

CURRICULUM VITAE

STEFAN A. CZERWINSKI

(October 3, 2017)

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ACADEMIC APPOINTMENTS

Current position

Sep. 1, 2016-pres. Department of Epidemiology, Human Genetics, and Environmental Sciences,
University of Texas Health Science Center at Houston School of Public Health,
Brownsville, TX.
Professor

Previous positions and ranks

Jul. 2016-Aug. 2016 Division of Epidemiology and Biostatistics,
Department of Population and Public Health Sciences
Wright State University Boonshoft School of Medicine, Dayton, OH.
Director, Division of Epidemiology and Biostatistics

Mar. 2015-Jul. 2016 Lifespan Health Research Center, Department of Community Health,
Wright State University Boonshoft School of Medicine, Dayton, OH.
Director, Lifespan Health Research Center

Jul. 2012-Sep. 2016 Lifespan Health Research Center, Department of Community Health,
Wright State University Boonshoft School of Medicine, Dayton, OH.
Professor of Community Health

Jul. 2011-Mar. 2015 Lifespan Health Research Center, Department of Community Health,
Division of Epidemiology
Wright State University Boonshoft School of Medicine, Dayton, OH.
Director, Division of Epidemiology

Jun, 2007-Jun. 2011 Lifespan Health Research Center, Department of Community Health,
Wright State University Boonshoft School of Medicine, Dayton, OH.
Associate Director, Lifespan Health Research Center

Jul. 2006-Jun. 2012 Lifespan Health Research Center, Department of Community Health,
Wright State University Boonshoft School of Medicine, Dayton, OH.
Associate Professor of Community Health

Jul. 2001-Jun. 2006 Lifespan Health Research Center, Department of Community Health,
Wright State University School of Medicine, Dayton, OH.
Assistant Professor of Community Health

- Oct. 1999-Jun. 2001 Lifespan Health Research Center, Department of Community Health,
Wright State University School of Medicine, Dayton, OH.
Postdoctoral Research Associate
- Oct. 1999-Jun. 2001 Department of Genetics, Southwest Foundation for Biomedical Research
San Antonio, TX.
Adjunct Postdoctoral Scientist
- Dec. 1997-Oct. 1999 Department of Genetics, Southwest Foundation for Biomedical Research,
San Antonio, TX.
Postdoctoral Scientist
- Apr. 1997-Dec. 1997 Department of Anthropology, University at Albany, Albany, NY.
Research Associate
- Jul. 1996-Jul. 1997 Department of Epidemiology, School of Public Health, University at Albany,
Albany, NY.
Consultant: Multi-disciplinary Study of PCBs at Akwesasne
(funded by US Superfund, DO Carpenter, P.I.).
- Mar. 1996-Mar. 1997 New York State Department of Health, Center for Environmental Health,
Albany, NY.
Research Scientist I (Epidemiology)
Bureau of Environmental and Occupational Epidemiology
- Jul. 1992-Mar. 1996 Department of Anthropology, University at Albany, Albany, NY.
Research Assistant: Albany Pregnancy/Infancy Lead Study
(funded by National Institute of Environmental Health Sciences, LM Schell PI).

EDUCATION

- Dec. 1997-Oct. 1999 Southwest Foundation for Biomedical Research, San Antonio, TX.

Postdoctoral Training: Department of Genetics, Population Genetics Laboratory
Genetic Epidemiology/Statistical Genetics: M.C. Mahaney, J. Blangero.
- May 1998 State University of New York at Albany, Albany, NY.
Ph.D. Biological Anthropology / Human Biology
Dissertation Committee: L.M. Schell (chair), A.D. Stark, T.B. Gage, R.G. Wilkinson.
Ph.D. Dissertation: Determinants of blood lead levels in socioeconomically disadvantaged children from birth to two years.
- Dec. 1992 Master of Arts in Biological Anthropology / Human Biology
Master's Committee: L.M. Schell (chair), F.C. Lees.
Master's Thesis: Maternal morphology and neonatal blood lead levels.
- May 1990 State University of New York at Binghamton, Binghamton, NY.
Bachelor of Arts in Anthropology
 - New York State Regents Scholar
 - European Exchange Program: Trent University, Nottingham, U.K.

GRANTS AND CONTRACTS

NIH total awards: \$10,136,367 as PD/PI; \$18,356,949 as Co-I; (\$28,493,316 as PD/PI and Co-I)

Current

1. R01-DK11120 - National Institute of Diabetes and Digestive and Kidney Diseases, “Telomere Length Dynamics in Relation to Changes in Adiposity and Metabolic Risk.” Total costs: \$2,977,046; (9/23/2016 – 08/31/2021): PI: M Lee/ JE Curran; Co-I: SA Czerwinski

