

# LINDSAY FERNÁNDEZ-RHODES, PHD

Department of Biobehavioral Health  
College of Health and Human Development at the Pennsylvania State University  
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## EDUCATION

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### PhD in Epidemiology

2016

*University of North Carolina at Chapel Hill, Gillings School of Global Public Health*

GRADUATE CERTIFICATE: Global Health

DOCTORAL PRACTICA: 1) Mammography Surveillance in Ensenada, México: A Pilot Study of Victoria Champion's Health Behavior Model for Mammography Questionnaire, 2) Healthy Native North Carolinians: Insight into the Internal Evaluation and Planning of a Community-Oriented Research Project

THESIS: Genomics and Epidemiology: Diverse Measures and Populations in the Trans-Ethnic Fine-Mapping of Genetic Loci for Body Mass Index

### MSPH in Epidemiology

2011

*University of North Carolina at Chapel Hill, Gillings School of Global Public Health*

MASTERS PRACTICUM: Assessing the Health-Related Concerns and Behaviors of Spanish- and English-Proficient Migraine Sufferers

MASTERS PAPER: Obesity-Related Single Nucleotide Polymorphisms and Age at Menarche in the ReproGen Consortium

### BS in Biology

2007

*University of North Carolina at Chapel Hill, College of Arts and Sciences*

MINORS: Chemistry and German Language

SCHOLARSHIP: James M. Johnston Honorary Scholar and Transatlantic Science Student Exchange Student at Friedrich Schiller University in Jena, Germany

THESIS & COMMENDATION IN RESEARCH: Experiments in the Role of Inflammatory Cytokines on Norepinephrine Reactivity in Mouse Dorsal Root Ganglion Neurons

## PROFESSIONAL EXPERIENCE

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**Associate Professor in Biobehavioral Health & Demography** · University Park, PA 2024-pres.  
*The Pennsylvania State University, College of Health and Human Development*  
Department of Biobehavioral Health & Graduate Demography Program

**Assistant Professor in Demography** · University Park, PA 2023-2024  
*The Pennsylvania State University*  
Graduate Demography Program

**Adjunct Assistant Professor** · Chapel Hill, NC 2019-2022  
*The University of North Carolina at Chapel Hill, Gillings School of Global Public Health*  
Department of Epidemiology

**Assistant Professor in Biobehavioral Health** · University Park, PA 2018-2024  
*The Pennsylvania State University, College of Health and Human Development*  
Department of Biobehavioral Health

**Postdoctoral Scholar** · Chapel Hill, NC 2016-2018  
*University of North Carolina at Chapel Hill, Carolina Population Center*  
 Department of Epidemiology  
 TRAINING DIMENSIONS: Social Epidemiology, Bio-Social Integration, Immigration and Health

**Research Assistant in Epidemiology** · Chapel Hill, NC 2009-2016  
*University of North Carolina at Chapel Hill, Gillings School of Global Public Health*  
 Cardiovascular Disease Genetic Epidemiology, Hispanic/Latino Anthropometry Consortium,  
 Drs. Kari E. North and Gerardo Heiss

**Predoctoral Fellow in Epidemiology** · Chapel Hill, NC 2010-2012  
*National Heart Lung and Blood Institute, National Research Service Award*  
 Cardiovascular Disease Epidemiology Program, Drs. Gerardo Heiss and Wayne Rosamond

**Post-baccalaureate Intramural Research Training Award Fellow** · Bethesda, MD 2007-2009  
*National Institute of Neurological Diseases and Stroke*  
 Neurogenetics Branch, Dr. Kenneth Fischbeck

**Laboratory Technician in Electrophysiology** · Chapel Hill, NC 2004-2007  
*University of North Carolina at Chapel Hill, Medical School*  
 Department of Cell Biology and Physiology, Dr. Edward Perl

**Intern with Educational Programmes Abroad** · Bonn, Germany 2005  
*University of Bonn*  
 Department of Molecular Neurobiology and the House for Experimental Therapy, Professor  
 Andreas Zimmer

## **ACADEMIC AWARDS**

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**Ann C. Crouter Early Career Faculty Award** 2023-2024  
*College of Health and Human Development, Pennsylvania State University*

**HGGA Early Career Investigator Award** 2022  
*HGG Advances and American Society of Human Genetics*

**Outstanding Postdoc Mentor Award** 2022  
*Penn State Postdoctoral Society, Nominated by Cristin E. McArdle, PhD (SP20-SP22)*

