

*Miryoung Lee, PhD, MPH, MS, CCD®***A. PERSONAL INFORMATION**

Present Title: Associate Professor
 Academic Address: The University of Texas Health Sciences Center at Houston (UTHealth Houston)
 School of Public Health, Brownsville Campus
 One West University Blvd, SPH Building N1.102B
 Brownsville, TX 78520
 E-mail: miryoung.lee@uth.tmc.edu
 Telephone: (956) 755-0651
 Fax: (956) 755-0605

B. ACADEMIC POSITIONS

Jan 2017 – present Associate Professor, Department of Epidemiology, Human Genetics, and Environmental Sciences (EHGES), The University of Texas Health Science Center at Houston (UTHealth) School of Public Health, Brownsville Campus

Aug 2016 – Dec 2016 Director, Division of Epidemiology and Biostatistics, Department of Population and Public Health Sciences, Wright State University Boonshoft School of Medicine, Dayton, OH
 Curator, The Fels Longitudinal Study. Wright State University Boonshoft School of Medicine, Dayton, OH

2012 – 2016 Associate Professor (Primary Appointment), Lifespan Health Research Center, Department of Population and Public Health Science (formerly, Department of Community Health), Wright State University Boonshoft School of Medicine, Dayton, OH

2012 – 2016 Associate Professor (Secondary Appointment), Departments of Pediatrics, Wright State University, Boonshoft School of Medicine, Dayton, OH

2008 – 2012 Assistant Professor (Secondary Appointment), Departments of Pediatrics, Wright State University, Boonshoft School of Medicine, Dayton, OH

2007 – 2012 Assistant Professor, Lifespan Health Research Center, Department of Community Health, Wright State University Boonshoft School of Medicine, Dayton, OH

2006 – 2007 Research Assistant Professor, Lifespan Health Research Center, Department of Community Health, Wright State University Boonshoft School of Medicine, Dayton, OH

2003 – 2005 Postdoctoral Research Associate in Cardiovascular Epidemiology, Lifespan Health Research Center, Department of Community Health, Wright State University School of Medicine, Dayton, OH

1998 – 2002 Graduate Student Researcher, Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA

C. EDUCATION

<u>Award Date</u>	<u>Institution</u>	<u>Degree</u>	<u>Concentration</u>
March, 2006	Wright State University	M.S.	Applied Statistics

	College of Science & Mathematics Dayton, OH, USA		
December, 2002	University of Pittsburgh Graduate School of Public Health Pittsburgh, PA, USA	Ph.D.	Aging Epidemiology
February, 1995	Seoul National University Graduate School of Public Health South Korea	M.P.H.	Health Economics
February, 1992	Kyung Hee University School of Life Science South Korea	B.S.	Genetic Engineering

POST-GRADUATE EDUCATION/CERTIFICATION

2024-2028	The International Society for Clinical Densitometry (ISCD)	Professional certification	Certified Clinical Densitometrist (CCD®)
2002-2007			
July, 2021	Columbia University, Mailman School of Public Health	Certification	The Exposome Boot Camp
2016-2019	The National Board of Public Health Examiners	Professional certification	Certified in Public Health (CPH)
June, 2018	Columbia University, Mailman School of Public Health	Certification	Mendelian Randomization Boot camp
December, 2005	Wright State University Department of Community Health	Postdoctoral	Cardiovascular Epidemiology

D. RECOGNITION & AWARDS

2024	Teaching Innovation Award for 2024-2025, PH2710 Epidemiology III with Dr. Elena Feofanova
2023	Award for Excellence in Academic Advising, UTHealth Houston, School of Public Health Finalist, McGovern Outstanding Teaching Award, School of Public Health
2009	Early Childhood Longitudinal Study-Birth cohort Database Training Seminar (National Center for Education Statistics, Institute of Education Sciences, U.S. Department of Education) – Travel Stipend
2007	American Society for Bone and Mineral Research – Travel Award
2006	Frontiers in statistical genetics for NIAMS researchers: A two-day short course (University of Alabama at Birmingham) – Travel Stipend
2001	Skeletal Genetics Workshop: The Next Decade (Oregon Health & Science University and National Institute of Aging) - Young Investigator Travel Award
2000	Technical Assistance Workshop: Taking the Next Step (National Institute of Aging) – Travel Stipend

E. PUBLICATIONS

Peer-Reviewed Articles (published and in-press) *indicates students or trainees as first authors.

1. Heredia NI, Park SK, Lee MJ, Mitchell-Bennett L, Yeh P, Gowen R, Rodriguez A, **Lee M**, Reininger BM. Changes in perceptions of the neighborhood environment and physical activity patterns among Mexican Americans on the Texas-Mexico Border. *Journal of Physical Activity & Health*. 2024;1-10. PMID: 39069288. doi: 10.1123/jpah.2023-0575.
2. Ford ML*, Choh AC, Gonzalez B, Lindheim SR, Stanczyk FZ, McGinnis LK, Czerwinski SA, **Lee M**. Skeletal maturity influences anti-Mullerian hormone levels: The Fels Longitudinal Study. *Health Science Reports* 2024 (In press)
3. Medrano B*, **Lee M**, Gemeinhardt, G, Yamba L, Restrepo, BI. High all-cause mortality and increasing proportion of older adults with tuberculosis in Texas, 2008-2020. *Epidemiology and Infection*. 2024; 152:e82. PMC11131009. doi:10.1017/S0950268824000669
4. Williamson E*, Kellar L, Maxwell RA, **Lee M**, Whigham LD, Lindheim SR. Female perspective regarding quality of care and weight-related communication in Obstetrics-Gynecology and Family practices. *Journal of Clinical Obstetrics and Gynecology*. 2024;13:25-34
5. Low EV*, **Lee M**, Bauer C, Fisher-Hoch SP, McCormick JB, Rowan, Abughosh S, Essien EEJ, Chen H. Risk factors for overweight and obesity in children and adolescents living on the Texas-Mexico border. *Frontiers in Adolescent Medicine - Obesity and Nutrition in Adolescents*. 2024 (in press)
6. Garza A*, **Lee M**, Blangero J, Bauer C, Czerwinski SA, Choh AC. Genetic correlations between fatty liver, metabolic health, and adiposity distribution in the Fels Longitudinal Study. *Nutr Metab Cardiovasc Dis*, 2024; S0939-4753(24)00089-9. PMID: 38555241. doi: 10.1016/j.nu-mecd.2024.03.002
7. Salari S*, Lee S, Mangels J, Flyckt R, Madeira J, Gordon J, Keenan J, **Lee M**, Lin P, Pennings G, Sweet C, Klock S, Lindheim SR. Psychosocial outcomes of children born via embryo donation. *Human Reproduction*, 2024. PMID: 38373211 doi: 10.1093/humrep/deae023
8. Zitong Z*, Sabbarwal R, **Lee M**, Zhang K, McGaha P, Crum M, Bauer C, Fisher-Hoch SP, McCormick JB, Reininger BM, Thomas S, Guajardo E, Pinon D, Yaseen A. An Interactive Online Dashboard with Covid-19 Trends and Data Analysis in Northeast and South Texas. *Texas Public Health Journal* 2024; 75(2):12
9. Prasad A, Choh AC, Gonzalez ND, Garcia M, **Lee M**, Watt G, Vasquez LM, Laing S, Wu S, McCormick JB, Fisher-Hoch SP. A high burden of diabetes and ankle-brachial index abnormalities exists in Mexican Americans in South Texas. *Prev Med Rep*. 2024;Jan 9:38:102604 PMID: 38375159. doi: 10.1016/j.pmedr.2024.102604
10. Goodman M, **Lee M**, Schick V, Springer AE, Vaughan EM, Markham C, Gitari S. Sleep disturbance as a precursor to anxiety, depression, and PTSD among rural Kenyans: a cross-lagged panel analysis from a rural Kenyan interventional cohort. *Journal of Sleep Research*. 2023:e14119. PMID: 38083983. doi: 10.1111/jsr.14119
11. De La Cerda I*, Bauer C, Zhang K, **Lee M**, Jones M, Rodriguez A, McCormick JB, Fisher-Hoch SP. Evaluation of a targeted COVID-19 community outreach intervention: a model for precision public health. *JMIR Public Health and Surveillance*. 2023;Dec 20:9:e47981. PMC 10765283
12. Garcia-Sayan E, **Lee M**, Stone JR, Stone DM, McPherson DD, Fisher-Hoch SP, McCormick JB, Laing S. Endothelial dysfunction and cardiometabolic risk factors in Mexican American adults:

