

Zhengyang Zhou, Ph.D.

Associate Professor
Department of Population and Community Health
College of Public Health
University of North Texas Health Science Center
3500 Camp Bowie Blvd, EAD 620B
Fort Worth, TX 76107
Office Phone: (817) 735-5028
Email: Zhengyang.Zhou@unthsc.edu

Education

- Ph.D. in Biostatistics, August 2018
Department of Statistical Science, Southern Methodist University, Dallas, TX
Center for Human Genetics, University of Texas Southwestern Medical Center (UTSW), Dallas, TX
Advisor: Dr. Chao Xing
- M.S. in Statistics, May 2017
Department of Statistical Science, Southern Methodist University, Dallas, TX
- B.S. in Mathematics, July 2014
School of Mathematics and Statistics, Beijing Institute of Technology, Beijing, China

Professional Experience

- Associate Professor (Tenured), September 2024 – present
College of Public Health
University of North Texas Health Science Center (UNTHSC), Fort Worth, TX
- Assistant Professor, August 2018 – August 2024
School of Public Health
UNTHSC, Fort Worth, TX
- Graduate Research Assistant, May 2015 – July 2018
Bioinformatics Lab, UTSW, Dallas, TX
- Graduate Teaching Assistant, August 2016 – December 2016
Department of Clinical Science, UTSW, Dallas, TX
- Graduate Teaching Assistant, January 2015 – June 2015
Department of Statistical Science, Southern Methodist University, Dallas, TX

Honors and Awards

- Early Career Preventionist Network Travel Award, Society for Prevention Research, 2022
- Junior Investigator Award, Research Society on Alcohol, 2021
- Graduate Student Travel Grant, Southern Methodist University, 2018
- Schueren Award, Department of Statistical Science, Southern Methodist University, 2015
- Second Place, SAS Analytics Shootout Competition, 2015
- Meritorious Winner Award, Mathematical Contest in Modeling, 2012
- First Prize, Contemporary Undergraduate Mathematical Contest in Modeling, Beijing, 2012
- First Prize, Contemporary Undergraduate Mathematical Contest in Modeling, Beijing, 2011

Professional Affiliations

- Research Society on Alcohol, 2022 – present
- American Society of Human Genetics, 2019 – present
- Society for Prevention Research, 2019 – present
- International Biometric Society, Eastern North American Region, 2017 – present
- American Statistical Association, 2015 – present

Academic Services

National Services

- Scientific Grant Reviewer, Ralph E Powe Junior Faculty Enhancement Award, Oak Ridge Associated Universities, 2024
- Scientific Grant Reviewer, Biomedical Research Program, Florida Department of Health, 2023
- Scientific Grant Reviewer, Alzheimer's Disease Research Program, Florida Department of Health, 2023
- Session Chair, Eastern North American Region International Biometric Society, 2021
- Planning Committee, Texas Center for Health Disparities Annual Conference, 2019-2020

University of North Texas Health Science Center, Fort Worth, Texas

- Faculty Search Committee Chair, Department of Population and Community Health, 2024 – present
- Faculty Grievance and Appeals Committee, 2024 – present
- Scientific Grant Reviewer, New Investigator Pilot Grant, Research Enhancement Assistance Program, 2024 – present
- Faculty Achievement Award Committee, 2023, 2024
- Faculty Senator, 2022 – present
- Faculty Judge, Research Appreciation Day Student Poster Award, 2022, 2023
- PhD Comprehensive Exam Committee, School of Public Health, 2023, 2024
- Department Chair Search Committee, Department of Biostatistics and Epidemiology, 2021
- Master Admission Committee, School of Public Health, 2020 – present
- PhD/MS Admission Committee, School of Public Health, 2019 – present
- Faculty Search Committee, School of Public Health, 2019, 2020, 2024
- Scholarship and Awards Committee, School of Public Health, 2018 – 2020

Editorial/Reviewer Services

Editorial Board – Guest Senior Editor

- Annals of Human Genetics, 2024 – present

Reviewer Editor

- Frontiers in Genetics (for Statistical Genetics and Methodology)

Ad Hoc Reviewer

- Alcohol and Alcoholism
- American Journal of Preventive Medicine
- Behavioral Medicine
- BMC Medical Research Methodology
- BMJ Open
- Electronic Journal of Statistics
- Frontiers in Endocrinology
- Frontiers in Epidemiology
- Frontiers in Microbiology
- Frontiers in Psychiatry
- Frontiers in Psychology
- JoVE-Journal of Visualized Experiments
- Molecular Neurodegeneration
- Research Synthesis Methods
- Science China Mathematics
- Scientific Reports
- SORT-Statistics and Operations Research Transactions
- Statistical Science
- Statistics in Medicine
- The American Statistician
- WIREs Computational Statistics
- Youth & Society

Grant Activities

Active Funding

- Texas Child Mental Health Care Consortium, K. Curry (PI), \$499,482
Title: Investigating the Association between social media consumption and adolescent mental health through daily diary Assessments
Role: Co-Investigator
Start Date: 09/01/2024
End Date: 08/31/2026
- National Institute on Drug Abuse (R25 DA061742), E.Y. Mun (PI), \$663,555
Title: Preparing the Next Generation of Addiction Researchers in Computational AI/ML Techniques
Role: Co-Investigator
Start Date: 09/30/2024
End Date: 07/31/2029
- National Heart, Lung, and Blood Institute (1OT2HL156812-01), J. Vishwanatha (PI), \$1,394,179
Title: Texas Community Engagement Alliance (CEAL)

Role: Co-Investigator
Start Date: 10/01/2024
End Date: 03/31/2028

- National Institute of Allergy and Infectious Diseases (R21 AI179404), D. Huh (PI), \$434,644
Title: Innovative Computational Tools and Best Practice Recommendations for Analyzing HIV-related Count Outcomes
Role: Subaward PI, Co-Investigator
Start Date: 06/21/2024
End Date: 04/30/2026
- National Institute on Aging (R01 AG076675), X. Shi (PI), \$2,183,761
Title: Intermittent Hypoxia Training: A Novel Therapy for Mild Cognitive Impairment
Role: Co-Investigator
Start Date: 05/01/2022
End Date: 04/30/2025
- National Institute of Environmental Health Sciences (R03 ES034138), C. Xing (PI), \$94,753
Title: Genome-wide Screen for Dynamic Gene-environment Interactions
Role: Subaward PI, Co-Investigator
Start Date: 09/01/2022
End Date: 08/31/2025 (NCE)
- National Institute on Aging (U19 AG078109), S. O'Bryant (PI), \$149,880,426
Title: The Health & Aging Brain Study - Health Disparities (HABS-HD)
Role: Co-Investigator
Start Date: 09/30/2022
End Date: 08/31/2027
- National Institute on Aging (R01 AG070862), R. Barber (PI), 2021 – 2026, \$3,454,116
Title: Epigenetic Risk Factors for AD Age at Onset and Health Disparities: HABLE Epigenetics Study
Role: Co-Investigator
Start Date: 09/15/2021
End Date: 05/31/2026
- National Institute on Alcohol Abuse and Alcoholism (R01 AA028246), A. Ray (PI), \$3,125,232
Title: Cross-tailoring Integrative Alcohol and Risky Sex Feedback for College Students: A Hybrid Type 1 Effectiveness-Implementation Trial
Role: Co-Investigator
Start Date: 03/15/2021
End Date: 01/31/2026

