

**A. PERSONAL INFORMATION**

Academic Address: The University of Texas Health Sciences Center at Houston (UTHealth)  
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  
Facsimile: (956) 755-0605

**B. EDUCATION**

<u>Award Date</u>	<u>Institution</u>	<u>Degree</u>	<u>Concentration</u>
March, 2006	Wright State University College of Science & Mathematics Dayton, OH, USA	M.S.	Applied Statistics
December, 2002	University of Pittsburgh Graduate School of Public Health Pittsburgh, PA, USA	Ph.D.	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**

December, 2005	Wright State University Department of Community Health	Postdoctoral	Cardiovascular Epidemiology
----------------	---	--------------	--------------------------------

**C. EMPLOYMENT HISTORY**

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
Jan 2017 – present	Adjunct faculty, Department of Population and Public Health Sciences, Wright State University Boonshoft School of Medicine, Dayton, OH
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

Aug 2016 – Dec 2016	Associate Professor (Primary Appointment), Division of Epidemiology and Biostatistics, Department of Population and Public Health Sciences, Wright State University Boonshoft School of Medicine, Dayton, OH
2012 – 2016	Associate Professor (Primary Appointment), Lifespan Health Research Center, 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

#### **D. RESEARCH & EDUCATIONAL GRANTS**

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

##### **Active Grants (as PI)**

- **R01 DK111201 NIH/NIDDK (09/23/2016-08/31/2021)**  
 “Telomere length dynamics in relation to changes in adiposity and metabolic risk”  
 Co-PIs: Miryoung Lee/Joanne Curran  
 Role: Principal Investigator (contact PI)  
 Total costs: \$2,712,566

##### **Completed Grants (as PI)**

- **Wright State University Seed Grant (Department of Community Health)**  
 (07/01/2010 – 03/31/2014)  
 “Adiposity and ectopic fat depots in relation to cardiometabolic risk in pubertal children; Abdominal MRI pilot study (AMPS)”  
 Total costs: \$20,000
- **Wright State University Proteomic Seed Grant (Boonshoft School of Medicine)**  
 (07/01/2012 – 09/30/2013)  
 “Health outcomes of weight loss”  
 Total costs: \$2,000
- **R01 HD38356 NIH/NICHD, Subcontract to Virginia Commonwealth University (PI: Shumei S.**

Sun)

(12/01/2007 – 06/30/2010)

“Childhood obesity and sexual maturation”

Total costs: \$260,692

- **Boonshoft School of Medicine Seed Grant**

(05/01/2007 – 06/30/2008)

“Oxidative stress in childhood obesity and insulin resistance”

Total costs: \$10,000

- **0665256B American Heart Association, Ohio Affiliate Beginning Grant-in Aid program**

(07/01/2006 – 06/30/2009)

“Genetic analysis of ankle-brachial index and peripheral arterial disease risk”

Total costs; \$121,000

- **0325331B American Heart Association, Postdoctoral Fellowship Grant**

(07/01/2003 - 06/30/2005)

“Oxidized LDL and its role in inflammation and risk for cardiovascular disease”

Total costs: \$76,000

### **Completed Grants (as Co-I)**

- **Bill and Melinda Gates Foundation (07/28/2015-12/31/2016)**

“Quantifying healthy birth, growth and development knowledge integration”

PI: Stefan A. Czerwinski (07/25/2015-08/31/2016) /Audrey Choh (08/31/2016-12/31/2016)

Role: Co-I

Total costs: \$184,917

- **R25HL103168 NIH/NHLBI (06/01/2010-02/28/2017)**

“Short-term Training for Minority Students (STREAMS) program”

PI: Stefan A. Czerwinski

Role: Mentor

Total costs: \$694,440

- **R01 HD012252 NIH/National Institute of Child Health & Human Development (NICHD)**

(07/07/2010 – 06/30/2016)

“Adiposity, disease risk factors, and lifetime health”

PI: Stefan A. Czerwinski

Role: Co-I

Total costs: \$7,358,388

- **R25GM086257 NIH/NIGMS (03/01/2010-02/28/2016)**

“Post-baccalaureate Research Education Program (PREP) Scholars”

PI: Stefan A. Czerwinski

Role: Mentor

Total costs: \$1,247,186

- **R01 AR052147 National Institute of Health (NIH)/National Institute of Arthritis and Musculo-skeletal and Skin (NIAMS) (09/01/2005 – 06/30/2012)**

“Genetic analysis of osteoporosis risk factors”

PI: Stefan A. Czerwinski

Role: Co-I

Total costs: \$2,338,967

- **D54 HP 05465 Health Resources and Services Administration (HRSA) (09/01/2008 – 08/31/2011)**  
“Academic Administrative Units in Primary Care”  
PI: John M. Pascoe (Department of Pediatrics)  
Role: Co-I
- **Children’s Medical Center (CMC) of Dayton, Research Grant (09/01/2007-08/31/2009)**  
“OSCIR (Oxidative stress in childhood insulin resistance)”  
PI: James R. Ebert (Departments of Community Health and Pediatrics)  
Total costs: \$40,000
- **R01 HD012252 NIH/NICHD (12/01/2002 – 11/30/2008)**  
“Adiposity, disease risk factors, and lifetime health”  
PI: Roger M. Siervogel  
Role: Co-I  
Total costs: \$6,038,098