**Teaching Release to Support Grant Writing** 2021  
*College of Health and Human Development, Pennsylvania State University (Fall 2021)*

**SER Annual Course Development Workshop on Epidemiologic Methods** 2020  
*Society for Epidemiologic Research Annual Meeting Workshop (Held Virtually, June 16, 2020)*

**Early Career Travel Award** 2019  
*North Coast Conference on Precision Medicine ("More Sequencing and Genotyping in Diverse Populations: Who Wants What Back (and When?)"), Cleveland Institute for Computational Biology (September 9, 2019)*

**Evolutionary Medicine Summer Institute Scholarship Recipient** 2018  
*Triangle Center for Evolutionary Medicine at Duke University (June 3-9, 2018)*

<b>Best Quality and Impact Working Group Paper Nominated to <i>BMC Genetics</i></b>	2018
<i>Heritability Working Group, Genetic Analysis Workshop 20 (January 2, 2018)</i>	
<b>Postdoctoral Travel Award</b>	2018
<i>Office of Postdoctoral Affairs, University of North Carolina at Chapel Hill</i>	
<b>Competition Winners of Six-Month Health Innovation Lab</b>	2017
<i>Eshelman Institute for Innovation, University of North Carolina Eshelman School of Pharmacy</i>	
<b>Inducted Member of Delta Omega Honorary Society in Public Health</b>	2017-pres.
<i>Theta Chapter, University of North Carolina Gillings School of Global Public Health</i>	
<b>Nancy A. Dreyer Endowed Scholarship in Epidemiology</b>	2015
<i>University of North Carolina at Chapel Hill, Gillings School of Global Public Health</i>	
<b>SER Annual Workshop on Methods for Epidemiology Doctoral Students</b>	2014
<i>Society for Epidemiologic Research</i>	
<b>Rebecca James Baker Scholarship</b>	2012
<i>University of North Carolina at Chapel Hill, Epidemiology Department</i>	
<b>Border Epidemiology and Environmental Health Center Experience</b>	2011
<i>University of New Mexico/Fred Hutchinson Cancer Research Center</i>	

**PEER-REVIEWED PUBLICATIONS**

**\*JOINT AUTHORSHIP †,‡ STUDENT AUTHOR(S)**

<http://www.ncbi.nlm.nih.gov/sites/myncbi/lindsay.fernandez-rhodes.1/bibliography/49407091/public/?sort=date&direction=ascending>

55. Paola Filigrana<sup>†</sup>, Jee-Young Moon, Linda C. Gallo, **Lindsay Fernández-Rhodes**, Krista M. Perreira, Martha L. Daviglius, Bharat Thyagarajan, Olga L. Garcia-Bedoya, Jianwen Cai, Xiaonan Xue, Robert C. Kaplan, Shakira Suglia, Carmen R. Isasi. *LifeCourse socioeconomic position and ideal cardiovascular health in Hispanic/Latino adults of the Hispanic Community Health Study/Study of Latinos. J Am Heart Assoc.* 2024. Online ahead of print. PMID: 39119980. <sup>†</sup>Epidemiology and Population Health Postdoctoral Scholar.
54. LáShauntá Glover<sup>†</sup>, Adam G. Lilly<sup>‡</sup>, Anne E Justice, Annie Green Howard Brooke Staley<sup>†</sup>, Yujie Wang, Helen M. Kamens, Kendra Ferrier, Jan Bressler, Laura Loehr, Laura M. Raffield, Mario Sims, Kari E. North, **Lindsay Fernández-Rhodes**. *DNA Methylation near MAD1L1, KDM2B, and SOCS3 Mediates the effect of Socioeconomic Status on Elevated Body Mass Index in African American Adults. Hum Mol Genet.* 2024. Online ahead of print. PMID: 39079086. <sup>†</sup>Epidemiology PhD Students. <sup>‡</sup>Sociology PhD Student.
53. Hridya C Rao<sup>†</sup>, Michelle L. Meyer, Michelle A. Kominiarek, Martha Daviglius, Linda C. Gallo, Christina Cordero, Raveen Syan, Krista M. Perreira, Gregory A. Talavera, **Lindsay Fernández-Rhodes**. *Association of Polycystic Ovary Syndrome and Metabolic Syndrome, modification by inflammation and menopause in HCHS/SOL. J Clin Endocrinol & Metab.* 2024. Online ahead of print. PMID: 38888178. <sup>†</sup>Biobehavioral Health PhD Student Mentee (Masters Paper).
52. González DJX, Staley BS<sup>†</sup>, Andrea SB, DeVilbiss E, Fink DS, Peña C, Reed DM<sup>†</sup>, Díaz Santana MV, Fasehun L-KO, Alvero AJ, Babalola O, Puac-Polanco V, Thompson CA, Frankenfeld CL, **Fernández-Rhodes L**, Lopez DS, Abdel Magid HS<sup>‡</sup>, on behalf of the Society