Completed Funding

- National Institute on Alcohol Abuse and Alcoholism (R01 AA025611), M. Lewis (PI), \$2,658,912
Title: A Longitudinal, Measurement Burst Study to Examine the Ecological Validity of the Prototype Willingness Model of Hazardous Adolescent and Young Adult Alcohol Use
Role: Co-Investigator
Start Date: 07/01/2019

End Date: 07/31/2024 (NCE)

- National Institute on Alcohol Abuse and Alcoholism (2R01 AA019511-05A1), E.Y. Mun (PI), \$4,553,839
Title: Estimating Comparative Effectiveness of Alcohol Interventions for Young Adults
Role: Co-Investigator
Start Date: 12/01/2018
End Date: 07/31/2024 (NCE)
- Texas Alzheimer's Research & Care Consortium, N. Phillips (PI), \$522,439
Title: Longitudinal Mitochondrial DNA and microRNA Profiling of Neuron-enriched Exosomes Associated with Cognitive Decline in Mexican Americans
Role: Co-Investigator
Start Date: 10/16/2021
End Date: 10/15/2023
- National Institute on Alcohol Abuse and Alcoholism (R34 AA026004), D. Litt (PI), \$700,654
Title: Refining and piloting a text messaging intervention to delay alcohol initiation and reduce alcohol use escalation among abstainer and lighter drinker college students
Role: Co-Investigator
Start Date: 09/01/2020
End Date: 08/31/2023 (NCE)
- National Institute on Minority Health and Health Disparities (U54 MD013376), H. Yu (PI), D. Dluzen (Project Lead), \$1,200,457
Title: The Relationship between Socioeconomic Status and Poverty and mRNA Expression in Immune Cells
Role: Subaward PI
Start Date: 06/01/2020
End Date: 02/28/2023
- National Eye Institute (R01 EY026662), D. Inman (PI), \$1,861,475
Title: Metabolic Vulnerability as a Disease Target for Glaucoma
Role: Co-Investigator
Start Date: 01/01/2022
End Date: 12/31/2022
- Texas Alzheimer's Research & Care Consortium, R. Barber (PI), \$646,865
Title: Epigenetic Risk Factors for Early Age at Onset of Alzheimer's & MCI among non-Caribbean Hispanics
Role: Co-Investigator
Start Date: 08/01/2018
End Date: 08/31/2021
- National Institute on Minority Health and Health Disparities (3U54 MD006882-08S2), J. Vishwanatha (PI), N. Phillips (Project Lead), \$233,976
Title: Focus on Mexican Americans: Mitochondrial Underpinnings of Sex- and Ethnicity-based risk for Alzheimer's Disease
Role: Co-Investigator
Start Date: 06/01/2019

End Date: 05/31/2021

- Women's Center of Tarrant County, E. Thompson (PI), \$39,681
Title: Play It Safe Evaluation
Role: Biostatistician
Start Date: 09/01/2020
End Date: 08/31/2021
- National Institute on Alcohol Abuse and Alcoholism (R01 AA021379), M. Lewis (PI), \$2,432,844
Title: Informing Alcohol-Related Risk Intervention with the Prototype Willingness Model
Role: Co-Investigator
Start Date: 05/01/2019
End Date: 06/30/2019

Publications

1. Abdullah, L., **Zhou, Z.**, Hall, J., Petersen, M., Zhang, F., & O'Bryant, S. (2025). Association of Alzheimer's disease biomarkers with low premorbid intellectual functioning in a multi-ethnic community-dwelling cohort: A cross-sectional study of HABS-HD. *Journal of Alzheimer's Disease*, 13872877251322966.
2. Rhoads, T., Wong, C. G., Cobos, K., O'Bryant, S. E., Kind, A. J., Miller, J. B., HABS-HD Team. (2025). Differential associations of neighborhood disadvantage, race/ethnicity, and cognitive status with experiences of psychosocial distress in the HABS-HD cohort. *Alzheimer's & Dementia*.
3. Duff, K., Miller, J. B., Cobos, K., Rodrigues, J., O'Bryant, S. E., HABS-HD Team. (2024). Derivation of Indices of Cognitive Change Among Hispanic Adults and Elders. *JAMA Network Open*, 7(9), e2431180-e2431180.
4. Tao, Y., Lacko, A. G., Sabnis, N. A., Das-Earl, P., Ibrahim, D., Crowe, N., **Zhou, Z.**, & Ma, R. (2024). Reconstituted HDL ameliorated renal injury of diabetic kidney disease in mice. *Physiological Reports*, 12(15), e16179.
5. **Zhou, Z.**, Li, D., Huh, D., Xie, M. & Mun, E.-Y. (2024). A Simulation Study of the Performance of Statistical Models for Count Outcomes with Excessive Zeros. *Statistics in Medicine*. Advance online publication. <https://doi.org/10.1002/sim.10198>.
6. Cross, A., **Zhou, Z.**, Fairlie, A. M., Litt, D. M., Graupensperger, S., Lee, C. M., ... & Lewis, M. A. (2024). Daily-level associations between situational familiarity with location and people and use of alcohol-related protective behavioral strategy among adolescents and young adults. *Journal of Studies on Alcohol and Drugs*, jsad-23.
7. Gardner, J. J., Cushen, S. C., Oliveira da Silva, R. D. N., Bradshaw, J. L., Hula, N., Gorham, I. K., Tucker, S., **Zhou, Z.**, ... & Gouloupoulou, S. (2024). Oxidative stress induces release of mitochondrial DNA into the extracellular space in human placental villous trophoblast BeWo cells. *American Journal of Physiology-Cell Physiology*, 326(6), C1776-C1788.
8. Lewis, M. A., **Zhou, Z.**, Fairlie, A. M., Litt, D. M., Geusens, F., Parks, K. A., & McCabe, S. E. (2024). Examining within-person associations between alcohol and cannabis use and hooking up among adolescents and young adults in the United States. *Addictive Behaviors*, 155, 108040.

