

CURRICULUM VITAE
AUDREY C. CHOH
OCTOBER 2018

UNIVERSITY ADDRESS:

Department of Epidemiology, Human Genetics & Environmental Sciences
University of Texas Health Science Center at Houston, Regional Campus - Brownsville
SPH Building N1.102C, One West University Boulevard, Brownsville, TX 78520
E-mail:audrey.c.choh@uth.tmc.edu
Telephone: 956) 755-0652
Facsimile: (956) 755-0606

EDUCATION:

DEGREE:

DATE:

MAJOR:

University at Albany - SUNY
Albany, New York, U.S.A.

Ph.D.

December 2002

Anthropology

University of Guelph
Guelph, Ontario, Canada

M.Sc.

February 1994

Human Biology

University of Toronto
Scarborough, Ontario, Canada

B.Sc.

June 1991

Anthropology /
Biology

BOARD CERTIFICATION:

Certified in Public Health (CPH) by National Board of Public Health Examiners, October 31, 2015.

RESEARCH APPOINTMENTS:

January 2017 -
Present

Assistant Professor, Human Genetics Center, Department of
Epidemiology, Human Genetics and Environmental Sciences, University
of Texas Health Science Center at Houston School of Public Health –
Brownsville Campus, Brownsville, Texas.

January 2017 -
Present

Adjunct Assistant Professor, Department of Population and Public Health
Sciences, Boonshoft School of Medicine, Wright State University,
Dayton, Ohio.

July 2016 -
December 2016

Research Assistant Professor, Department of Population and Public Health
Sciences, Boonshoft School of Medicine, Wright State University,
Dayton, Ohio.

- February 2006 - July 2016 Research Assistant Professor, Lifespan Health Research Center, Department of Community Health, Boonshoft School of Medicine, Wright State University, Dayton, Ohio.
- January 2003- January 2006 Postdoctoral Researcher in Cardiovascular Epidemiology, Lifespan Health Research Center, Department of Community Health, Boonshoft School of Medicine, Wright State University, Dayton, Ohio.
- June 2000- August 2000 Field Director, Tutuila, American Samoa.
(Dr. Stephen T. McGarvey, PI, Brown University)
- Fall 1998 , 1999 Research Assistant, State University of New York at Albany, New York.
Spring 1999, 2000 (Dr. John Justeson, Supervisor)
- Fall, 1994, Summer 1995, 1998, 1999 Research Assistant, State University of New York at Albany, New York.
Spring 1996, 1998 (Dr. Lawrence M. Schell, Supervisor)
- Summer 1995,1996 Research Assistant, State University of New York at Albany, New York.
(Dr. Timothy Gage, Supervisor)
- Spring 1992 Research Summer Career-Oriented Student Employment Program (COSEP) student, Petawawa National Forestry Institute.
(Drs. Willard Fogal and Kurt Johnston, Supervisors)

FIELDWORK EXPERIENCE:

- June 2000- November 2000 Worked with undergraduate Brown University students to collect genealogical data (June-August). Worked with local translators and health nurses, to collect genealogical, anthropometric, and blood pressure data (September-November). Tutuila, American Samoa

GRANT & FINANCIAL AWARDS:

Current:

Telomere length dynamics in relation to changes in adiposity and metabolic risk

Co-PIs: Lee, M (contact PI) & Curran, J

Role: Co-I

Funding Agency: NIH/NIDDK (DK111201)

Dates: 09/23/2016 - 08/31/2021

The goal of this project is to investigate the influence of obesity on human aging, and to identify genes influencing telomere length and telomerase activity.

Completed:

Quantifying Healthy Birth, Growth and Development Knowledge Integration (HBGDki)

PI: Choh, AC

Funding Agency: Bill and Melinda Gates Foundation (OPP1135978)

Dates: 07/28/2015 - 12/31/2016

The HBGD knowledge integration (HBGDki) initiative integrates data sets from diverse, focused studies into a larger body of knowledge. The purposes of integrating multidisciplinary data are to understand fully the effects of risk factors on growth outcomes and develop effective solutions. As part of this initiative, Fels Longitudinal Study data is among the datasets utilized for integrative analysis.

Short-term Training for Minority Students Program

PI: Czerwinski, SA

Role: Assistant Director, Mentor

Funding Agency: NIH/NHLBI (R25 HL103168)

Dates: 06/01/2010 - 02/28/2016

The major goal of this project is to give short-term training in the cardiovascular sciences with emphasis on basic mechanisms of cellular and neural physiology, cardiovascular and endocrine control/epidemiology to minority undergraduates.

Adiposity Disease Risk Factors, and Lifetime Health

PI: Czerwinski, SA

Role: Co-investigator

Funding Agency: NIH/NICHHD (R01 HD012252)

Dates: 7/10/2010 - 6/30/2015

This research project will use both new and existing data from the Fels Longitudinal Study, a unique database that began in 1929. The Fels Longitudinal Study is the world's longest continuous serial study of growth, body composition and risk factors for chronic disease in randomly ascertained individuals. A major focus of this continuation is the comprehensive assessment of the role of adipose tissue in cardiometabolic disease risk. Liver fat content and abdominal adipose tissue in several depots will be quantified by magnetic resonance imaging (MRI) in order to examine the interrelationships among liver fat, visceral and subcutaneous abdominal adiposity, and total body adiposity with respect to risk for cardiometabolic diseases. These data will be combined with existing data to test a variety of hypotheses by conducting both serial and cross-sectional analyses.

PREP Scholars

PI: Czerwinski, SA

Role: Mentor

Funding Agency: NIH/NIGMS (R25 GM086257)

Dates: 03/01/2010 - 02/28/2016

The continuation of a Wright State University Post-baccalaureate Research Education Program, WSU GRAD PREP, (WSUGP) provides research and academic training through an apprenticeship in the biomedical/behavioral sciences for seven scholars per year from underrepresented racial and ethnic groups, individuals with disabilities and/or individuals from disadvantaged backgrounds.

Job Demands as Moderators of the Relationship between Physical Activity and Health

PI: Choh, AC

Co-PI: Bowling, N,

Co-I: Czerwinski SA

Funding Agency: Wright State University Emerging Science Seed Grant

Dates: 07/01/2013 – 6/30/2014

This grant extracts objective measures spanning various dimensions of job demands, and examine how job-related dimensions, physical activity, and interactions between the two, influence obesity, blood pressure, general health, and depression, while adjusting for demographic, and behavioral risk factors.

Feasibility study for cerebrovascular health assessment

PI: Choh, AC

Co-I: Czerwinski SA, Jacobs B

Funding Agency: Wright State University Department of Community Health Seed Grant

Dates: 01/01/2011 – 12/31/2013

Brain aging is marked by cognitive decline, brain atrophy and increased prevalence of indicators of subclinical stroke such as white matter ischemic disease and cerebral microbleeds. This proposal seeks to develop research tools for use in an epidemiologic study of brain health in a sample of adults over the age of 50. Specifically, we refine and develop data collection and magnetic resonance (MR) image analysis protocols to quantify and analyze brain structures including regional brain volumes, white matter hyperintensities, cerebral microbleeds and stroke. We also test the reliability of the brain parameter measurements obtained from MR images for inter-reader, intra-reader, and image analysis reliability.

The Genetics of Infant Growth and Later Obesity

Demerath, EW (PI, University of Minnesota), Towne, B (subcontract PI)

Role: Co-Investigator

Funding agency: NIH/NICHD (R01 HD053685)

Dates: 09/26/2006 – 07/31/2012 (no cost extension)

This study uses serial growth and BMI data from 675 related individuals in the Fels Longitudinal Study to identify genes involved in infant growth and their possible pleiotropic effects on BMI and the risk of overweight and obesity during childhood and adolescence.

Genetic Analysis of Osteoporosis Risk Factors

PI: Czerwinski SA

Role: Co-Investigator

Funding agency: NIH/NIAMS (R01 AR052147)

Dates: 09/01/2005 – 06/30/2012 (no cost extension)

The study investigates the genetic determinants of bone mineral density (BMD) and measures of bone quality in a sample of 2,000 adult individuals from large extended pedigrees. The main goal of the study is the identification of genes influencing BMD and measures of bone quality, as well as the identification of genes that have joint influences on these traits.

Visceral Adiposity: Genetic and Environmental Influences

PI: Czerwinski, SA

Role: Co-Investigator

Funding agency: NIH/NIDDK (R01DK064870)

Dates: 09/20/2003 - 07/31/2009

The goal of the study is to identify genomic regions influencing the deposition of visceral adipose tissue, and to determine how the genetic control of visceral obesity may be modified by environmental (behavioral) factors such as physical activity and diet. In addition, the genetic epidemiology of systemic inflammation and hormonal dysregulation, which frequently accompany, and are exacerbated by visceral obesity, are explored.

MR Imaging of the Human Body

PI: Sherwood

Role: Co-Investigator

Funding agency: WSU Research Challenge/Major Collaboration

Dates: 03/01/2009 - 06/30/2010

This major collaboration grant to develop infrastructure at the Lifespan Health Research Center to facilitate collaborative research projects between LHRC and Wallace Kettering Neuroscience Institute.

Adiposity Disease Risk Factors, and Lifetime Health

PI: Siervogel, RM

Role: Co-Investigator

Funding agency: NIH/NICHD (R01HD12222)

Dates: 12/01/2004 – 11/30/2009

This project involves the collection and analysis of long-term serial data from the Fels Longitudinal Study. Data are related to indices and measures of body fatness, adipose tissue distribution, lifestyle, lipids and lipoproteins, blood pressure, and other risk factors for cardiovascular disease. Analyses concern prediction of future states, associations among measures of body composition and other risk factors for cardiovascular disease, and patterns of change in individuals.

