

Curriculum Vitae

Sandra L. Laston , PhD.

Professor of Research
Primary and Community Care,
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Position

Professor/Research, Department of Human Genetics and South Texas Diabetes and Obesity Institute

Education

1992 **PhD, Case Western Reserve University**, Cleveland, OH, Medical Anthropology
1987 **MA, Case Western Reserve University**, Cleveland, OH, Medical Anthropology
1985 **BA, Kent State University**, Kent, OH, Anthropology
1972 **Diploma, Idabelle Firestone School of Nursing**, Akron, OH, Nursing

Licensure

2013 State of Texas, Nursing License No. RN-824047
1972 State of Ohio, Nursing License No. RN-121914 (status-inactive)

Employment

1972-1982 Staff Nurse, Charge Nurse, general duty and operating room, OH, CA

1982-1983 Staff Nurse, operating room, King Faisal Military Hospital, Khamis Mushayt, Saudi Arabia

1985-1987 Staff Nurse, operating room, Akron City Hospital, Akron, Ohio.

1989-1991 Co-Investigator/Project Coordinator, child survival research, Kathmandu, Nepal.

1992-1996 Anthropologist, Community Health Division, The International Center for Diarrhoeal Disease Research, Bangladesh (ICDDR,B)

1997-1998 Independent Consultant, International Public Health, Akron, OH

1998-2000 Adjunct Associate Professor, University of Akron, Akron, OH

2000-2001 Research Associate, University of Akron, Akron, OH

2001-2014 Staff Scientist, Texas Biomedical Research Institute, San Antonio, TX

2014-2023 Associate Professor/Research, Department of Human Genetics, South Texas Diabetes and Obesity Institute, Brownsville, TX

2023-current Professor/Research, Department of Human Genetics, South Texas Diabetes and Obesity Institute, Brownsville, TX

Professional Service

2001-2014 Strong Heart Study (SHS) Steering Committee Member

2005-2007 Dissertation Committee Member, Familial Aggregation of Physical Activity Levels in the Strong Heart Family Study, Kristi Storti, University of Pittsburgh.

2005-2006 Conference Organizer for National Conference: Reducing Health Disparities in American Indian and Alaska Natives by Preventing Diabetes Throughout the Life Cycle. Aug. 21-24, 2006. Oklahoma City, OK.

2007-2011 Morbidity and Mortality Committee Member, GOCADAN Study

2011-2014 Viva la Familia Study Steering Committee Member

2013-2014 The Western Alaska Tribal Collaborative for Health (WATCH) Steering Committee Member

2016-2017 Search Committee Chair, Associate Dean for Diversity, UTRGV

2016-2017 Member of the UTRGV Institutional Review Board (IRB) for Human Subjects Protection

2020-2021 Member, University of Texas Rio Grande Valley (UTRGV) Emergency IRB panel

2023-current. Diversity Centers for Genome Research Steering Committee Member

2024-current Member, UTRGV Tenure and Promotion Committee.