### **Pending Grants**

- **R01 (07/01/2019-06/30/2024)**  
“Pathway to skeletal aging in Mexican Americans with type 2 diabetes”  
Co-PIs: Nahid Rianon (contact PI)/Miryoung Lee  
Role: Co-PI
- **R01 (07/01/2019-06/30/2024)**  
“Lipidomic Variation and Osteoporosis Risk”  
Co-PIs: Stefan A. Czerwinski (Contact PI)/Joanne Curran  
Role: Co-I
- **R01 (07/01/2019-06/30/2024)**  
“Diabetes, hepatic fibrosis, and the association with epigenetic determinants in identifying hepatocellular carcinoma risk”  
Co-PIs: Susan Fisher-Hoch (Contact PI)/Michael Fallon  
Role: Co-I
- **R01DK121350-01 NIH/NIDDK (04/01/2019-03/31/2024)**  
“Lipidomic Correlates of Adiposity”  
Contact PI: Stefan A. Czerwinski  
Role: Co-I
- **R01HD093673-01A1 NIH/NICHD (04/01/2019-03/31/2024) - Resubmission**  
“Genetics of Growth and Development”  
Contact PI: Stefan A. Czerwinski  
Role: Co-I
- **R21AG060458-01A1 NIH/NIA (04/01/2019 – 03/31/2020) - Resubmission**  
“Long-term blood pressure variability over the lifespan and chronic disease risk”

Contact PI: Audrey Choh

Role: Co-I

- **R01MD012567-01 NIH/NIMHD** (04/01/2019 - 03/31/2024) - Resubmission  
“Non-invasive elastographic assessment and comprehensive characterization of liver disease in young adults and children in the Cameron County Hispanic Cohort”  
Contact PI: Joseph B. McCormick  
Role: Co-I
- **R03 CA** (12/01/2018-11/30/2020)  
“Bridges to online cancer health information through eHealth literature training for Latino older adults”  
Contact PI: Enmanuel Chavarria  
Role: Co-I

Non-funded grants to be resubmitted

- **P01 CA217730-01A1, NIH/NCI** (07/01/2018 – 06/30/2023)  
“Modeling the risk of hepatocellular carcinoma in Hispanics”  
Contact PI: Susan P. Fisher-Hoch  
Role: Co-I
- **U of Tx MDACC/CPRIT** (07/01/2018-06/30/2022)  
Modeling the risk of significant liver fibrosis in obesity and diabetes  
Contact PIs: Laura Beretta/Susan P. Fisher-Hoch  
Role: Co-I
- **R21 AG061736-01 NIH/NIA** (09/01/2018-08/31/2020)  
The role of blood pressure variability in future hypertension  
Contact PI: Audrey Choh  
Role: Co-I
- **U01 HL145434-01 NIH/NHLBI** (01/01/2019-12/31/2025)  
“The Hispanic Paradox and Cardiovascular Disease Progression in a Cohort of Low Income Mexican Americans: The Cameron County Hispanic Cohort”  
Contact PIs: Susan P. Fisher-Hoch/Alanna C Morrison  
Role: Co-I

**E. FINANCIAL AWARDS**

- |      |  |
|------|--|
| 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 Grant  |
| 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   |

## **F. PUBLICATIONS**

List of Published Work in MyBibliography: <https://www.ncbi.nlm.nih.gov/sites/myncbi/1xAqPJLZ7bK/bibliography/48138214/public/?sort=date&direction=descending>

### **Articles in Peer Reviewed Journals**

- 2018**
1. 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 (No NIH Funding)
  2. 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 (No NIH Funding)
  3. **Lee M**, Breyer PR, Pascoe JM. Children's age, family conflict and children's HbA1c: Are girls and boys different? *South Med J.* 2018 (In press) Accepted Jul 18. (No NIH Funding)
  4. Lincenberg K, Hood D, Maxwell R, **Lee M**, Lindheim SR. The impact of hysteroscopic intrauterine morcellator systems on histopathologic analysis for benign and cancerous endometrial pathology: An *Ex Vivo* study. *J Obstet Gynaecol India.* 2018 (In press) Accepted Aug 22. (No NIH Funding)
  5. 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
  6. Madeira JL, Rehbein J, Christianson MS, **Lee M**, Parry JP, Pennings G, Lindheim SL. Improving Ovulation Induction-Intrauterine Insemination and In-Vitro Fertilization Informed Consent through the EngagedMD Multimedia Platform. *Fertil Steril.* 2018 (In press) (No NIH Funding)
  7. 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. PMID: 29685494 (No NIH Funding)
  8. 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.* 2018 Jun 11. pii: S1542-3565(18)30599-8. [Epub ahead of print] PMID: 29902644 (No NIH Funding)
  9. 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
- 2017**
10. Johnson W, Choh AC, **Lee M**, Towne B, Czerwinski SA, Demerath EW. Is infant body mass index associated with adulthood body composition trajectories? An exploratory analysis. *Ped Obesity.* 2017;12(1):10-18 doi: 10.1111/ijpo.12100. [Epub