- The Cameron County Hispanic Cohort. *American Journal of Cardiology*. 2023; 205:75-83. PMID:37595411. doi: 10.1016/j.amjcard.2023.07.165
13. Kim D*, Memili A, Chen HH, Highland HM, Polikowsky HG, Yaser M, **Lee M**, McCormick JB, Fisher-Hoch SP, Below JE, North KE, Gutierrez AD. Sex-specific Associations between Adipokine profiles and carotid-intima media thickness in the Cameron County Hispanic Cohort (CCHC). *Cardiovascular Diabetology*, 2023;22:231. PMC10472619. doi: 10.1186/s12933-023-01968-4
 14. Maxwell RA, Reisinger-Kindle K, Rackett TM, Yaklic JL, Czerwinski SA, **Lee M**. Perceived quality of sleep across the menopausal transition. *Health Science Reports*. 2023;6:e1250 PMC10240097. doi: 10.1002/hsr2.1250
 15. Medrano B*, **Lee M**, Gemeinhardt G, Rodriguez-Herrera JE, Garcia-Viveros M, Restrepo BI. Tuberculosis presentation and outcomes in elderly Hispanics from Tamaulipas, Mexico. *Medicine*. 2023; 102(41) e35458. doi: 10.1097/MD.00000000000035458
 16. Sharpton SR, Shan K, Bettencourt R, **Lee M**, McCormick JB, Fisher-Hoch SP, Loomba R. Prevalence and factors associated with liver fibrosis among first-degree relatives of Mexican Americans with HCC. *Aliment Pharmacol Ther*. 2023;57(4):378-386 PMID: 36628455. doi: 10.1111/apt.17384
 17. Heckler B*, **Lee M**, Stone K, Bauer CC, Xiao Q. Cross-sectional and prospective associations of rest-activity rhythms with body mass index in older men: A novel analysis using Harmonic Hidden Markov Models. *J Biol Rhythms* 2023;38(1):87-97. PMID:36416436. doi: 10.1177/07487304221134163
 18. Bauer CC, Xiaona L, Zhang K, **Lee M**, Guajardo E, Fisher-Hoch SP, McCormick J, Fernandez M, Reininger B. A Novel Bayesian Spatial-temporal approach to quantify SARS-CoV-2 testing disparities for small area estimation. *Am J Public Health* 2023;113(1):40-48 PMID36516388 doi: [10.2105/AJPH.2022.307127](https://doi.org/10.2105/AJPH.2022.307127)
 19. Neblett MF 2nd, Lindheim SR, Khan Z, Christianson MS, Chung RK, Coyne KD, Flyckt R, Fitz VW, Gornet ME, Hammer KC, **Lee M**, Maxwell RA, Petrozza JC. Dissecting into endometriosis classification: why it does not always add up. *Fertil Steril* 2022;118(6):1046-1047. PMID: 36371320. doi:10.16/j.fertnstert.2022.09.359
 20. Orlowski M, Shermadou S, **Lee M**, Hinson-Enslin A, Nahhas RW. Roles of perceived parent practices and self-efficacy in increasing fruit and vegetable consumption in adolescents. *Health Education Journal*. 2022 doi.org/10.1177/00178969221125637
 21. Blackburn CC, Jones M, **Lee M**, Bauer C, Rodriguez A, Garcia R, Fisher-Hoch SP, McCormick JB, Zhang K, Garrett A, Esteves J. Autoethnographic Examination of Data-Drive, Community-Tailored COVID-19 Response in Brownsville, Texas. *Journal of Humanistic Psychology*. 2022 Aug 24. doi.org/10.1177/00221678221118708
 22. Low EV*, **Lee M**, Bauer C, Fisher-Hoch SP, McCormick JB, Abughosh Su, Essien EJ, Rodriguez J, Chen H. Association of puberty stage and weight status with cardiometabolic risk in children and adolescents living on the Texas-Mexico Border. *Metab Syndr Relat Disord*. 2022;20(8):440-450. doi: 10.1089/met.2021.0151. PMID: 35819796
 23. Gutierrez AD, Flores CA, Naik S, Lee MJ, Asgarisabet P, Resman M, **Lee M**, McCormick JB, Fisher-Hoch SP. Resistin levels decrease as insulin resistance increases in a Mexican-American cohort. *Cytokines*. 2021;148:155687. PMID:34509726. DOI: 10.1016/j.cyto.2021.155687
 24. Bauer C, Zhang K, **Lee M**, Jones M, Rodriguez A, De L Cerda I, Reininger B, Fisher-Hoch SP,

- McCormick JB. Real-time geospatial analysis identifies gaps in COVID-19 vaccination in a minority population. *Sci Rep*. 2021;11(1): 18117. PMC8437959. DOI: 10.1038/s41598-021-97416-y
25. Bauer C, Zhang K, **Lee M**, Fisher-Hoch S, Guajardo E, McCormick J, De L Cerda I, Fernandez M, Reininger B. Census tract patterns and contextual social determinants of health associated with COVID-19 in a Hispanic Population from South Texas. *JMIR Public Health and Surveillance*. 2021;7(8):e29205. PMC8354426. doi:10.2196/29205
 26. Zhang K*, Reininger B, **Lee M**, Xiao Q, Bauer C. Individual and community social determinants of health associated with diabetes management in a Mexican American population. *Front Public Health* 2021;8:6333-40. PMC7888279
 27. Walsh S*, Salazar-Collier C, Booth R, Kellar L, Maxwell RA, Whigham LD, **Lee M**, Lindheim SR. Comparison of obstetrician-gynecologists and family physicians regarding weight-related attitudes, communication, and bias. *Obes Res Clin Pract*. 2021;15(4):351-356. PMID:33994147. DOI: 10.1016/j.orcp.2021.04.010
 28. Smith MB*, Ho J, Lihong M, **Lee M**, Czerwinski SA, Glenn TL, Cool DR, Gagneux P, Stanczyk FZ, McGinnis LK, Lindheim SR. Longitudinal anti-müllerian hormone and pubertal milestones. *F S Rep*. 2021;2(2):238244. PMC8267383
 29. De L Cerda I*, **Lee M**, Schmele K, McCormick JB, Fisher-Hoch SP. Hysterectomy-corrected cervical cancer incidence reveal larger racial disparities in Texas 2012-2014: Hysterectomy-corrected cervical cancer incidence in Texas. *Cancer Health Disparities* 2020; //doi:10.9777/chd.2020.1003
 30. Gill C*, **Lee M**, Vatcheva KP, Rianon N, Smulevitz B, McPherson DD, McCormick JB, Fisher-Hoch S, Laing ST. Association of visceral adipose tissue and subclinical atherosclerosis in US-born Mexican Americans but not first generation immigrants. *J Am Heart Assoc* 2020; Oct 20;9(20):e017373. PMC7763390
 31. Limon VM*, Gonzalez B, **Lee M**, Choh AC, Czerwinski SA. The impact of metabolic syndrome on mental health-related quality of life and depressive symptoms. *Qual Life Res* 2020; 29(8):2063-2072. PMC7513573
 32. Madeira JL, Christianson MS, **Lee M**, Parry JP, Pennings G, Lindheim SR. Informed and Consent: More than just sign here. *J Reprod Med*. 2020;65(4): 213-219
 33. Watt GP*, De La Cerda I, Pan JJ, Fallon MB, Beretta L, Loomba R, **Lee M**, McCormick JB, Fisher-Hoch SP. Elevated glycated hemoglobin is associated with liver fibrosis as assessed by elastography in a population-based study of Mexican Americans. *Hepatol Commun*. 2020; 4:1793-1801 PMC7706295
 34. Pike J*, Marsden D, Wilkinson AV, **Lee M**, McCormick JB, Fisher-Hoch S. Susceptibility, trial, and current use prevalence of Cigarettes, E-cigarettes, Cigars, Snus, and Snuff Products in Mexican-Americans Adults at Texas-Mexico Border. *Journal of Family Strengths*. 2020;20(1):8. Available at: <https://digitalcommons.library.tmc.edu/jfs/vol20/iss1/8>
 35. Snyder K*, Hill M, **Lee M**, Crawford T, Orlowski M. The relationships between physical health and chronic disease, stress, and resource strain in Head Start employees. *Workplace Health Saf* 2020;68(4):190-201, PMID: 31735135
 36. Hsu YH, Estrada K, Evangelou E, Ackert-Bicknell C, Akesson K, Beck T, Brown S, Capellini T, Carbone L, Cauley J, Cheung CC, Cummings S, Czerwinski S, Demissie S, Econs M, Evans D, Farber C, Gautvik K, Harris T, Kammerer C, Kemp J, Koller D, Kung A, Lawlor D, **Lee M**, Lorentzon M, McGulgan F, Medina-Gomez C, Mitchell B, Newman A, Nielson C, Ohlsson C, Peacock M, Reppe S, Richards B, Robbins J, Sigurdsson G, Spector T, Stefansson K, Streeten E,