for Epidemiologic Research Diversity and Inclusion Committee. *Representation and inclusion among members and affiliates of the Society for Epidemiologic Research: Findings from the 2021 Diversity and Inclusion Survey*. *AJE*. 2024. Online ahead of print. PMID: 38863127. <sup>†</sup>Epidemiology PhD Students, <sup>‡</sup>Epidemiology and Population Health Postdoctoral Scholar and Co-Chair of Diversity & Inclusions Committee.

51. Kentistou KA, Kaisinger LR, Stankovic S, Vaudel M, de Oliveira EM, Messina A, Walters RG, Liu X, Busch AS, Helgason H, Thompson DJ, Santon F, Petricek KM, Zouaghi Y, Huang-Doran I, Gudbjartsson DF, Bratland E, Lin K, Gardner EJ, Zhao Y, Jia R, Terao C, Riggan M, Bolla MK, Yazdanpanah M, Yazdanpanah N, Bradfield JP, Broer L, Campbell A, Chasman DI, Cousminer DL, Franceschini N, Franke LH, Girotto G, He C, Järvelin MR, Joshi PK, Kamatani Y, Karlsson R, Luan J, Lunetta KL, Mägi R, Mangino M, Medland SE, Meisinger C, Noordam R, Nutile T, Concas MP, Polašek O, Porcu E, Ring SM, Sala C, Smith AV, Tanaka T, van der Most PJ, Vitart V, Wang CA, Willemsen G, Zygunt M, Ahearn TU, Andrusis IL, Anton-Culver H, Antoniou AC, Auer PL, Barnes CL, Beckmann MW, Berrington A, Bogdanova NV, Bojesen SE, Brenner H, Buring JE, Canzian F, Chang-Claude J, Couch FJ, Cox A, Crisponi L, Czene K, Daly MB, Demerath EW, Dennis J, Devilee P, Vivo I, Dörk T, Dunning AM, Dwek M, Eriksson JG, Fasching PA, **Fernandez-Rhodes L**, Ferrelly L, Fletcher O, Gago-Dominguez M, García-Closas M, García-Sáenz JA, González-Neira A, Grallert H, Guénel P, Haiman CA, Hall P, Hamann U, Hakonarson H, Hart RJ, Hickey M, , Hooning MJ, Hoppe R, Hopper JL, Hottenga J-J, Hu FB, Hübner H, Hunter DJ; ABCTB Investigators; Jernström H, John EM, Karasik D, Khusnutdinova EK, Kristensen VN, Lacey JV, Lambrechts D, Launer LJ, Lind PA, Lindblom A, Magnusson PK, Mannermaa A, McCarthy MI, Meitinger T, Menni C, Michailidou K, Millwood IY, Milne RL, Montgomery GW, Nevanlinna H, Nolte IM, Nyholt DR, Obi N, O'Brien KM, Offit K, Oldehinkel AJ, Ostrowski SR, Palotie A, Pedersen OB, Peters A, Pianigiani G, Plaseska-Karanfilska