ahead of print] PMID: 26756208

11. **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
12. Orłowski 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>
13. Orłowski 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
14. 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
- 2016** 15. Khalil N, Chen A, **Lee M**, Czerwinski SA, Ebert JR, Dewitt J, Kannan K. Association of perfluoroalkyl 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
16. **Lee M**, Ebert JR, Kadakia MP, Zhang J, Czerwinski SA. Inverse associations between cardiometabolic risk factors and 25-hydroxyvitamin D in obese American children and adolescents. *Am J Hum Bio*. 2016;28(5):736-42. Doi:10.1002/ajhb.22863 PMID:27135761
17. 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.
- 2015** 18. Hill NT, Zhang J, Leonard MK, **Lee M**, Shamma N, Kadakia M.  $1\alpha, 25$ -dihydroxyvitamin D<sub>3</sub> and the Vitamin D receptor regulate  $\Delta Np63\alpha$  levels and keratinocyte proliferation. *Cell Death & Disease*. 2015;6:doi10.1038/cddis.2015.148. PMID: 26068789
- 2014** 19. Choh AC, **Lee M**, Kent JW, Diego VP, Johnson W, Curran JE, Dyer TD, Bellis C, Blangero J, Siervogel RM, Towne B, Demerath EW, Czerwinski SA. Gene-by-age effects on BMI from birth to adulthood: The Fels Longitudinal Study. *Obesity* 2014;22(3):875-881. PMC3883986
20. 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
21. Khalil N, Ebert JR, Wang L, Belcher S, **Lee M**, Czerwinski SA, Kannan K. Bisphenol A and cardiometabolic risk factors in obese children. *Sci Total Environ*. 2014;470-471(1):726-732. PMID: 24184549
- 2013** 22. 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

23. 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
24. 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
- 2012** 25. 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
26. 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 20<sup>th</sup> century: 70 years of data from the Fels Longitudinal Study. *Am J Clin Nut.* 2012; 95:1136-43. PMID: 22418089
27. **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
28. **Lee M**, Choh AC, Demerath EW, Towne B, Siervogel RM, Czerwinski SA. Associations between trunk, leg and total body adiposity with arterial stiffness. *Am J Hypertens.* 2012; 25(10):1131-7. PMC3578479
- 2011** 29. Choh AC, Nahhas RW, **Lee M**, Choi YS, Chumlea WC, Duren DL, Sherwood RJ, Towne B, Siervogel RM, Demerath EW, Czerwinski SA. Secular trends in blood pressure during early to middle adulthood: The Fels Longitudinal Study. *J Hypertens.* 2011; 29(5):838-45. PMID: 21430562
30. Demerath EW, Rogers NL, Reed D, **Lee M**, Choh AC, Siervogel RM, Chumlea WC, Towne B, Czerwinski SA. Significant associations of age, menopausal status, and lifestyle factors with visceral adiposity in African American and European American women. *Ann Hum Biol.* 2011;38(3):247-56. PMC3245972
31. Duren DL, Blangero J, Sherwood RJ, Seselj M, Dyer T, Cole SA, **Lee M**, Choh AC, Chumlea WC, Siervogel RM, Czerwinski SA, Towne B. Cortical bone health shows significant linkage to chromosomes 2p, 3p, and 17q in 10-year-old children. *Bone.* 2011; 49:1213-8. PMID: 21907839
32. **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
33. **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
34. Sherwood RJ, Duren DL, Mahaney MC, Blangero J, Dyer TD, Cole SA, Czerwinski SA, Chumlea WC, Siervogel RM, Choh AC, Nahhas RW, **Lee M**, Towne B. A genome-wide linkage scan for quantitative trait loci influencing the craniofacial complex in humans (*Homo sapiens sapiens*). *Anat Rec (Hoboken).* 2011;294(4):664-75.