Past

2. Bill and Melinda Gates Foundation, “Quantifying healthy birth, growth and development knowledge integration,” Total costs: \$184,917; (07/28/2015 - 08/31/2016): PI: SA Czerwinski; (09/01/2016 – 12/31/2016): Co-I: SA Czerwinski.
3. R25-HL103168 – National Heart, Lung, and Blood Institute, “Short-term training for minority students program.” Total costs: \$694,440; (06/01/2010 - 02/28/2017): PI: SA Czerwinski (Mentor: 06/01/2010 – 02/28/2014).
4. R01-HD12252 - National Institute of Child Health and Human Development, “Adiposity, disease risk factors, and lifetime health.” Total costs: \$7,358,388; (07/06/2010 – 06/30/2016): PI: SA Czerwinski.
5. R25-GM086257 – National Institute for General Medical Sciences, “PREP scholars.” Total costs: \$1,247,186; (03/01/2010 – 2/28/2016): PI: SA Czerwinski (Mentor: 03/01/2010 – 02/28/2015).
6. R01-AR055632 - National Institute of Arthritis and Musculoskeletal and Skin Diseases, “Genetics of bone structure and metabolism” (Subcontract with the Southwest Foundation for Biomedical Research, PI: MC Mahaney). Total costs: \$340,638; (09/25/2009- 07/31/2014): PI: B Towne; Co-I: SA Czerwinski.
7. Wright State University Seed Grant, “Job demands as moderators of the relationship between physical activity and health.” Total costs: \$12,500; (07/01/2013 - 6/30/2014): PI: AC Choh; Co-I: SA Czerwinski.
8. Wright State University Proteomic Seed Grant, “Health outcomes of weight loss.” Total costs: \$2,000; (07/01/2012-06/30/2013): PI: M Lee; Co-I: SA Czerwinski.
9. Wright State University Community Health Grant, “Feasibility study for cerebro-vascular health assessment.” Total costs: \$30,000; (01/15/2011-12/31/2013): PI: AC Choh; Co-I: SA Czerwinski.
10. Wright State University Community Health Grant, “Abdominal MRI pilot study (AMPS).” Total costs: \$20,000; (7/1/2010-12/31/2013): PI: M Lee; Co-I: SA Czerwinski.
11. American Heart Association, National Clinical Research Program, “The interplay of gender, insulin resistance and adiposity on endothelial function among African Americans.” Total costs: N/A; (01/01/2011 – 12/31/2012): PI: Srividya Kidambi (Medical College of Wisconsin); Consultant: SA Czerwinski.
12. R01-HD053685 – National Institute of Child Health and Human Development, “The genetics of infant growth and later obesity.” Total costs: \$1,877,469; (09/26/2006-07/31/2012): PI: EW

Demerath: Co-I: SA Czerwinski.

13. R01-AR052147 – National Institute of Arthritis and Musculoskeletal and Skin Diseases, “Genetic analysis of osteoporosis risk factors.” Total costs: \$2,338,967; (09/01/2005-06/30/2012): PI: SA Czerwinski.
14. R01-HD12252 – National Institute of Child Health and Human Development, “Adiposity, disease risk factors, and lifetime health.” Total costs: \$6,038,098; (12/01/2004-07/01/2010): PI: RM Siervogel; Co-I: SA Czerwinski.
15. Wright State University Research Challenge/Major Collaboration Grant, “MR imaging of the human body.” Total costs: \$50,000; (03/01/2009 - 06/30/2010): PI: R Sherwood; Co-I: SA Czerwinski.
16. Children's Medical Center (CMC) of Dayton Research Grant, “Oxidative stress in childhood insulin resistance.” Total costs: \$40,000; (09/2007 - 08/2009): PI: J Ebert; Co-I: M Lee, SA Czerwinski.
17. R01-DK064870 – National Institute of Diabetes and Digestive and Kidney Diseases, “Visceral adiposity: genetic and environmental influences.” Total costs: \$1,656,488; (08/01/2003-07/31/2009): PI (08/01/2007-07/31/2009), Co-I (08/01/2003-07/31/2007), SA Czerwinski.
18. 0665256B – American Heart Association (AHA), Beginning Grant-In-Aid, “Genetic analysis of ankle-brachial index and peripheral arterial disease risk.” Total costs: \$121,000; (07/01/06-06/30/09): PI: M Lee; Co-I: SA Czerwinski.
19. R01-HL69995 – National Heart, Lung, and Blood Institute, “Genetic epidemiology of CVD risk factors.” Total costs: \$4,711,501; (12/01/2002-11/30/2008): PI: RM Siervogel; Co-I: SA Czerwinski.
20. Wright State University Seed Grant, “Oxidative stress in childhood obesity and insulin resistance.” Total costs: \$10,000: (05/01/2007-04/30/2008): PI: M Lee; Co-I: SA Czerwinski.
21. Ohio Commission on Minority Health, “Drew diabetes education program” (Subcontract with Combined Health District of Montgomery County). Total costs: \$74,000: (10/01/2004-09/30/2006): PI: SA Czerwinski.
22. Wright State University Seed Grant, “Muscle strength assessment in the Fels Longitudinal Study.” Total costs: \$10,000; (05/01/2005-04/30/2006): PI: SA Czerwinski.
23. R01-AG18719 – National Institute of Aging, “Genetic epidemiology of aging and body composition.” Total costs: \$1,096,347; (07/01/2000-02/28/2004): PI: B Towne; Co-I: SA Czerwinski.
24. R01-HD12252 – National Institute of Child Health and Human Development, “Subcutaneous fat, blood lipids and subsequent outcome.” Total costs: \$6,436,996; (12/01/98-11/30/03): PI: RM Siervogel; Co-I: SA Czerwinski.
25. Wright State University Research Challenge, “Southwest Ohio Family Study collaborative research partnership.” Total costs: \$70,026; (05/01/2002-06/30/2003): PI: RM Siervogel; Co-I: SA Czerwinski.
26. R03-AG20808 – National Institute of Aging, “Genetic epidemiology of bone turnover markers.” Total costs: \$71,500: (04/15/2002-03/31/2003): PI: SA Czerwinski.
27. American Heart Association Postdoctoral Fellowship (Ohio Affiliate), “Genetics of age-related changes in lipids and lipoproteins during childhood.” Total costs: \$35,000; (07/01/2000-06/30/2001): PI: SA Czerwinski.