Publications

Peer Reviewed Articles

1. Siddique AK, Salam A, Islam MS, Akram K, Majumdar RN, Zaman K, Fronczak N, **Laston SL**. Why treatment centers failed to prevent cholera deaths among Rwandan refugees in Goma, Zaire. *Lancet*. 1995;345:359-61.
2. Islam MS, Siddique AKM, Salam A, Akram K, Majumdar RN, Zaman K, Fronczak N, **Laston S**. Microbiological investigation of diarrhoea epidemics among Rwandan refugees in Zaire. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. 1995;89:506.
3. Ross JL, **Laston SL**, Nahar K, Muna L, Nahar P, Pelto PJ. Women's health priorities: Cultural perspectives on illness in rural Bangladesh. *Health: An Interdisciplinary Journal for the Social Study of Health, Illness and Medicine*. 1998;2(1):91-110.
4. Ross JL, **Laston SL**, Pelto PJ, Muna L. Exploring explanatory models of women's reproductive health in rural Bangladesh. *Culture, Health and Sexuality*. 2002;4(2)173-190.
5. Howard BV, Devereux RB, Cole SA, Davidson M, Dyke B, Ebbesson SOE, Epstein SE, Robinson DR, Jarvis B, Kaufman DJ, **Laston S**, MacCluer JW, Okin PM, Roman M, Romenesko T, Ruotolo G, Swenson M, Wenger CR, Williams-Blangero S, Zhu J, Saccheus C, Fabsitz RR, Robbins DC. A genetic and epidemiologic study of cardiovascular disease in Alaska Natives (GOCADAN): Design and methods. *Int. J. Circumpolar Health*. 2005;64;3:206-21.
6. Nobman ED, Ponce R, Mattil C, Devereux R, Dyke B, Ebbesson SOE, **Laston S**, MacCluer J, Robbins D, Romenesko T, Ruotolo G, Wenger CR, Howard BV. Dietary intakes vary with age among Eskimo adults of Northwest Alaska in the GOCADAN Study, 2000-2003. *J. Nutrition*. 2005;135:856-862.
7. North KE, Almasy L, Goring HHH, Cole SA, Diego VP, **Laston S**, Cantu T, Williams JT, Howard BV, Lee ET, Best LG, Fabsitz RR, MacCluer JW. Linkage analysis of factors underlying insulin resistance: The Strong Heart Family Study. *Obes Res* 2005;13:1877-84.
8. Diego VP, Göring HH, Cole SA, Almasy L, Dyer TD, Blangero J, Duggirala R, **Laston S**, Wenger C, Cantu T, Dyke B, North K, Schurr T, Best LG, Devereux RB, Fabsitz RR, Howard BV, MacCluer JW. Fasting insulin and obesity-related phenotypes are linked to chromosome 2p: The Strong Heart Family Study. *Diabetes*. 2006;55:1874-8.
9. Ebbesson SOE, **Laston S**, Wenger CR, Dyke B, Romenesko T, Swenson M, Fabsitz R, MacCluer JW, Devereux R, Roman M, Robbins D, Howard BV. Recruitment and community interactions in the GOCADAN Study. *Int. J. Circumpolar Health*. 2006;65:55-64.
10. Franceschini N, MacCluer JW, Göring HH, Cole SA, Rose KM, Almasy L, Diego V, **Laston S**, Lee ET, Howard BV, Best LG, Fabsitz RR, Roman MJ, North KE. A

quantitative trait loci-specific genotype-by-sex interaction on systolic blood pressure among American Indians: The Strong Heart Family Study. *Hypertension*. 2006;48:266-70.

11. North KE, Goring HG, Cole SA, Diego VP, Almasy L, **Laston S**, Cantu T, Howard BV, Lee ET, Best LG, Fabsitz RR, MacCluer JW. Linkage analysis of LDL cholesterol in American Indian populations: The Strong Heart Family Study. *J Lipid Res* 2006;47:59-66.
12. Voruganti VS, Cai G, Cole SA, Freeland-Graves JH, **Laston S**, Wenger CR, MacCluer JW, Dyke B, Devereux R, Ebbesson SO, Fabsitz RR, Howard BV, Comuzzie AG. Common set of genes regulates low-density lipoprotein size and obesity-related factors in Alaskan Eskimos: Results from the GOCADAN study. *Am J Hum Biol* 2006;18:525-531.
13. Almasy L, Göring HHH, Diego VP, Cole SA, **Laston S**, Dyke B, Howard BV, Lee ET, Best LG, Devereux R, Fabsitz RR, MacCluer JW. A novel obesity locus on chromosome 4q: The Strong Heart Study. *Obesity* 2007 15:7:1741-1748.
14. Ebbesson, SOE, Tejero ME, Nobmann ED, Lopez-Alvarenga JC, Ebbesson L, Romenesko T, Carter EA, Resnick H, Devereux RB, MacCluer JW, Dyke B, **Laston SL**, Wenger C, Fabsitz RR, Comuzzie AG, Howard BV Fatty acid consumption and metabolic syndrome components: The GOCADAN Study. *J Cardiometab Syndr* 2007;2;4:244-249.
15. [Best LG](#), [North KE](#), [Li X](#), [Palmieri V](#), [Umans JG](#), [MacCluer J](#), [Laston S](#), [Haack K](#), [Göring H](#), [Diego VP](#), [Almasy L](#), [Lee ET](#), [Tracy RP](#), [Cole S](#). Linkage study of fibrinogen levels: The Strong Heart Family Study. *BMC Med Genet* 2008;9:77.
16. Ebbesson SO, Roman MJ, Devereux RB, Kaufman D, Fabsitz RR, MacCluer JW, Dyke B, **Laston S**, Wenger CR, Comuzzie AG, Romenesko T, Ebbesson LO, Nobmann ED, Howard BV. Consumption of omega-3 fatty acids is not associated with a reduction in carotid atherosclerosis: The Genetics of Coronary Artery Disease in Alaska Natives Study. *Atherosclerosis* 2008;199;2:346-53.
17. Franceschini N, MacCluer JW, Rose KM, Rutherford S, Cole SA, **Laston S**, Göring HH, Diego VP, Roman MJ, Lee ET, Best LG, Howard BV, Fabsitz RR, North KE. Genome-wide linkage analysis of pulse pressure in American Indians: The Strong Heart Study. *Am J Hypertens* 2008;21;2:194-9.
18. Franceschini N, Almasy L, MacCluer JW, Göring HHH, Cole SA, Diego VP, **Laston S**, Howard BV, Lee ET, Fabsitz RR, North KE. Diabetes-specific genetic effects on obesity traits in American Indian populations: The Strong Heart Family Study. *BMC Med Genet* 2008: Oct. 14;9:90.
19. Mottl AK, Vupputuri S, Cole SA, Almasy L, Göring HHH, Diego VP, **Laston S**, Franceschini N, Shara NM, Lee ET, Best LG, Fabsitz RR, MacCluer JW, Umans JG, North KE. Linkage analysis of glomerular filtration rate in American Indians. *Kidney Int* 2008;74;9:1109-12.
20. Li X, Monda KL, Göring HHH, Haack K, Cole SA, Diego VP, Almasy L, **Laston S**, Howard BV, Shara N, Lee ET, Best LG, Fabsitz RR, MacCluer JW, North KE.