Genetic Epidemiology of Cardiovascular Reactivity to Physiological Stressors

PI: Choh AC

Funding agency: American Heart Association/Ohio Valley Research Affiliate (AHA0325371B)

Dates: 07/01/2003 - 06/30/2005

The overall goal of this project is to examine the role of genetic factors in blood pressure reactivity to physiological stressors. More specifically, we use maximum likelihood variance components based techniques to search for genetic predispositions for exaggerated blood pressure responses to stress and to determine how much of the genetic effect is shared among the different stress responses and other CVD risk factors such as resting blood pressure. Ultimately, this research attempts to answer how genes affect physiological processes that are likely to be predictors of cardiovascular disease.

Genetic Epidemiology of CVD Risk Factors

PI: Siervogel, RM

Role: Co-Investigator

Funding agency: NIH/NHLBI (R01HL69995)

Dates: 12/01/2002 - 11/30/2008

This study elucidates the role of genetic factors that influence risk of cardiovascular disease (CVD) and identifies specific genes influencing the age-related progression of CVD risks.

Drew Diabetes Education Program

PI: Czerwinski, SA

Role: Co-Investigator

Funding agency: Ohio Commission on Minority Health (666037)

Combined Health District of Montgomery County (PI), Czerwinski, SA (subcontract PI)

Dates: 10/01/2004 - 06/31/2006

The primary goal of this pilot study is to collect preliminary data evaluating the effectiveness of diabetes intervention program conducted at the Drew Health Center to establish a comprehensive diabetes intervention aimed at improving health and reducing the progression of diabetes-related complications in a medically underserved African-American community.

Pending:

Long-term Blood Pressure Variability over the Lifespan and Chronic Disease Risk

PI: Choh, AC

Funding Agency: NIH/NIA (R21AG060458)

Dates: 04/01/2019 - 03/31/2021

Proposal Status: Pending

Genetics of Growth and Development

PI: Czerwinski, SA

Role: Co-Investigator

Funding Agency: NIH/NICHD (R01HD093673)

Dates: 04/01/2019 - 03/31/2024

Proposal Status: Pending

Lipidomic Correlates of Adiposity

PI: Czerwinski, SA

Role: Co-Investigator

Funding Agency: NIH/NIDDK (R01DK121350)

Dates: 04/01/2019 - 03/31/2024

Proposal Status: Pending

The Role of Blood Pressure Variability in Future Hypertension

PI: Choh, AC

Funding Agency: NIH/NIA (R21AG061736)

Dates: 09/01/2018 - 08/31/2020

Proposal Status: Pending

Other awards:

- | | |
|-------------|--|
| July 2003 | 29 th Ten-Day Seminar on the Epidemiology and Prevention of Cardiovascular Disease travel stipend, American Heart Association |
| Summer 2002 | Initiatives for Women (IFW) general award, University at Albany |
| Spring 2000 | Edward E. Hunt Student Prize, Human Biology Association |

Spring 1999 Juan Comas Award, American Association of Physical Anthropologists

Spring 1996, 1997, 1999 Graduate Student Organization Travel Grant, University at Albany

PUBLICATIONS:

Articles in Peer-Reviewed Journals:

1. Reynolds K. R., Stevens J., Cai J., Shay C. M., Lewis C. E., **Choh A. C.** and Czerwinski S. A. (2018): External Validation of Equations that Use Demographic and Anthropometric Measurements to Predict Percent Body Fat. *Obesity Science & Practice*:(in press).
2. Lucas K., James P., **Choh A. C.**, Lee M., Czerwinski S. A., Demerath E. W., and Johnson W. (2018): The positive association of infant weight gain with adulthood body mass index has strengthened over time in the Fels Longitudinal Study. *Pediatric Obesity* 13(8):476-484.
3. Watt G. P., Fisher-Hoch S. P., Rahbar M. H., McCormick J. B., Lee M., **Choh A. C.**, Thanikacha-lam S., and Thanikachala M. (2018): Mexican American and South Asian population-based co-horts reveal high prevalence of type 2 diabetes and crucial differences in metabolic health phenotypes. *BMJ Open Diabetes Research & Care* 6(1):e000436. PMC:5873536.
4. Johnson W., **Choh A. C.**, Lee M., Towne B., Czerwinski S. A. and Demerath E. W. (2017): Is infant body mass index associated with adulthood body composition trajectories? An exploratory analysis. *Pediatric Obesity* 12(1):10-18. PMID:26756208.
5. Swanton S., **Choh A. C.**, Lee M., Laubach L. L., Linderman J. K., Czerwinski S. A. and Peterson M. J. (2017): Body mass index associations between mother and offspring from birth to age 18: The Fels Longitudinal Study. *Obesity Science & Practice* 3(2): 127-133. PMC:5478810.
6. Chu A. Y., Deng X., Fisher V. A., Drong A., Zhang Y., Feitosa M. F., Liu C.-T., Weeks O., **Choh A. C.**, Duan Q., Dyer T. D., Eicher J. D., Guo X., Heard-Costa N. L., Kacprowski T., Jr J. W. K., Lange L. A., Liu X., Lohman K., Lu L., Mahajan A., O'Connell J. R., Parihar A., Peralta J. M., Smith A. V., Zhang Y., Homuth G., Kissebah A. H., Kullberg J., Laqua R., Launer L. J., Nauck M., Olivier M., Peyser P. A., Terry J. G., Wojczynski M. K., Yao J., Bielak L. F., Blangero J., Borecki I. B., Bowden D. W., Carr J. J., Czerwinski S. A., Ding J., Friedrich N., Gudnason V., Harris T. B., Ingelsson E., Johnson A. D., Kardia S. L. R., Langefeld C. D., Lind L., Liu Y., Mitchell B. D., Morris A. P., Jr T. H. M., Rotter J. I., Shuldiner A. R., Towne B., Völzke H., Wallaschofski H., Wilson J. G., Allison M., Lindgren C. M., Goessling W., Cupples L. A., Steinhauser M. L. and Fox C. S. (2017): Multiethnic genome-wide meta-analysis of ectopic fat depots identifies loci associated with adipocyte development and differentiation. *Nature Genetics* 49(1):125-130. PMID:27918534.
7. Lu Y., Day F. R., Gustafsson S., Buchkovich M. L., Na J., Bataille V., Cousminer D. L., Dastani Z., Drong A. W., Esko T., Evans D. M., Falchi M., Feitosa M. F., Ferreira T., Hedman A. K., Haring R., Hysi P. G., Iles M. M., Justice A. E., Kanoni S., Lagou V., Li R., Li X., Locke A., Lu C., Magi R., Perry J. R., Pers T. H., Qi Q., Sanna M., Schmidt E.

- M., Scott W. R., Shungin D., Teumer A., Vinkhuyzen A. A., Walker R. W., Westra H. J., Zhang M., Zhang W., Zhao J. H., Zhu Z., Afzal U., Ahluwalia T. S., Bakker S. J., Bellis C., Bonnefond A., Borodulin K., Buchman A. S., Cederholm T., **Choh A. C.**, Choi H. J., Curran J. E., de Groot L. C., De Jager P. L., Dhonukshe-Rutten R. A., Enneman A. W., Eury E., Evans D. S., Forsen T., Friedrich N., Fumeron F., Garcia M. E., Gartner S., Han B. G., Havulinna A. S., Hayward C., Hernandez D., Hillege H., Ittermann T., Kent J. W., Kolcic I., Laatikainen T., Lahti J., Mateo Leach I., Lee C. G., Lee J. Y., Liu T., Liu Y., Lobbens S., Loh M., Lyytikainen L. P., Medina-Gomez C., Michaelsson K., Nalls M. A., Nielson C. M., Oozageer L., Pascoe L., Paternoster L., Polasek O., Ripatti S., Sarzynski M. A., Shin C. S., Narancic N. S., Spira D., Srikanth P., Steinhagen-Thiessen E., Sung Y. J., Swart K. M., Taittonen L., Tanaka T., Tikkanen E., van der Velde N., van Schoor N. M., Verweij N., Wright A. F., Yu L., Zmuda J. M., Eklund N., Forrester T., Grarup N., Jackson A. U., Kristiansson K., Kuulasmaa T., Kuusisto J., Lichtner P., Luan J., Mahajan A., Mannisto S., Palmer C. D., Ried J. S., Scott R. A., Stancakova A., Wagner P. J., Demirkan A., Doring A., Gudnason V., Kiel D. P., Kuhnel B., Mangino M., McKnight B., Menni C., O'Connell J. R., Oostra B. A., Shuldiner A. R., Song K., Vandenput L., van Duijn C. M., Vollenweider P., White C. C., Boehnke M., Boettcher Y., Cooper R. S., Forouhi N. G., Gieger C., Grallert H., Hingorani A., Jorgensen T., Jousilahti P., Kivimaki M., Kumari M., Laakso M., Langenberg C., Linneberg A., Luke A., McKenzie C. A., Palotie A., Pedersen O., Peters A., Strauch K., Tayo B. O., Wareham N. J., Bennett D. A., Bertram L., Blangero J., Bluher M., Bouchard C., Campbell H., Cho N. H., Cummings S. R., Czerwinski S. A., Demuth I., Eckardt R., Eriksson J. G., Ferrucci L., Franco O. H., Froguel P., Gansevoort R. T., Hansen T., Harris T. B., Hastie N., Heliovaara M., Hofman A., Jordan J. M., Jula A., Kahonen M., Kajantie E., Knekt P. B., Koskinen S., Kovacs P., Lehtimaki T., Lind L., Liu Y., Orwoll E. S., Osmond C., Perola M., Perusse L., Raitakari O. T., Rankinen T., Rao D. C., Rice T. K., Rivadeneira F., Rudan I., Salomaa V., Sorensen T. I., Stumvoll M., Tonjes A., Towne B., Tranah G. J., Tremblay A., Uitterlinden A. G., van der Harst P., Vartiainen E., Viikari J. S., Vitart V., Vohl M. C., Volzke H., Walker M., Wallaschofski H., Wild S., Wilson J. F., Yengo L., Bishop D. T., Borecki I. B., Chambers J. C., Cupples L. A., Dehghan A., Deloukas P., Fatemifar G., Fox C., Furey T. S., Franke L., Han J., Hunter D. J., Karjalainen J., Karpe F., Kaplan R. C., Kooner J. S., McCarthy M. I., Murabito J. M., Morris A. P., Bishop J. A., North K. E., Ohlsson C., Ong K. K., Prokopenko I., Richards J. B., Schadt E. E., Spector T. D., Widen E., Willer C. J., Yang J., Ingelsson E., Mohlke K. L., Hirschhorn J. N., Pospisilik J. A., Zillikens M. C., Lindgren C., Kilpelainen T. O. and Loos R. J. (2016): New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nature Communications* 7(7):10495. PMC4740398.
8. Whitaker K. M., **Choh A. C.**, Lee M., Towne B., Czerwinski S. A. and Demerath E. W. (2016): Sex differences in the rate of abdominal adipose accrual during adulthood: the Fels Longitudinal Study. *International Journal of Obesity* 40(8):1278-1285. PMC4970892.
 9. Malina R. M., **Choh A. C.**, Czerwinski S. A. and Chumlea W. C. (2016): Validation of Maturity Offset in the Fels Longitudinal Study. *Pediatric Exercise Science* 28(3):439-455. PMID:26757350.
 10. Redko C., Rogers N., Bule L., Siad H. and **Choh A.** (2015): Development and validation of the Somali WHOQOL-BREF among refugees living in the USA. *Quality of Life Research* 24(6):1503-1513. PMID:25429823.