9. LoParco, C. R., Olsson, S. E., Greene, K. M., Berg, C. J., Walters, S. T., **Zhou, Z.**, & Rossheim, M. E. (2024). Driving Under the Influence of Alcohol, Cannabis, and Delta-8 THC: Perceived Likelihood, Risk Perceptions, and Behaviors. *Journal of Psychoactive Drugs*, 1-10.
10. Litt, D. M., **Zhou, Z.**, Fairlie, A. M., Graupensperger, S., Cross, A., Kannard, E., ... & Lewis, M. A. (2024). A daily-level examination of willingness to pregame, blackout, and hook up across drinking days: Associations with respective behavioral outcomes among adolescents and young adults. *Addictive Behaviors*, 108004.
11. Gorham, I. K., Reid, D. M., Sun, J., **Zhou, Z.**, Barber, R. C., & Phillips, N. R. (2024). Blood-Based mtDNA Quantification Indicates Population-Specific Differences Associated with Alzheimer's Disease-Related Risk. *Journal of Alzheimer's Disease*, (Preprint), 1-13.
12. Tan, L., Lunningham, J. M., Huh, D., **Zhou, Z.**, Tanner-Smith, E. E., Baldwin, S. A., & Mun, E. Y. (2024). The selection of statistical models for reporting count outcomes and intervention effects in brief alcohol intervention trials: A review and recommendations. *Alcohol: Clinical and Experimental Research*, 48(1), 16-28.
13. LoParco, C. R., Walters, S. T., **Zhou, Z.**, & Rossheim, M. E. (2023). Associations between cannabis risk perceptions and Delta-8 THC use among young adults. *Journal of Substance Use*, 1-7.
14. Abdali, K., Chen, X., Ross, S., Davis, S., **Zhou, Z.**, Mallet, R. T., & Shi, X. (2023). Mechanisms maintaining cerebral perfusion during systemic hypotension are impaired in elderly adults. *Experimental Biology and Medicine*, 248(23), 2464-2472.
15. Housini, M., **Zhou, Z.**, Gutierrez, J., Rao, S., Jomaa, R., Subasinghe, K., ... & HABS-HD Study Team. (2023). Top Alzheimer's disease risk allele frequencies differ in HABS-HD Mexican-versus Non-Hispanic White Americans. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*, 15(4), e12518.
16. Reid, D. M., Barber, R. C., Jones, H. P., Thorpe Jr, R. J., Sun, J., **Zhou, Z.**, & Phillips, N. R. (2023). Integrative blood-based characterization of oxidative mitochondrial DNA damage variants implicates Mexican American's metabolic risk for developing Alzheimer's disease. *Scientific Reports*, 13(1), 14765.
17. Litt, D. M., **Zhou, Z.**, Fairlie, A. M., King, K. M., Cross, A., Kannard, E., Geusens, F., & Lewis, M. A. (2023). Daily level examination indicates that positive affect, but not negative affect, is associated with alcohol and marijuana use among adolescents and young adults. *Psychology of Addictive Behaviors*. Advance online publication. <https://doi.org/10.1037/adb0000949>
18. Litt, D. M., **Zhou, Z.**, Fairlie, A. M., Waldron, K. A., Geusens, F., & Lewis, M. A. (2023). Experimental Test of Drinking and Abstaining Social Media Content on Adolescent and Young Adult Social Norms and Alcohol Use. *Journal of Studies on Alcohol and Drugs*, jsad-23.
19. Abraham Daniel, A., Silzer, T., Sun, J., **Zhou, Z.**, Hall, C., Phillips, N., & Barber, R. (2023). Hypermethylation at CREBBP Is Associated with Cognitive Impairment in a Mexican American Cohort. *Journal of Alzheimer's Disease*, (Preprint), 1-11.
20. Tan, Z., Tanner-Smith, E. E., Walters, S. T., Tan, L., Huh, D., **Zhou, Z.**, ... & Mun, E. Y. (2023). Do Brief Motivational Interventions increase motivation for change in drinking among college students?

21. Waldron, K. A., Lewis, M. A., Fairlie, A. M., Litt, D. M., **Zhou, Z.**, & Bryant, D. (2023). Daily-level associations between alcohol use cognitions and normative perceptions among adolescents: An intensive longitudinal study. *Addictive Behaviors*, 143, 107697.
22. Lewis, M. A., **Zhou, Z.**, Parks, K. A., Evans-Polce, R., Litt, D. M., Fairlie, A. M., ... & McCabe, S. E. (2023). Polysubstance use among young adults and differences in negative alcohol-related sexual experiences. *Addictive Behaviors*, 138, 107571.
23. Lewis, M. A., **Zhou, Z.**, Litt, D. M., Kannard, E., & Lowery, A. (2023). Age and Fear of Missing Out as Moderators of the Association between Peak Drinks and Alcohol-Induced Blackouts among Adolescents and Young Adults. *Substance Use & Misuse*, 58(6), 739-745.
24. Ray, A., Mun, E. Y., Lewis, M., Litt, D., Stapleton, J., Tan, L., Buller, D., **Zhou, Z.**, Bush, H., & Himelhoch, S. (2023). Cross-Tailoring Integrative Alcohol and Risky Sexual Behavior Feedback for College Students: Protocol for a Hybrid Type 1 Effectiveness-Implementation Trial. *JMIR Research Protocols*, 12(1), e43986.
25. Manning, S. E., Dluzen, D. F., Ku, H., Xing, C., & **Zhou, Z.** (2023). A Nonparametric Alternative to the Cochran-Armitage Trend Test in Genetic Case-control Association Studies: the Jonckheere-Terpstra trend test. *Plos One*. 18(2), e0280809.
(Student paper)
26. LoParco, C. R., Rossheim, M. E., Walters, S. T., **Zhou, Z.**, Olsson, S., & Sussman, S. Y. (2023). Delta-8 tetrahydrocannabinol: a scoping review and commentary. *Addiction*, 118(6), 1011-1028.
27. Huh, D., Baldwin, S., **Zhou, Z.**, Park, J., & Mun, E. Y. (2023). Which is Better for Individual Participant Data Meta-Analysis of Zero-inflated Count Outcomes, One-Step or Two-Step Analysis? A Simulation Study. *Multivariate Behavioral Research*. 1-16.
28. **Zhou, Z.**, Ku, H. C., Manning, S. E., Zhang, M., & Xing, C. (2023). A Varying Coefficient Model to Jointly Test Genetic and Gene-Environment Interaction Effects. *Behavior Genetics*, 1-9.
29. Lewis, M., **Zhou, Z.**, Fairlie, A., Litt, D., Kannard, E., Walker, T., Resendiz, R., ..., & Lee, C (2022). Occasion-level Investigation of Playing Drinking Games: Associations with Cognitions, Situational factors, Alcohol Use, and Negative Consequences among Adolescents and Young Adults. *Addictive Behaviors*, 137, 107497.
30. Tan, L., Friedman, Z., **Zhou, Z.**, Huh, D., White, H. R., & Mun, E. Y. (2022). Does abstaining from alcohol in high school moderate intervention effects for college students? Implications for tiered intervention strategies. *Frontiers in Psychology*, 13:993517.
31. Mun, E.-Y., **Zhou, Z.**, Huh, D., Tan, L., Li, D., Tanner-Smith, E. E., Walters, S. T., & Larimer, M. E. (2022). Brief alcohol interventions are effective through six months: Findings from marginalized zero-inflated Poisson and negative binomial models in a two-step IPD meta-analysis. *Prevention Science*, 1-14.
32. Loparco, C. R., Lowery, A., **Zhou, Z.**, Leon, M., Galvin, A., Lewis, M. A. and Litt, D. M. (2022). Age as a Moderator of the Association Between Anticipated Regret and the Posting and Deleting of