28. Southwest Foundation for Biomedical Research Forum, “Genetic analysis of bone formation phenotypes in pedigreed baboons.” Total costs: \$14,600; (12/01/1998-11/30/1999): PI: SA Czerwinski.
29. National Institute on Alcohol Abuse and Alcoholism, “Travel scholarship: Genetic Analysis Workshop 11, Archachon, France.” Total award: \$500; (09/1998): PI: SA Czerwinski.

PUBLICATIONS

Peer-reviewed journal articles

Publications with “” denote publications with postdoctoral scientists, masters level staff, students, or junior faculty as first author.*

1. 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*, (under review), 2017.
2. Chu AY, Deng X, Fisher VA, Drong A, Zhang Y, Feitosa MF, Liu CT, Weeks O, Choh AC, Duan Q, Dyer TD, Eicher JD, Guo X, Heard-Costa NL, Kacprowski T, Kent JW, Jr., Lange LA, Liu X, Lohman K, Lu L, Mahajan A, O’Connell JR, Parihar A, Peralta JM, Smith AV, Zhang Y, Homuth G, Kissebah AH, Kullberg J, Laqua R, Launer LJ, Nauck M, Olivier M, Peyser PA, Terry JG, Wojczynski MK, Yao J, Bielak LF, Blangero J, Borecki IB, Bowden DW, Carr JJ, Czerwinski SA, Ding J, Friedrich N, Gudnason V, Harris TB, Ingelsson E, Johnson AD, Kardia SL, Langefeld CD, Lind L, Liu Y, Mitchell BD, Morris AP, Mosley TH, Jr., Rotter JI, Shuldiner AR, Towne B, Volzke H, Wallaschofski H, Wilson JG, Allison M, Lindgren CM, Goessling W, Cupples LA, Steinhauser ML, Fox CS. Multiethnic genome-wide meta-analysis of ectopic fat depots identifies loci associated with adipocyte development and differentiation. *Nat Genet*: 49(1): 125-130, 2017.
3. 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. *Pediatr Obes*: 12(1):10-18, 2017. doi:10.1111/ijpo.12100.
4. *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*: 3(2): 127-133, 2017. doi:10.1002/osp4.90.
5. *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)*: 40(8): 1278-1285, 2016.
6. Lee M, Ebert JR, Kadakia M, Zhang J, Czerwinski SA. Inverse associations between cardiometabolic risk factors and 25-hydroxyvitamin D in obese American children and adolescents. *Am J Hum Bio*: 28 (5):736-742, 2016.
7. Lu Y, Day FR, Gustafsson S, Buchkovich ML, Na J, Bataille V, Cousminer DL, Dastani Z, Drong AW, Esko T, Evans DM, Falchi M, Feitosa MF, Ferreira T, Hedman AK, Haring R, Hysi PG, Iles MM, Justice AE, Kanoni S, Lagou V, Li R, Li X, Locke A, Lu C, Magi R, Perry JRB, Pers TH, Qi Q, Sanna M, Schmidt EM, Scott WR, Shungin D, Teumer A, Vinkhuyzen AAE, Walker RW, Westra H-J, Zhang M, Zhang W, Zhao JH, Zhu Z, Afzal U, Ahluwalia TS, Bakker