D, Pouta A, Pozarickij A, Radice P, Rennert G, Rosendaal FR, Ruggiero D, Saloustros E, Sandler DP, Schipf S, Schmidt CO, Schmidt MK, Small K, Spedicati B, Stampfer M, Stone J, Tamimi RM, Teras LR, Tikkanen E, Turman C, Vachon CM, Wang Q, Winqvist R, Wolk A, Zemel BS, Zheng W, van Dijk KW, Alizadeh BZ, Bandinelli S, Boerwinkle E, Boomsma DI, Ciullo M, Chenevix-Trench G, Cucca F, Esko T, Gieger C, Grant SF, Gudnason V, Hayward C, Kolčić I, Kraft P, Lawlor DA, Martin NG, Nøhr EA, Pedersen NL, Pennell CE, Ridker PM, Robino A, Snieder H, Sovio U, Spector TD, Stöckl D, Sudlow C, Timpson NJ, Toniolo D, Uitterlinden A, Ulivi S, Völzke H, Wareham MJ, Widen E, Wilson JF; Lifelines Cohort Study; Danish Blood Donor study; Ovarian Cancer Association Consortium; Breast Cancer Association Consortium; Biobank Japan Project; China Kadoorie Biobank Collaborative Group; Pharoah PD, Li L, Easton DF, Njølstad P, Sulem P, Murabito JM, Murray A, Manousaki D, Juul A, Erikstrup C, Stefansson K, Horikoshi M, Chen Z, I Farooqi S, Pitteloud N, Johansson S, Day FR, Perry JRB, Ong KK. *Understanding the genetic complexity of puberty timing across the allele frequency spectrum*. *Nature Genetics*. 2024; 56(7): 1397-1411. PMID: PMC11250262.
50. Martinez RAM<sup>†</sup>, Howard AG, **Fernández-Rhodes L**, Maselko J, Pence BW, Dhingra R, Galea S, Uddin M, Wildman DE, Aiello AE. *Does biological aging mediate the relationship between childhood adversity and depression? Insights from the Detroit Neighborhood Health Study*. *Soc Sci Med*. 2024;340:116440. PMID: PMC10843850. <sup>†</sup>Epidemiology PhD Student.
49. Anwar MY<sup>†</sup>, Graff M, Highland HM, Smit R, Wang Z, Buchanan VL<sup>†</sup>, Young KL, Kenny EE, **Fernandez-Rhodes L**, Liu S, Assimes T, Garcia DO, Daeun K, Gignoux CR, Justice AE, Haiman CA, Buyske S, Peters U, Loos RJJ, Kooperberg C, North KE. 2023;142(10):1477-1489. *Assessing efficiency of fine-mapping obesity associated variants through leveraging ancestry architecture and functional annotation using PAGE and UKBB Cohorts*. *Hum Genet*. PMID: 37658231. <sup>†</sup>Epidemiology PhD Students.