Alcohol-Related Content on Social Networking Sites Among Adolescents and Young Adults. *Health Behavior Research*, 5(2), 3.

33. LoParco, C., **Zhou, Z.**, Litt, D. M. and Lewis, M. A. (2022). Do Impulsivity and Biological Sex Moderate Associations Between Alcohol-related Sexual Willingness and Behavior Among Young Adults? *Health Behavior Research*, 5(2), 7.
34. Zhao, J., Ding, Y., Kline, G. P., **Zhou, Z.**, Mallet, R. T., & Shi, X. (2022). Hypoxic breathing produces more intense hypoxemia in elderly women than in elderly men. *Frontiers in Physiology*, 13, 989635.
35. Pritschmann, R. K., Gebru, N. M., Litt, D. M., **Zhou, Z.**, & Lewis, M. A. (2022). Are Drinking Cognitions Associated with Marijuana and Concurrent Alcohol and Marijuana Use among Adolescents and Young Adults? *Cannabis*, 5(1), 59-74.
36. Reid, D.M., Barber, R.C., Thorpe, R.J., Sun, J., **Zhou, Z.**, Phillips, N. (2022). Mitochondrial DNA oxidative mutations are elevated in Mexican American women potentially implicating Alzheimer's disease. *npj Aging*, 8(1), 1-12.
37. Cushen, S. C., Ricci, C. A., Bradshaw, J. L., Silzer, T., Blessing, A., Sun, J., **Zhou, Z.**, ... & Goulopoulou, S. (2022). Reduced maternal circulating cell-free mitochondrial DNA is associated with the development of preeclampsia. *Journal of the American Heart Association*, 11(2), e021726.
38. **Zhou, Z.**, Li, D., & Zhang, S. (2022). Sample size calculation for cluster randomized trials with zero-inflated count outcomes. *Statistics in Medicine*, 41(12), 2191-2204..
39. Mun, E. Y., Li, X., Lineberry, S., Tan, Z., Huh, D., Walters, S. T., **Zhou, Z.**, ... & Project INTEGRATE Team. (2022). Do brief alcohol interventions reduce driving after drinking among college students? A two-step meta-analysis of individual participant data. *Alcohol and Alcoholism*, 57(1), 125-135.
40. **Zhou, Z.**, Xie, M., Huh, D. and Mun, E.-Y. (2021). A Bias Correction Method in Meta-analysis of Randomized Clinical Trials with no Adjustments for Zero-inflated Outcomes. *Statistics in Medicine*, 40(26), 5894-5909.
41. Huh, D., Li, X., **Zhou, Z.**, Walters, S., Baldwin, S., Tan, Z., Larimer, M. and Mun, E.-Y. (2021). A Structural Equation Modeling Approach to Meta-analytic Mediation Analysis Using Individual Participant Data: Testing Protective Behavioral Strategies as a Mediator of Brief Motivational Intervention Effects on Alcohol-Related Problems. *Prevention Science*, 1-13.
42. LoParco, C. R., **Zhou, Z.**, Fairlie, A. M., Litt, D. M., Lee, C. M., and Lewis, M. A. (2021). Testing Daily-level Drinking and Negative Consequences as Predictors of Next-day Drinking Cognitions. *Addictive behaviors*, 122, 107042. Advance online publication. <https://doi.org/10.1016/j.addbeh.2021.107042>.
43. Thompson, E. L., **Zhou, Z.**, Garg, A., Rohr, D., Ajoku, B., and Spence, E. E. (2021). Evaluation of a School-Based Child Physical and Sexual Abuse Prevention Program. *Health education & behavior*, 1090198120988252. Advance online publication. <https://doi.org/10.1177/1090198120988252>.
44. Mun, E.-Y., Li, X., Lineberry S., Tan, Z., Huh, D., Walters, S., **Zhou, Z.** and Larimer, M. (2020). Do Brief Motivational Interventions Reduce Driving after Drinking Among College Students? A Two-

step Meta-analysis of Individual Participant Data. *Alcohol and Alcoholism*, doi: 10.1093/alcalc/agaal46