Genome-wide linkage scan for plasma high density lipoprotein cholesterol, apolipoproteinA-I and triglyceride variation among American Indian populations: The Strong Heart Family Study. *J Med Genet* 2009;46;7:472-9.

21. Mottl AK, Vupputuri S, Cole SA, Almasy L, Göring HH, Diego VP, **Laston S**, Shara N, Lee ET, Best LG, Fabsitz RR, MacCluer JW, Umans JG, North KE. Linkage analysis of albuminuria. *J Am Soc Nephrol* 2009;20;7:1597-606.
22. Voruganti VS, Göring HH, Mottl A, Franceschini N, Haack K, **Laston S**, Almasy L, Fabsitz RR, Lee ET, Best LG, Devereux RB, Howard BV, MacCluer JW, Comuzzie AG, Umans JG, Cole SA. Genetic influence on variation in serum uric acid in American Indians: the strong heart family study. *Hum Genet* 2009;126(5):667-676. PMID: 19590895; PMCID: PMC2784272
23. Franceschini N, Rose KM, Storti KL, MacCluer JW, Cole SA, Voruganti S, **Laston S**, Göring HHH, Dyer TD, Umans JG, Lee ET, Best LG, Fabsitz RR, North KE. Social- and behavioral-specific genetic effects on blood pressure traits: The Strong Heart Family Study. *Circulation* 2009;120(4):396-401. PMID: 20031612 PMCID: PMC2742382
24. Franceschini N, Voruganti VS, Haack K, Almasy L, **Laston S**, Göring HH, Umans JG, Lee ET, Best LG, Fabsitz RR, MacCluer JW, Howard BV, North KE, Cole SA. The association of the MYH9 gene and kidney outcomes in American Indians: the Strong Heart Family Study. *Hum Genet* 127:295-301, 2010. PMID: 19921264 PMCID: PMC2930187
25. Howard BV, Comuzzie A, Devereux RB, Ebbesson SO, Fabsitz RR, Howard WJ, **Laston S**, MacCluer JW, Silverman A, Umans JG, Wang H, Weissman NJ, Wenger CR. Cardiovascular disease prevalence and its relation to risk factors in Alaskan Eskimos. *Nutr Metab Cardiovasc Dis* 2010 Jun;20(5):350-8. PMID: 19800772 PMCID: PMC2981096
26. [Storti KL](#), [Arena VC](#), Barmada MM, [Bunker CH](#), [Hanson RL](#), [Laston SL](#), [Yeh JL](#), [Zmuda JM](#), [Howard BV](#), Kriska AM. Physical activity levels in American-Indian adults: The Strong Heart Family Study. *Am J Prev Med* (6):481-7, 2009. PMID: 19944912; PMCID: PMC2828819
27. Tejero ME, Voruganti VS, Cai G, Cole SA, **Laston S**, Wenger CR, MacCluer JW, Dyke B, Devereux R, Ebbesson SO, Fabsitz RR, Howard BV, Comuzzie AG. Pleiotropic effects on subclasses of HDL, adiposity and glucose metabolism in adult Alaskan Eskimos. *Am J Hum Biol.* 2010. 22:444-448. PMID:19950191; PMCID:PMC3461838
28. Ebbesson SO, Devereux RB, Cole S, Ebbesson LO, Fabsitz RR, Haack K, Harris WS, Howard WJ, **Laston S**, Lopez-Alvarenga JC, MacCluer JW, Okin PM, Tejero ME, Voruganti VS, Wenger CR, Howard BV, Comuzzie AG. Heart rate is associated with red blood cell fatty acid concentration: The Genetics of Coronary Artery Disease in Alaska Natives (GOCADAN) study. *Am Heart Journal* 2010;159(6):1020-5, 2010. PMID: 20569715; PMCID: PMC289714
29. Ebbesson SO, Tejero ME, Lopez-Alvarenga JC, Harris WS, Ebbesson LO, Devereux RB, MacCluer JW, Wenger C, **Laston S**, Fabsitz RR, Howard BV,