- SJL, Bellis C, Bonnefond A, Borodulin K, Buchman AS, Cederholm T, Choh AC, Czerwinski SA, Towne B, et al. New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nat Commun*: 7:10495, 2016.
8. Malina RM, Choh AC, Czerwinski SA, Chumlea WC. Validation of maturity offset in the Fels Longitudinal Study. *Pediatr Exer Sci*:28(3):439-455, 2016.
 9. 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. *Env Health Perspect*:124(1):81-87, 2016.
 10. von Hippel PT, Nahhas RW, Czerwinski SA. How much do children's body mass indices change over intervals of 6-12 months? Statistics from before and after the obesity epidemic. *Pediatr Obes*: 10(6):468-475, 2015.
 11. Choh AC, Lee M, Johnson W, Curran JE, Dyer TD, Bellis C, Blangero J, Siervogel R, Towne B, Demerath EW, Czerwinski SA. Gene-by-age effects on BMI from birth to adulthood: The Fels Longitudinal Study. *Obesity (Silver Spring)*: 22(3) 875-881, 2014.
 12. 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*: 470-471(1):726-732, 2014.
 13. Demerath EW, Choh AC, Johnson W, Curran JE, Lee M, Bellis C, Dyer T, Czerwinski SA, Blangero J, Towne B. The positive association of obesity variants with adulthood adiposity strengthens over an 80-year period: a gene-by-birth interaction. *Hum Hered*: 75 (2-4):175-185, 2013.
 14. *Graff M, Ngwa JS, Workalemahu T, Homuth G, Schipt S, Teumer A, Volzke H, Wallaschofski H, Abecasis GR, Lakatta E, Francesco C, Sanna S, Scheet P, Schlessinger D, Sidore C, Xiao X, Wang Z, Chanock SJ, Jacobs KB, Hayes RB, Hu F, VanDam RM, Crout RJ, Marazita ML, Shaffer JR, Atwood LD, Fox CS, Heard-Costa NL, White C, Choh AC, Czerwinski SA, Demerath EW, Dyer TD, Towne B, Amin N, Oostra BA, vanDuijn CM, Zilikens NC, Esko T, Nelis M, Nikopensius T, Metspalu A, Strachen DP, Monda K, Qi L, North KE, Cupples A, Gordon-Larsen P, Berndt S. Genome-wide analysis of BMI in adolescents and young adults reveals additional insight into the effects of genetic loci over the life course. *Hum Molec Genet*: 22(17):3597-3607, 2013.
 15. *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 Biol*: 25(5):581-585, 2013.
 16. *Odegaard AO, Choh AC, Nahhas RW, Towne B, Czerwinski SA, Demerath EW. Systematic examination of infant size and growth metrics as risk factors for overweight in young adulthood. *PLoS One*: 8(6):e66994, 2013.
 17. *Linabery AM, Nahhas RW, Johnson W, Choh AC, Towne B, Odegaard AO, Czerwinski SA, Demerath EW. Stronger influence of maternal than paternal obesity on infant and early childhood body mass index: The Fels Longitudinal Study. *Pediatr Obes*: 8(3):159-169, 2013.
 18. *Johnson W, Choh AC, Lee M, Chumlea WC, Siervogel R, Czerwinski SA, Demerath EW. Characterization of the peak in BMI during infancy: secular trends, associations with concurrent adiposity, and heritability. *Am J Hum Biol*: 25(3):378-388, 2013.
 19. *Johnson W, Chumlea WC, Czerwinski SA, Demerath EW. Secular trends in the fat and fat-free components of body mass index in children aged 8-18 years born 1958-1995. *Ann Hum Biol*: 40(1):107-110, 2013.

20. *Johnson W, Choh AC, Curran JE, Czerwinski SA, Bellis C, Dyer TD, Blangero J, Towne B, Demerath EW. Genetic risk for earlier menarche also influences peripubertal body mass index. *Am J Phys Anthropol*: 150(1):10-20, 2013.
21. Koller DL, Zheng H, Karasik D, Yerges-Armstrong L, Liu C, McGuigan F, Kemp J, Giroux S, Lai D, Edenberg H, Peacock M, Czerwinski SA, Choh AC, McMahon G, StPourcain B, Timpson N, Lawlor D, Evans D, Towne B, Blangero J, Carless M, Kammerer CM, Golzman D, Kovacs C, Prior J, Spector T, Rousseau F, Tobias J, Akesson K, Econs MJ, Mitchell BD, Richards J, Kiel DP, Foroud T. Meta-analysis of genome-wide studies identifies WNT16 and ESR1 associated with bone mineral density in premenopausal women. *J Bone Miner Res*: 28(3):547-558, 2013.
22. Chumlea WC, Choh AC, Lee M, Towne B, Duren CM, Siervogel R, Czerwinski SA. Maintaining function with aging what we have learned from the Fels Longitudinal Study. *J Frailty Aging*: 1(2):50-51, 2012.
23. *Johnson W, Chumlea WC, Czerwinski SA, Demerath EW. Concordance of the recently published body adiposity index with measured body fat percent in European-American adults. *Obesity*: 20(4):900-903, 2012.
24. Lee M, Choh AC, Demerath EW, Towne B, Siervogel RM, Czerwinski SA. Associations between regional and total body adiposity with arterial stiffness. *Am J Hypertens*: 24(10):1131-1137, 2012.
25. *Johnson W, Soloway LE, 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 Nutr*: 95(5):1136-1143, 2012.
26. *Williams K, Nahhas RW, Cottom C, Lawrence S, Subedi J, Czerwinski SA, Blangero J, Williams-Blangero S, Towne B. Evaluation of qualitative methods for phenotyping Brachymesophalangia –V from radiographs of children. *Am J Hum Biol*: 24(1): 69-73, 2012.
27. *Johnson W, Stovitz SD, Choh AC, Czerwinski SA, Towne B, Demerath EW. Patterns of linear growth and skeletal maturation from birth to 18 years of age in overweight young adults. *Int J Obes*: 36(4):535-541, 2012.
28. *Johnson W, Choh AC, Soloway LE, Czerwinski SA, Towne B, Demerath EW. Eighty year trends in infant weight and length growth: the Fels Longitudinal Study. *J Pediatr*: 160(5):762-768, 2012.
29. *Lee M, Choh A, Williams KD, Schroeder VM, Dyer T, Blangero J, Cole SA, Chumlea WC, Duren D, Sherwood RJ, Siervogel RM, Towne B, Czerwinski SA. Genome-wide linkage scan for quantitative trait loci underlying normal variation in heel bone ultrasound measures. *J Nutr Health Aging*: 16(1): 8-13, 2012.
30. *Odegaard AO, Choh AC, Czerwinski SA, Towne B, Demerath EW. Sugar-sweetened and diet beverages in relation to visceral adipose tissue. *Obesity*: 20(3): 689-691, 2012.
31. *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 adulthood: The Fels Longitudinal Study. *J Hypertens*: 29(5): 838-845, 2011.
32. *Lee M, Nahhas RW, Choh AC, Demerath EW, Duren DL, Chumlea WC, Sherwood RJ, Towne B, Siervogel RM, Czerwinski SA. Longitudinal changes in calcaneal quantitative ultrasound measures during childhood. *Osteoporos Int*: 22(8): 2295-2305, 2011.