45. Wu, G[#], Liu, L.[#], **Zhou, Z.**[#], Liu, J., Wang, B., Ruan, J., Yang, Q., Zhang, C., Wang, D., Kang, L., Wang, S., Hui, R., Zou, Y., Xing, C., Song, L. and Wang, J. (2020). East Asian-Specific Common Variant in TNNI3 Predisposes to Hypertrophic Cardiomyopathy. *Circulation*, 142(21), 2086-2089. ([#]: Co-first authorship)
46. Uche, U. I., Suzuki, S., Fulda, K. G. and **Zhou, Z.** (2020). Environment-Wide Association Study on Childhood Obesity in the US. *Environmental Research*, 191, 110109.
47. Garg, A., El-Shanti, H., Xing, C., **Zhou, Z.**, Abujbara, M., Rashed, K., Khateeb, M., Ajlouni, K. and Agarwal, A. (2020). A novel syndrome with short stature, mandibular hypoplasia and osteoporosis may be associated with a PRRT3 variant. *Journal of the Endocrine Society*, 4(8), bvaa088.
48. Kim, S., Huh, D., **Zhou, Z.** and Mun, E.-Y. (2020). A Comparison of Bayesian to Maximum Likelihood Estimation for Latent Growth Models in the Presence of a Binary Outcome. *International Journal of Behavioral Development*, 44(5), 447-457.
49. Pathak, G., **Zhou, Z.**, Silzer, T., Barber, R. and Phillips, N. (2020). Two-stage Bayesian GWAS of 9,576 individuals identifies SNP-regions that are targeted by miRNAs inversely expressed in Alzheimer's and cancer. *Alzheimer's & Dementia*, 16(1), 162-177.
50. Patni, N., Hatab, S., Xing, C., **Zhou, Z.**, Quittner, C., and Garg, A. (2019). A novel autosomal recessive lipodystrophy syndrome due to homozygous LMNA variant. *Journal of Medical Genetics*, 57(6), 422-426.
51. Pathak, G., Silzer, T., Sun, J., **Zhou, Z.**, Daniel, A., Johnson, L., O'Bryant, S., Phillips, N. and Barber, R. (2019). Genome-wide methylation of mild cognitive impairment in Mexican Americans highlights genes involved in synaptic transport, Alzheimer's disease-precursor phenotypes, and metabolic morbidities. *Journal of Alzheimer's Disease*, 72(3), 733-749.
52. Chen, Z., Cai, J., Chen, Y., Wei, J., Li, H., Lu, Y., **Zhou, Z.** and Chen, X. (2019). A meta-analysis of the association between the presence of Helicobacter pylori and periodontal diseases. *Medicine*, 98(22).
53. Ma, Y., Li, W., Shotorbani, P., Huang, L., Chaudhari, S., Wu, P., Wang, L., Dubansky, B., Ryou, M., **Zhou, Z.** and Ma, R. (2019), Comparison of diabetic nephropathy between male and female eNOS^{-/-} db/db mice. *American Journal of Physiology-Renal Physiology*, 316(5), F889-F897.
54. Huh, D., Mun, E.-Y., Walters, S., **Zhou, Z.** and Atkins, D. (2019). A Tutorial on Individual Participant Data Meta-Analysis using Bayesian Multilevel Modeling to Estimate Alcohol Intervention Effects across Heterogeneous Studies. *Addictive Behaviors*, 94, 162-170.
55. Zhang, D., **Zhou, Z.**, Abu-Hijleh, M., Batra, K., Xing, C. and Garcia, C. K. (2019). Homozygous Rare PARN Missense Mutation in Familial Pulmonary Fibrosis. *American Journal of Respiratory and Critical Care Medicine*, 199(6), 797-799.
56. **Zhou, Z.**, Ku, H. C., Xing, G. and Xing, C. (2018). Decomposing Pearson's χ^2 Test: A Linear Regression and its Departure from Linearity. *Annals of Human Genetics*, 82(5), 318-324.

57. Hu, J., Rong, Z., Gong, X., **Zhou, Z.**, Sharma, V., Xing, C., Watts, J., Corey, D. and Mootha, V. V. (2018). Oligonucleotides Targeting *TCF4* Triplet Repeat Expansion Inhibit RNA Foci and Mis-splicing in Fuchs' Dystrophy. *Human Molecular Genetics*, 27(6), 1015-1026.
58. Saade, J. S., Xing, C., Gong, X., **Zhou, Z.** and Mootha, V. V. (2018), Instability of *TCF4* Triplet Repeat Expansion in Fuchs' Endothelial Corneal Dystrophy with Parent-Child Transmission. *Investigative Ophthalmology & Visual Science*, 59(10), 4065-4070.
59. **Zhou, Z.**, Ku, H. C., Huang, Z., Xing, G. and Xing, C. (2017). Differentiating the Cochran-Armitage Trend Test and Pearson's χ^2 Test: Location and Dispersion. *Annals of Human Genetics*, 81(5), 184-189.
60. Mootha, V. V., Hansen, B., Rong, Z., Mammen, P. P., **Zhou, Z.**, Xing, C. and Gong, X. (2017). Fuchs' Endothelial Corneal Dystrophy and RNA Foci in Patients with Myotonic Dystrophy. *Investigative Ophthalmology & Visual Science*, 58(11), 4579-4585.

Submitted for Publication

- Mendoza, E., Nolan, E., Phillips, N., Barber, R., O'Bryant, S., Johnson, S., & **Zhou, Z.** Perceived everyday discrimination and its effect on cognitive function through depression in diverse populations: A HABS-HD Study.
(student paper)
- Nolan, E., Mendoza, E., Phillips, N., Barber, R., & **Zhou, Z.** A mendelian randomization analysis of obesity on the development of Alzheimer's disease.
(student paper)

Invited Presentations

- **Zhou, Z.**, Li, D., Huh, D., Xie, M., Chen, Y., & Mun, E.-Y. (2024, June). *Generalized estimating equations for analyzing alcohol outcomes in meta-analysis: a unified method*. Invited speaker, International Chinese Statistical Association Applied Statistics Symposium, Nashville, TN.
- **Zhou, Z.**, Li, D., and Zhang, S. (2021, July). *Sample size calculation for cluster randomized trials with zero-inflated count outcomes*. Invited speaker, Centre for Medical Image Computing, University College London, England, Virtual session.
- Lewis, M. A., Litt, D. M., and **Zhou, Z.** (2020, October). *Adolescent and young adult mental health, substance use, and sexual behavior: Project PATH*. Invited speakers, Mental Health Connection of Tarrant County, Fort Worth, TX.

Presentations

- Mendoza, E.P., Nolan, E., Phillips, N., Barber, R., O'Bryant, S., Johnson, L., & **Zhou, Z.** (2024, November). *Association between everyday perceived discrimination and cognitive function as mediated by depression in diverse populations: A HABS-HD Study*. To be presented at American Public Health Association Annual Meeting. Minneapolis, MN.
(Student paper)