11. **Choh A. C.**, Lee M., Kent J. W., Diego V. P., Johnson W., Curran J. E., Dyer T. D., Bellis C., Blangero J., Siervogel R. M., Towne B., Demerath E. W. and Czerwinski S. A. (2014): Gene-by-age effects on BMI from birth to adulthood: The Fels Longitudinal Study. *Obesity* 22(3):875-881. PMC3883986.
12. Demerath E. W., **Choh A. C.**, Johnson W., Curran J. E., Lee M., Bellis C., Dyer T. D., Czerwinski S. A., Blangero J. and Towne B. (2013): The positive association of obesity variants with adulthood adiposity strengthens over an 80-year period: a gene-by-birth year interaction. *Human Heredity* 75(2-4):175-185. PMC4091039.
13. Johnson W., **Choh A. C.**, Lee M., Towne B., Czerwinski S. A. and Demerath E. W. (2013): Characterization of the infant BMI peak: sex differences, birth year cohort effects, association with concurrent adiposity, and heritability. *American Journal of Human Biology* 25(3):378-388. PMC3988701.
14. Odegaard A. O., **Choh A. C.**, Nahhas R. W., Towne B., Czerwinski S. A. and Demerath E. W. (2013): Systematic examination of infant size and growth metrics as risk factors for overweight in young adulthood. *PLoS One* 8(6):e66994. PMC3688577.
15. Orłowski M., Adkins S., Ellison S. A., **Choh A. C.**, Terwood N. and Schuster R. J. (2013): Assessment and management of adult obesity in a primary care practice. *World Medical & Health Policy* 5(1):19-36.
16. Koller D. L., Zheng H. F., Karasik D., Yerges-Armstrong L., Liu C. T., McGuigan F., Kemp J. P., Giroux S., Lai D., Edenberg H. J., Peacock M., Czerwinski S. A., **Choh A. C.**, McMahon G., St Pourcain B., Timpson N. J., Lawlor D. A., Evans D. M., Towne B., Blangero J., Carless M. A., Kammerer C., Goltzman D., Kovacs C. S., Prior J. C., Spector T. D., Rousseau F., Tobias J. H., Akesson K., Econs M. J., Mitchell B. D., Richards J. B., Kiel D. P. and Foroud T. (2013): Meta-analysis of genome-wide studies identifies WNT16 and ESR1 SNPs associated with bone mineral density in premenopausal women. *Journal of Bone and Mineral Research* 28(3):547-558. PMC3691010.
17. Graff M., Ngwa J. S., Workalemahu T., Homuth G., Schipf S., Teumer A., Volzke H., Wallaschofski H., Abecasis G. R., Edward L., Francesco C., Sanna S., Scheet P., Schlessinger D., Sidore C., Xiao X., Wang Z., Chanock S. J., Jacobs K. B., Hayes R. B., Hu F., Van Dam R. M., Consortium G., Crout R. J., Marazita M. L., Shaffer J. R., Atwood L. D., Fox C. S., Heard-Costa N. L., White C., **Choh A. C.**, Czerwinski S. A., Demerath E. W., Dyer T. D., Towne B., Amin N., Oostra B. A., Van Duijn C. M., Zillikens M. C., Esko T., Nelis M., Nikopoulou T., Metspalu A., Strachan D. P., Monda K., Qi L., North K. E., Cupples L. A., Gordon-Larsen P. and Berndt S. I. (2013): Genome-wide analysis of BMI in adolescents and young adults reveals additional insight into the effects of genetic loci over the life course. *Human Molecular Genetics* 22(17):3597-3607. PMC3736869.
18. Johnson W., **Choh A. C.**, Curran J. E., Czerwinski S. A., Bellis C., Dyer T. D., Blangero J., Towne B. and Demerath E. W. (2013): Genetic risk for earlier menarche also influences peripubertal body mass index. *American Journal of Physical Anthropology* 150(1):10-20. PMC3539227.
19. Linabery A. M., Nahhas R. W., Johnson W., **Choh A. C.**, Towne B., Odegaard A. O., Czerwinski S. A. and Demerath E. W. (2013): Stronger influence of maternal than paternal obesity on infant and early childhood body mass index: the Fels Longitudinal Study. *Pediatric Obesity* 8(3):159-169. PMC3765070.

20. Chumlea W. C., **Choh A.**, Towne B., Duren D., Siervogel R. M. and Czerwinski S. (2012): Maintaining function with aging what we have learned from the Fels Longitudinal Study. *Journal of Frailty and Aging* 1(2):50-51.
21. Lee M., **Choh A. C.**, Demerath E. W., Towne B., Siervogel R. M. and Czerwinski S. A. (2012): Associations between trunk, leg and total body adiposity with arterial stiffness. *American Journal of Hypertension* 25(10):1131-1137. PMC3578479.
22. Johnson W., Stovitz S. D., **Choh A. C.**, Czerwinski S. A., Towne B. and Demerath E. W. (2012): Patterns of linear growth and skeletal maturation from birth to 18 years of age in overweight young adults. *International Journal of Obesity* 36(4):535-541. PMC3312969.
23. Johnson W., Soloway L. E., Erickson D., **Choh A. C.**, Lee M., Chumlea W. C., Siervogel R. M., Czerwinski S. A., Towne B. and Demerath E. W. (2012): A changing pattern of childhood BMI growth during the 20th century: 70 y of data from the Fels Longitudinal Study. *American Journal of Clinical Nutrition* 95(5):1136-1143. PMC3325836.
24. Johnson W., **Choh A. C.**, Soloway L. E., Czerwinski S. A., Towne B. and Demerath E. W. (2012): Eighty-year trends in infant weight and length growth: the Fels Longitudinal Study. *Journal of Pediatrics* 160(5):762-768. PMC3310964.
25. Odegaard A. O., **Choh A. C.**, Czerwinski S. A., Towne B. and Demerath E. W. (2012): Sugar-sweetened and diet beverages in relation to visceral adipose tissue. *Obesity* 20(3):689-691. PMC3288354.
26. Lee M., **Choh A. C.**, Williams K. D., Schroeder V., Dyer T. D., Blangero J., Cole S. A., Chumlea W. C., Duren D. L., Sherwood R. J., Siervogel R. M., Towne B. and Czerwinski S. A. (2012): Genome-wide linkage scan for quantitative trait loci underlying normal variation in heel bone ultrasound measures. *Journal of Nutrition, Health & Aging* 16(1):8-13. PMC3928037.
27. Duren D. L., Blangero J., Sherwood R. J., Seselj M., Dyer T., Cole S. A., Lee M., **Choh A. C.**, Chumlea W. C., Siervogel R. M., Czerwinski S. A. and Towne B. (2011): Cortical bone health shows significant linkage to chromosomes 2p, 3p, and 17q in 10-year-old children. *Bone* 49(6):1213-1218. PMC3221785.
28. **Choh A. C.**, Curran J. E., Odegaard A. O., Nahhas R. W., Czerwinski S. A., Blangero J., Towne B. and Demerath E. W. (2011): Differences in the heritability of growth and growth velocity during infancy and associations with FTO variants. *Obesity* 19(9):1847-1854. PMC4013792.
29. **Choh A. C.**, Nahhas R. W., Lee M., Choi Y. S., Chumlea W. C., Duren D. L., Sherwood R. J., Towne B., Siervogel R. M., Demerath E. W. and Czerwinski S. A. (2011): Secular trends in blood pressure during early-to-middle adulthood: the Fels Longitudinal Study. *Journal of Hypertension* 29(5):838-845. PMC3988666.
30. Demerath E. W., Rogers N. L., Reed D., Lee M., **Choh A. C.**, Siervogel R. M., Chumlea W. C., Towne B. and Czerwinski S. A. (2011): Significant associations of age, menopausal status and lifestyle factors with visceral adiposity in African-American and European-American women. *Annals of Human Biology* 38(3):247-256. PMC3245972.
31. Sherwood R. J., Duren D. L., Mahaney M. C., Blangero J., Dyer T. D., Cole S. A., Czerwinski S. A., Chumlea W. C., Siervogel R. M., **Choh A. C.**, Nahhas R. W., Lee M. and Towne B. (2011): A genome-wide linkage scan for quantitative trait loci influencing the craniofacial complex in humans (*Homo sapiens sapiens*). *Anatomical Record* 294(4):664-675. PMC3091483.