33. 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*: 49(6): 1213-1218, 2011.
34. *Choh AC, Curran JE, Odegaard AO, Czerwinski SA, Towne B, Blangero J, Demerath EW. Differences in the heritability of growth and growth velocity during infancy and associations with FTO variants. *Obesity*: 19(9):1847-1854, 2011.
35. Demerath EW, Rogers NR, 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*: 38(3): 247-256, 2011.
36. 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*). *Anat Rec*: 294(4): 664-675, 2011.
37. *Nahhas RW, Choh AC, Lee M, Chumlea WC, Duren DL, Siervogel RM, Sherwood RJ, Towne B, Czerwinski SA. Bayesian longitudinal model of adult grip strength with multiple unknown change-points, time-varying covariates, and missing data. *Am J Hum Biol*: 22(5):648-656, 2010.
38. *Lee M, Choh AC, Demerath EW, 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*: 13(6): 576-583, 2009.
39. Demerath EW, Reed D, Choh A, Soloway L, Lee M, Czerwinski SA, Chumlea WC, Siervogel RM and Towne B. Rapid postnatal weight gain and visceral adiposity in adulthood: The Fels longitudinal Study. *Obesity*: 17(11):2060-2066, 2009.
40. Chumlea WC, Choh AC, Lee M, Towne B, Sherwood RJ, Duren DL, Czerwinski SA, and Siervogel RM. The first seriatim study into old age for weight, stature and BMI: The Fels Longitudinal Study. *J Nutr Health Aging*: 13: 3-5, 2009.
41. *Choh AC, Demerath EW, Lee M, Towne B, Siervogel RM, Cole SA, Czerwinski SA. Genetic analysis of self-reported physical activity and adiposity: The Southwest Ohio Family Study. *Public Health Nutr*. 12 (8): 1052-1060, 2009.
42. Towne B, Williams KD, Blangero J, Czerwinski SA, Demerath EW, 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*: 80(6): 623-626, 2008.
43. Chumlea WC, Choh A, Lee M, Sherwood RJ, Duren DL, Czerwinski SA, Towne B and Siervogel RM. The Fels Longitudinal Study 80 Years. *The Journal of Child Growth and Development (Japan)*: 6: 174-177, 2008.
44. Duren DL, Sherwood RJ, Czerwinski SA, Lee M, Choh AC, Siervogel RM, and Chumlea WC. Body composition methods: Comparisons and interpretation. *J Diabetes Sci Technol*: 2 (6): 1139-1146, 2008.
45. Demerath EW, Reed D, Rogers NL, 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*: 88: 1263-1271, 2008.

46. Rolland Y, Czerwinski SA, Abellan G, Morley J, Cesari M, Onder G, Woo J, Baumgartner RN, Pillard F, Boirie Y, Chumlea WC, Vellas B. Sarcopenia: Its assessment, etiology, pathogenesis, consequences and future perspectives. *J Nutr Health Aging*: 12(7):433-450, 2008.
47. Sherwood RJ, Duren DL, Demerath EW, Czerwinski SA, Siervogel RM, Towne B. Quantitative genetics of modern human craniofacial variation: implications for the interpretation of the hominin fossil record. *J Hum Evol*: 54:909-914, 2008.
48. 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*: 80(1):1-9, 2008.
49. Demerath EW, Sun SS, Rogers NL, Lee M, Reed D, Choh AC, Couch WP, Czerwinski SA, Siervogel RM, Towne B. Anatomical patterning of visceral adipose tissue: Race, sex, and age variation. *Obesity*: 15(12):2984-2993, 2007.
50. 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*: 19:684-691, 2007.
51. Demerath EW, Choh AC, Czerwinski SA, Lee M, Sun SS, Chumlea WC, Duren DL, Sherwood RJ, Blangero J, Towne B, Siervogel RM. Genetic and environmental influences on infant weight and weight change: The Fels Longitudinal Study. *Am J Hum Biol*: 19:692-702, 2007.
52. *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. *Human Biol*: 79:609-622, 2007.
53. *Remsberg KE, Rogers NL, Demerath EW, Czerwinski SA, Wu R, Choh AC, Lee M, Chumlea WC, Sun SS, Towne B, Siervogel RM. Sex differences in young adulthood Metabolic Syndrome and physical activity: The Fels Longitudinal Study. *Am J Hum Biol*: 19: 544-550, 2007.
54. Demerath EW, Wei S, 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*: 85:362-8, 2007.
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Invited presentations

1. Czerwinski SA. Etiology of sarcopenic obesity from a longitudinal perspective. Presented at the International Conference on Sarcopenia Research, International Association of Gerontology and Geriatrics, Orlando, FL, December 2012.
2. Czerwinski SA. Gene discovery in the Fels Longitudinal Study. Presented at the Application of Genomics to Anthropological Research Workshop, American Association of Anthropological Genetics (AAAG), San Antonio, TX, January, 2012.
3. Czerwinski SA. Creating shared value in biomedical imaging: Sector-crossing partnerships. Presented at the Invitational for Biomedical Imaging in Greater Dayton, Engineer's Club of Dayton, Dayton, OH, September, 2011.
4. Czerwinski SA, Nahhas RW, Chumlea WC, Choh AC, Lee M. Body composition over the lifespan. *Am J Phys Anthropol*: 144(S52): 119, 2011. Presented in symposium "Growth of a species, an association, a science: 80 years of growth and development research" for the Annual Meeting of the American Association of Physical Anthropologists, Minneapolis, MN, March 2011.
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Published abstracts