PMC3091483

- 2010** 35. Nahhas RW, Choh AC, **Lee M**, Chumlea WC, Sherwood RJ, Duren DL, Towne B, Siervogel RM, Czerwinski SA. Bayesian longitudinal plateau model of adult grip strength. *Am J Hum Biol.* 2010;22:648-56. PMID: 20737612
36. 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. PMID: 20971413
- 2009** 37. 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
38. Chumlea WC, Choh A C, **Lee M**, Towne B, Sherwood RJ, Duren DL, Czerwinski SA, Siervogel RM. The first serial study into old age for weight, stature and BMI: The Fels Longitudinal Study. *J Nutr Health Aging.* 2009;13(1):3-5 PMC2801436
39. Demerath EW, Reed D, Choh AC, Soloway L, **Lee M**, Czerwinski SA, Chumlea WC, Siervogel RM, Towne B. Rapid postnatal weight gain and visceral adiposity in adulthood: The Fels Longitudinal Study. *Obesity (Silver Spring).* 2009;17(11):2060-6. PMC2801420
40. **Lee M**, Choh AC, Demerath E, Knutson KL, Duren DL, Sherwood RJ, Sun SS, Chumlea WC, Towne B, Siervogel RM, Czerwinski SA. Sleep disturbance in relation to health-related quality of life in adults: The Fels Longitudinal Study. *J Nutr Health Aging.* 2009;13(6):576-583. PMC3988690
- 2008** 41. Chumlea WC, Choh AC, **Lee M**, Sherwood RJ, Duren DL, Czerwinski SA, Towne B, Siervogel RM. The Fels Longitudinal Study 80 years. *The Journal of Child Growth and Development (Japan)* 2008;6:174-7
42. Demerath EW, Reed D, Rogers E, Sun SS, **Lee M**, Choh AC, Couch WP, Czerwinski SA, Chumlea WC, Siervogel RM, Towne B. Visceral adiposity and its anatomical distribution as predictors of the metabolic syndrome and cardiometabolic risk factor levels. *Am J Clin Nutr.* 2008;88(5):1263-71. PMC2801420
43. Duren DL, Sherwood RJ, Czerwinski SA, **Lee M**, Choh AC, Siervogel RM, Chumlea WC. Body composition methods: comparisons and interpretation. *J Diabetes Sci Tech.* 2008;2(6):1139-46. PMC2769821
44. Duren DL, Sherwood RJ, Czerwinski SA, Chumlea WC, **Lee M**, Demerath EW, Sun SS, Siervogel RM, Towne B. Genetic architecture of knee radiographic joint space in healthy young adults. *Hum Biol* 2008;80(1):1-9. PMID: 19885303
45. Towne B, Williams KD, Blangero J, Czerwinski SA, Demerath EW, Nahhas RW, Dyer TD, Cole SA, **Lee M**, Choh AC, Duren DL, Sherwood RJ, Chumlea WC, Siervogel RM. Presentation, heritability, and genome-wide linkage analysis of the mid-childhood growth spurt in healthy children from the Fels Longitudinal Study. *Hum Biol.* 2008;80(6):623-636. PMC2801436
- 2007** 46. Czerwinski SA, **Lee M**, Choh AC, Wurzbacher K, Demerath EW, Towne B, Siervogel RM. Genetic factors in physical growth and development and their relationship to subsequent health outcomes. *Am J Hum Biol.* 2007;19:684-691. PMID:17636528
47. Demerath EW, Choh AC, Czerwinski SA, **Lee M**, Sun SS, Chumlea WC, Duren D,

- Sherwood RJ, Blangero J, Towne B, Siervogel RM. Generic and environmental influences on infant weight and weight change: The Fels Longitudinal Study. *Am J Hum Biol.* 2007;19:692-702. PMC2801417
48. Demerath EW, Shen W, Lee M, Choh AC, Czerwinski SA, Siervogel RM, Towne B. Approximation of total visceral adipose tissue with a single magnetic resonance image. *Am J Clin Nutr.* 2007;85:362-8. PMC2883309
49. Demerath EW, Ritter KJ, Couch WA, Rogers NL, Moreno GM, Choh AC, Lee M, Remsberg KE, Czerwinski SA, Chumlea WC, Siervogel RM. Validity of a new automated software program for visceral adipose tissue estimation. *Int J Obes (Lond).* 2007; 31: 285-91. PMC1783906
50. Demerath EW, Sun SS, Rogers N, Lee M, Reed D, Choh AC, Couch W, Czerwinski SA, Chumlea WC, Siervogel RM, Towne B. Anatomical patterning of visceral adipose tissue: race, sex, and age variation. *Obesity (Silver Spring).* 2007;15(12):2984-93. PMC2883307
51. Duren DL, Sherwood RJ, Choh AC, Czerwinski SA, Chumlea WC, Lee M, Sun SS, Demerath EW, Siervogel RM, Towne B. Quantitative genetics of cortical bone mass in healthy 10-year-old children from the Fels Longitudinal Study. *Bone.* 2007;40:464-470. PMC1945206
52. Remsberg KE, Rogers NL, Demerath EW, Czerwinski SA, Choh A, Lee M, Chumlea WC, Sun SS, Towne B, Siervogel R. Sex differences in young adulthood metabolic syndrome and physical activity: The Fels Longitudinal Study. *Am J Hum Biol.* 2007;19:544-50. PMID:17546618
53. Williams KD, Blangero J, Cottom CR, Lawrence S, Choh AC, Czerwinski SA, Lee M, Duren DL, Sherwood RJ, Dyer TD, Subedi J, Jha B, Williams-Blangero S, Towne B. Heritability of brachydactyly type A3 in children, adolescents, and young adults from an endogamous population in eastern Nepal. *Hum Biol.* 2007; 79(6): 609-22. PMID: 18494372
- 2006** 54. Choh AC, Czerwinski SA, Lee M, Demerath EW, Wilson AF, Towne B, Siervogel RM. Quantitative genetic analysis of blood pressure activity to orthostatic tilt using principal component analysis. *J Hum Hypertens.* 2006;20:281-9. PMID:16437129
55. Lee M, Czerwinski SA, Choh AC, Demerath EW, Sun SS, Chumlea WC, Towne B, Siervogel RM. Unique and common genetic effects between bone mineral density and calcaneal quantitative ultrasound measures: The Fels Longitudinal Study. *Osteoporos Int.* 2006;17:865-871. PMID:16541205
56. Lee M, Czerwinski SA, Choh AC, Demerath EW, Sun SS, Chumlea WC, Towne B, Siervogel RM. Quantitative genetic analysis of cellular adhesion molecules: The Fels Longitudinal Study. *Atherosclerosis.* 2006;185:150-158. PMID:16005461
- 2005** 57. Choh AC, Czerwinski SA, Lee M, Demerath EW, Towne B, Cole SA, Siervogel RM. Quantitative genetic analysis of blood pressure response to the cold pressor test. *Am J Hypertens.* 2005;18:1211-1217. PMID:16182112
- 2004** 58. Lee M, Czerwinski SA, Choh AC, Towne B, Demerath EW, Chumlea WC, Sun SS, Siervogel RM. Heritability of calcaneal quantitative ultrasound measures in healthy adults from the Fels Longitudinal Study. *Bone.* 2004;35:1157-63. PMID:15542041
- 2002** **(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