Comuzzie AG Individual Saturated Fatty Acids are Associated with Different Components of Insulin Resistance and Glucose Metabolism: The GOCADAN Study. [Int J Circumpolar Health 2010;69:344-351](#). PMID: [20719107](#); PMCID: PMC3307791

30. MacCluer J, Scavini M, Shah V, Cole S, **Laston S**, Voruganti S, Paine S, Eaton A, Comuzzie A, Tentori F, Pathak D, Bobelu A, Bobelu J, Ghahate D, Waikaniwa M, Zager P. Heritability of measures of kidney disease among Zuni Indians: The Zuni Kidney Project. *Am J Kidney Dis* 2010;56(2):289-302. PMID: 20646805; PMCID: PMC3030616
31. Melton PE, Rutherford S, Voruganti VS, Göring HH, **Laston S**, Haack K, Comuzzie AG, Dyer TD, Johnson MP, Kent JW Jr, Curran JE, Moses EK, Blangero J, Barac A, Lee ET, Best LG, Fabsitz RR, Devereux RB, Okin PM, Bella JN, Broeckel U, Howard BV, MacCluer JW, Cole SA, Almasy L. Bivariate genetic association of KIAA1797 with heart rate in American Indians: The Strong Heart Family Study. *Hum Mol Genet* 19(18):3662-71, 2010. PMID: 20601674 PMCID: PMC2928129
32. Melton PE, Rutherford S, Voruganti VS, Göring HHH, **Laston S**, Haack K, Comuzzie AG, Dyer TD, Johnson MP, Kent JW Jr, Curran JE, Moses EK, Blangero J, Lee ET, Best LG, Fabsitz RR, Devereux RB, Okin PM, Bella JN, Broeckel U, Howard BV, MacCluer JW, Cole SA, Almasy L. Bivariate genetic association of KIAA1797 with heart rate in American Indians: the Strong Heart Family Study. *Hum Mol Genet*. 2010;19:3662-3671. PMID 20601674; PMCID:PMC2928129
33. Voruganti VS, Cole SA, Ebbesson SOE, Goring HHH, Haack K, **Laston S**, Wenger CR, Tejero ME, Devereux RB, Fabsitz RR, MacCluer JW, Umans JG, Howard BV, Comuzzie AG. Genetic variation in APOJ, LPL and TNFRSF10B affects plasma fatty acid distribution in Alaska Eskimos. *Am J Clin Nutr* 2010;91:1574-1583. PMID: 20410100 PMCID: PMC2869509
34. Wang W, Lee ET, Howard BV, Fabsitz RR, Devereux RB, MacCluer JW, **Laston S**, Comuzzie AG, Shara NM, Welty TK. Models of population-based analyses for data collected from large extended families. *Eur J Epidemiol* 25(12):855-65, 2010. PMID: 20882324 PMCID: PMC4167007
35. Melton PE, Haack K, Goring HH, **Laston S**, Umans JG, Lee ET, Fabsitz RR, Devereux RB, Best LG, Maccluer, JW, Almasy L, and Cole SA. Genetic influences on serum bilirubin in American Indians: The Strong Heart Family Study. *Am J Hum Biol* 2011;23(1):118-125. PMID: 21080475 PMCID: PMC3046552
36. [Dumitrescu L](#), [Carty CL](#), [Taylor K](#), [Schumacher FR](#), [Hindorff LA](#), [Ambite JL](#), [Anderson G](#), [Best LG](#), [Brown-Gentry K](#), [Bůžková P](#), [Carlson CS](#), [Cochran B](#), [Cole SA](#), [Devereux RB](#), [Duggan D](#), [Eaton CB](#), [Fornage M](#), [Franceschini N](#), [Haessler J](#), [Howard BV](#), [Johnson KC](#), **[Laston S](#)**, [Kolonel LN](#), [Lee ET](#), [MacCluer JW](#), [Manolio TA](#), [Pendergrass SA](#), [Quibrera M](#), [Shohet RV](#), [Wilkins LR](#), [Haiman CA](#), [Le Marchand L](#), [Buyske S](#), [Kooperberg C](#), [North KE](#), [Crawford DC](#). 2011