1. Choh AC, Lee M., Gonzalez B., & Czerwinski SA. Ectopic fat depots are associated with cardiometabolic risk factors even after adjusting for BMI. The Obesity Society Annual Meeting, 2017, (in press).
2. Czerwinski SA, Nahhas RW, Roa MO, Choh AC, & Lee M. Recent secular trends in abdominal adiposity in the Fels Longitudinal Study. The Obesity Society Annual Meeting 2017, (in press).
3. Lee M, Choh AC, Demerath EW, Czerwinski SA. Low abdominal adiposity and liver fat content as determinants of metabolically healthy obesity. The Obesity Society Annual Meeting 2017, (in press).
4. 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: Fels Longitudinal Study. 10th World Congress on Development Origins of Health and Disease, 2017, (in press).
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15. 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. New Orleans, LA; 157, 2013.
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189. Czerwinski SA, Mahaney MC, Blangero J, Rogers J. Do genes for body weight also influence bone mineral density? *Am J Phys Anthropol*: S28:114, 1999.
190. Mahaney MC, Czerwinski SA, Newman DE, Snider CL. Genetic and environmental contributions to hematological variation in pedigreed baboons. *Am J Phys Anthropol*: S28:188-9, 1999.
191. Czerwinski SA, Schell LM, Stark AD. Diet and lifestyle factors during pregnancy among socioeconomically disadvantaged urban women. *Am J Hum Biol*: 11(1), 1999.
192. Rogers J, Mahaney MC, Czerwinski SA, Morin PA, Joslin G. Genetic studies of osteoporosis: New linkage analyses in pedigreed baboons. Published in the program for the 11th International Workshop on Calcified Tissues.
193. Czerwinski SA, Mahaney MC, Blangero J, Newberg AH, Newman JS, Kahn A, Rogers J. Genetic correlation between serum IGF-1 levels and diffuse idiopathic skeletal hyperostosis (DISH) in pedigreed baboons. *Bone*: 23(S5): S281, 1998.
194. Mahaney MC, Czerwinski SA, Blangero J, Rogers J. Genetic effects on serum levels of human cartilage glycoprotein-39 (YKL-40) in a pedigreed baboon model for age-related changes and pathology in bone. *Bone*: 23(S5): S556, 1998.
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196. Mahaney MC, Czerwinski SA, Wang XL, Blangero J, MacCluer JW. Why genes for nitric oxide may not show linkage to blood pressure. *Circulation*: 98(17): I5, 1998.
197. Czerwinski SA, Mahaney MC, Williams JT, Almasy L, Blangero J. Genetic analysis of personality traits and alcoholism using a mixed discrete-continuous trait variance component model. Published in the program for the Genetic Analysis Workshop 11, 1998.
198. Gallo MV, Denham M, Schell LM, Stark AD, Czerwinski SA. Birthweight, length and body composition among Black-Americans and White-Americans of low socioeconomic status. *Am J*

- Phys Anthropol: S26:102, 1998.
199. Czerwinski SA, Schell LM, Stark AD. Prenatal lead exposure and infant adiposity. Published in the program for The Eighth International Congress of Auxology, 1997.
 200. Gallo MV, Denham M, Schell LM, Stark AD, Czerwinski SA. Comparison of birth size among Black, White, and Hispanic Americans of low socioeconomic status. Published in the program for the Eighth International Congress of Auxology, 1997.
 201. Czerwinski SA, Schell LM, Stark AD. Factors related to elevated blood lead levels in early childhood in Albany, NY. Published in the program for The First National Research Conference on Children's Environmental Health: Research, Practice, Prevention, Policy, 1997.
 202. Czerwinski SA, Schell LM, Stark AD. Early childhood blood lead levels in Albany, N.Y. Am J Hum Biol: 8(1):112-3, 1996.
 203. Czerwinski SA, Schell LM, Stark AD. Dietary assessment of socioeconomically disadvantaged pregnant women. Am J Hum Biol: 7(1):121, 1995.
 204. Czerwinski SA, Schell LM, Stark AD, Grattan W. Maternal morphology and neonatal blood lead levels. Am J Phys Anthropol: S16: 77-8, 1993.

TEACHING EXPERIENCE

Courses taught

<u>Date</u>	<u>Course</u>	<u>Institution</u>
Fall 2017	Pediatric Epidemiology	EHGES, SPH, UTHealth
Spring 2015	Biostatistics for Health Professionals	Community Health, Wright State University
Spring 2014	Biostatistics for Health Professionals	Community Health, Wright State University
Spring 2014	Critical Thinking in Public Health	Community Health, Wright State University
Fall 2013	Critical Thinking in Public Health	Community Health, Wright State University
Winter 2002	Introduction to Physical Anthropology	Anthropology, Wright State University
Spring 2001	Introduction to Physical Anthropology	Anthropology, Wright State University
Summer 1997	Summer Course in Environmental Science (Fogarty/NIH-Sponsored)	Public Health, University at Albany
Fall 1994	Introduction to Anthropology	Sociology and Anthropology, Russell Sage College, Troy NY
Spring 1994	Introduction to Biological Anthropology (lab)	Anthropology, University at Albany
Spring 1993	Human Physical Growth and Development	Anthropology, University at Albany
Summer 1993	Human Physical Growth and Development	Anthropology, University at Albany
Summer 1992	Introduction to Human Evolution	Anthropology, University at Albany
Spring 1992	Introduction to Biological Anthropology (lab)	Anthropology, University at Albany
Fall 1991	Introduction to Human Evolution (lab)	Anthropology, University at Albany