- Styrkarsdottir U, Tobias J, Trajanoska K, Uitterlinden A, Vandenput L, Wilson S, Yerges-Armstrong L, Young M, Zillikens C, Rivadeneira F, Kiel D, Karasik D. Meta-analysis of genomewide association studies reveals genetic variants for hip bone geometry. *J Bone Miner Res* 2019; 34(7):1284-96. PMC6650334
37. Lee M, Breyer PR, Pascoe JM. Children's age, family conflict and children's HbA1c: Are girls and boys different? *South Med J*. 2019; 112(1):16-20. PMID: 30608625
38. Lindheim SR, Lincenberg K, Hood D, Maxwell R, Lee M. The impact of hysteroscopic intrauterine morcellator systems on histopathologic analysis for benign and cancerous endometrial pathology: An *Ex Vivo* study. *J Obstet Gynaecol India*. 2019 Oct; 69(Supp 2):182-187. PMC6801286
39. Luong ETH*, Madeira JL, Lee M, Parry JP, Provost V, Pennings G, Lindheim SR. The fate of supernumerary cryopreserved embryos: Insights into patients' disposition decisions. *J Reprod Med*. 2019;64(5):326-334
40. Smith M*, Ho JR, McGinnis LK, Ma L, Lee M, Czerwinski SA, Glenn T, Cool DR, Gagneux P, Stanczyk F, Lindheim SR. Consider This: Does anti-mullerian hormone (AMH) predict biochemical hyperandrogenism, oligo-anovulation, metabolic dysfunction, and metabolic syndrome?: Results from a longitudinal study. *Fertil Steril*. 2019;111(4):E37. DOI: <https://doi.org/10.1016/j.fertnstert.2019.02.092>
41. Watt GP*, Lee M, Pan JJ, Fallon MB, Loomba R, Beretta L, McCormick JB, Fisher-Hoch SP. High prevalence of hepatic fibrosis, measured by Elastography, in a Population-based study of Mexican Americans. *Clin Gastroenterol Hepatol*. 2019 Apr; 17(5):968-975.e5. PMC6289899
42. Wu S, Fisher-Hoch SP, Reininger B, Lee M, McCormick JB, Fruit and vegetable intake is inversely associated with cancer risk in Mexican-Americans. *Nutr Cancer* 2019; 71(8):1254-1262. PMC7173711
43. Gielen M, on behalf of TELOMASS study. BMI is negatively associated with telomere length: a collaborative cross-sectional meta-analysis of 87 observational studies. *Am J Clin Nutr*. 2018; 108(3):453-475 PMID: 30535086
44. Khalil N, Ebert JR, Honda M, Lee M, Nahhas R, Koskela A, Hangartner T, Kannan K. Perfluoroalkyl substances, bone density, and cardio-metabolic risk factors in obese 8-12 year old children: A pilot study. *Environ Res*. 2018;160:314-321 PMID:29040951
45. Lucas K*, James P, Choh AC, Lee M, Czerwinski SA, Demerath EW, Johnson W. The positive association of infant weight gain with adulthood body mass index has strengthened over time in the Fels Longitudinal Study. *Pediatr Obes*. 2018; 13(8): 476-484. PMID: 29493107
46. Madeira JL, Rehbein J, Christianson MS, Lee M, Parry JP, Pennings G, Lindheim SR. Improving Ovulation Induction-Intrauterine Insemination and In-Vitro Fertilization Informed Consent through the EngagedMD Multimedia Platform. *Fertil Steril*. 2018;110:1338-1346 PMID: 30503133
47. Rianon N, Ambrose CG, Buni M, Watt G, Reys-Ortiz C, Lee M, McCormick J, Fisher-Hoch S. TBS is a valuable addition to BMD for bone quality assessment in older Mexican American Women with type 2 diabetes. *J Clin Densitom*. 2018; 21(3):355-359. PMC6045971
48. Watt GP*, Fisher-Hoch SP, Rahbar MH, McCormick JB, Lee M, Choh AC, Thanikachalam S, Thanikachala M. Mexican American and South Asian population-based cohorts reveal high prevalence of type 2 diabetes and crucial differences in metabolic health phenotypes. *BMJ Open Diabetes Research & Care*. 2018;6(1):e000436 PMC5873536
49. Johnson W, Choh AC, Lee M, Towne B, Czerwinski SA, Demerath EW. Is infant body mass in-

- dex associated with adulthood body composition trajectories? An exploratory analysis. *Ped Obesity*. 2017;12(1):10-18 doi: 10.1111/ijpo.12100. PMID: 26756208
50. Lee M, Pascoe JM, McNicholas CI. Reading, mathematics and fine motor skills at 5 years of age in US children who were extremely premature at birth. *Matern Child Health J*. 2017;21:199-207. doi:10.1007/s10995-016-2109-7. PMID:27423237
 51. Orlowski M, Patton S, Narayan R, Patrick A, Pobocik RS, Lodge A, Irick L, Roberts S, Kennel J, Lee M, Spears W. A statewide project to nudge healthy food choices: Process and Outcome Evaluation. *SAGE Research Methods Cases Part 2* 2017; DOI: <http://dx.doi.org/10.4135/9781473971929>
 52. Orlowski M, Lee M, Spears W, Narayan RJ, Pobocik RS, Kennel J, Krafka E, Patton S. Patterns in vegetable consumption: Implications for tailored school meal interventions. *J Sch Health*. 2017; 87(5):346-352. PMID: 28382664
 53. Swanton S*, Choh AC, Lee M, Laubach LL, Linderman JK, Czerwinski SA, Peterson MJ. Body mass index associations between mother and offspring from birth to age 18: The Fels Longitudinal Study. *Obes Sci Pract*. 2017;3 (2):127-133. PMC5478810
 54. Khalil N, Chen A, Lee M, Czerwinski SA, Ebert JR, Dewitt J, Kannan K. Association of per-fluoroalkyl substances, bone mineral density, and osteoporosis in the U.S. population in NHANES 2009-2010. *Environ Health Perspect* 2016;124(1):81-7. doi: 10.1289/ehp.1307909. PMC4710590
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 56. Whitaker KM*, Choh AC, Lee M, Towne B, Czerwinski SA, Demerath EW. Sex differences in the rate of abdominal adipose accrual during adulthood: The Fels Longitudinal Study. *Int J Obes (Lond)* 2016;40(8): 1278-85. PMC4970892.
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 59. Khalil N, Chen A, Lee M. Endocrine disruptive compounds, weight gain, and cardiometabolic risk factors in children. *Curr Opin Pharmacol* 2014; 19:120-124. DOI:10.1016/j.coph.2014.09.015. PMID: 25306432
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 61. Demerath EW, Choh AC, Johnson W, Curran JE, Lee M, Bellis C, Dyer TD, Czerwinski SA, Towne B. The positive association of obesity variants with adulthood adiposity strengthens over an 80-year period: A gene-by-birth year interaction. *Hum Heredity*. 2013; 75:175-85. PMC4091039
 62. Johnson W, Choh AC, Lee M, Towne B, Czerwinski SA, Demerath EW. Characterization of the infant BMI peak: sex differences, birth year cohort effects, association with Concurrent adiposity, and heritability. *Am J Hum Biol*. 2013;25(3):378-88. PMC3988701
 63. Mueller NT, Johnson W, Odegaard AO, Lee M, Czerwinski SA, Demerath EW. Wrist breadth as a