Genetic Determinants of Lipid Traits in Diverse Populations from the Population Architecture using Genomics and Epidemiology (PAGE) Study. PLoS Genet 7(6). PMID: 21738485 PMCID: PMC3128106

37. Ebbesson SO, Lopez-Alvarenga JC, Okin PM, Devereux RB, Tejero ME, Harris WS, Ebbesson LO, MacCluer JW, Wenger C, Laston S, Fabsitz RR, Kennish J, Howard WJ, Howard BV, Umans J, Comuzzie AG. Heart rate is associated with markers of fatty acid desaturation: the GOCADAN study. Int J Circumpolar Health 2012;71:1-E6. PMID: 22456045 PMCID: PMC3387544
38. Franceschini N, Shara NM, Wang H, Voruganti VS, **Laston S**, Haack K, Lee ET, Best LG, MacCluer JW, Cochran BJ, Dyer TD, Howard BV, Cole SA, North KE and Umans JG. The association of genetic variants of type 2 diabetes with kidney function. Kidney Int 2012 82:220-225. PMID: 22513821 PMCID: PMC3664521
39. Voruganti VS, Higgins PB, Ebbesson SO, Kennish J, Göring HH, Haack K, **Laston S**, Drigalenko E, Wenger CR, Harris WS, Fabsitz RR, Devereux RB, MacCluer JW, Curran JE, Carless MA, Johnson MP, Moses EK, Blangero J, Umans JG, Howard BV, Cole SA, Comuzzie AG. Variants in CPT1A, FADS1, and FADS2 are associated with higher levels of estimated plasma and erythrocyte delta-5 desaturases in Alaskan Eskimos. Front Genet. 2012;3:86. PMID: 22701466 PMCID: PMC3371589
40. Voruganti VS, Diego VP, Haack K, Cole SA, Blangero J, Göring HH, **Laston S**, Wenger CR, Ebbesson SO, Fabsitz RR, Devereux RB, Howard BV, Umans JG, MacCluer JW, Comuzzie AG. A QTL for genotype by sex interaction for anthropometric measurements in Alaskan Eskimos (GOCADAN Study) on chromosome 19q12-13. Obesity 2011;19(9):1840-6. PMID: 21527897 PMCID: PMC3525327
41. Comuzzie AG, Cole SA, **Laston SL**, Voruganti VS, Haack K, Gibbs RA, Butte NF. Novel genetic loci identified for the pathophysiology of childhood obesity in the Hispanic population. PLoS One. 2012;7(12):e51954. PMID: 23251661; PMCID: PMC3522587
42. Voruganti VS, **Laston S**, Haack K, Mehta NR, Smith CW, Cole SA, Butte NF, Comuzzie AG. Genome-wide association replicates the association of Duffy antigen receptor for chemokines (*DARC*) polymorphisms with monocyte chemoattractant protein-1 (MCP-1) in Hispanic children. Cytokine. 2012 Dec;60(3):634-8. PMID: 23017229; PMCID: PMC3501981
43. Bella JN, Cole SA, **Laston S**, Almasy L, Comuzzie A, Lee ET, Best LG, Fabsitz RR, Howard BV, MacCluer JW, Roman MJ, Devereux RB, Goring HH. Genome-wide linkage analysis of carotid artery lumen diameter: The Strong Heart Family Study. International Journal of Cardiology 2013 Oct 9;168(4):3902-8. PMID: 23871337; PMCID: PMC4028022
44. Franceschini N, Haack K, **Laston S**, Almasy L, Goring HHH, Voruganti VS, Best L, Lee ET, Fabsitz RR, MacCluer JW, Meigs J, Cole SA. Epidemiology and genetic determinants of progressive deterioration of glycemia in American