Prepared to teach

Epidemiology I,II,III
 Genetic Epidemiology
 Health Disparities Epidemiology
 Chronic Disease Epidemiology
 Cardiovascular Epidemiology

Human Growth and Development
 Maternal and Child Health
 Urban Health
 Epidemiology of Aging
 Pediatric Epidemiology

Graduate Students (UTHealth School of Public Health, Brownsville Campus)*MPH Students*

Jeremy Ryan Lasater (academic advisor), MPH Summer 2017
 Veronica Medellin (academic advisor), MPH Spring 2017
 Amanda Sierra (academic advisor), MPH Spring 2017
 Brandon Gonzalez (academic/thesis advisor), current
 Stephany Diaz (academic advisor), current
 Karla Millan (academic advisor), current
 Carolina Vela (academic advisor), current

PhD Students

Ariana Garza (academic/thesis advisor), current
 Anayeli Herrera Morales (academic/thesis advisor)

Mentorship (Wright State University)*Postdoctoral Fellows*Co-Primary Mentor (w/Roger Siervogel):

Naila Khalil, Ph.D., Postdoctoral Fellow, 2008-2010.
 Audrey C. Choh, Ph.D., Postdoctoral Fellow, 2003-2005.
 Miryoung Lee, Ph.D., Postdoctoral Fellow, 2003-2005.

Secondary Mentor:

Kimberly Williams, Ph.D., Postdoctoral Fellow (Primary mentor: Bradford Towne), 2005-2008.
 Dana Duren, Ph.D., Postdoctoral Fellow (Primary mentor: Bradford Towne), 2001-2004.
 Nikki Rogers, Ph.D., Postdoctoral Fellow (Primary mentor: Bradford Towne), 2000-2003.

*Graduate Students*Committee Member:

Gabriel Moreno, MS Biological Science (Exercise Biology Concentration), 2009.
 Sushant Taksande, candidate MS Biological Science (Exercise Biology Concentration), 2008-

*Short-term Training for Minority Students (STREAMS)*Primary Mentor:

Tevin Dorsey, Undergraduate Student, North Carolina A&T State University, 2015.

Paloma Wiggins, Undergraduate Student, Smith College, 2015.

Nelson G. Castillo Rivera, Undergraduate Student, University of Puerto Rico-Recinto, 2014.

Darian Vernon, Undergraduate Student, University of South Carolina, 2013.

Nelson G. Castillo Rivera, Undergraduate Student, University of Puerto Rico-Recinto, 2013.

Afton Jackson, Undergraduate Student, Alcorn State University, 2005.

Obianuju Rita Mbamalu, Undergraduate Student, Vanderbilt University, 2004.

Brooke Middleton, Undergraduate Student, Wilberforce University, 2001.

*Grad-Prep: Biomedical Graduate Preparation Program*Primary Mentor:

Pamela Cullen, 2013, (w/ AC Choh).

Elizabeth Alvarez, 2011-2012, (w/ M Lee)

SERVICE AND ACADEMIC OUTREACHProfessional memberships

American Association of Physical Anthropologists (AAPA)

Human Biology Association (HBA)

American Society for Bone and Mineral Research (ASBMR)

American Association of Anthropological Genetics (AAAG)

The Obesity Society (TOS)

American Heart Association (AHA)

American Diabetes Association (ADA)

Editorial board

Associate Editor, *Frontiers in Applied Genetic Epidemiology*

Manuscript reviewer

American Journal of Clinical Nutrition

American Journal of Human Biology

American Journal of Physical Anthropology

Annals of Human Biology

BMC Genetics

Circulation

Circulation: Cardiovascular Genetics

Genetic Analysis Workshop

Genetic Epidemiology

Human Biology

International Journal of Obesity

Journal of Pediatrics

Medical Genetics

Obesity Research

Honors, recognition, and outreach (in chronological order)

Vice President, Board of Trustees, Virginia Hollinger Memorial Tennis Club, Oakwood, OH 45409, 10/2008-09/2010.

Invited Participant, European Union / United States Task Force Designing Phase II B Trials in Sarcopenia, Albuquerque, NM, USA, July 27-28, 2010.

Member, Board of Trustees, Virginia Hollinger Memorial Tennis Club, Oakwood, OH 45409, 2007-09/2010.

Awardee, Ohio Commission on Minority Health, Academic, Scientific and Community Partnership Grant (with Combined Health District of Montgomery County), 2004-2006.

Invited Participant, National Institute of Aging, Aging and Genetic Epidemiology Investigators Meeting, Exploratory Projects for Longitudinal Genetic Epidemiologic Studies on Aging, January 2002.

Invited Participant, National Institute of Aging, Aging and Genetic Epidemiology Investigators Meeting, Exploratory Projects for Longitudinal Genetic Epidemiologic Studies on Aging, January 2001.