32. Lee M., Nahhas R. W., **Choh A. C.**, Demerath E. W., Duren D. L., Chumlea W. C., Sherwood R. J., Towne B., Siervogel R. M. and Czerwinski S. A. (2011): Longitudinal changes in calcaneal quantitative ultrasound measures during childhood. *Osteoporosis International* 22(8):2295-2305. PMC3988661.
33. Nahhas R. W., **Choh A. C.**, Lee M., Chumlea W. M., Duren D. L., Siervogel R. M., Sherwood R. J., Towne B. and Czerwinski S. A. (2010): Bayesian longitudinal plateau model of adult grip strength. *American Journal of Human Biology* 22(5):648-656. PMC3988672.
34. Demerath E. W., Reed D., **Choh A. C.**, Soloway L., Lee M., Czerwinski S. A., Chumlea W. C., Siervogel R. M. and Towne B. (2009): Rapid postnatal weight gain and visceral adiposity in adulthood: the Fels Longitudinal Study. *Obesity* 17(11):2060-2066. PMC2801420.
35. **Choh A. C.**, Demerath E. W., Lee M., Williams K. D., Towne B., Siervogel R. M., Cole S. A. and Czerwinski S. A. (2009): Genetic analysis of self-reported physical activity and adiposity: the Southwest Ohio Family Study. *Public Health Nutrition* 12(8):1052-1060. PMC2883310.
36. Lee M., **Choh A. C.**, Demerath E. W., Knutson K. L., Duren D. L., Sherwood R. J., Sun S. S., Chumlea W. M., Towne B., Siervogel R. M. and Czerwinski S. A. (2009): Sleep disturbance in relation to health-related quality of life in adults: the Fels Longitudinal Study. *Journal of Nutrition, Health & Aging* 13(6):576-583. PMC3988690.
37. Chumlea W. C., **Choh A.**, Lee M., Towne B., Sherwood R. J., Duren D., Czerwinski S. and Siervogel R. M. (2009): The first seriatim study into old age for weight, stature and BMI: the Fels Longitudinal Study. *Journal of Nutrition, Health & Aging* 13(1):3-5. PMC3750971.
38. Duren D. L., Sherwood R. J., Czerwinski S. A., Lee M., **Choh A. C.**, Siervogel R. M. and Cameron Chumlea W. (2008): Body composition methods: comparisons and interpretation. *Journal of Diabetes Science & Technology* 2(6):1139-1146. PMC2769821.
39. Chumlea W. C., **Choh A.**, Lee M., Sherwood R. J., Duren D., Czerwinski S., Towne B. and Siervogel R. M. (2008): The Fels Longitudinal Study 80 Years. *The Journal of Child Growth and Development (Japan)* 6:174-177.
40. Towne B., Williams K. D., Blangero J., Czerwinski S. A., Demerath E. W., Nahhas R. W., Dyer T. D., Cole S. A., Lee M., **Choh A. C.**, Duren D. L., Sherwood R. J., Chumlea W. C. and Siervogel R. M. (2008): Presentation, heritability, and genome-wide linkage analysis of the midchildhood growth spurt in healthy children from the Fels Longitudinal Study. *Human Biology* 80(6):623-636. PMC2801436.
41. Demerath E. W., Reed D., Rogers N., Sun S. S., Lee M., **Choh A. C.**, Couch W., Czerwinski S. A., Chumlea W. C., Siervogel R. M. and Towne B. (2008): Visceral adiposity and its anatomical distribution as predictors of the metabolic syndrome and cardiometabolic risk factor levels. *American Journal of Clinical Nutrition* 88(5):1263-1271. PMC2801427.
42. Demerath E. W., Sun S. S., Rogers N., Lee M., Reed D., **Choh A. C.**, Couch W., Czerwinski S. A., Chumlea W. C., Siervogel R. M. and Towne B. (2007): Anatomical patterning of visceral adipose tissue: race, sex, and age variation. *Obesity* 15(12):2984-2993. PMC2883307.
43. Williams K. D., Blangero J., Cottom C. R., Lawrence S., **Choh A. C.**, Czerwinski S. A., Lee M., Duren D. L., Sherwood R. J., Dyer T. D., Jha B., Subedi J., Williams-Blangero S. and Towne B. (2007): Heritability of brachydactyly type A3 in children, adolescents,

- and young adults from an endogamous population in eastern Nepal. *Human Biology* 79(6):609-622. PMID:18494372.
44. Demerath E. W., Shen W., Lee M., **Choh A. C.**, Czerwinski S. A., Siervogel R. M. and Towne B. (2007): Approximation of total visceral adipose tissue with a single magnetic resonance image. *American Journal of Clinical Nutrition* 85(2):362-368. PMC2883309.
 45. Duren D. L., Sherwood R. J., **Choh A. C.**, Czerwinski S. A., Chumlea W. C., Lee M., Sun S. S., Demerath E. W., Siervogel R. M. and Towne B. (2007): Quantitative genetics of cortical bone mass in healthy 10-year-old children from the Fels Longitudinal Study. *Bone* 40(2):464-470. PMC1945206.
 46. Czerwinski S. A., Lee M., **Choh A. C.**, Wurzbacher K., Demerath E. W., Towne B. and Siervogel R. M. (2007): Genetic factors in physical growth and development and their relationship to subsequent health outcomes. *American Journal of Human Biology* 19(5):684-691. PMID:17636528.
 47. Demerath E. W., **Choh A. C.**, Czerwinski S. A., Lee M., Sun S. S., Chumlea W. C., Duren D., Sherwood R. J., Blangero J., Towne B. and Siervogel R. M. (2007): Genetic and environmental influences on infant weight and weight change: the Fels Longitudinal Study. *American Journal of Human Biology* 19(5):692-702. PMC2801417.
 48. Remsberg K. E., Rogers N. L., Demerath E. W., Czerwinski S. A., **Choh A. C.**, Lee M., Chumlea W. C., Sun S. S., Towne B. and Siervogel R. M. (2007): Sex differences in young adulthood metabolic syndrome and physical activity: the Fels Longitudinal Study. *American Journal of Human Biology* 19(4):544-550. PMID:17546618.
 49. Demerath E. W., Ritter K. J., Couch W. A., Rogers N. L., Moreno G. M., **Choh A.**, Lee M., Remsberg K., Czerwinski S. A., Chumlea W. C., Siervogel R. M. and Towne B. (2007): Validity of a new automated software program for visceral adipose tissue estimation. *International Journal of Obesity* 31(2):285-291. PMC1783906.
 50. Lee M., Czerwinski S. A., **Choh A. C.**, Demerath E. W., Sun S. S., Chumlea W. C., Towne B. and Siervogel R. M. (2006): Unique and common genetic effects between bone mineral density and calcaneal quantitative ultrasound measures: the Fels Longitudinal Study. *Osteoporosis International* 17(6):865-871. PMID:16541205.
 51. **Choh A. C.**, Czerwinski S. A., Lee M., Demerath E. W., Cole S. A., Wilson A. F., Towne B. and Siervogel R. M. (2006): Quantitative genetic analysis of blood pressure reactivity to orthostatic tilt using principal components analysis. *Journal of Human Hypertension* 20(4):281-289. PMID:16437129.
 52. Lee M., Czerwinski S. A., **Choh A. C.**, Demerath E. W., Sun S. S., Chumlea W. C., Towne B. and Siervogel R. M. (2006): Quantitative genetic analysis of cellular adhesion molecules: the Fels Longitudinal Study. *Atherosclerosis* 185(1):150-158. PMID:16005461.
 53. **Choh A. C.**, Czerwinski S. A., Lee M., Demerath E. W., Wilson A. F., Towne B. and Siervogel R. M. (2005): Quantitative genetic analysis of blood pressure response during the cold pressor test. *American Journal of Hypertension* 18(9 Pt 1):1211-1217. PMID:16182112.
 54. Lee M., Czerwinski S. A., **Choh A. C.**, Towne B., Demerath E. W., Chumlea W. C., Sun S. S. and Siervogel R. M. (2004): Heritability of calcaneal quantitative ultrasound measures in healthy adults from the Fels Longitudinal Study. *Bone* 35(5):1157-1163. PMID:15542041.
 55. **Choh A. C.**, Gage T. B., McGarvey S. T. and Comuzzie A. G. (2001): Genetic and environmental correlations between various anthropometric and blood pressure traits

among adult Samoans. *American Journal of Physical Anthropology* 115(4):304-311.
PMID:11471128.

Articles in Preparation

Reyes-Ortiz C. A., **Choh A. C.**, Diniz B. S., Fisher-Hoch S. P. and McCormick J. B. (2018): Age variation on the association between depressive symptomatology and cognitive performance among Mexican Americans. *International Psychogeriatrics*:(in preparation).

Published books, chapters, reviews:

Czerwinski S. A., **Choh A. C.**, and Lee M. (2018): "Growth and Maturation". In: Konek S. H. and Becker P. (eds.): *Pediatric Nutrition in Clinical Care*. 5th Edition: Burlington, MA: Jones and Bartlett Learning, (in press).

Donini L. M., Czerwinski S. A., **Choh A. C.**, Poggiogalle E., Migliaccio S. and Lenzi A. (2014): "Sarcopenic Obesity". In Lenzi A., Migliaccio S. and Donini L. M. (eds.): *Multidisciplinary Approach to Obesity: From Assessment to Treatment*. Switzerland: Springer International Publishing, AG, pp 89-98.

Invited Presentations:

"Genetic epidemiology in the Fels Longitudinal Study", October 19, 2013, Symposium honouring Susan Pfeiffer's contributions to anthropology at the 41st Annual Meeting of the Canadian Association for Physical Anthropology, Toronto, Ontario, Canada.

"Genetic epidemiology of blood pressure responses to physiological stressors", February 16, 2004, Department of Geography, Geology and Anthropology, Indiana State University, Terre Haute, Indiana.

Abstracts:

2018

1. **Choh A. C.**, Lee M., Maestre G., Towne B., and Czerwinski S. A. (2018): The role of childhood BMI on lifetime blood pressure variability. *The 36th Annual Scientific Meeting of The Obesity Society*, (in press).
2. Limon V. M., Lee M., **Choh, A. C.**, and Czerwinski, S. A. (2018): Impact of metabolic syndrome on mental health related quality of life and depressive symptoms. *The 36th Annual Scientific Meeting of The Obesity Society*, (in press).