### **Articles under Review**

- 2018**
1. Tobias J, Mitchell B, Streeten E, Cauley J, Robbins J, Styrkarsdottir U, Czerwinski SA, **Lee M**, Demissie S, Hsu Y, Kiel DP, Ackert-Bicknell C, Capellini T, Farber C, Gautvik K, Reppe S, Lorentzon M, Ohlsson C, Harris T, Cummings S, Cheung C, Kung A, Econs M, Peacock M, Evangelou E, Estrada K, Beck T, Akesson K, McGuigan F, Uitterlinden A, Rivadeneira F, Nielson C, Richards B, Spector T, Wilson S. Hip bone geometry reveals genetic variants as disclosed by Meta-analysis of genome-wide association studies (GWAS). *J Bone Miner Res*, (under revision), 2018.
  2. Madeira JL, Christianson MS, **Lee M**, Parry JP, Pennings G, Lindheim SR. Informed and Consent: More than just sign here. *Fertil Steril*. 2018 (Under review) Revision submitted on Aug 14
  3. Luong ETH, Madeira JL, **Lee M**, Parry JP, Provoost V, Pennings G, and Lindheim SR. The fate of supernumerary cryopreserved embryos: Insights into patients' disposition decisions. *Soc Sci Med* 2018 (Under revision) Revision submitted on Sep 18

### **Articles in preparation**

- 2018**
1. Gill C, Vatcheva KP, Rianon N, Smulevitz, Pena J, **Lee M**, McPherson DD, McCormick, Fisher-Hoch S, Laing ST. Association of visceral adipose tissue, metabolic risk factors, and subclinical atherosclerosis among Mexican Americans.

### **Published Book Chapter**

- 2018**
1. Czerwinski SA, Choh AC, **Lee M**. Chapter 2: Growth and Maturation. In: Knoek S & Becker P (eds). *Pediatric Nutrition*. 5<sup>th</sup> ed. Jones & Bartlett Learning. USA. 2018 (in press)
- 2015**
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.

### **Published Abstracts and Meeting Presentations (for last five years only)**

- 2018**
1. Choh AC, **Lee M**, Maestre G, Towne B, Czerwinski SA. The role of childhood BMI on lifetime blood pressure variability. The 35<sup>th</sup> Annual Scientific Meeting of The Obesity Society, 2018, (in press).
  2. Rodriguez J, Fisher-Hoch SP, Watt G, McCormick JB, **Lee M**. A cross-sectional analysis of telomere length in relation to diabetes risk in Mexican Americans. The 35<sup>th</sup> Annual Scientific Meeting of The Obesity Society, 2018, (in press).
  3. Limon VM, **Lee M**, Choh, AC, Czerwinski, SA. Impact of metabolic syndrome on mental health related quality of life and depressive symptoms. The 35<sup>th</sup> Annual Scientific Meeting of The Obesity Society, 2018, (in press).
  4. Smith M, Ho J, MA L, **Lee M**, Czerwinski SA, Glenn T, Cool DR, Stanczyk F, Lindheim SR. Is anti-mullerian hormone (AMH) really just a number? Longitudinal

AMH and its correlation with pubertal milestones. The American Society for Reproductive Medicine (ASRM) 2018 Annual Meeting, 2018 (in press).