- Mendoza, E.P., Nolan, E., Phillips, N., Barber, R., O'Bryant, S., Johnson, L., & **Zhou, Z.** (2024, July). *Association between everyday perceived discrimination and cognitive function as mediated by depression in diverse populations: A HABS-HD Study*. Presented at Alzheimer's Association International Conference. Philadelphia, PA.
(Student paper)
- Housini, M., **Zhou, Z.**, O'Bryant, S., Phillips, N., Barber, R., Polimanti, R., & Pathak, G. (2024, July). *Association of prior alcohol misuse with cognitive impairment and Alzheimer's disease*. Presented at Alzheimer's Association International Conference. Philadelphia, PA.
- **Zhou, Z.**, Li, D., Huh, D., Xie, M., Chen, Y., Lunningham, J., & Mun, E.Y. (2024, June). *Generalized estimating equations for analyzing alcohol outcomes for meta-analysis: a unified method*. Presented at the 47th annual scientific meeting of the Research Society on Alcohol. Minneapolis, MN.
- Huh, D., **Zhou, Z.**, Lunningham, J., Baldwin, S., & Mun, E.Y. (2024, June). *How do we adjust for zero-inflated alcohol outcomes as covariates in regression models? a comparison of three approaches*. Presented at the 47th annual scientific meeting of the Research Society on Alcohol. Minneapolis, MN.
- Lunningham, J., **Zhou, Z.**, Huh, D., Oliver, J. Businelle, M., Walters, S., & Mun, E.Y. (2024, June). *Increase in alcohol and other Substance use during the COVID-19 pandemic among adults experiencing homelessness*. Presented at the 47th annual scientific meeting of the Research Society on Alcohol. Minneapolis, MN.
- Litt, D., **Zhou, Z.**, Fairlie, A. M., Graupensperger, S., Dvoark, R., Smallman, R., Lee, M., & Lewis, M.A. (2024, June). *A daily-level examination of associations between alcohol use and counterfactual thinking among adolescents and young adults*. Presented at the 47th annual scientific meeting of the Research Society on Alcohol. Minneapolis, MN.
- **Zhou, Z.**, Li, D., Huh, D., Xie, M., Chen, Y., & Mun, E.-Y. (2023, August). *A generalized estimating equations approach to variance estimation for a family of count distributions: A unifying method*. Presented at Joint Statistical Meeting, Ontario, Canada.
- Housini, M., **Zhou, Z.**, Kind A., Reid D., Daniel, A., Silzer, T., O'Bryant, S., Phillips, N., Barber, R., & Pathak, G. (2023, July). *Interaction between DNA methylation and neighborhood disadvantage may impact risk for cognitive decline among Mexican Americans enrolled in the Health and Aging Brain Study – Health Disparities (HABS-HD) Cohort*. Presented at Alzheimer's Association International Conference. Amsterdam, Netherlands.
- Housini, M., **Zhou, Z.**, Reid D., Daniel, A., Silzer, T., O'Bryant, S., Phillips, N., Barber, R., & Pathak, G. (2023, July). *Epigenome-Wide-Association-Scan Reveals Epigenetic Profile Changes Using Neurofilament Light as a Neurodegeneration Proxy Biomarker in Mexican Americans*. Presented at Alzheimer's Association International Conference. Amsterdam, Netherlands.
- Daniel, A., Silzer, T., Sun, J., **Zhou, Z.**, Hall, C., Phillips, N., & Barber, R. (2023, July). *Role of methylation in risk for cognitive impairment in Mexican Americans*. Presented at Alzheimer's Association International Conference. Amsterdam, Netherlands.

- Meeker, K., Ances, B., Petersen, M., Barber, R., Yaffe, K., **Zhou, Z.**, Llibre-Guerra, J., Zhang, F., Hall, J., Kind, A., Lee, J., Vardarajan, B., Cohen, A., Mielke, M., Mapstone, M., Babulal, G., O'Bryant, S. (2023, July). *Effects of structural and social determinants of health on ethno-racial differences in ATN plasma biomarkers of Alzheimer's disease: A HABS-HD study*. Presented at Alzheimer's Association International Conference. Amsterdam, Netherlands.
- Litt, D., **Zhou, Z.**, Fairlie, A. M., Graupensperger, S., Cross, A., Lee, C. M. and Lewis, M.A. (2023, June). *A Daily-level Examination of Willingness to Engage in Alcohol-related Risk Behaviors and Associations with Specific Outcomes Among Adolescents and Young Adults*. Presented at the 46th annual scientific meeting of the Research Society on Alcoholism. Bellevue, WA.
- Cross, A., **Zhou, Z.**, Fairlie, A. M. Litt, D. M., Graupensperger, S., & Lewis, M. A. (2023, June). *Daily-level Examination of Familiarity with Location/people in Association with Protective Behavioral Strategy Use Among Adolescents and Young Adults*. Presented at the 46th annual scientific meeting of the Research Society on Alcoholism. Bellevue, WA.
- AE Ray, DM Litt, MA Lewis, JL Stapleton, L Tan, N Williams, K Dunn, EY Mun, **Z Zhou**, & D Buller (2023, June). *Cross-tailoring Integrative Alcohol and Risky Sex Feedback for College Students: The Development of Project FRESH*. Presented at the 46th annual scientific meeting of the Research Society on Alcoholism. Bellevue, WA.
- JL Stapleton, EY Mun, MA Lewis, AE Ray, K Dunn, N Williams, DM Litt, L, D Buller, & **Z Zhou**. (2023, June). *Increasing Uptake of Evidence-based Brief Interventions for College Student Alcohol Use and Related Behaviors: Perspectives from Campus Stakeholders*. Presented at the 46th annual scientific meeting of the Research Society on Alcoholism. Bellevue, WA.
- Huh, D., **Zhou, Z.**, & Mun, E. Y. (2023, May). *Using Simulation Studies to Guide IPD Analysis and Synthesis Decisions: Project INTEGRATE*. Presented at the 31st Annual Meeting of the Society for Prevention Research. Washington, DC.
- Tan, Z., Tan, L., Huh, D., Larimer, M., **Zhou, Z.**, Walters, S., & Mun, E. Y. (2023, May). *Do Brief Alcohol Interventions Increase Motivation for Change in Drinking Among College Students? a Meta-Analysis of Individual Participant Data*. Presented at 31st the Annual Meeting of the Society for Prevention Research. Washington, DC.
- Litt, D. M., **Zhou, Z.**, A.M. Fairlie, K. A. Waldron, & M.A. Lewis (2023, June). *An Experimental Test Of Abstaining And Drinking Social Media Displays On Adolescent And Young Adult Norms And Behavior*. In M. Strowger (Chair), Novel approaches to examining the effects of both mass media and social media on alcohol use among adolescents and young adults. Symposia presented at the annual meeting of the Research Society on Alcohol. Bellevue, WA.
- Litt, D. M., **Zhou, Z.**, Fairlie, A. M., Graupensperger, S., Cross, A., Lee, C. M., & Lewis, M.A. (2023, June). *A daily level examination of willingness to engage in alcohol-related risk behaviors in association with risk behaviors among adolescents and young adults*. Presented at the Annual Meeting of the Research Society on Alcohol. Bellevue, WA.
- Zhang, F., Petersen, M., Johnson, L., Hall, J., **Zhou, Z.**, Phillips, N., Barber, R., & O'Bryant, S. (2023, March). *Harnessing Machine Learning to Enhance Genome-Wide Association Studies in Alzheimer's disease for the Health and Aging Brain Study-Health Disparities (HABS-HD)*. Presented at MidSouth Computational Biology and Bioinformatics Society 2023 annual meeting. Dallas, TX.