48. Filigrana P<sup>†</sup>, Moon J-Y, Gallo LC, **Fernández-Rhodes L**, Perreira KM, Daviglius ML, Thyagarajan B, Garcia-Bedoya OL, Cai J, Lipton RB, Kaplan RC, Gonzalez HM, Isasi CR. *Childhood and life-course socioeconomic position and cognitive function in adult population of the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)*. *American Journal of Epidemiology*. 2023; 192(12): 2006-2017. *PMCID: PMC10988221*. †Epidemiology and Population Health Postdoctoral Scholar.
47. INVITED COMMENTARY IN WE'RE RIGHT HERE EQUITY FORUM: **Fernández-Rhodes L**. *Beyond Borders: A Commentary on the Benefit of Promoting Immigrant Populations in Genome-Wide Association Studies*. *HGG Advances*. 2023; 4, 100205. *PMCID: PMC10241976*.
46. **Fernández-Rhodes L\***, McArdle CE\*<sup>†</sup>, Rao HC<sup>‡</sup>, Wang Y, Martinez-Miller EE<sup>‡</sup>, Ward JB<sup>‡</sup>, Cai J, Sofer T, Isasi CR, North KE. *A Gene-Acculturation Study of Obesity Among U.S. Hispanic/Latinos: The Hispanic Community Health Study/Study of Latinos*. *Psychosomatic Medicine*. 2023;85(4):358-65. *PMCID: PMC10159946*. \***Co-first authors**. †Biobehavioral Health Postdoctoral Scholar, ‡Biobehavioral Health and Epidemiology PhD Students.
45. Preudhomme LK, Gellman MD, Franceschini N, Perreira KM, **Fernández-Rhodes LE**, Gallo LC, Isasi CR, Smoller S, Catañeda SF, Daviglius M, Hutten C, Cooper RS, Cai J, Schneiderman N, Llabre MM. *Genetic and stress influences on the prevalence of hypertension among Hispanic/latinos in the Hispanic community health study/study of latinos (HCHS/SOL)*. *Blood Pressure*. 2022;31(1):155-163. *PMID: 35762607*. *PMCID: Underway*.
44. Wang Z, Emmerich A, Pillon NJ, Moore T, Hemerich D, ... **Fernandez-Rhodes L**, et al. *Physical activity and sedentary behavior; mechanistic insights and role in disease prevention*. *Nature Genetics*. 2022;54(9):1332.1344. *PMCID: PMC9470530*.
43. **Fernández-Rhodes L\***, Graff M\*, Buchanan VL<sup>†</sup>, Justice AE, Highland HM, Guo X, Zhu W, Chen HH, Young KL, Adhikari K, Palmer ND, Below JE, Bradfield J, Pereira AC, Glover L<sup>†</sup>, Kim D<sup>†</sup>, Lilly AG<sup>†</sup>, Shrestha P<sup>†</sup>, Thomas AG<sup>†</sup>, Zhang X, Chen M, Chiang CWK, Pulit S, Horimoto A, Krieger JE, Guindo-Martínez M, Preuss M, Schumann C, Smit RAJ, Torres-Mejía G, Acuña-Alonzo V, Bedoya G, Bortolini MC, Canizales-Quinteros S, Gallo C, González-José R, Poletti G, Rothhammer F, Hakonarson H, Igo R, Adler SG, Iyengar SK, Nicholas SB, Gogarten SM, Isasi CR, Papnicolaou G, Stilp AM, Qi Q, Kho M, Smith JA, Langefeld CD, Wagenknecht L, Mckean-Cowdin R, Gao XR, Nounsou D, Conti DV, Feng Y, Allison MA, Arzumanyan Z, Buchanan TA, Ida Chen YD, Genter PM, Goodarzi MO, Hai Y, Hsueh W, Ipp E, Kandeel FR, Lam K, Li X, Nadler JL, Raffel LJ, Roll K, Sandow K, Tan J, Taylor KD, Xiang AH, Yao J, Audirac-Chalifour A, de Jesus Peralta Romero J, Hartwig F, Horta B, Blangero J, Curran JE, Duggirala R, Lehman DE, Puppala S, Fejerman L, John EM, Aguilar-Salinas C, Burt NP, Florez JC, García-Ortíz H, González-Villalpando C, Mercader J, Orozco L, Tusié-Luna T, Blanco E, Gahagan S, Cox NJ, Hanis C, Butte NF, Cole SA, Comuzzie AG, Voruganti VS, Rohde R, Wang Y, Sofer T, Ziv E, Grant SFA, Ruiz-Linares A, Rotter JI, Haiman CA, Parra EJ, Cruz M, Loos RJF, North KE. *Ancestral diversity improves discovery and fine-mapping of genetic loci for anthropometric traits - The Hispanic/Latino Anthropometry Consortium*. *HGG Adv*. 2022;3(2):100099. *PMCID: PMC8990175*. \***Co-first authors**. †Epidemiology PhD students.
42. **Fernández-Rhodes L**, White MJ. *Local-level Immigration Enforcement and Risk of Pediatric Hospitalization for Ambulatory Care Sensitive Conditions*. *J Immig Minor Health*. 2021;10.1007/s10903-021-01163-1. *PMCID: PMC8408287*.