- Indians: The Strong Heart Family Study. *Diabetologia*. 2013; 56(10):2194-2202. PMID: PMC3773080; PMCID: PMC3773080
45. Gribble MO, Voruganti VS, Cropp CD, Francesconi KA, Goessler W, Umans JG, Silbergeld EK, **Laston SL**, Haack K, Kao WH, Fallin MD, MacCluer JW, Cole SA, Navas-Acien A. SLCO1B1 variants and urine arsenic metabolites in the Strong Heart Family Study. *Toxicological sciences* 2013 Nov;136(1):19-25. PMID: 23970802 PMCID: PMC3829571
46. Franceschini N, Haack K, Almasy L, **Laston S**, Lee ET, Best LG, Fabsitz RR, MacCluer JW, Howard BV, Umans JG, Cole SA. Generalization of associations of kidney-related genetic loci to American Indians. *Clin J Am Soc Nephrol* 2014 Jan;9(1):150-8. PMID: 24311711 PMCID: PMC3878690
47. Rubicz R, Zhu J, **Laston S**, Cole SA, Voruganti VS, Ebbesson SO, Howard BV, MacCluer JW, Davidson M, Umans JG, Comuzzie AG, Goring HH. Statistical genetic analysis of serological measures of common, chronic infections in Alaska native participants in the GOCADAN Study. *Genetic Epidemiology* 2013 Nov;37(7):751-7. PMID: 23798484 PMCID: PMC3969261
48. [Voruganti VS](#), [Franceschini N](#), [Haack K](#), **Laston S**, [Maccluer JW](#), [Umans JG](#), [Comuzzie AG](#), [North KE](#), [Cole SA](#). Replication of the effect of SLC2A9 genetic variation on serum uric acid levels in American Indians. *Eur J Hum Genet*. 2013 Dec 4. doi: 10.1038/ejhg.2013.264. PMID: 24301058 PMCID: PMC4060115
49. Franceschini N, Tao R, Liu L, Rutherford S, Haack K, Almasy L, Göring HHH, **Laston S**, Lee ET, Best LG, Fabsitz RR, Cole SA, North K. Mapping of a blood pressure QTL on chromosome 17 in American Indians of the Strong Heart Family Study. *Clin J Am Soc Nephrol*. 2014 Jan;9(1):150-8. doi: 10.2215/CJN.02300213. PMID: 24311711 PMCID: PMC3878690
50. Seyerle AA, Young AM, Jeff JM, Melton PE, Jorgensen NW, Lin Y, Carty CL, Deelman E, Heckbert SR, Hindorff LA, Jackson RD, Martin LW, Okin PM, Perez MV, Psaty BM, Soliman EZ, Whitsel EA, North KE, **Laston S**, Kooperberg C, Avery CL. Evidence of heterogeneity by race/ethnicity in genetic determinants of QT interval. *Epidemiology*. 2014 Aug 27. 25(6):790-798. PMID: 25166880 PMCID: PMC4380285
51. Tsai CW, North KE, Tin A, Haack K, Franceschini N, Saroja Voruganti V, **Laston S**, Zhang Y, Best LG, MacCluer JW, Beaty TH, Navas-Acien A, Kao WH, Howard BV. Both rare and common variants in PCSK9 influence plasma low-density lipoprotein cholesterol level in American Indians. *J Clin Endocrinol Metab* 100:E345-E349, 2015. PMID: 25412415; PMCID: PMC4318886.
52. **Laston SL**, Voruganti VS, Haack K, Shah VO, Bobelu A, Bobelu J, Ghahate D, Harford AM, Paine SS, Tentori F, Cole SA, MacCluer JW, Comuzzie AG, Zager PG. Genetics of kidney disease and related cardiometabolic phenotypes in Zuni Indians: the Zuni Kidney Project. *Front Genet*. 2015 Jan 30;6:6. PMID: 25688259; PMCID: PMC4311707.
53. Voruganti VS, **Laston S**, Haack K, Mehta NR, Cole SA, Butte NF, Comuzzie AG. Serum uric acid concentrations and SLC2A9 genetic variation in Hispanic

children: the Viva La Familia Study. *Am J Clin Nutr.* 2015 Apr;101(4):725-32. doi: 10.3945/ajcn.114.095364. PMID: 25833971; PMCID: PMC4381775.

54. Gribble MO, Voruganti VS, Cole SA, Haack K, Balakrishnan P, **Laston SL**, Tellez-Plaza M, Francesconi KA, Goessler W, Umans JG, Thomas DC, Gilliland F, North KE, Franceschini N, Navas-Acien A. Linkage Analysis of Urine Arsenic Species Patterns in the Strong Heart Family Study. *Toxicol Sci.* 2015 Jul 23. PMID: 26274054; PMCID: PC4536775

55. Ebbesson SO, Voruganti VS, Higgins PB, Fabsitz RR, Ebbesson LO, **Laston S**, Harris WS, Kennish J, Umans BD, Wang H, Devereux RB, Okin PM, Weissman NJ, MacCluer JW, Umans JG, Howard BV. Fatty acids linked to cardiovascular mortality are associated with risk factors. *Int J Circumpolar Health.* 2015 Aug 12;74:28055. PMID: 26274054; PMCID: PMC4536775.