- marker of insulin resistance in youth: The Fels Longitudinal Study. *Am J Hum Bio* 2013;25:581-5. PMC3988662
64. Chumlea WC, Choh AC, **Lee M**, Towne B, Sherwood RJ, Duren D, Czerwinski SA. Maintaining function with aging: What we have learned from the Fels Longitudinal Study? *J Frailty Aging* 2012;1(2):50-51. PMC4187205
 65. Johnson W, Soloway L, Erickson D, Choh AC, **Lee M**, Chumlea WC, Siervogel RM, Czerwinski SA, Towne B, Demerath EW. A changing pattern of childhood BMI growth during the 20th century: 70 years of data from the Fels Longitudinal Study. *Am J Clin Nut*. 2012; 95:1136-43. PMID: 22418089
 66. **Lee M**, Choh AC, Williams KD, Schroeder V, Dyer TD, Blangero J, Cole SA, Chumlea WC, Duren DL, Sherwood RJ, Siervogel RM, Towne B, Czerwinski SA. Genome-wide linkage scan for quantitative trait loci for underlying normal variation in heel bone quantitative ultrasound measures. *J Nutr Health Aging*. 2012;16(1):8-13. PMC3928037
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 71. **Lee M**, Martin H, Firpo M, Demerath EW. Inverse association between adiposity and telomere length: The Fels Longitudinal Study. *Am J Hum Biol*. 2011; 23(1):100-6. PMC3245638
 72. **Lee M**, Nahhas RW, Choh A, Demerath EW, Duren DL, Chumlea WC, Sherwood RJ, Towne B, Siervogel RM, Czerwinski SA. Longitudinal changes in calcaneal quantitative ultrasound measures during childhood. *Osteoporosis Int*. 2011;22(8):2295-305. PMC3988661
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 75. Pascoe JM, **Lee M**, Specht SL, McNicholas CI, Spears W, Gans A, Heneghan AM. Mothers with positive or negative depression screens evaluate a maternal resource guide. *J Pediatric Health Care*. 2010;24(6):378-84. PMIC20971413
 76. Choh AC, Demerath EW, **Lee M**, Williams KD, Towne B, Siervogel RM, Cole SA, Czerwinski SA. Genetic analysis of self-reported physical activity and adiposity traits: The Southwest Ohio

- Family Study. *Public Health Nutr* 2009;9:1-9. PMC2883310
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- (Doctoral Dissertation) Lee M.** Bone mineral density (BMD), bone loss and coronary calcification in older men. Ph.D. Dissertation (<http://etd.library.pitt.edu/ETD/available/etd-12122002-142357>), University of Pittsburgh, Pittsburgh, PA. Advisor: Dr. Jane A. Cauley

Published Book Chapter

1. Czerwinski SA, Choh AC, **Lee M**. Chapter 2: Growth and Maturation. In: Knoek S & Becker P (eds). *Pediatric Nutrition*. 5th ed. Jones & Bartlett Learning. USA. 2020, pp 35-49. ISBN: 9781-284-14639-4
2. Khalil N, **Lee M**, Steeland K. Chapter 13: Epidemiological Findings. In: DeWitt J (eds). *Toxicological Effects of Perfluoroalkyl and Polyfluoroalkyl Substances*. Humana Press. Switzerland. 2015, pp 305-335. ISBN-13 978-3319155173.

Peer-reviewed articles under review/revision

1. Blackburn CC, **Lee M**, Rico M, Hernandez J, Knight L. “It overwhelms the system”: Community and personnel effects of providing EMS care in a Texas border community.” *BMJ Open* (under review)
2. Blackburn CC, Rico M, Hernandez J, **Lee M**. Medical care or deportation: Examining interior border checkpoints and access to higher-level medical care for undocumented immigrants in South Texas. *Am J Public Health*. 2024 (Under review)

3. Beglarian E, Chen JC, Li Z, Costello E, Wang H, Hampson H, Alderete T, Chen Z, Valvi D, Rock S, Chen W, Rianon N, Aung M, Gilliland F, Goran M, McConnell R, Eckel S, **Lee, M**, Conti D, Goodrich J, Chatzi L. Proteins and Pathways Involved in Inflammation are Longitudinally Associated with Bone Mineral Density Among Primarily Hispanic Adolescents and Young Adults. *J Bone Miner Res.* 2024 (Under revision)
 4. Chen HH, Sharma P, Polikowsky HG, Petty LE, Seo J, Anwar, MY, Kim D, Graff M, Young KL, Zhu W, Karastergiou K, Shaw DM, Justice AE, Fernandez-Rhodes L, Krishnan M, Gutierrez A, McCormick P, Gordon-Larsen P, **Lee M**, Highland H, Gamazon ER, Cox NJ, Fried SK, Fisher-Hoch S, McCormick J, North KE, Below JE. Multi-omics reveal key molecular signatures of severe obesity. *Cell Metabolism.* 2024 (Under review)
 5. Yaser Anwar M, Krishnan M, Justice AE ... Graff M. Large-scale genome-wide association study identifies two novel loci and provides insight into genetic architecture of severe obesity. *Scientific Reports.* 2024 (Under review)
 6. Calles-Cabanillas LE*, Aguillón-Durána GP, Ayalaa D, Casoa JA, Garzaa M, Joya-Ayalab M, Cruz-Gonzalez AM, Rodríguez-Herrerac JE, Garcia-Oropesa d EM, Thomas III JM, **Lee M**, Torrelles JB, Turner J, Restrepo BI, Type 2 diabetes modifies the association between recent SARS-CoV2 infection and a new tuberculosis episode. *Int J Tuberc Lung Dis.* 2024 (Under revision)
 7. Garza A*, Blangero J, **Lee M**, Bauer C, Czerwinski SA, Choh AC. Endophenotype informed association analyses for liver fat accumulation and metabolic dysfunction in the Fels Longitudinal Study. *JHEP reports* 2024 (Under review)
 8. Petty L*, ... Below JB. Large-scale multi-omics study of cardiometabolic traits in Hispanic/Latino populations identifies novel loci and functionally implicates genes for type 2 diabetes and lipid traits. *Nature Communications.* 2024 (Under revision)
 9. Pleasants H*, Yang P, Highland H, Gutierrez AD, Glover L, Fernandez-Rhodes L, Fisher-Hoch SP, McCormick JB, Below JE, North KE, **Lee M**. Low educational attainment is associated with type 2 diabetes in a disadvantaged Mexican American border population. *Prev Med Rep.* 2024 (Under revision)
- Peer-reviewed manuscripts, and ready to resubmit*
10. Khalil N, Hamdaoui L, Ducatman A, Koskela A, Rebai T, **Lee M**, Nahhas RW. Glyphosate exposure and bone mineral density in the US population: NHANES 2013-2018. 2024
 11. Garza A*, Choh AC, Blangero J, Bauer C, Czerwinski SA, **Lee M**. Cross-sectional assessment of metabolically healthy obesity and liver steatosis in the Fels Longitudinal Study. 2024

F. RESEARCH & EDUCATIONAL GRANTS

(Grants are organized by granting agency, project period, study title, principal investigators, and total award amounts)

Active Grants/Contracts: With role as Contact PI or consortium PI

- **R01 AG078452-01A1 (Lee /Rianon)** 04/15/2023-01/31/2028 2.40 CM
 NIH/NIA Total cost: \$ 3,328,348
 Title: **Genomic, transcriptomic, and metabolic effects on skeletal health in Mexican Americans**
 Goal: To identify causal pathways between diabetes and skeletal health and offer better insights into skeletal health disparities in older Hispanic/Latino adults at risk for diabetes and fractures