41. **Fernandez-Rhodes L**, Ward JB, Martin CL, Zeki Al Hazzouri A, Torres J, Gordon-Larsen P, Haan MN, Aiello AE. *Intergenerational educational mobility and type 2 diabetes in the Sacramento Area Latino Study on Aging. Ann Epidemiol.* 2022;65:93-100. *PMCID: PMC8748283.*
40. ‘CELEBRATING THE BREADTH OF DIVERSITY IN HUMAN GENOMICS’ SPECIAL ISSUE: McArdle CE<sup>†</sup>, Bokhari H<sup>‡</sup>, Buchanan V<sup>‡</sup>, Isai CR, Graff M, North KE, Gallo LC, Pirzada A, Wojcik G, Cai J, Perreira KM, **Fernandez-Rhodes L**. Findings from the Hispanic Community Health Study/Study of Latinos on the Importance of Sociocultural Environmental Interactors: Polygenic Risk Score-by-Immigration and Dietary Interactions. *Frontiers in Genetics.* 2021;12:720750. eCollection 2021. *PMCID: PMC8685455.* †Biobehavioral Health Postdoctoral Scholar, \*\*Immunology and Infectious Disease Undergraduate Student, and Epidemiology PhD Student.
39. **Fernández-Rhodes L**, Butera NM<sup>†</sup>, Lodge EK<sup>‡</sup>, Franceschini N, Llabre MM, Arredondo EM, Gallo LC, Arguelles W, Penedo FJ, Daviglius ML, Isasi CR, Smokowski P, Gordon-Larsen P, Aiello AE, Perreira KM, Sotres-Alvarez D, North KE. *Demographic and Sociocultural Risk Factors for Adulthood Weight Gain in Hispanic/Latinos: Results from the Hispanic Community Health Study / Study of Latinos (HCHS/SOL).* *BMC Public Health.* 2021;21(1):2064. *PMCID: PMC8582171.* †Biostatistics PhD Student. ‡MD/PhD Student co-mentored by L Fernandez-Rhodes and AE Aiello.
38. Crenshaw EG<sup>†</sup>, **Fernandez-Rhodes L**, Martin CL, Gordon-Larsen P, Haan MN, Aiello AE. *Intergenerational Educational Attainment on Cardiometabolic Health in Latino Individuals Living in the United States. Obesity.* 2021;29(7):1178-1185. *PMCID: PMC8549077.* †Biostatistics BS Student under the supervision of L Fernandez-Rhodes (BIOS 540 in Spring 2018) and supported by a Summer Undergraduate Research Fellowship (Summer 2018).
37. Sarnowski C, Cousminer DL, Franceschini N, Raffield L, Jia G, **Fernández-Rhodes L**, Grant SFA, Hakonarson H, Lange LA, Long J, Sofer T, Tao R, Wallace RB, Wong Q, Zirpoli G, Boerwinkle E, Bradfield JP, Correa A, Kooperberg CL, North KE, Palmer JR, Zemel BS, Zheng W, Murabito JM, Lunetta KL. *Large trans-ethnic meta-analysis including women with diverse ancestries identified AKR1C4 as a novel gene association with age at menarche. Hum Reprod.* 2021;36(7):1999-2010. *PMCID: PMC8213450.*
36. Stanhope KK<sup>†</sup>, Cammack AL, Perreira KM, **Fernandez-Rhodes L**, Cordero C, Gallo LC, Isasi CR, Castaneda SF, Daviglius ML, Kominiarek MA, Suglia SF. *Adverse Childhood Experiences and Lifetime Adverse Maternal Outcomes (Gestational Diabetes and Hypertensive Disorders of Pregnancy) in the Hispanic Community Health Study/Study of Latinos. Ann Epidemiol.* 2020; 50:1-6. *PMCID: PMC7991739.* †Epidemiology PhD Student.
35. Justice AE, Chittoor G, Gondalia R, Melton PE, Lim E, Grove ML, Whitsel EA, Liu C-T, Cupples LA, **Fernández-Rhodes L**, Guan W, Bressler J, Fornage M, Boerwinkle E, Li Y, Demerath E, Heart-Costa N, Levy D, Steward JD, Baccarelli A, Hou L, Conneely K, Mori TA, Beilin LJ, Huan R-C, Gordon-Larsen P, Howard AG, North KE. *Methylome-wide association study of central adiposity implicate genes involved in immune and endocrine systems. Epigenomics.* 2020; 12(17):1483-99. *PMCID: PMC7923253.*
34. INVITED REVIEW: **Fernandez-Rhodes L\***, Young KL\*, Lilly AG<sup>†</sup>, Raffield LM, Highland HM, Wojcik GL, Agler C, Love SM, Okello S, Petty LE, Graff M, Below JE, Divaris K, North KE. *Importance of Genetic Studies of Cardiometabolic Disease in Diverse Populations. Circulation*