56. Vazquez-Vidal I, Chittoor G, **Laston S**, Puppala S, Kayani Z, Mody K, Comuzzie AG, Cole SA, Voruganti VS. Assessment of cardiovascular disease risk factors in a genetically homogenous population of Parsi Zoroastrians in the United States: A pilot study. *Am J Hum Biol.* 2016 Jan 28. doi: 10.1002/ajhb.22834. PMID: 26819065;

57. Balakrishnan P, Vaidya D, Franceschini N, Voruganti VS, Gribble MO, Haack K, **Laston S**, Umans JG, Francesconi KA, Goessler W, North KE, Lee E, Yracheta J, Best LG, MacCluer JW, Kent J, Cole SA, Navas-zcien A. Navas-Acien, A. (2017). Association of Cardiometabolic Genes with Arsenic Metabolism Biomarkers in American Indian Communities: The Strong Heart Family Study (SHFS). *Environ Health Perspect.* 125(1):15–22. PMID: 27352405; PMCID: PMC5226702

58. Chittoor G, Haack K, Mehta NR, **Laston S**, Cole SA, Comuzzie AG, Butte NF, Voruganti VS. Genetic variation underlying renal uric acid excretion in Hispanic children: the Viva La Familia Study. *BMC Medical Genetics.* 2017;18:6. PMID: 28095793; PMCID: PC5240212

59. Balakrishnan P, Vaidya D, Voruganti VS, Haack K, Kent JW, North KE, **Laston S**, Howard BV, Umans JG, Lee ET, Best LG, MacCluer JW, Cole SA, Navas-Acien A, Franceschini N. Genetic variants related to cardiometabolic traits are associated to B cell function, insulin resistance, and diabetes among American Indians: The Strong Heart Family Study. *Front. Genet.* 2018 Oct 12;9:466. PMID:30369944; PMCID: PMC6194194.

60. Johnson MP, Keyho R, Blackburn NB, **Laston S**, Kumar S, Peralta J, Thapa SS, Towne B, Subedi J, Blangero J, Williams-Blangero S. Glycated Serum Protein Genetics and Pleiotropy with Cardiometabolic Risk Factors. *J Diabetes Res.* 2019 Apr 4;2019:2310235. doi: 10.1155/2019/2310235. PMID: 31089471; PMCID: PMC6476113.

61. Chittoor G, Haack K, Balakrishnan P, Bizon C, **Laston S**, Best LG, MacCluer JW, North KE, Umans JG, Franceschini N, Prasad G, Macias-Kauffer L,

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26. Monda KL, Cole SA, Li X, Franceschini N, **Laston S**, Almasy L, Haack K, Comuzzie AG, Goring HHH, MacCluer JW, Lee ET, Best LG, Howard BV, Fabsitz RR, Roman MJ, North KE. Effect of the FTO gene on adiposity phenotypes in American Indians: The Strong Heart Study. The Obesity Society Annual Meeting, 2009.
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2. Metzger L, **Laston S**, Ross J. Communication networks of adolescents in rural New York. Presented at the annual meeting of The Society for Applied Anthropology, 2000, San Francisco, California.
3. Ross J, **Laston S**, Muna L. Anthropological perspectives on refusal for emergency obstetric care in rural Bangladesh. Presented at the annual meeting of The Society for Applied Anthropology, 2000, San Francisco, California.
4. **Laston S**, Sloboda Z, Stephens R. Substance abuse prevention: Program change and collaboration. Annual Meeting of The Society for Applied Anthropology, 2002, Atlanta, Georgia.
5. **Laston S**. The Strong Heart Study and GOCADAN: Family Studies of Cardiovascular Disease in American Indians and Alaskan Eskimos. Presented at Anthropological and Primate Genetics, American Association of Anthropological Genetics, 2005, San Antonio, TX.
6. Voruganti VS, Franceschini N, **Laston S**, MacCluer JW, Umans JG, Comuzzie AG, Zager PG, North KE, Cole SA. Replication of the effect of *SLC2A9* genetic variation on serum uric acid levels in American Indians. Proc Am Soc Hum Genet. 60th Annual meeting 2010.
7. Rutherford S, Voruganti VS, Goring HHH, **Laston S**, Haack K, Almasy L, Comuzzie AG, Lee ET, Best LG, Fabsitz RR, Devereux RB, Okin PM, Bella J, Howard BV, MacCluer JW, Cole SA. A heart rate genetic locus on chromosome 9p21 in the Strong Heart Family Study. American Heart Association High Blood Pressure Research Council, Atlanta GA. 2008.
8. Melton PE, Rutherford S, Voruganti VS, Göring HHH, **Laston S**, Haack K, Comuzzie AG, Curran J, Johnson M, Moses E, Dyer TD, Blangero J, Lee ET, Best LG, Fabsitz RR, Devereux RB, Okin PM, Bella J, Broeckel U, Howard BV, MacCluer JW, Cole SA, Almasy L. Genetic association analysis of heart rate on chromosome 9p21 in American Indians: The Strong Heart Family Study. Proc Am Soc Hum Genet, 59th Annual Meeting 2009
9. Diego VP, Higgins PB, Voruganti VS, Göring HHH, **Laston S**, Cole SA, Fabsitz