- Daniel, A., Silzer, T., Hall, C., Sun, J., **Zhou, Z.**, Phillips, N., & Barber, R. (2022, July). *DNA Methylation in Risk For Cognitive Impairment And Type 2 Diabetes in a Mexican American Cohort*. Presented at Alzheimer's Association International Conference. San Diego, CA.
- Mun, E.-Y., **Zhou, Z.**, Huh, D., Tan, L., Li, D., Tanner-Smith, E. E., Walters, S. T., & Larimer, M. E. (2022, June). *Brief alcohol interventions are effective through six months: Findings from marginalized zero-inflated Poisson and negative binomial models in a two-step IPD meta-analysis*. Presented at the 45th annual scientific meeting of the Research Society on Alcoholism. Orlando, FL.
- Huh, D., Baldwin, S., **Zhou, Z.**, Park, J., & Mun, E.-Y. (2022, June). *A comparison of four meta-analysis approaches using individual participant data to evaluate intervention effects on alcohol use outcomes*. Presented at the 45th annual scientific meeting of the Research Society on Alcoholism. Orlando, FL.
- Tan, L., Lunningham, J. M., **Zhou, Z.**, Huh, D., Tanner-Smith, E. E., Walters, S. T., & Larimer, M. E. (2022, June). *Statistical models used to assess effectiveness of brief alcohol interventions: A review*. Presented at the 45th annual scientific meeting of the Research Society on Alcoholism. Orlando, FL.
- Lewis, M., **Zhou, Z.**, Fairlie, A., Litt, D., Kannard, E., Walker, T., Resendiz, R., ..., & Lee, C. (2022, June). *Playing drinking games as a daily-level predictor of alcohol use and negative consequences among adolescents and young adults*. Presented at the 45th annual scientific meeting of the Research Society on Alcoholism. Orlando, FL.
- Huh, D., Baldwin, S. A., Park, J., **Zhou, Z.**, & Mun, E.-Y. (2022, May). *Comparing the performance of meta-analysis approaches using individual participant data to evaluate intervention effects on alcohol use outcomes*. Presented at the 30th Annual Meeting of the Society for Prevention Research. Seattle, WA.
- **Zhou, Z.**, Xie, M., Huh, D., & Mun, E.-Y. (2022, May). *Statistical model performance of outcomes with excessive zeros and overdispersion in prevention research: a simulation study*. Presented at the 30th Annual Meeting of the Society for Prevention Research. Seattle, WA.
- Daniel, A., Silzer, T., Hall, C., Sun, J., **Zhou, Z.**, Phillips, N., & Barber, R. (2022, May). *DNA Methylation in Risk For Cognitive Impairment And Type 2 Diabetes in a Mexican American Cohort*. Presented at the Texas Alzheimer's Research and Care Consortium 2022 Scientific Symposium. Austin, TX.
- Manning, S. E., Xing, C., Ku, H. and **Zhou, Z.** (2021, October). *A non-parametric alternative to the Cochran-Armitage trend test in genetic case-control association studies: The two-sided Jonckheere's test*. Presented at American Public Health Association Annual Meeting. Denver, CO. (Student paper; Recommended to participant in the Delta Omega section)
- Reid, D., Barber, R., Thorpe, R., Sun, J., **Zhou, Z.**, & Phillips, N. (2021, October). *Sequence-based assessment of mitochondrial DNA oxidative damage in cognitive impairment: Shedding light on health disparities in Mexican Americans*. Presented at American Society of Human Genetics 2021 Virtual Meeting. Virtual Session.
- **Zhou, Z.**, Xie, M., Huh, D., and Mun E.-Y. (2021, June). *A bias correction method in meta-analysis for zero-inflated outcomes: Application to evaluating comparative effectiveness of brief alcohol*

interventions. Presented at the 44th annual scientific meeting of the Research Society on Alcoholism. Virtual Session.

- Huh, D., Li, X., **Zhou, Z.**, Walters, S. T., Baldwin, S. A., Tan, Z., Larimer, M. E., and Mun, E.-Y. (2021, June). *Testing protective behavioral strategies as a mediator of brief alcohol intervention effects: A one-stage structural equation modeling approach to meta-analytic mediation analysis*. Presented at the 44th annual scientific meeting of the Research Society on Alcoholism. Virtual Session.
- Mun, E.-Y., Li, X., Lineberry, S., Tan, X., Huh, D., Walters, S. T., **Zhou, Z.**, & Larimer, M. E. (2021, June). *Do brief alcohol interventions reduce driving after drinking among college students? A two-step meta-analysis of individual participant data*. Presented at the 44th annual scientific meeting of the Research Society on Alcoholism. Virtual Session.
- Lewis, M. A., **Zhou, Z.**, Parks, K. A., Evans-Polce, R., Litt, D. M., Fairlie, A., M., LoParco, C., R., & McCabe, S. E. (2021, June). *Examining the role of polysubstance use in experience negative alcohol-related sexual consequences among underage young adults*. Presented at the 44th annual scientific meeting of the Research Society on Alcoholism. Virtual Session.
- LoParco, C., **Zhou, Z.**, Litt, D. M., & Lewis, M. A. (2021, June). *Biological sex as a moderator for the associations between positive/negative affect and simultaneous and concurrent alcohol and marijuana use*. Presented at the 44th annual scientific meeting of the Research Society on Alcoholism. Virtual Session.
- Lowery, A. D., **Zhou, Z.**, Astorga, A., Litt, D. M., & Lewis, M. A. (2021, June). *Examining Fear of Missing Out (FOMO) as a moderator of the association between peak drinks and alcohol-induced blacking out*. Presented at the 44th annual scientific meeting of the Research Society on Alcoholism. Virtual Session.
- Manning, S. E., Xing, C., Ku, H. and **Zhou, Z.** (2021, March). *A non-parametric alternative to the Cochran-Armitage trend test in genetic case-control association studies: The two-sided Jonckheere's test*. The annual Research Appreciation Day (RAD), University of North Texas Health Science Center, Fort Worth, TX.
(Student paper; Won Third Place Award in the School of Public Health section)
- **Zhou, Z.**, Li, D. and Zhang, S. (2021, March). *Sample Size Calculation for Cluster Randomized Trials with Zero-inflated Count Outcomes*. Presented at Eastern North American Region International Biometric Society, Virtual Session.
- Manning, S. E., Xing, C., Ku, H. and **Zhou, Z.** (2020, March). *A non-parametric alternative to the Cochran-Armitage trend test in genetic case-control association studies: The two-sided Jonckheere's test*. The annual Research Appreciation Day (RAD), University of North Texas Health Science Center, Fort Worth, TX. (Student paper; Conference canceled due to COVID-19)
- **Zhou, Z.**, Xie, M., Trikalinos, T. and Mun, E.-Y. (2019, July). *Bias correction and sensitivity analysis for meta-analysis of studies with zero-inflated outcomes*. Presented at Joint Statistical Meeting, Denver, CO.
- **Zhou, Z.**, Ku, H. C. and Xing, C. (2019, July). *The Additive Model in Genetic Association Studies*. Presented at Joint Statistical Meeting, Denver, CO.

