT SPH Faculty Search Committee
2019- present	Stallones Lecture Series Committee member
2022- present	Stallones Lecture Series Chair
2018 - present	UTHealth Houston Biosafety Committee
2017 - present	EOHS Curriculum planning Committee