- 2017**
5. Coyne K, Luong ETH, Madeira JL, **Lee M**, Jaeger AS, Parry JP, Lindheim SR. The fate of supernumerary cryopreserved embryos: Insights into couple's disposition decisions. American Society for Reproductive Medicine (ASRM) Scientific Congress & Expo. San Antonio, TX; P-506, 2017.
  6. Choh AC, **Lee M**, Gonzalez B, Czerwinski SA. Ectopic fat depots are associated with cardiometabolic risk factors even after adjusting for BMI. The 35<sup>th</sup> Annual Scientific Meeting of The Obesity Society (TOS). National Harbor, MD; T-P-3137, 2017.
  7. Czerwinski SA, Nahhas RW, Roa MO, **Lee M**. Recent secular trends in abdominal adiposity in the Fels Longitudinal Study. The 35<sup>th</sup> Annual Scientific Meeting of The Obesity Society (TOS). National Harbor, MD; T-P-3143, 2017.
  8. **Lee M**, Choh AC, Demerath EW, Czerwinski SA. Low abdominal adiposity and liver fat content as determinants of metabolically healthy obesity. The 35<sup>th</sup> Annual Scientific Meeting of The Obesity Society (TOS). National Harbor, MD; T-P-3140, 2017.
  9. Williams CB, Gahagan S, Motadel K, **Lee M**, Pascoe JM. Parental underestimation of child's weight status and factors associated with underestimation in low-income Mexican-American families. The Annual Meeting of the Society for Developmental and Behavioral Pediatrics (SDBP). Cleveland, OH: 111, 2017
- 2016**
10. **Lee M**, Pascoe JM, Breyer P. Children's age, family conflict and children's HbA1c: Are girls and boys different? Practice-Based Research Network Conference (PBRN) North American Primary Care Research Group 2016 meeting (Poster presentation, Bethesda, MD)
  11. Peterson M J, Czerwinski SA, **Lee M**, Choh A. Antecedent and current predictors of performance-based early frailty in midlife and older age: the Fels Longitudinal Study. *J Frailty Aging*. 2016;5(Suppl 1):41.
  12. Peterson MJ, **Lee M**, Choh A, Czerwinski SA. Cardiorespiratory activity participation and strength mediate the association between biomarkers and functional limitations. *Med Sci Sports Exerc*. 2016;48:487.
  13. Whitaker K. M., **Choh A. C.**, Lee M., Czerwinski S. A. and Demerath E. W. (2016): Sex differences in the rate of visceral adipose tissue accrual during adulthood. *Circulation* 133(Suppl 1):AP289.
- 2015**
14. Bowling N, Choh AC, Blackmore CE, Wurzbacher KA, **Lee M**, Czerwinski SA. The relationships between objective job autonomy and objective health. The 30<sup>th</sup> Annual Conference of the Society for Industrial Organizational Psychology (SIOP) 2015 meeting.
  15. **Lee M**, Pascoe J, Walusimbi F. Parents' perspective: How often do pediatricians discuss weight status when their children are overweight/obese? 2015 Pediatric Academy Societies (PAS) Annual Meeting Abstract Book. 2015:4177.595. (Poster presentation, San Diego, CA)
  16. Peterson M, **Lee M**, Choh AC, Czerwinski SA. Serial Grip Strength in mid-life and body composition in later-life: The Fels Longitudinal Study. *The Gerontologist* 2015;55(Suppl 2):27

- 2014**
17. Bhupinder K, Ebert J, Chen A, **Lee M**, Craker N, Biedenharn A, Khalil N. Association of autism spectrum disorders with secondhand smoke exposure. International Society for Environmental Epidemiology (ISEE) 2014 Meeting. *Environ Health Perspect*; <http://dx.doi.org/10.1289/ehp.isee2014>.
  18. Johnson W, Choh AC, **Lee M**, Odegaard A, Towne B, Czerwinski SA, Demerath EW. Is low infant BMI “protective”? Counterintuitive relationship of infant BMI Z score with later life body composition trajectories. The 32<sup>nd</sup> Annual Scientific Meeting of the Obesity Society. Boston, MA 2014;2014:S587.
- 2013**
19. Castillo Rivera NG, **Lee M**, Choh AC, Wurzbacher KA, Chumlea WC, Czerwinski SA. Physical functioning and grip strength influences on bone health. 2013 Annual Biomedical Research Conference for Minority Students. Nashville, TN.
  20. Choh AC, **Lee M**, Curran JE, Demerath EW, Dyer TD, Bellis C, Siervogel RM, Blangero J, Towne B, Czerwinski SA. Genetic linkage and association of echocardiographic measures in the Fels Longitudinal Study. American Heart Association EPI/NPAM Scientific Session Abstract Book. New Orleans, LA; 2013:292.
  21. Choh AC, **Lee M**, Johnson W, Demerath EW, Towne B, Czerwinski SA. Genetic epidemiology in the Fels Longitudinal Study. 41st Annual Meeting of the Canadian Association for Physical Anthropology. 2013.
  22. Johnson W, Choh AC, **Lee M**, Towne B, Czerwinski SA, Demerath EW. Magnitude and timing of the peak in infant BMI is influenced by both environmental and genetic factors. *Am J Hum Biol*. 2013;25(2):261.
  23. **Lee M**, Choh AC, Curran JE, Demerath EW, Bellis C, Dyer TD, Blangero J, Towne B, Czerwinski SA. Significant associations between genetic variation on chromosome 10p and arterial stiffness in adults from the Fels Longitudinal Study. American Heart Association EPI/NPAM Scientific Session Abstract Book. 2013:157. (Poster presentation, New Orleans, LA)
  24. Towne B, Blangero J, Choh AC, Curran JE, Bellis C, Dyer TD, Demerath EW, **Lee M**, Czerwinski SA. Visceral adiposity linked to chromosome 9p24.2 in adults from the Fels Longitudinal Study. The 63<sup>rd</sup> Annual Meeting of the American Society of Human Genetics, 2013; Boston, MA.