2017

3. **Choh A. C.**, Lee M., Gonzalez B., and Czerwinski S. A. (2017): Ectopic fat depots are associated with cardiometabolic risk factors even after adjusting for BMI. *The 35th Annual Scientific Meeting of The Obesity Society*. National Harbor, MD: T-P-3137.

4. Czerwinski S. A., Nahhas R. W., Roa M. O., **Choh A. C.**, and Lee M. (2017): Recent secular trends in abdominal adiposity in the Fels Longitudinal Study. *The 35th Annual Scientific Meeting of The Obesity Society*. National Harbor, MD: T-P-3143.
5. Lee M., **Choh A. C.**, Demerath E. W., and Czerwinski S. A. (2017): Low abdominal adiposity and liver fat content as determinants of metabolically healthy obesity. *The 35th Annual Scientific Meeting of The Obesity Society*. National Harbor, MD: T-P-3140.
6. Lucas K., James P., **Choh A. C.**, Lee M., Czerwinski S. A., Demerath E. W., and Johnson W. (2017): The positive association of infant weight gain with adulthood body mass index has strengthened over time: Fels Longitudinal Study. *10th World Congress on Developmental Origins of Health and Disease*. Rotterdam, the Netherlands: PA1.14.08.
7. Stevens J., Reynolds K. R., Cai J., **Choh A. C.**, and Czerwinski S. A. (2017): External validation of equations to predict percentage body fat using demographic and anthropometric measurements: Fels Longitudinal Study 1999–2006. *Obesity Facts* 10 (Suppl 1):122.

2016

8. 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.
9. Peterson M. J., Czerwinski S. A., Lee M. and **Choh A. C.** (2016): Antecedent and current predictors of performance-based early frailty in midlife and older age: The Fels Longitudinal Study. *Journal of Frailty and Aging* 5(Suppl 1):41.
10. Peterson M. J., Lee M., **Choh A. C.** and Czerwinski S. A. (2016): Cardiorespiratory activity participation and strength mediate the association between biomarkers and functional limitations. *Medicine and Science in Sports and Exercise* 48:487.

2014-2015

11. Marlatt K., MacLehose R., **Choh A. C.**, Czerwinski S. A. and Demerath E. W. (2015): Visceral adipose tissue accumulates rapidly when percent body fat exceeds 30% in women and 16% in men aged 18-59 years. *The Obesity Society Annual Meeting Abstracts*:T-P-3251.
12. Peterson M. J., Lee M., Choh A. C. and Czerwinski S. A. (2015): Serial Grip Strength in Mid-Life and Body Composition in Later-Life: The Fels Longitudinal Study *The Gerontologist* 55(Suppl 2):27.
13. Chu A. Y., Allison M., Borecki I., **Choh A. C.**, Cupples L. A., Demerath E., Deng X., Feitosa M., Fisher V., Fox C. S., Harris T., Harris T., Heard-Costa N., Kacprowski T., Langefeld C., Lindgren C. M., Lu L., Liu Y., Mahajan A., Stafford J., Smith A., Völzke H., Wallaschofski H. and Yao J. (2015): Meta-Analysis of up to 14,262 Individuals Identifies Loci Associated with Measures of Subcutaneous Fat Volume and Attenuation. *Circulation* 131(Suppl 1):AP360.
14. Bowling N. A., **Choh A. C.**, Blackmore C. E., Wurzbacher K. A., Lee M. and Czerwinski S. A. (2015): The relationship between objective job autonomy and objective health. *Society for Industrial and Organizational Psychiatry Annual Meeting*.
15. Johnson W., **Choh A.**, Lee M., Odegaard A., Towne B., Czerwinski S. and Demerath E. (2014): Is Low Infant BMI “Protective”? Counterintuitive Relationship of Infant BMI Z

Score with Later Life Body Composition Trajectories: The 32nd Annual Scientific Meeting of the Obesity Society. Boston, MA, pp. 587.

2013

16. **Choh A. C.**, Lee M., Johnson W., Demerath E. W., Towne B. and Czerwinski S. A. (2013): Genetic epidemiology in the Fels Longitudinal Study. *41st Annual Meeting of the Canadian Association for Physical Anthropology*.
17. Castillo Rivera N. G., Lee M., **Choh A. C.**, Wurzbacher K. A., Chumlea W. C. and Czerwinski S. A. (2013): Physical functioning and grip strength influences on bone health. *2013 Annual Biomedical Research Conference for Minority Students*.
18. Towne B., Blangero J., **Choh A. C.**, Curran J. E., Bellis C., Dyer T. D., Demerath E. W., Lee M. and Czerwinski S. A. (2013): Visceral adiposity linked to chromosome 9p24.2 in adults from the Fels Longitudinal Study. *Presented at the 63rd Annual Meeting of The American Society of Human Genetics*:1171T.
19. Johnson W., **Choh A. C.**, Lee M., Towne B., Czerwinski S. A. and Demerath E. W. (2013): Magnitude and timing of the peak in infant BMI is influenced by both environmental and genetic factors. *American Journal of Human Biology* 25(2):261.
20. **Choh A. C.**, Lee M., Curran J. E., Demerath E. W., Dyer T. D., Bellis C., Siervogel R. M., Blangero J., Towne B. and Czerwinski S. A. (2013): Genetic linkage and association of echocardiographic measures in the Fels Longitudinal Study. *Circulation* 127(Suppl 12):AP153.
21. Lee M., **Choh A. C.**, Curran J. E., Demerath E. W., Dyer T. D., Blangero J., Towne B. and Czerwinski S. A. (2013): Significant associations between genetic variation on chromosome 10p and arterial stiffness in adults from the Fels Longitudinal Study. *Circulation* 127(Suppl 12):AMP34.

2012

22. Johnson W., **Choh A. C.**, Curran J. E., Czerwinski S. A., Bllis C., Dyer T. D., Blangero J., Towne B. and Demerath E. W. (2012): Is genetic risk for earlier age at menarche associated with peri-pubertal body mass index? *American Journal of Epidemiology* 175(Suppl 11):S140.
23. Johnson W., **Choh A. C.**, Soloway L. E., Czerwinski S. A., Towne B. and Demerath E. W. (2012): Eighty-year trends in infant weight and length growth: the Fels Longitudinal Study. *American Journal of Human Biology* 24(2):229-230.
24. Czerwinski S. A., **Choh A. C.**, Lee M., Wurzbacher K. A., Siervogel R. and Towne B. (2012): Predictors of elevated liver fat content in the Fels Longitudinal Study. *Obesity*:S216.
25. Towne B., Blangero J., **Choh A. C.**, Curran J. E., Bellis C., Dyer T. D., Demerath E. W., Lee M., Siervogel R. and Czerwinski S. A. (2012): Genome-wide association analysis of percent body fat in adults from the Fels Longitudinal Study. *62nd Annual Meeting of the American Society of Human Genetics*:508.
26. **Choh A. C.**, Demerath E. W., Lee M., Johnson W. O., Curran J. E., Bellis C., Dyer T. D., Blangero J., Towne B. and Czerwinski S. A. (2012): Differential genetic effects influence BMI from birth to middle adulthood: The Fels Longitudinal Study. *Obesity*:S210.
27. Lee M., **Choh A. C.**, Demerath E. W., Curran J. E., Dyer T. D., Blangero J., Towne B. and Czerwinski S. A. (2012): Genetic linkage and association of serum resistin levels in the Fels Longitudinal Study *Obesity*:S212.

28. Demerath E. W., **Choh A. C.**, Johnson W., Curran J. E., Dyer T. D., Lee M., Towne B., Blangero J. and Czerwinski S. A. (2012): Secular trends in the effect of an obesity genetic risk score on adulthood BMI and adiposity. *Obesity*:S62-63.
- 2011
29. Towne B., Blangero J., Curran J. E., Bellis C., Dyer T. D., Williams K. D., Demerath E. W., **Choh A. C.**, Lee M., Siervogel R. M. and Czerwinski S. A. (2011): Genome-wide association analysis of skeletal maturation in healthy children from the Fels Longitudinal Study. *12th International Congress of Human Genetics/61st Annual Meeting of the American Society of Human Genetics*:153.
30. Linabery A., Nahhas R. W., **Choh A. C.**, Odegaard A. O., Johnson C. L., Towne B., Czerwinski S. A. and Demerath E. W. (2011): Stronger effects of maternal than paternal obesity on infant BMI growth curves. *American Journal of Epidemiology* 173(S1):S281.
31. Khalil N., Lee M., **Choh A. C.**, Wurzbacher K. A., Duren D. L., Chumlea W. C., Towne B., Siervogel R. M. and Czerwinski S. A. (2011): Association of bone mineral density with insulin sensitivity indices in normoglycemic men and women in the Fels Longitudinal Study. *Journal of Bone and Mineral Research* 26(Suppl 1):S210.
32. Czerwinski S. A., Lee M., Towne B., Curran J. E., Dyer T. D., **Choh A. C.**, Blangero J. and Siervogel R. M. (2011): Genome-wide association analysis of hip structure phenotypes in the Fels Longitudinal Study. *Journal of Bone and Mineral Research* 26(Suppl 1):S441.
33. Lee M., **Choh A. C.**, Wurzbacher K. A., Demerath E. W., Sherwood R. J., Duren D. L., Siervogel R. M., Towne B. and Czerwinski S. A. (2011): Inverse associations between abdominal visceral adipose tissue and bone density. *Journal of Bone and Mineral Research* 26(Suppl 1):S218.
34. Johnson W. O., Stovitz S. D., **Choh A. C.**, Czerwinski S. A., Towne B. and Demerath E. W. (2011): Changes in weight, height, and BMI from birth to 18 years in the development of young adult overweight. *Obesity* 19:S220-S221.
35. Lee M., **Choh A. C.**, Towne B., Chumlea W. C., Siervogel R. M. and Czerwinski S. A. (2011): Serum resistin levels are associated with left ventricular mass independent of adiposity. *Obesity* 19:S169-S169.
36. Demerath E. W., Curran J. E., **Choh A. C.**, Linabery A. M., Johnson W. O., Odegaard A. O., Czerwinski S. A., Blangero J. and Towne B. (2011): An effect of maternal, but not parental, body mass index (BMI) on serial infant BMI, independent of additive genetic influences. *Obesity* 19:S231-S231.
37. Demerath E. W., **Choh A. C.**, Curran J. E., Linabery A. M., Dreyfus J., Johnson W. O., Odegaard A. O., Czerwinski S. A., Blangero J. and Towne B. (2011): Genetic variants associated with earlier menarche exhibit significant associations with infant linear growth. *Obesity* 19:S64-S65.
38. **Choh A. C.**, Lee M., Wurzbacher K. A., Siervogel R. M., Towne B., Czerwinski S. A. and Demerath E. W. (2011): Maturation influences on body composition in adulthood. *Obesity* 19:S223-S223.
39. Johnson W. O., Gray H., **Choh A. C.**, Czerwinski S. A., Towne B. and Demerath E. W. (2011): Emergence of greater stature and advanced skeletal maturity during early life in overweight young adults. *Pediatric Academic Societies Annual Meeting*.