- CPRIT RP220182 (Lee-subcontract PI, PI: Tsai) 03/01/2023-02/28/2028** 1.80 CM
 CPRIT/Texas A & M Total cost: \$699,886
Title: Whole Genome DNA Methylation Markers for Tracking and Predicting Advanced Liver Fibrosis as a Precursor of Liver Cancer in NAFLD
 Goal: To identify and validate cell-free DNA recoverable and differentially methylated regions that predict the advanced progression of liver fibrosis in non-alcoholic fatty liver disease in Mexican Americans

Active Grants/Contracts: With role as Co-Investigator

- R01 DK127084-01A1 (Gutierrez)** 07/09/2021-04/30/2026 0.60 CM
 NIH/ NIDDK Total cost:\$4,006,887
Title: Pharmacogenetics of the Response to GLP-1 in Mexican-Americans with Prediabetes
 Goal: This clinical trial will uncover new mechanisms of inter-individual responses to endogenous and exogenous glucagon-like peptide-1 (GLP-1) in Hispanics/Latinos with prediabetes.
- R01 HL142302 (Below/McCormick/North) 07/01/2023-03/31/2027** 0.60 CM
 NIH/NHLBI Total cost: NA
Title: Hispanic Latino Lipid Consortium

Pending Grants: With role as Contact PI or Co-Investigator

- R01ES037364 (Lee /Galan)** 04/01/2025-03/31/2030 3.60 CM
 NIH/NIEHS/NICHD
Title: Longitudinal PFAS exposures and cardiometabolic and bone health in Adolescents
Role: MPI (Contact PI)
- Social Sciences Korea Grant (Contact PI: Kim) 08/01/2024-09/30/2027**
 National Research Foundation of Korea/KyungHee University, South Korea
Title: The socio-technical systems, politics, and social acceptance of digital epidemiology to Combat Global Infectious Diseases: An International Comparison
Role: Co-I
- NNH23ZDA001N-CRC (Contact PI: Qian)**
 NASA A.67 Earth Action 10/01/2024-09/30/2027 0.60 CM
Title: Using satellite data to prepare Texas communities for extreme heat and cold: Risk and public health assessment, community engagement and capacity building
Role: Co-I
- R01MD020075 (Contact PI: Blackburn)** 1.80 CM
 NIH/NIMHD 09/01/2024-08/31/2029 (Percentile 33)
Title: Interior border checkpoints as barriers to specialty care for US citizen children in mixed status families
Role: Subcontract PI/Co-I

- **U54** (Contact PIs: Das/Shah/Fisher-Hoch/North) 1.80 CM
 NIH 07/01/2024-06/30/2029
 Title: **The Vanderbilt-coordinated human Virome Characterization Center (V2C2)**
 Role: Co-I
- **R01 ES036253** (Contact PI: Chatzi, Subcontract PI: McCormick) 1.20 CM
 NIH/NIEHS 09/01/2024-08/31/2029 (Percentile 9)
 Title: **PFAS and bone health in Latinos: emerging risk factors and underlying mechanisms**
 Role: Co-I
- **R01 ES036267** (Contact PI: Hwang) 0.60 CM
 NIH/NIEHS 09/01/2024-08/31/2029
 Title: **Impact of inhaled ambient fire smoke on brain health in wildland firefighters**
 Role: Co-I

Completed Grants: With role as Contact PI or Co-Investigator

UTHealth Houston

- **Contract 0017402** (Lee/Bauer) 04/22/2022 – 06/30/2024 1.20 CM
 Cameron County Public Health
 Title: **CCPH COVID-19 Mapping and Vaccination Data Analysis**
 Goal: This project supports the data management and analysis for COVID-19 vaccination data, testing data, and case and fatality data including geospatial temporal Analysis in Cameron County, Texas.
 Role: Contact PI Total cost: \$ 225,000
- **Grant** (Fisher-Hoch) 02/01/2021-01/31/2024 1.20 CM
 Valley Baptist Legacy Foundation
 Title: **Establishment of a Public Health Laboratory and Integrated Data Management System for the Cameron County and Municipalities**
 Goal: This project supports the establishment of a sustainable diagnostic Public Health Laboratory to enhance control of COVID-19 and future infectious disease outbreaks and aim to establish an information system and data analysis support using the state-of-the-art analysis for outbreak control in Cameron County and municipalities.
 Role: Co-I Total cost: \$ 748,301
- **R01DK111201-05** (Lee/Curran) 09/01/2017-08/31/2023 (NCE) 1.80 CM
 NIH/NIDDK
 Title: **Telomere Length Dynamics In Relation To Changes In Adiposity And Metabolic Risk**
 Goal: Using telomere length and telomerase activity as biomarkers of cellular aging, this study aims to investigate the longitudinal relationships between telomere dynamics and obesity and associated cardiometabolic diseases.
 Role: MPI (Contact PI) Total cost: \$ 2,712,566

- **6U3SHS45319** (McPherson/Fernandez/Reininger) 11/2021 – 10/2022 3.00 CM
 Health Resources and Services Administration (HRSA)
 Title: **Community-Based Workforce Development and Mobilization to Increase COVID-19 Vaccination Equity in Texas**
 Role: Co-I Total cost: NA
- **3UL1TR003167-02S1** (McPherson/Fernandez/Reininger) 09/24/2020-08/31/2022 0.60 CM
 NCATS/NIH/DHH
 Title: **Center for Clinical and Translational Sciences-CCTS-RADx-UP**
 Role: Co-I Total cost: \$4,998,788
- **4500430907 COVID-19 Contact Tracing Service** (Tsai) 12/01/2020-06/30/2021 0.60 CM
 City of San Antonio
 Title: **COVID-19 Contact Tracing Service**
 Role: Co-I Total cost: 3,500,000

Wright State University

- **Bill and Melinda Gates Foundation (Czerwinski/Choh)** 07/28/2015-12/31/2016
 Title: Quantifying healthy birth, growth and development knowledge integration
 Role: Co-I Total cost: \$184,917
- **R25HL103168** (Czerwinski) 06/01/2010-02/28/2017
 NIH/NHLBI
 Title: **Short-term Training for Minority Students (STREAMS) program**
 Role: Mentor Total cost: \$694,440
- **R01 HD012252** (Czerwinski) 07/07/2010 – 06/30/2016
 NIH/National Institute of Child Health & Human Development (NICHD)
 Title: **Adiposity, disease risk factors, and lifetime health**
 Role: Co-I Total cost: \$7,358,388
- **R25GM086257** (Czerwinski) 03/01/2010-02/28/2016
 NIH/NIGMS
 Title: Post-baccalaureate Research Education Program (PREP) Scholars
 Role: Mentor Total cost: \$1,247,186
- **Wright State University Seed Grant** (Lee) 07/01/2010 – 03/31/2014
 Title: **Adiposity and ectopic fat depots in relation to cardiometabolic risk in pubertal children; Abdominal MRI pilot study (AMPS)**
 Role: PI Total cost: \$20,000

- **Wright State University Proteomic Seed Grant (Lee)** 07/01/2012 – 09/30/2013
 Title: **Health outcomes of weight loss**
 Role: PI Total cost: \$2,000

- **R01 AR052147 (Czerwinski)** 09/01/2005 – 06/30/2012
 NIH/NIAMS
 Title: **Genetic analysis of osteoporosis risk factors**
 Role: Co-I Total cost: \$2,338,967

- **D54 HP 05465 (Pascoe)** 09/01/2008 – 08/31/2011
 US/Health Resources and Services Administration (HRSA)
 Title: **Academic Administrative Units in Primary Care**
 PI: Co-I Total cost: NA

- **R01 HD38356, Subcontract to Virginia Commonwealth University (PI: Sun)** 12/01/2007 – 06/30/2010
 NIH/NICHHD
 Title: **Childhood obesity and sexual maturation**
 Role: Subcontract PI/Co-I Total cost: \$260,692

- **Research Grant (Ebert)** 09/01/2007-08/31/2009
 Children’s Medical Center (CMC) of Dayton
 Title: **OSCIR (Oxidative stress in childhood insulin resistance)**
 Role: Co-I Total cost: \$40,000