- Mun, E.-Y. and **Zhou, Z.** (2019, May). *Methods toolbox for meta-analysis of individual participant data: Examples from Project INTEGRATE*. Presented at the 27th Annual Meeting of the Society for Prevention Research, San Francisco, CA.
- Mun, E.-Y., Li, X., **Zhou, Z.** and Walters, S. T. (2019, March). *Project INTEGRATE: A Comprehensive and systematic meta-analysis study of brief alcohol interventions for young adults*. Presented at the UNTHSC Research Appreciation Day (Faculty), Fort Worth, TX.
- Tan, Z., Li, X., **Zhou, Z.**, Suzuki, S., Walters, S. T. and Mun, E.-Y. (2018, November). Longitudinal links between social support, substance use problems, and depression among adults in supportive housing programs. Presented at the Annual Meeting of the American Public Health Association, San Diego, CA.
- **Zhou, Z.**, Ku, H. C. and Xing, C. (2018, July). *Testing Nonlinear Gene-Environment Interaction Through Varying Coefficient and Linear Mixed Models*. Presented at Joint Statistical Meeting, Vancouver, Canada.
- **Zhou, Z.**, Ku, H. C. and Xing, C. (2018, March). *Testing Nonlinear Gene-Environment Interaction Through Varying Coefficient and Linear Mixed Models*. Presented at Eastern North American Region International Biometric Society, Atlanta, GA.
- **Zhou, Z.**, Ku, H. C. and Xing, C. (2017, October). *Testing Nonlinear Gene-Environment Interaction Through Varying Coefficient and Linear Mixed Models*. Quantitative Biomedical Research Center, University of Texas Southwestern Medical Center, Dallas, TX.
- **Zhou, Z.**, Ku, H. C. and Xing, C. (2017, August). *A Procedure to Control for Population Structure in Genome-Wide Association Studies with Rare Variants*. Presented at Joint Statistical Meetings, Baltimore, MD.
- **Zhou, Z.**, Ku, H. C. and Xing, C. (2017, July). *A Procedure to Control for Population Structure in Genome-Wide Association Studies with Rare Variants*, Biostatistics Work in Progress, University of Texas Southwestern Medical Center, Dallas, TX.
- **Zhou, Z.** (2016, March). *An Introduction to Genome-Wide Association Study*, Department of Statistical Science, Southern Methodist University, Dallas, TX.

Software Package

- **Zhou, Z.**, Li, D., Huh, D., and Mun, E.-Y. (2022). mcount: Marginalized Count Regression Models. R package version 1.0.0. <https://cran.r-project.org/web/packages/mcount/index.html>
- **Zhou, Z.**, Manning, S., Xing, C., and Ku, H. (2021). GEVACO: Joint Test of Gene and GxE Interactions via Varying Coefficients. R package version 1.0.1. <https://CRAN.R-project.org/package=GEVACO>

Teaching Experience

- Lecturer, BIOS 5316: Categorical Data Analysis, UNTHSC, 2020, 2021, 2022, 2023, 2024
- Lecturer, BIOS 6391: Statistical Genetics, UNTHSC, 2020
- Lecturer, BIOS 6326: Methods of Clinical Trials, UNTHSC, 2019
- Lecturer, EPID 6391: Advanced SAS and R, UNTHSC, 2019, 2020, 2021

Mentoring Experience

Primary Advisor

- PhD Student: Ibshar Khandakar, UNTHSC, 2024 – present
- PhD Student: Wenrui Zhao, UNTHSC, 2024 – present
- PhD Student: Edna Patricia Mendoza, UNTHSC, 2023 – present
 - Poster won the First Place at the College of Public Health section of Research Appreciation Day, 2025
- MS Student: Emma Nolan, UNTHSC, 2021 – 2023
 - Joined PhD in Epidemiology program of Vanderbilt University after graduation
 - Won Kenneth Cooper - Excellence in Research Award, School of Public Health, UNTHSC, 2023
 - Won the First Place, 3-Minute Thesis (3MT) Competition, UNTHSC, 2023
- MS Student: Sydney Manning, UNTHSC, 2019 – 2021
 - Won Kenneth Cooper - Excellence in Research Award, School of Public Health, UNTHSC, 2021
 - Poster won the Third Place at the School of Public Health section of Research Appreciation Day, 2021

Committee Member

- Dissertation Committee Member, PhD Student: Kayla Tillett, UNTHSC, 2025 – present
- Dissertation Committee Member, PhD Student: Rohit Balasundaram, UNTHSC, 2024 – present
- Dissertation Committee Member, PhD Student: Roi San Nhpang, UNTHSC, 2024 – present
- Dissertation Committee Member, PhD Student: Mohammad Housini, UNTHSC, 2021 – present
- Dissertation Committee Member, PhD Student: Cassidy LoParco, UNTHSC, 2021 – 2022
- Dissertation Committee Member, PhD Student: Micaela Colmenarez, UNTHSC, 2020 – 2022
- Dissertation Committee Member, PhD Student: Zhengqi Tan, UNTHSC, 2021 – 2022
- Dissertation Committee Member, PhD Student: Ann Abraham Daniel, UNTHSC, 2019 – 2023
- Dissertation Committee Member, PhD Student: Uloma Igara Uche, UNTHSC, 2019 – 2020
- Dissertation Committee Member, PhD Student: Bing Song, UNTHSC, 2019 – 2020
- Dissertation Committee Member, PhD Student: Gita Pathak, UNTHSC, 2018 – 2019

Training Grant Sponsor/Mentor

- NIH HABS-HD Health Equity Scholars Program submitted, Primary Mentor: Ibshar Khandakar, PhD Student, UNTHSC, 2025
- NIH AIM-AHEAD All of Us Training Program submitted, Primary Mentor: Ibshar Khandakar, PhD Student, UNTHSC, 2024
- NIH F31 submitted, Co-Sponsor: Allison Cross, PhD Student, UNTHSC, 2024
- NIH F30 submitted, Co-Sponsor: Mohammad Housini, PhD Student, UNTHSC, 2023

- NIH HABS-HD Health Equity Scholars Program submitted, Primary Mentor: Edna Mendoza, PhD Student, UNTHSC, 2023
- NIH F31 submitted, Co-Sponsor: Cassidy LoParco, PhD Student, UNTHSC, 2020

PhD Comprehensive Exam Committee Member

- Brittany Krenek, UNTHSC, 2025
- Rohit Balasundaram, UNTHSC, 2024
- Edna Mendoza, UNTHSC, 2024