## **G. PROFESSIONAL MEMBERSHIPS**

<u>Dates</u>	<u>Association</u>
2011 – Present	The Obesity Society
2003 – Present	American Heart Association, Council on Epidemiology and Prevention
2014 – Present	International Society of Atherosclerosis

## **H. SERVICE AND ACADEMIC OUTREACH**

### **NATIONAL COMMITTEE**

#### **Pediatric Academy Society (PAS) 2017 Meeting abstract reviewer**

2017 Annual meeting abstract reviewer

#### **NIH/National Heart, Lung, and Blood Institute (NHLBI)**

2009- 2011 Special Emphasis Panel/Scientific Review Group (ZHL1 CSR-Z M1). Pathway to Independence (PI) Award (K99/R00)

## **UNIVERSITY & DEPARTMENTAL COMMITTEE**

### **UTHealth, School of Public Health, EHGES**

2018 Sep - Preliminary Exam Committee member (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

### **Reviewer for Peer Reviewed Journals (2005 – present)**

AGE, American Journal of Hypertension, American Journal of the Medical Sciences, American Journal of 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, Frontiers in Genetics (Editorial Board Member), 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

## **I. TEACHING AND MENTORING**

### **TEACHING INTEREST**

Epidemiology I - IV  
Obesity Epidemiology  
Cardiovascular Disease Epidemiology  
Biostatistics I (Foundations of Biostatistics)  
Biostatistics II (Intermediate Biostatistics)

## TEACHING

### UTHealth, School of Public Health, EHGES

<u>Date</u>	<u>Course</u>	<u>Credits, Semester</u>
2018	PH2710 Epidemiology III	3 credits, Summer Co-teaching (Drs. Waller, Hanson, Lee)

#### Guest lecture

<u>Date</u>	<u>Course</u>	<u>Semester (Instructor)</u>
2017	PH2711 Epidemiology IV (Topic: Mediation Analysis)	Fall (Dr. Kimberly Waller)

### Wright State University BSOM, Dayton Ohio

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

#### 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)

## MENTORING

### UTHealth, School of Public Health, Brownsville

#### Doctoral (PhD/Dr.PH) students

<u>Date</u>	<u>Name</u>	<u>Project</u>	<u>Role</u>
2018 - present	Jessica Rodriguez	Hispanic paradox: Telomere length and aging biomarkers	Advisor
2018 - present	Miriam Martinez, Dr.PH candidate (Health Promotion, and Behavioral Sciences)	Exploring community-based weight loss initiatives, attrition, and motivation	External Reviewer
2017 –	Jessica Peña	DXA estimated visceral adiposity in relation	Co-mentor

2018 to cardiometabolic risk in Mexican Americans

**Master of Public Health (MPH) students**

<u>Date</u>	<u>Name</u>	<u>Project</u>	<u>Role</u>
2017 - 2018	Jessica Rodriguez	Associations between telomere length and non-alcoholic fatty liver disease in Mexican Americans	Thesis-Chair
2017 - 2018	Brandon Gonzalez	Recent secular trends in central obesity in the Fels Longitudinal Study	Thesis co-mentor
2017 - 2018	Victoria Limon	The impact of metabolic syndrome on mental health-related quality of life and the development of depression	Thesis co-mentor
2017	Veronica Medellin, MPH	Percent change in heart-rate for child participants of an obesity prevention program and its association with improvements in parent's physical activity: MEND program	Thesis co-mentor

**Undergraduate Students (Summer Institute for South Texas Public Health Research)**

<u>Date</u>	<u>Names &amp; Institution</u>	<u>Project Title</u>	<u>Role</u>
2018	Yash Motwani (The University of Texas at Austin)	The predictive ability of diet in regards to visceral adiposity	Co-mentor
2017	Roma Bhandarkar (The University of Texas at Austin )	Association between sleep quality and metabolic conditions	Co-mentor
	Umer Jalil (The University of Texas Rio Grande Valley)	Associations between telomere length and self-reported mental health	Co-mentor