40. Odegaard A., **Choh A. C.**, Czerwinski S. A. and Demerath E. W. (2011): Systematic examination of infant growth metrics and their association with development of obesity in early childhood. *American Journal of Physical Anthropology* 144(S52):227-228.
41. Czerwinski S. A., Nahhas R. W., Chumlea W. C., **Choh A. C.** and Lee M. (2011): Body composition over the lifespan. *American Journal of Physical Anthropology* 144(S52):119.
42. Lee M., **Choh A. C.**, Towne B., Chumlea W. C. and Czerwinski S. A. (2011): Fat patterning is associated with arterial stiffness. *Circulation* 123:318-319.
43. **Choh A. C.**, Lee M., Towne B. and Czerwinski S. A. (2011): Maturational influences on blood pressure during childhood. *Circulation* 123:193.

2010

44. Towne B., Kent J. W., Bellis C., Curran J. E., Demerath E. W., Williams K. D., Dyer T. D., **Choh A. C.**, Chumlea W. C., Siervogel R. M., Blangero J. and Czerwinski S. A. (2010): Genome-wide association study of the timing of the pubertal growth spurt in healthy children from the Fels Longitudinal Study. *American Society of Human Genetics Abstracts*:153.
45. Duren D. L., Nahhas R. W., Sherwood R. J., Lee M., **Choh A.**, Towne B., Czerwinski S. A., Siervogel R. M. and Chumlea W. C. (2010): Secular trend for earlier skeletal maturation in US children. *Journal of Bone and Mineral Research* 25(Suppl 1).
46. Lee M., **Choh A. C.**, Towne B., Dyer T. D., Duren D., Nahhas R. W., Sherwood R. J., Chumlea W. C., Siervogel R. M., Cole S. A. and Czerwinski S. A. (2010): Significant quantitative trait loci on chromosomes 3 and 16 linked to proximal hip geometry in the Fels Longitudinal Study. *Journal of Bone and Mineral Research* 25(Suppl 1).
47. Czerwinski S. A., Nahhas R. W., Lee M., **Choh A. C.**, Demerath E. W. and Towne B. (2010): Prediction equations for estimating visceral adipose tissue. *Obesity* 18(Suppl. 2):S173.
48. Odegaard A., **Choh A. C.**, Towne B., Czerwinski S. A. and Demerath E. W. (2010): Systematic examination of infant growth metrics and their association with development of obesity in early adulthood: The Fels Longitudinal Study. *Obesity Late-Breaking Abstracts*:10.
49. Odegaard A., **Choh A. C.**, Towne B., Czerwinski S. A. and Demerath E. W. (2010): Sugar-sweetened beverages and visceral adiposity in adults. *Obesity* 18(Suppl. 2):S184.
50. **Choh A. C.**, Nahhas R. W., Lee M., Towne B., Demerath E. W. and Czerwinski S. A. (2010): Childhood overweight history predicts adult visceral adiposity. *Obesity* 18(Suppl. 2):S194-S195.

2009

51. Demerath E. W., Soloway L., Nahhas R. W., **Choh A. C.**, Chumlea W. C., Siervogel R. M., Towne B. and Czerwinski S. A. (2009): Concurrent secular trends in birth weight and infant weight gain, 1929-1999: The Fels Longitudinal Study. *Obesity* 17(Suppl. 2):S65.
52. **Choh A. C.**, Curran J. E., Dyer T. D., Czerwinski S. A., Towne B., Blangero J. and Demerath E. W. (2009): Association between genetic variants in the FTO gene and infant weight gain. *Obesity* 17(Suppl. 2):S296.
53. Soloway L. E., Erickson D., **Choh A. C.**, Lee M., Chumlea W. C., Siervogel R. M., Czerwinski S. A., Towne B. and Demerath E. W. (2009): Birth cohort effects on

- childhood BMI trajectories: 70 years of data from the Fels Longitudinal Study. *Circulation* 119(10):31.
54. Lee M., **Choh A. C.**, Nahhas R. W., Chumlea W. C., Demerath E. W., Duren D. L., Sherwood R. J., Towne B., Siervogel R. M. and Czerwinski S. A. (2009): Increased arterial stiffness with high-sensitive C-Reactive protein levels in women, but not in men. *Circulation* 119(10):63-64.
 55. Czerwinski S. A., Lee M., Nahhas R. W., **Choh A. C.**, Demerath E. W., Duren D. L., Sherwood R. J., Towne B., Chumlea W. C. and Siervogel R. M. (2009): Serum adiponectin levels and cardiovascular disease risk factors in the Fels Longitudinal Study. *Circulation* 119(10):44.
 56. **Choh A. C.**, Choi Y. S., Nahhas R. W., Lee M., Chumlea W. C., Williams K. D., Duren D. L., Sherwood R. J., Towne B., Demerath E. W., Siervogel R. M. and Czerwinski S. A. (2009): Secular trends in longitudinal blood pressure with age. *Circulation* 119(10):47.
 57. Nahhas R. W., **Choh A. C.**, Lee M., Chumlea W. C., Sherwood R. J., Duren D. L., Towne B., Siervogel R. M. and Czerwinski S. A. (2009): Longitudinal analysis of grip strength over the lifespan. *American Journal of Physical Anthropology* 138(Suppl 48):303.
 58. Cameron N., Jones L., Hawley N., Norris S., Pettifor J., Duren D. L., Sherwood R. J., **Choh A. C.**, Chumlea W. C., Towne B., Siervogel R. M. and Demerath E. W. (2009): Rapid infant weight gain and the rate of skeletal maturation. *American Journal of Human Biology* 21(2):248.
 59. Demerath E. W., Erickson D., Soloway L., **Choh A. C.**, Lee M., Chumlea W. C., Siervogel R. M., Czerwinski S. A. and Towne B. (2009): Infant growth, parental obesity, and childhood BMI: 70 years of data from the Fels Longitudinal Study. *American Journal of Human Biology* 21(2):251.
 60. **Choh A. C.**, Lee M., Nahhas R. W., Blangero J., Towne B., Wilson A. F., Siervogel R. M., Cole S. A. and Czerwinski S. A. (2009): Gene-by-age interaction effects on grip strength: The Southwest Ohio Family Study. *American Journal of Human Biology* 21(2):249-250.
 61. Sun S. S., Schubert C., Chumlea W. C., Towne B., Lee M., Czerwinski S. A., **Choh A. C.** and Siervogel R. M. (2008): Childhood Precursors for Adulthood Cardiovascular and Type 2 Diabetes. *Obesity* 16 Suppl 1:S92-S93.
- 2008
62. Demerath E. W., Rogers N. L., Reed D., **Choh A. C.**, Czerwinski S. A., Lee M., Tang W., Chumlea W. C., Siervogel R. M. and Towne B. (2008): Menopausal status does not impact visceral adipose tissue mass in a large sample of healthy women. *Obesity* 16 Suppl 1:S206-S207.
 63. **Choh A. C.**, Lee M., Demerath E. W., Siervogel R. M., Goring H. H., Dyer T. D., Blangero J., Towne B., Cole S. A. and Czerwinski S. A. (2008): Evidence for quantitative trait loci influencing body composition phenotypes on chromosome 14: The Southwest Ohio Family Study. *Obesity* 16 Suppl 1:S256.
 64. Duren D. L., Blangero J., Sherwood R. J., Curran J. E., Dyer T. D., Cole S. A., Czerwinski S. A., Chumlea W. C., Lee M., **Choh A. C.**, Demerath E. W., Siervogel R. M. and Towne B. (2008): Childhood cortical bone and skeletal age show bivariate genetic linkage to chromosome 2p. *Journal of Bone and Mineral Research* 23(Suppl 1):S50.