- **Boonshoft School of Medicine Seed Grant (Lee)** 05/01/2007 – 06/30/2008
 Title: **Oxidative stress in childhood obesity and insulin resistance**
 Role: PI Total cost: \$10,000

- **0665256B (Lee)** 07/01/2006 – 06/30/2009
 American Heart Association, Ohio Affiliate Beginning Grant-in Aid program
 Title: **Genetic analysis of ankle-brachial index and peripheral arterial disease risk**
 Role: PI Total direct cost; \$121,000

- **0325331B (Lee)** 07/01/2003 - 06/30/2005
 American Heart Association, Postdoctoral Fellowship Grant
 Title: **Oxidized LDL and its role in inflammation and risk for cardiovascular disease**
 Role: PI Total direct cost: \$76,000

G. Meeting Presentations (for last five years only)

- 2024**
1. Blackburn CC, Rico M, Hernandez J, **Lee M**. “You guys have to do a body retrieval”: Examining federal government reliance on local EMS for migrant medical care and body retrieval. American Public Health Association, Oct 30, Minneapolis, MN (Accepted)
 2. Blackburn CC, **Lee M**, Rico M, Hernandez J, Knight L. Border Patrol in hospitals: Facilitating care for the detained or preventing access for the undocumented? The North American Refugee Health Conference (NARHC), Aug 5-7, Minneapolis, MN (Oral presentation)
 3. Rianon N, Ambrose CG, des Bordes J, Below J, McCormick JB, Fisher-Hoch S, **Lee M**. BMD and TBS in Mexican Americans with and without type 2 diabetes. American Society of Bone and Mineral Research, Sep 30, Toronto, Canada (Accepted)
 4. **Lee M**, Moghe A, Ambrose CG, des Bordes J, Tsai R, Below J, Fisher-Hoch S, McCormick JB, Rianon N. Adverse effects of Metabolic Dysfunction-Associated Steatotic Liver Disease on skeletal health in Mexican Americans. American Society of Bone and Mineral Research, Sep 30, Toronto, Canada
- 2023**
5. Yaser M, Graff M, Chen HH, Sharma P, Curran JE, Meikle PJ, Zu W, Highland H, Young K, Petty, Gutierrez A, **Lee M**, McCormick J, Fisher-Hoch SP, Below JE, North KE. 2- Sample Mendelian Randomization Reveals Widespread Lipidomic Dysregulation Underpinning Severe Obesity in Self-identified Mexican Americans. ASHG 2023 Annual meeting November 1-3, Washington DC.
 6. Highland H, Sharma P, Graff M, Frankel E, Zhu W, Chen HH, Petty LE, Roshani R, **Lee M**, Gamazon ER, McCormick JB, Fisher-Hoch S, Below JE, North KE. Proteomic changes in the development of type 2 diabetes. ASHG 2023 Annual meeting November 1-3, Washington DC.
 7. Kim D, Polikowsky HG, Highland HM, Chen HH, Wang Y, Graff M, Young KL, Anwar MY, Zhang X, Zhu W, Sharma P, Berndt S, Arias JD, Gutierrez AD, **Lee M**, McCormick JB, Fisher-Hoch SP, Below, JE, North KE. Genomic and transcriptomic influences on obesity-related traits in a high obesity-risk Hispanic/Latino population. ASHG 2023 Annual meeting November 1-3, Washington DC.
 8. Petty L, Chen HH, Sharma P, Polikowsky HG, Seo J, Anwar MY, Kim D, Graff M, Young KL, Zhu W, Krastergiou K, Shaw DM, Justin AE, Fernandez-Rhodes L, Krishnan M, Gutierrez A, McCormick P, Gordon-Larson P, **Lee M**, Highland HM, Gamazon ER, Cox NJ, Fried SK, Fisher-Hoch SP, McCormick JB, North KE, Below JE. Multi-omics approaches reveal key molecular signatures of severe obesity. ASHG 2023 Annual meeting November 1-3, Washington DC.
 9. Flores M*, Fisher-Hoch SP, McCormick JB, **Lee M**. Examination of the role of diet quality on non-alcoholic fatty liver disease (NAFLD) among Hispanics in the Rio Grande Valley: a cross-sectional study. American Association for the Study of Liver Disease (AASLD) The Liver Meeting, November 10-14, Boston MA.
 10. De La Cerda I*, **Lee M**, McCormick JB, Fisher-Hoch SP. Elevated prevalence of undiagnosed Advanced liver disease in a Hispanic Community. American Association for the Study of Liver Disease (AASLD) The Liver Meeting, November 10-14, Boston MA.

11. Hunyadi J, Kehe Z, Bauer C, Zitong Z, Yamal JM, **Lee M**, Kiger JN, Otto M, Crum M, Reininger B, Guajardo E, Fernandez ME. Demographic Trends in COVID-19 Booster Vaccination Uptake in Three Regions of Texas: Cameron County, Harris County, and Northeast Texas. American Public Health Association Annual meeting Nov 12-15, 2023 Atlanta GA. (3199.0)
12. El-Gayar M, Salari SM, Lee S, Mangels J, Madeira JL, Klock S, Flyckt R, Keena JA, **Lee M**, Lin PC, Pennings G, Sweet CR, Tyson K, Gordon JD, Lindheim SR. Perceptions and reflections of embryo donation recipients: a qualitative study. The American Society of Reproductive Medicine (ASRM) Scientific Congress & Expo. Fertility & Sterility 2023;120(4S):e111
13. **Lee M**, Garcia-Sayan ED, Stone JR, Stone DM, McPherson DD, Fisher-Hoch SP, McCormick JB, Laing ST. Varying determinants of endothelial dysfunction by age group among Mexican Americans. American Heart Association Epi/Lifestyle 2023 Scientific Session, Feb 28 - Mar 3, 2023, Boston, MA
14. **Lee M**, Patnaik S, Paul NM, Molina E, McPherson DD, McCormick JB, Fisher-Hoch SP, Laing ST. Prevalence and determinants of left ventricular structural abnormalities and diastolic dysfunction in asymptomatic Mexican Americans living in South Texas. American Heart Association Epi/Lifestyle 2023 Scientific Session, Feb 28 -Mar 3, 2023, Boston, MA
- 2022** 15. Salari S, Lee S, Mangels J, Madeira J, Flyckt R, Gordon J, Keenan J, **Lee M**, Lin P, Pennings G, Sweet C, Tyson K, Lindheim SR, Klock S. Psychosocial outcomes of children born via embryo donation. 77th American Society for Reproductive Medicine Annual Meeting, Anaheim, CA
16. Salari S, Mangels J, Lee S, Madeira J, Flyckt R, Gordon J, Keenan J, **Lee M**, Lin P, Pennings G, Sweet C, Tyson K, Lindheim SR, Klock S. Current practice of embryo donation: demographic and clinical findings. 77th American Society for Reproductive Medicine Annual Meeting, Anaheim, CA
17. Garza A*, Choh AC, Blangero J, Czerwinski SA, **Lee M**. The metabolically healthy obese paradigm and liver fat content in the Fels Longitudinal Study. The Obesity Society 2022 Annual Meeting, San Diego, CA.
18. Memili A, Kim D, **Lee M**, McCormick JB, Fisher-Hoch SP, Below JE, North KE, Guterrez AD. Associations of adipokines and carotid-intima media thickness in the Cameron County Hispanic Cohort. The Obesity Society 2022 Annual Meeting, San Diego, CA.
19. Petty L, Chen HH, Zhu W, Downie CG, Graff M, **Lee M**, North KE, McCormick JB, Fisher-Hoch SP, Mercader JM, Highland HM, Below JE. Validation of large-scale Hispanic S-PrediXcan findings by independent Hispanic RNA-Seq data analysis confirms novel lipid-associated genes. ASHG 2022 Annual Meeting, Los Angeles, CA.
20. Sharma P, Chen HH, Zhu W, Polikowsky H, McCormick P, Karastergiou K, Fried S, Justice A, **Lee M**, Puppala S, Graff M, Mohammad Y, McCormick JB, Fisher-Hoch SP, North KE, Below JE. Transcriptomic analysis of severe obesity identifies novel genes in Hispanic/Latino populations with a high burden of disease. American Society of Human Genetics (ASHG) 2022 Annual Meeting, Los Angeles, CA.
21. Zhang X, Graff M, Yaser M, Seo J, Okello S, Chen HH, Zhu W, **Lee M**, McCormick JB, Fisher-Hoch SP, Gutierrez AD, Below JE, North KE. Transcriptome-wide analysis