**Wright State University BSOM, Dayton Ohio**

**Post-doctoral Fellows (Wright State University)**

<u>Date</u>	<u>Name</u>	<u>Project</u>	<u>Role</u>
2008- 2010	Dr. Naila Khalil	Sex differences in the protective role of HDL-C in subclinical atherosclerosis	Co-mentor
2007-2009	Dr. Kimberly D. Williams	A genome-wide linkage analysis of heel quantitative ultrasound: The Southwest Ohio Family Study	Co-mentor

**Ph.D. Dissertation Committee (Union Institute & University, Cincinnati, OH)**

<u>Date</u>	<u>Names</u>	<u>Thesis</u>	<u>Role</u>
2007-2009	Shayesteh P. Lyons	Retrospective cohort epidemiology study of diabetes and infection in older population	Member (Adjunct)



**Master of Public Health (MPH) Culminating Experience Committee** (Wright State University)

<u>Date</u>	<u>Names</u>	<u>Project</u>	<u>Role</u>
2014-2015	Florence Sara Walusimbi	Accurate Parental perception as a Milestone in Managing Childhood Obesity: NHANES 2011-2012 (Graduate Student Excellence Award)	Chair
2012-2013	Betty Jean Cheney	Adolescents, Obesity, and Motivational Interviewing	Co-chair
2011	Leah K. Sabato	Prevalence of metabolic abnormalities in children with varying degrees of obesity	Member

**GRAD-PREP Biomedical Graduate Preparation Program** (Wright State University)

<u>Date</u>	<u>Names</u>	<u>Project</u>	<u>Role</u>
2011-2012	Elizabeth Alvarez	Aging related body composition changes: Bone and muscle	Co-mentor

**Undergraduate Students** (Short Term Research Experience Access for Minority Students (STREAMS) program NIH R25HL103168, Wright State University BSOM)

<u>Date</u>	<u>Names &amp; Institution</u>	<u>Project Title</u>	<u>Role</u>
2015	Paloma R. Wiggins (Smith College )	Grip strength across the menopausal transition ( <u>Poster competition, 3<sup>rd</sup> prize</u> )	Co-mentor
	Tevin M. Dorsey (North Carolina A&T State University)	Sex-specific influence of grip strength on future diabetes risk	Co-mentor
2014	Nelson G Castillo Rivera (University of Puerto Rico-Recinto)	Predictors of poor physical function in middle and old-aged people	Co-mentor
2013	Darian Vernon (University of South Carolina)	Do insulin markers and muscle strength predict osteoporosis development later in life?	Co-mentor
	Nelson G Castillo Rivera (University of Puerto Rico-Recinto)	Physical functioning and grip strength influences on bone health ( <u>Poster competition 2<sup>nd</sup> prize</u> )	Co-mentor
2012	Katherine Smale (Wright State University)	Is metabolic syndrome correlated to pulse wave velocity? ( <u>Poster competition 3<sup>rd</sup> prize</u> )	Mentor
	Raquel Chambers (California State University Sacramento)	Are alanine aminotransferase levels linked to metabolic syndrome in children?	Mentor
2009	Brittany Thompson (Chowan University)	Actual Project – Validity of the physical activity questionnaire in the Fels Longitudinal Study	Mentor

2008	Lauren E. Biekman (Vanderbilt University)	Peripheral arterial disease – ankle-brachial index and its relationship with cardiovascular risk factors	Mentor
2006	Jessica Chavez-Reyes (University of Texas at Brownsville)	Body composition analysis – reliability and validity of different techniques	Co-mentor
2005	Afton Jackson (Alcorn State University)	Relationship between lower extremity skeletal muscle mass and muscle strength	Co-mentor
2004	Obianuju Rita Mbamalu (Vanderbilt University)	Periodontal disease and lipid levels in the Fels Longitudinal Study	Co-mentor

**J. 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”

**K. CERTIFICATION**

2014-present CPR – Adults and infants  
2016-present Certified in Public Health (CPH) by National Board of Public Health Examiners

**L. RESEARCH SKILLS**

Statistical Programs: SAS®, IBM SPSS statistics, R ([www.r-project.org](http://www.r-project.org)), Unix-based genetic analysis software - SOLAR (Sequential Oligogenic Linkage Analysis Routines), PedSys, Laboratory biospecimen inventory program - Freezerworks Unlimited (Dataworks Development, Inc., Mountlake Terrace, WA)

**M. RESEARCH INTERESTS**

My general areas of research interest include understanding the inter-relationships of genetic factors and biomarkers including inflammatory risk factors with common complex traits such as obesity, type 2 diabetes mellitus, and cardiovascular disease. Currently, I focus on 1) metabolic and genetic pathways linked to telomere length shortening and cell senescence, 2) type 2 diabetes and obesity in association with non-alcoholic fatty liver diseases in Mexican American children and adults, and 3) parental perceptions in managing childhood obesity.