65. Lee M., Nahhas R. W., **Choh A. C.**, Demerath E. W., Chumlea W. C., Duren D. L., Sherwood R. J., Williams K. D., Towne B., Siervogel R. M. and Czerwinski S. A. (2008): Longitudinal analysis of calcaneal quantitative ultrasound measures during childhood. *Journal of Bone and Mineral Research* 23(Suppl 1):S454.
66. Lee M., Czerwinski S. A., Liang R., **Choh A. C.**, Sun S. S., Duren D. L., Sherwood R. J., Demerath E. W., Chumlea W. C., Towne B. and Siervogel R. M. (2008): Sex-Specific relationship between apolipoprotein AI and metabolic syndrome. *Diabetes* 57(Suppl 1):A287.
67. Demerath E. W., Czerwinski S. A., **Choh A. C.**, Lee M., Soloway L., Chumlea W. C., Towne B. and Siervogel R. M. (2008): Accelerated skeletal development among infants experiencing catch-up growth and subsequently higher adulthood visceral adiposity: The Fels Longitudinal Study. *Diabetes* 57(Suppl 1):A489.
68. **Choh A. C.**, Lee M., Towne B., Siervogel R. M., Goring H. H., Dyer T. D., Blangero J., Cole S. A. and Czerwinski S. A. (2008): Genome-wide scan for muscle phenotypes: The Southwest Ohio Family Study. *American Journal of Human Biology* 20(2):216-217.
- 2007
69. Demerath E. W., Sun S. S., Lee M., Rogers N. L., Reed D., **Choh A. C.**, Couch W., Chumlea W. C., Czerwinski S. A., Siervogel R. M. and Towne B. (2007): Sex, race, and age differences in the topography of visceral adipose tissue. *Circulation* 115(8):E221.
70. Lee M., Czerwinski S. A., Goring H. H., Dyer T. D., Haack K., Sun S. S., Chumlea W. C., **Choh A. C.**, Demerath E. W., Towne B., Blangero J., Cole S. A. and Siervogel R. M. (2007): A genome-wide linkage scan for aortic root diameter: The Southwest Ohio Family Study. *Circulation* 115(8):E299-E300.
71. **Choh A. C.**, Demerath E. W., Goring H. H., Dyer T. D., Haack K., Blangero J., Lee M., Towne B., Siervogel R. M., Cole S. A. and Czerwinski S. A. (2007): Suggestive linkage for QTL influencing visceral adiposity on chromosomes 13 and 17: The Southwest Ohio Family Study. *Circulation* 115(8):E229.
72. Demerath E. W., Reed D., **Choh A. C.**, Lee M., Czerwinski S. A., Siervogel R. M. and Towne B. (2007): Significant interaction between abdominal subcutaneous and visceral adipose tissue mass on the risk of the metabolic syndrome. *Obesity* 15(Supplement):A11.
73. Czerwinski S. A., Lee M., **Choh A. C.**, Demerath E. W., Towne B., Sherwood R. J., Duren D., Blangero J., Cole S. A. and Siervogel R. M. (2007): Genome-wide scan for QTL influencing bone mineral density: The Southwest Ohio Family Study. *Journal of Bone and Mineral Research* 22 (suppl):S405.
74. Lee M., **Choh A. C.**, Demerath E. W., Towne B., Sherwood R. J., Duren D. L., Blangero J., Siervogel R. M., Cole S. A. and Czerwinski S. A. (2007): Evidence for QTL underlying normal variation in calcaneal quantitative ultrasound measures: The Southwest Ohio Family Study. *Journal of Bone and Mineral Research* 22 (suppl 1):S406.
75. **Choh A. C.**, Demerath E. W., Lee M., Towne B., Siervogel R. M. and Czerwinski S. A. (2007): Household and genetic influences on physical activity and body composition: The Southwest Ohio Family Study. *American Journal of Human Biology* 19(2):251.
- 2006
76. Czerwinski S. A., Lee M., **Choh A. C.**, Demerath E. W., Chumlea W. C., Sun S. S., Towne B. and Siervogel R. M. (2006): Gene-by-sex interaction: evidence of effects on

- serum osteocalcin levels in the Fels Longitudinal Study. *Osteoporosis International* 17(S2):S223.
77. Lee M., Remsberg K. E., Wurzbacher K. A., **Choh A. C.**, Demerath E. W., Chumlea W. C., Sun S. S., Towne B., Siervogel R. M. and Czerwinski S. A. (2006): Longitudinal associations between physical activity and bone mass during childhood: The Fels Longitudinal Study. *Osteoporosis International* 17(S2):S50.
 78. Demerath E. W., **Choh A. C.**, Lee M., Czerwinski S. A., Sherwood R., Duren D., Sun S. S., Chumlea W. C., Siervogel R. M. and Towne B. (2006): Accelerated growth during infancy and increased visceral adiposity in adulthood: The Fels Longitudinal Study. *Obesity Research* 14(Supplement):A35.
 79. **Choh A. C.**, Demerath E. W., Lee M., Towne B., Czerwinski S. A. and Siervogel R. M. (2006): Genetic relationship between physical activity and visceral adipose tissue: The Southwest Ohio Family Study. *Obesity* 14(Supplement):A265.
 80. Demerath E. W., **Choh A. C.**, Lee M., Czerwinski S. A. and Siervogel R. M. (2006): Familial resemblance of physical activity levels in adults: genetic and shared household effects. *Circulation* 113(8):E323.
 81. Lee M., Czerwinski S. A., **Choh A. C.**, Demerath E. W., Towne B., Cole S. A., Blangero J. and Siervogel R. M. (2006): Oxidized LDL and its relationship to cardiovascular disease risk factors. *Circulation* 113(8):E368.
 82. Demerath E., **Choh A. C.**, Czerwinski S. A., Towne B. and Siervogel R. M. (2006): Genetic influences on growth rate during infancy: Data from the Fels Longitudinal Study. *American Journal of Physical Anthropology* 129(S42):83.
 83. Czerwinski S. A., **Choh A. C.**, Demerath E., Lee M., Towne B. and Siervogel R. M. (2006): Genetic factors in physical growth and development. *American Journal of Physical Anthropology* 129(S42):80.
- 2005
84. Demerath E. W., **Choh A. C.**, Sun S. S., Chumlea W. C., Tyleshevski F., Lee M., Remsberg K. E., Czerwinski S. A., Towne B. and Siervogel R. M. (2005): Changes in the tissue composition of BMI in children, 1980 - 2000: The Fels Longitudinal Study. *Obesity Research* 13(Supplement):A27-A28.
 84. **Choh A. C.**, Demerath E. W., Sun S. S., Chumlea W. C., Czerwinski S. A., Lee M., Remsberg K. E., Rogers N. L., Towne B. and Siervogel R. M. (2005): Changes in the fat composition of BMI in adults, 1980 - 2000: The Fels Longitudinal Study. *Obesity Research* 13(Supplement):A28.
 86. Czerwinski S. A., Lee M., **Choh A. C.**, Mbamalu O., Remsberg K. E., Demerath E. W., Towne B., Chumlea W. C., Sun S. S. and Siervogel R. M. (2005): Periodontal disease and cardiovascular disease risk factors: The Fels Longitudinal Study. *Circulation* 111(14):246.
 87. Lee M., Czerwinski S. A., Demerath E. W., **Choh A. C.**, Dyer T., Cole S. A., Siervogel R. M., Blangero J. and Towne B. (2005): Quantitative trait loci influencing serum concentrations of P-selectin and E-selectin. *Circulation* 111(14):229.
 88. Demerath E. W., Towne B., Schubert C. M., Lee M., **Choh A. C.**, Siervogel R. M., Czerwinski S. A., Chumlea W. C., Pickoff A., Daniels S. and Sun S. S. (2005): Visceral adiposity and left ventricular mass in healthy men and women. *Circulation* 111(14):198.

89. **Choh A. C.**, Czerwinski S. A., Lee M., Demerath E. W., Towne B. and Siervogel R. M. (2005): A quantitative genetic comparison of blood pressure reactivity to limb and face immersion. *Circulation* 111(14):231.
90. Czerwinski S. A., **Choh A. C.**, Lee M., Demerath E. W., Towne B. and Siervogel R. M. (2005): Heritability of appendicular skeletal muscle mass in healthy adults. *American Journal of Physical Anthropology* 126(S40):91.
91. Demerath E. W., **Choh A. C.**, Czerwinski S. A., Siervogel R. M. and Towne B. (2005): Measurement and assessment of centralized adiposity for genetic epidemiological studies of the Metabolic Syndrome. *American Journal of Physical Anthropology* 126(S40):93-94.
92. Towne B., **Choh A. C.**, Czerwinski S. A. and Siervogel R. M. (2005): Quantitative genetic architecture of adiposity and associated Metabolic Syndrome risks. *American Journal of Physical Anthropology* 126(S40):207.
- 2004
93. Demerath E. W., **Choh A. C.**, Czerwinski S. A. and Siervogel R. M. (2004): Quantitative genetics of BMI and abdominal visceral and subcutaneous adipose tissue in adults. *Obesity Research* 12(Suppl.):A26.
94. Czerwinski S. A., Lee M., **Choh A. C.**, Demerath E. W., Chumlea W. C., Sun S. S. and Siervogel R. M. (2004): Genome-wide scan for QTL underlying normal variation in calcaneal quantitative ultrasound measures: The Fels Longitudinal Study. *Journal of Bone and Mineral Research* 19(Suppl 1):S381.
95. Lee M., Czerwinski S. A., **Choh A. C.**, Towne B., Demerath E. W., Chumlea W. C., Sun S. S. and Siervogel R. M. (2004): Unique and common genetic effects between bone mineral density and calcaneal quantitative ultrasound measures among healthy adults: The Fels Longitudinal Study. *Journal of Bone and Mineral Research* 19(Suppl 1):S244.
96. Sun S. S., Wu R. S., Chumlea W. C., Demerath E. W., **Choh A. C.**, Lee M., Remsberg K. E., Czerwinski S. A., Towne B. and Siervogel R. M. (2004): Childhood precursors for adulthood metabolic syndrome. *Circulation* 109(7):5.
97. Czerwinski S. A., **Choh A. C.**, Lee M., Demerath E. W., Towne B. and Siervogel R. M. (2004): Genetic architecture of BMI before and after a 20-year follow-up: The Southwest Ohio Family Study. *Circulation* 109(7):16.
98. **Choh A. C.**, Czerwinski S. A., Demerath E. W., Towne B. and Siervogel R. M. (2004): Quantitative genetic analysis of blood pressure reactivity to the cold pressor test. *Circulation* 109(7):19.
99. **Choh A. C.**, Czerwinski S. A., Lee M., Demerath E. W., Towne B. and Siervogel R. M. (2004): Quantitative genetic analysis of blood pressure before, during, and after isometric exercise. *American Society of Human Genetics Abstracts* 75:516.
100. **Choh A. C.**, Czerwinski S. A., Demerath E. W., Cole S. A., Towne B. and Siervogel R. M. (2004): Quantitative genetic analysis of blood pressure reactivity to orthostatic tilt. *American Journal of Human Biology* 16(2):198.
- 1996-2002
101. **Choh A. C.**, McGarvey S. T. and Gage T. B. (2002): American Samoan obesity patterns. *American Journal of Human Biology* 14(1):10.