- in Cameron County Hispanic Cohort (CCHC) provides novel insights into gene expression signatures of blood pressure. ASHG 2022 Annual Meeting, Los Angeles, CA.
22. Yaser M, Chen HH, Polikowsky H, Petty L, **Lee M**, McCormick JB, Fisher-Hoch SP, Highland H, Graff M, Seo J, Young K, North KE, Below JE. Characterization of gene expression profile and molecular pathways involved in type 2 diabetes among self-identified Hispanic American individuals. ASHG 2022 Annual Meeting, Los Angeles, CA.
 23. Gonzalez B*, Choh AC, Ford ML, Curran J, **Lee M**, Czerwinski SA. Associations of behavioral, anthropometric, and dietary risk factors with leukocyte telomere length in the Fels Longitudinal Study. 2022 Human Biology Association annual meeting, Denver, CO
 24. Ford M*L, Choh AC, Gonzalez B, Lindheim SR, Stanczyk FZ, McGinnis LM, Czerwinski SA, **Lee M**. Skeletal maturity influences anti-Müllerian hormone levels. 2022 Human Biology Association annual meeting, Denver, CO
 25. Choh AC, Ford ML, Curran JE, Gonzalez B, Czerwinski SA, **Lee M**. The relationship between sleep characteristics and leukocyte telomere length in the Fels Longitudinal Study. 2022 Human BA annual meeting, Denver, CO
 - 2021** 26. Aggarwal S, Sarkar A, Yamal JM, Savitz S, Fisher-Hoch SP, **Lee M**, McCormick JB. Is cognitive impairment predicted by hypertension in Mexican Americans? A prospective study. 13th World Stroke Congress Annual meeting
 27. Heredia N, Xu T, Lee MJ, **Lee M**, McCormick JB, Fisher-Hoch SP, Reininger BM. Associations between neighborhood environment and physical activity in a population-based cohort of Mexican American adults. APHA 2021 Annual meeting
 - 2020** 28. Garcia DO, **Lee M**, Morrill KE, Lopez-Pentecost M, Reininger BM, McCormick JB, Fisher-Hoch SP. Lifestyle risk factors associated with non-alcoholic fatty liver disease (NAFLD) among Mexican-Origin men. Med Sci Sports Exerc 2020;52(5): Supplement.
 29. Petty LE, Shaw DM, Polikowsky H, **Lee M**, Rianon NJ, Ambrose CG, Fisher-Hoch SP, McCormick JB, Below JE, GWAS of bone mineral density in a health-disparate Hispanic/Latino population reveals known and novel loci; (Abstract/Program #3852). Presented at the 70th Annual Meeting of The American Society of Human Genetics, October 26, 2020 in San Diego, California
 30. Salazar-Collier C, Booth R, Welsh S, Kellar L, Maxwell RA, Whigham LD, **Lee M**, Lindheim SR. Patient perspectives: quality of care and weight-related communication in OBGYN vs Family Practice. The 38th Annual Scientific Meeting of The Obesity Society, 2020

H. TEACHING AND MENTORING

1. TEACHING

UTHealth Houston, School of Public Health, Department of Epidemiology (Epi)

<u>Date</u>	<u>Course</u>	<u>Semesters</u>
2019 - 2024	PHW 2710L Epidemiology III	Spring (3 credits), Fall (3 credits)

2018 PH2710 Epidemiology III Summer (3 credits) Co-teaching (Drs. Waller, Hanson, Lee)

Guest lecture

2017 PH2711 Epidemiology IV (Topic: Mediation Analysis) Fall (Dr. Kimberly Waller)

Wright State University Boonshoft School of Medicine (BSOM), Dayton Ohio

<u>Year</u>	<u>Course</u>	<u>Semester</u>
2016	CMH 6100-01, Biostatistics for Health Professionals	Fall (3 credits)
2015	CMH 6100-01, Biostatistics for Health Professionals	Fall (3 credits), Spring (3 credits)
2014	CMH 8220, Graduate Culminating Experience Research	Spring (1 credit)
	CMH 8110, Practice Placement	Spring (1 credit)
	CMH 8100-02, Critical Thinking in Public Health	Spring (1 credit, co-teaching, Dr. Stefan Czerwinski)
2013	CMH 6100-02, Biostatistics for Health Professionals	Spring (3 credits)
	CMH 8110, Practice Placement	Fall (1 credit)

Guest lecture

<u>Date</u>	<u>Course</u>	<u>Semester (Instructor)</u>
2012	CMH 791, Advanced Epidemiology (Topic: Cardiovascular Epidemiology)	Summer (Dr. Naila Khalil)
2011	CMH 791, Advanced Epidemiology (Topic: Cardiovascular Epidemiology)	Summer (Ms. Sylvia Ann Ellison)

2. MENTORING

University of Houston (Department of Pharmaceutical Health Outcomes & Policy, College of Pharmacy)

2019 - 2021 Ee Vien Low, PhD Member

UTHealth Houston, Faculty Mentees

<u>Dates</u>	<u>Name</u>	<u>Rank</u>	<u>Role</u>
2022-2024	Dr. Samaah Sullivan	Assistant Professor	Mentor

UTHealth Houston, School of Public Health (Doctoral Students)

Department abbreviations: Epidemiology (EPI), Health Promotion & Behavioral Sciences (HPR), Biostatistics & Data Science (BIM)

<u>Dates</u>	<u>Name</u>	<u>Department</u>	<u>Role</u>
2021– 2024	Anayeli Herrera Morales, PhD	EPI	Chair, Advisor
2024- present	Yiqing (Luna) Chen, PhD (ABD)	BIM	Member
2022 - present	Ricardo Gomez, MPH	HPR	Advisor

2024 - present	Soo Kyung Park, PhD (ABD)	BIM	Member
2023 - present	Qian Qian, PhD (ABD)	BIM	Member
2023 - present	Zitong Zhang PhD (ABD)	BIM	Member
2023 - present	Maria Flores, MPH	EPI	Advisor
2022 - present	Ella Garza, MPH	EPI	Advisor
2024 - present	Erica Reyes, DrPH (ABD)	HPR	Member
2022 - present	Kehe Zhang, PhD (ABD)	BIM	Member
2020 - 2022	Isela De La Cerda, PhD	EPI	Supervisor, Member
2020 – 2023	Belinda Medrano, PhD	EPI	Member
2018 - present	Jessica Rodriguez, PhD (ABD)	EPI	Chair, Advisor
2022 - 2024	Okechukwu Erinne, MD, PhD	EPI	Member
2020 - 2023	Belinda Medrano, PhD	EPI	Member
2019 - 2023	Ariana Garza, PhD	EPI	Member
2019 - 2022	Jessica Pena, Dr.PH	HPR	Member
2018 - 2020	Miriam Martinez, Dr.PH	HPR	External reviewer

UTHealth Houston, School of Public Health (Master of Public Health students)

<u>Dates</u>	<u>Name</u>	<u>Department</u>	<u>Role</u>
2024 -present	Susana Zavala	EPI	Advisor
2024 -present	Lizett Cruz	EPI	Advisor
2024 -present	Karla Ruelas	HPR	Advisor
2021-2023	Maria Flores, MPH	EPI	Chair, Advisor
2022-2023	Layla El-Haj, MPH	EPI	Member
2022-2023	Liz Elias Calles, MPH	EPI	Member
2021-2022	Ella Garza, MPH	EPI	Member
2020-2021	Brian Heckler, MPH	BIM	Member
2020-2021	Kehe Zhang, MPH	BIM	Member
2020-2022	Aylin Flores, MPH	EPI	Advisor
2018-2022	Mark Franco, MPH	EPI	Advisor
2019-2021	Pablo Olvera, MPH	EPI	Advisor
2018-2020	McKenzie Ford, MPH	EPI	Chair, Advisor
2019-2020	Alan Villarreal Rizzo, MPH	EPI	Chair, Advisor
2018-2019	Michael Roa, MPH	EPI	Member
2018-2019	Brandon Gonzalez, MPH	EPI	Member
2017-2018	Victoria Limon, MPH	HPR	Member