RR, Ebbesson SOE, Howard BV, MacCluer JW, Zhu J, Umans JG, Comuzzie AG. Markers of endothelial activation exhibit a mitochondrial-effects variance component in the GOCADAN Study. 4th International Congress on Prediabetes and the Metabolic Syndrome 2011.

10. Gribble MO, Voruganti VS, Cropp CD, Francesconi KA, Goessler W, Umans JG, Silbergeld EK, **Laston SL**, Haack K, Kao WHL, Fallin MD, MacCluer JW, Cole SA, Navas-Acien A. SLC01B1 variants and urine arsenic metabolites in the Strong Heart Family Study. International Society for Environmental Epidemiology. 2013
11. Marcio Almeida, Eron G. Manusov, Vincent P. Diego, Xi Mao, Ana Leandro, **Sandy Laston**, John Blangero, Sarah Williams-Blangero. A new gene expression environmental decomposition method was applied to study T2D in Mexican Americans. Annual American Society of Human Genetics Meeting Nov 2023 Washington DC.
12. Eron G. Manusov, Vincent P. Diego, Marcio Almeida, Xi Mao, Ana Leandro, **Sandy Laston**, John Blangero, Sarah Williams-Blangero. Genetic Variants and Molecular Components Associated with Non-alcoholic Liver Disease and Depression: Shared Association of ADAMTS 7 and THRAP 3. Annual American Society of Human Genetics Annual Meeting Washington DC Nov 2023.

Poster Presentations

Laston SL, MacCluer JW, North KE, Cole SA, Comuzzie AG, Lee ET, Devereux RB, Roman MJ, Best LG, Ebbesson SOE, Fabsitz RR, Howard BV. The Strong Heart Study and GOCADAN: Family studies of cardiovascular disease in American Indians and Alaskan Eskimos. Presented at the Prevention of Cardiovascular Disease & Diabetes Among American Indians and Alaska Natives 2005 meeting in Denver, Colorado, May 2005.

Johnson MP, Thapa SS, Anderson KL, **Laston S**, Shrestha MK, Towne B, Subedi J, Blangero J, Williams-Blangero S. Genetic epidemiology of ocular health and disease in the Jirel ethnic group of eastern Nepal; The Jiri Eye Study (JES). Presented at the 13th International Congress of Human Genetics (ICHG) in Kyoto, Japan, April 2016.

Johnson MP, Thapa SS, **Laston S**, Anderson KL, Shrestha MK, Towne B, Subedi J, Blangero J, Williams-Blangero S. Characterizing the genetic architecture of ocular biometrics in a south Asian population: The Jiri Eye Study. Presented at the Association for Research in Vision and Ophthalmology (ARVO) in Seattle, Washington, May 2016

Project Presentations

2006 Staff Training: Introduction: Genetics of Coronary Artery Disease in Alaska Natives. Mar. 29, 2006. Nome, AK.

2006 Staff Training: The AE120XL Pedometer. A Simple Objective Device to Measure Physical Activity in the GOCADAN Study. Mar. 29, 2006. Nome, AK.

2006 Session Moderator: Strategies for Increasing Physical Activity. National Conference: Reducing Health Disparities in American Indian and Alaska Natives by Preventing Diabetes Throughout the Life Cycle. Aug. 21-24, 2006. Oklahoma City, OK.

2007 Staff Training: Tempus Tube RNA Blood Collection and Processing Protocol. Jul. 17, 2007. Nome, AK.

2007 Staff Training: The AE120XL Pedometer. A Simple Objective Device to Measure Physical Activity in the GOCADAN Study. Jul. 17, 2007. Nome, AK.

2009 Staff Training: Participant Recruitment, Physical Examination and Questionnaire Administration. Sept. 18-21, 2009.

2009 Staff Training: Tempus Tube RNA Blood Collection and Processing Protocol. Sept. 25, 2009. Nome, AK.