102. **Choh A. C.**, Gage T. B. and McGarvey S. T. (2000): Genetic and environmental correlations between blood pressure and anthropometric measurements among juvenile Samoans. *American Journal of Human Biology* 12(2):264.
103. **Choh A. C.** (1999): Genetic and environmental correlations between various anthropometric and blood pressure traits among Samoans. *American Journal of Physical Anthropology* Supplement 28:106-107.
104. **Choh A. C.**, Schell L. M. and Stark A. D. (1999): Length at birth: its value for the assessment of newborn status and prenatal growth. *American Journal of Human Biology* 11(1):107.
105. Denham M., Schell L. M., **Choh A.**, Gallo M., Newman J. and Akwesasne Task Force on the Environment (1999): Sexual maturation of Akwesasne Mohawk youth. *American Journal of Human Biology* 11(1):109.
106. **Choh A. C.**, Gage T. B. and McGarvey S. T. (1997): Heritabilities of various obesity related factors in Samoans. *American Journal of Human Biology* 9(1):125.
107. **Choh A. C.** (1996): Allometric relationships of neonatal anthropometric measurements. *American Journal of Physical Anthropology* 22 Supplement:84.

1993-1994

108. **Choh A. C.** and Mahaney M. C. (1994): Proportionality and birthweight in healthy, term neonates. *American Journal of Human Biology* 6(1):119.
109. Berti P. R., **Choh A.** and Mahaney M. C. (1993): Conservative scoring and exclusion of the phenomenon of interest in LEH studies. *American Journal of Human Biology* 5(1):134.

TEACHING EXPERIENCE / INTERESTS:

Fall 2018	Instructor for Epidemiology 1 (PHWM2612), University of Texas Health Science Center at Houston – School of Public Health, Online Class.
Spring 2002	Graduate Teaching Assistant in Cultural Anthropology (ANT108), University at Albany-SUNY. Supervisor: Bradley Tatar.
Fall 1997	Graduate Teaching Assistant in Environment, Economics and Culture, Society and Biology (ANT355Z), University at Albany-SUNY. Supervisors: Jan Olson and Geoffrey Purcell (respectively).
Summer 1997	Instructor for Introduction to Human Evolution (ANT110N), University at Albany-SUNY.
Spring 1997	Graduate Teaching Assistant in Physical Growth and Development (ANT319), University at Albany. Supervisor: Dr. Lawrence Schell.
Fall 1996	Graduate Teaching Assistant in Human Evolution (ANT110N), University at Albany-SUNY. Supervisor: Dr. Dean Falk.

- Spring 1996 Graduate Teaching Assistant in Introduction to Biological Anthropology (ANT102), University at Albany-SUNY. Supervisor: Dr. Carol Raemsch.
- Fall 1995 Graduate Teaching Assistant in Human Population Biology (ANT 211), University at Albany-SUNY. Supervisor: Dr. Timothy B. Gage.
- Spring 1995 Graduate Teaching Assistant in Demography (ANT 313), University at Albany-SUNY. Supervisor: Dr. Timothy B. Gage.
- Spring 1993 Received certificate in University Teaching: Theory and Practice. Sponsored by the Faculty of Graduate Studies and Teaching Support Services, University of Guelph.
- Spring 1993, 1992 Graduate Teaching Assistant in Human Evolution (75-208), School of Human Biology, University of Guelph. Supervisor: Dr. Susan K. Pfeiffer.
- Fall 1992, 1991 Graduate Teaching Assistant in Developmental Human Biology (75-308), School of Human Biology, University of Guelph. Supervisor: Dr. Michael C. Mahaney.

Teaching Interests:

Introduction to Epidemiology
Introduction to Biostatistics
Lifecourse Epidemiology
Genetic Epidemiology
Cardiovascular Disease Epidemiology

MENTORING / ADMINISTRATION:

Assistant Director: Short-Term Training Program to Increase Diversity in Health-Related Research (STREAMS, formerly Short-Term Research Experience Access for Minority Students), Wright State University. November 2015-September 2016

Interim Assistant Director: Short-Term Training Program to Increase Diversity in Health-Related Research (STREAMS, formerly Short-Term Research Experience Access for Minority Students), Wright State University. July 2015-August 2015

Postdoctoral Fellow:

University of Texas Health Science Center at San Antonio:

2018 – present

Marlene Garcia, MD, Kleberg Grant Recipient

Co-mentor

Graduate Students:*University of Texas Health Science Center at Houston – School of Public Health, Brownsville**Regional Campus:*

2017 – present	Mario Ramos, MPH student in Epidemiology	Faculty Advisor
2017 – present	Vanessa Salazar, MPH student in Health Promotion and Behavioral Sciences	Faculty Advisor
2017 - 2018	Brandon Gonzalez, MPH student in Epidemiology	Committee Member
2017 - 2018	Victoria M. Limon, MPH student in Health Promotion and Behavioral Sciences	Committee Member
2017 - 2018	Nelson Gonzalez, MPH student in Epidemiology	Committee Member

Wright State University:

June 2013 – Aug. 2013	Pamela M. Cullen, Grad Prep Biomedical Graduate Degree Preparation Program	Mentor
Nov. 2008 – Jul. 2009	Sushant Takesande, Biomedical Science MS student in CVD and genetic epidemiology	Committee Member

Undergraduate:*Summer Institute for South Texas Public Health Research, UTHealth Science Center at Houston, School of Public Health:*

2018	Yash Motwani, University of Texas at Austin	(Primary mentor)
2017	Roma Bhandarkar, University of Texas at Austin	(Co-mentor)
2017	Umer Jalil, University of Texas Rio Grande Valley	(Co-mentor)

RGV Summer Science Internship, UTHealth Science Center at Houston, School of Public Health:

2018	Oscar Hernandez, Gladys Porter High School	(Co-mentor)
------	--	-------------

Short-Term Research Experience Access for Minority Students (STREAMS), Wright State University:

2015	Paloma Wiggins, Smith College (3rd place poster competition winner)	(Co-mentor with Drs. S. Czerwinski, M. Lee, and M. Peterson)
2015	Tevin Dorsey, North Carolina A&T State University	(Co-mentor with Drs. S. Czerwinski, M. Lee, and M. Peterson)
2008	Miguel Vizbal, Boston University	(Co-mentor with Dr. Wm. C. Chumlea)
2008	Lauren Biekman, Vanderbilt University	(Co-mentor with Dr. M. Lee)
2006	Jessica Chavez	(Co-mentor with Drs. W.C. Cameron and M. Lee)
2005	Afton Jackson	(Co-mentor with Drs. S. Czerwinski and M. Lee)

Audrey C. Choh

2004	O. Rita Mbamalu	(Co-mentor with Drs. S. Czerwinski and M. Lee)
2004	Vicki De Santos	(Co-mentor with Drs. B. Towne and D. Duren)

PROFESSIONAL MEMBERSHIP:

Current: The Obesity Society, American Heart Association

Past: Human Biology Association, American Association of Physical Anthropologists,
Canadian Association for Physical Anthropology

SERVICE:

National:

Chair: Mentoring subcommittee of The Obesity Society Epidemiology Interest Group.
October 2011 – January 2015

Reviewer: *Frontiers in Genetics, BMC Medical Genetics, Journal of Human Hypertension, Annals of Human Biology, Human Biology, American Journal of Human Biology, American Journal of Hypertension, Obesity, Public Health Nutrition, Human Genetics, International Journal of Obesity, PLoS One, Circulation: Cardiovascular Disease Genetics, Mayo Clinic Proceedings.*

Regional:

Steering Committee: Obesity Research Group, Ohio Center for Excellence in Human-Centered Innovation (OHCI), Wright State University. January 2012 – July 2012

TRAINING:

Applied Biostatistical & Epidemiological Methods, Survival Analysis, July 16-20, 2007 at the Ohio State University, Columbus, Ohio

Advanced Gene Mapping/Linkage Analysis Course, December 7-13, 2003 at Rockefeller University, New York, New York.

29th Ten-Day Seminar on the Epidemiology and Prevention of Cardiovascular Disease, July 20 - August 1, 2003 at Lake Tahoe, California.

RESEARCH TOOLS:

Genetic Analysis: Genome-Wide-Association (GWA) analysis (measured genotype analysis using SNPs), linkage analysis, combined linkage/association analysis, bivariate linkage analysis, qtl by age, qtl by environment analysis, quantitative genetic analysis, multivariate analysis, gene by age, gene by environment analysis, joint linkage and association analysis.

Anthropometric skills: Experience in use of skinfold calipers, spreading calipers, stadiometer, blood pressure sphygmomanometers and neonatometers.

Computer skills: Proficient in UNIX, Windows and Macintosh Platforms. Programming in SAS, SPSS, S-plus, LISREL, C, SED, AWK, tcl, sh, csh, tcsh. Minor programming Dbase, R. Familiarity with C⁺⁺, Fortran. Proficient in PEDSYS (all platforms), SOLAR (versions 1.7.3 and 4.2.9) and other UNIX based programs/executables such as the vi-editor, gcc. Working knowledge of PAP revision 3. Proficient in IBM based software such as Excel, Word, WordPerfect, Power Point, as well as Windows and MS-DOS. Proficient with Macintosh based software such as Word, PedDraw, and Q-Edit.

Database management: Management of genetic database on UNIX platform including pedigree, IBD, and STR and SNP marker data for linkage and GWA at the Lifespan Health Research Center. These tasks include data retrieval, quality control and error checking of data. Other center related tasks include updating software, and power calculations.

AREAS OF RESEARCH INTEREST:

I am a genetic epidemiologist interested in risk factors related to obesity, blood pressure, growth and development, and cardiovascular disease. Using various statistical genetic methods such as genome-wide linkage analysis and family-based genome-wide association studies (GWAS), my research has examined the genetic architecture of blood pressure, obesity, and body composition. I have also collaborated with various large international consortiums conducting population- and family-based genetic studies. More recently, my research interests have expanded to include the influence of childhood, adulthood and lifetime adiposity and blood pressure history on cognition and cerebrovascular health in later life in the Fels Longitudinal Study.