UTHealth Houston, Summer Institutes for Undergraduate and High School Students

<u>Dates</u>	<u>Name (Department)</u>	<u>Role</u>
2023	Janeth Jimenez	Mentor

2023	Gabriela Villarreal	Co-mentor
2023	Anllelin Sanchez	Mentor
2019	Jose Gonzalez, BS	Mentor
2018	Yash Motwani, BS	Co-mentor
2017	Roma Bhandarkar, BS	Co-mentor
2017	Umer Jalil, BS	Co-mentor

Wright State University Boonshoft School of Medicine (SOM), Dayton Ohio

Post-doctoral Fellows (Wright State University)

<u>Dates</u>	<u>Name (Department)</u>	<u>Role</u>
2008-2010	Dr. Naila Khalil	Co-mentor
2007-2009	Dr. Kimberly D. Williams	Co-mentor

Master of Public Health Culminating Experience Committee

<u>Dates</u>	<u>Name (Department)</u>	<u>Role</u>
2014-2015	Florence Sara Walusimbi, MPH	Chair
2012-2013	Betty Jean Cheney, MPH	Co-chair
2011	Leah K. Sabato, MPH	Member

GRAD-PREP Biomedical Graduate Preparation Program and Undergraduate Students (Short Term Research Experience Access for Minority Students (STREAMS) program NIH R25HL103168)

<u>Dates</u>	<u>Name (Department)</u>	<u>Role</u>
2011-2012	Elizabeth Alvarez	Co-mentor
2015	Paloma R. Wiggins (Smith College)	Co-mentor
2015	Tevin M. Dorsey (North Carolina A&T State University)	Co-mentor
2014	Nelson G Castillo Rivera (University of Puerto Rico-Recinto)	Co-mentor
2013	Darian Vernon (University of South Carolina)	Co-mentor
	Nelson G Castillo Rivera (University of Puerto Rico-Recinto)	Co-mentor
2012	Katherine Smale (Wright State University)	Mentor
	Raquel Chambers (California State University Sacramento)	Mentor
2009	Brittany Thompson (Chowan University)	Mentor
2008	Lauren E. Biekman (Vanderbilt University)	Mentor
2006	Jessica Chavez-Reyes (University of Texas at Brownsville)	Co-mentor

2005	Afton Jackson (Alcorn State University)	Mentor
2004	Obianuju Rita Mbamalu (Vanderbilt University)	Co-mentor

I. SERVICE AND ACADEMIC OUTREACH

1. NATIONAL AND INTERNATIONAL COMMITTEE

International service

- 2024-present Marketing, Communications & Membership Committee, Internal Society of Clinical Densitometry (ISCD)
- 2024-present Scientific Leadership Committee, International Society of Bone Morphometry (ISBM)

National Institute of Health (NIH) Grant Review

- 2024-present Member, NIAMS Ancillary Studies to Ongoing Clinical Projects, CSR Special Emphasis Review Panel (ZAR1 AJ M1)
- 2023 Nov - present The Aging Injury, Musculoskeletal, and Rheumatologic Disorders (AIMR) study section (Temporary member)
- 2023 Feb Member, NIA Research Program Cooperative Agreement (U19)
- 2021 Sep – 2023 Jul Member, CSR Special Emphasis Review Panel (ZRG1) - Fellowships: Risk, Prevention and Health Behavior section (F16)
- 2022 Jul Member, CSR Special Emphasis Review Panel (ZRG1)-Fellowships: Epidemiology and Population Sciences section (F18)
- 2020 Feb Biobehavioral Mechanisms of Emotion, Stress and Health (MESH) study section (Temporary member)
- 2019 June Infectious, Reproductive, Asthma and Pulmonary Conditions (IRAP) study section (Temporary member)

2. UNIVERSITY & DEPARTMENTAL COMMITTEE

UTHealth Houston, School of Public Health

- 2023 - present Member, UTHealth Houston Institute for Implementation Science
Member, UTHealth Houston Institute on Aging
- 2023 - present Leadership team member, Translational Research Seminar Series, UTHealth Houston & University of Texas Rio Grande Valley
- 2022 Oct- present Co-Chair, School of Public Health Brownsville Faculty Search Committee
- 2021-present Member, School of Public Health San Antonio Faculty Search Committee
- 2017 Sep–2023 Aug Member, School of Public Health, Faculty Council
- 2020 Jun - present Member, School of Public Health, Practicum Council
- 2018 Sep– 2020 Aug Member, Epidemiology Preliminary Exam Committee (Chair Dr. R. Sue Day)

Wright State University, Dayton, OH

- 2013-2016 Graduate Council (Elected)

2013-2016	Graduate Council/Policy Sub-Committee
2013-2016	Graduate Council (Elected)
2013-2016	Graduate Council/Policy Sub-Committee
2013-2014	Faculty Senate IT subcommittee
2010-2012	Faculty Senate Committee (Elected)

Wright State University, Boonshoft School of Medicine (BSOM), Dayton, OH

2009-2010	Global Health Systems Student Research Travel Scholarship Review Committee, Department of Community Health
2008-2012	Academic Administrative Unit (AAU) Project Steering Committee, Department of Pediatrics
2008-2016	Southwestern Ohio Ambulatory Research Network (SOAR-Net) Leadership Committee, Department of Pediatrics
2009-2010	Data Sharing Committee, Department of Community Health, Lifespan Health Research Center

3. REVIEWER FOR PEER REVIEWED JOURNALS

Editorial Board

- Frontiers in Cardiovascular Genetics and Systems Medicine (Review editor)
- Frontiers in Applied Genetic Epidemiology (Review editor)
- Fertility and Sterility (Methodologic Editor, 2021-2024)

Reviewer: AGE, American Journal of Hypertension, American Journal of the Medical Sciences, American Journal of Preventive Medicine, Preventive Medicine, Annals of Human Biology, BMC Public Health, British Journal of Nutrition, Metabolism, Clinical Endocrinology (Oxf), BMC Musculoskeletal Disorders, Bone & Joint Research Calcified Tissue International, Osteoporosis International, International Journal of Obesity, International Journal of Pediatric Obesity, Journal of Adolescent Health, Paediatric and Perinatal Epidemiology, Journal of Pediatrics, Pediatrics, Journal of Psychosomatic Research, Quality of Life Research, Environmental International, Environmental Pollution, Heliyon

J. PROFESSIONAL MEMBERSHIPS

<u>Dates</u>	<u>Association</u>
2023-present, 1998-2003	The American Society of Bone and Mineral Research (ASBMR)
2023-present	International Society of Clinical Densitometry (ISCD)
2022 -present	The American Society for Reproductive Medicine (ASRM)
2011-2022	The Obesity Society
2003-present	American Heart Association, Council on Epidemiology and Prevention

K. COMMUNITY SERVICE

Office of Family and Children First, Montgomery County, OH

2012 Alcohol and Other Drug Abuse Implementation Advisory Team
Treatment Committee (Invited member)

Community Health Speaker's Bureau, University of Pittsburgh, Pittsburgh, PA

2001- 2002 Community Health speaker in the disease prevention seminars at various senior centers. Topics include "Fall and fractures in the elderly" and "Keeping it together – Urinary incontinence"

L. RESEARCH SKILLS

Statistical Programs: SAS®, IBM SPSS statistics, STATA, R/R studio. Unix-based genetic analysis software - SOLAR (Sequential Oligogenic Linkage Analysis Routines), PedSys. Laboratory biospecimen inventory program - Freezerworks Unlimited (Dataworks Development, Inc., Mountlake Terrace, WA), FreezerPro® Sample Management System (Azenta Life Sciences)