Finalist, Roger Williams Memorial Award, AHA Council on Epidemiology and Prevention, March 2001.

Plenary Poster, American Society for Bone and Mineral Research, October 1999.

National, international and university service (in chronological order)

Member, NIH Member Conflict Panel (ZRG1 PSE R 02,03,04), Center for Scientific Review, June 2017.

Chair, NIH Member Conflict Panel (ZRG1 PSE-D 02), Center for Scientific Review, June 2017.

Chair, NIH Member Conflict Panel (ZRG1 PSE-U 02), Center for Scientific Review, November 2016.

Chair, Lifespan Health Research Center, Data Sharing Committee, Wright State University, 2015-2016.

Progress report reviewer, The King Abdulaziz City for Science and Technology (KACST) Grant Program (the national science agency of Saudi Arabia) for the American Association for the Advancement of Science (AAAS), August 2014.

Chair, Lifespan Health Research Center (Epidemiology), Assistant/Associate Professor Search Committee, Wright State University, 2013-2014.

Member, Chairperson Evaluation Committee (Pharmacology/Toxicology), Boonshoft School of Medicine Wright State University, winter 2013.

Ad hoc Member, NAME (Neurological, Aging and Musculoskeletal Epidemiology), Center for Scientific Review, February 2013.

Participant, AHEAD Neuroscience Working Group, Wright State Research Institute, January, 2013.

- Reviewer, The King Abdulaziz City for Science and Technology (KACST) Grant Program (the national science agency of Saudi Arabia) for the American Association for the Advancement of Science (AAAS), August 2012.
- Ad hoc Member, Special Emphasis Panel (ZRG1 PSE-B-02), Center for Scientific Review, May 2012.
- Reviewer, The King Abdulaziz City for Science and Technology (KACST) Grant Program (the national science agency of Saudi Arabia) for the American Association for the Advancement of Science (AAAS), August 2011.
- Member, NIH Member Conflict Panel (ZRG1 PSE-M 03), Chronic Diseases, May 2011.
- Ad hoc Member, NIH Study Section KNOD (Kidney, Nutrition, Obesity and Diabetes), Center for Scientific Review, 2010-2011.
- Ad hoc Member, Complex Human Genetics (ZRG1 GGG-M (50) R), Center for Scientific Review, December 2010.
- Chair, NIH Special Emphasis Panel (ZAG1 ZIJ-9 J5), National Institutes of Aging, May 2010.
- Chair, NIH Special Emphasis Panel (ZAG1 ZIJ-9 J5), National Institutes of Aging, November 2009.
- Member, NIH Member Conflict Panel (ZRG1 PSE-B 04), Population Sciences and Epidemiology IRG, December 2009.
- Symposium organizer, “Sarcopenia: Definitions, risk factors and treatment” at the XIXth World Congress of Gerontology and Geriatrics, Paris, France, July 2009.
- Member, NIH Special Emphasis Panel (ZRG1 PSE-C 58), NIH Challenge Grants, Center for Scientific Review, June 2009.
- Ad hoc member, NIH Study Section NAME (Neurological, Aging and Musculoskeletal Epidemiology), Center for Scientific Review, June 2009.
- Member, NIH Special Emphasis Panel (ZRG1 HOP-D 05), Center for Scientific Review, October 2008.
- Chair, NIH Special Emphasis Panel (ZRG1 HOP-T 06), Center for Scientific Review, May 2008.
- Member, NIH Special Emphasis Panel (ICP1), International and Cooperative Projects-1 Study Section, Center for Scientific Review, February 2008.
- Member, NIH Special Emphasis Panel (ZRG1 HOP-T), Community Interventions and Health Behaviors, Center for Scientific Review, February 2008.
- Chair, Lifespan Health Research Center, Assistant/Associate Professor Search Committee, Wright State University, 2007-2008.
- Chair, Lifespan Health Research Center, Postdoctoral Research Associate Search Committee, Wright State University, 2007-2008.
- Member, NIH Special Emphasis Panel, Multidisciplinary Clinical Research Center (MCRC) P60, National Institute of Arthritis and Musculoskeletal and Skin Diseases Institute, October 2007.
- Member, Lifespan Health Research Center, Director Search Committee, Wright State University, 2006-2008.

Member, NIH Special Emphasis Panel (HLB-S Workgroup 014), National Heart, Lung, and Blood Institute, October 2006.

Ad hoc member, NIH Study Section KNOD (Kidney, Nutrition, Obesity and Diabetes), Center for Scientific Review, June 2006.

Member, Student Prize Committee for American Association of Physical Anthropologists Annual Meeting, Anchorage, AK, March 2006.

Member, NIH Special Emphasis Panel (ZAR1 MLB-G M1 1), National Institute of Arthritis and Musculoskeletal and Skin Diseases (Specialized Centers), March 2006.

Member, NIH Special Emphasis Panel (ZRG1 HOP-S (50), Health of the Population (Community Participation in Research), December 2005.

Grant Reviewer, Estonian Science Foundation, September 2005.

Member, NIH Special Emphasis Panel (ZHL1 CSR-L M1), National Heart, Lung, and Blood Institute, May 2005.

Member, NIH Special Emphasis Panel (ZAG1 ZIJ-9), National Institute of Aging, March 2005.

Symposium organizer, "Genetics of growth and development" at the Ninth International Congress of Auxology, Turin, Italy, September 2000.