*Research*. 2020; 126(12):1816-40. *PMCID: PMC7285892*. \*Co-first authors. †Sociology PhD Student.

33. Bradfield JP, Vogelesang S, Felix JF, Chesi A, Helgeland Ø, Horikoshi M, Karhunen V, Lowry E, Cousminer DL, Ahluwalia TS, Thiering E, Boh ET, Zafarmand MH, Vilor-Tejedor N, Wang CA, Joro R, Chen Z, Gauderman WJ, Pitkänen N, Parra EJ, **Fernandez-Rhodes L**, Alyass A, Monnereau C, Curtin JA, Have CT, McCormack SE, Hollensted M, Frithioff-Bøjsøe C, Valladares-Salgado A, Peralta-Romero J, Teo YY, Standl M, Leinonen JT, Holm JC, Peters T, Vioque J, Vrijheid M, Simpson A, Custovic A, Vaudel M, Canouil M, Lindi V, Atalay M, Kähönen M, Raitakari OT, van Schaik BDC, Berkowitz RI, Cole SA, Voruganti VS, Wang Y, Highland HM, Comuzzie AG, Butte NF, Justice AE, Gahagan S, Blanco E, Lehtimäki T, Lakka TA, Hebebrand J, Bonnefond A, Grarup N, Froguel P, Lyytikäinen LP, Cruz M, Kobes S, Hanson RL, Zemel BS, Hinney A, Teo KK, Meyre D, North KE, Gilliland FD, Bisgaard H, Bustamante M, Bonnelykke K, Pennell CE, Rivadeneira F, Uitterlinden AG, Baier LJ, Vrijkotte TGM, Heinrich J, Sørensen TIA, Saw SM, Pedersen O, Hansen T, Eriksson J, Widén E, McCarthy MI, Njølstad PR, Power C, Hyppönen E, Sebert S, Brown CD, Jarvelin MR, Timpson NJ, Johansson S, Hakonarson H, Jaddoe VWV; Early Growth Genetics Consortium. *A Trans-ancestral Meta-Analysis of Genome-Wide Association Studies Reveals New Loci Associated with Childhood Obesity*. *Hum Mol Genet*. 2019; 28(19):3327-3338. *PMCID: PMC6859434*.
32. Wojcik G, Graff M, Nishimura KK, Tao R, Haessler J, Gignoux CR, Highland HM, Patel YM, Sorokin EP, Avery CL, Belbin GM, Bien SA, Cheng I, Hodonsky CJ, Huckins LM, Jeff J, Justice AE, Kocarnik JM, Lim U, Lin BM, Lu Y, Nelson SC, Park S-SL, Preuss MH, Richard MA, Schurmann C, Setiawan VW, Vah Ki, Vishnu A, Verbanck M, Walker R, Young KL, Zubair N, Ambite JL, Boerwinkle E, Bottinger E, Bustamante CD, Caberto C, Conomos MP, Deelman E, Do R, Doheny K, **Fernandez-Rhodes L**, Fornage M, Heiss G, Hindorff LA, Jackson RD, James R, Laurie CA, Laurie CC, Li Y, Lin D-Y, Nadkarni G, Pooler LC, Reiner AP, Romm J, Sabati C, Sheng X, Stahl EA, Stram DO, Thornton TA, Wassel CL, Wilkens LR, Yoneyama S, Buyske S, Haiman C, Kooperberg C, Le Marchand L, Loos RJF, Matisse TC, North KE, Peters U, Kenny EE, Carlson CS. The PAGE Study: How Genetic Diversity Improves Our Understanding of the Architecture of Complex Traits. *Nature*. 2019; 570(7762):514-518. *PMCID: PMC6785182*.
31. INVITED CLINICAL BRIEF: Salazar-Tortosa D<sup>†</sup>, **Fernandez-Rhodes L**. *Obesity and Climate Adaptation*. *Evolution, Medicine, and Public Health*. 2019(1):104-105. *PMID: 31263561*. †Ecology PhD Student.
30. INVITED REVIEW: Young KL, Graff M, **Fernández-Rhodes L**, North KE. Genetics of Obesity in Diverse Populations. *Curr Diab Rep*. 2018; 18(12):145. *PMCID: PMC6380516*.
29. **Fernández-Rhodes L\***, Howard AG\*, Graff M, Isasi CR, Highland HM, Young KL, Parra E, Below J, Qi Q, Kaplan RC, Justice AE, Papanicolaou G, Laurie CC, Grant SFA, Haiman C, Loos RJF, North KE. Complex patterns of direct and indirect association between the transcription Factor-7 like 2 gene, body mass index and type 2 diabetes diagnosis in adulthood in the Hispanic Community Health Study/Study of Latinos. *BMC Obesity*. 2018 Oct 2;5:26. *PMCID: PMC6167893*. \*Co-first authors.
28. Justice AE, Howard AG, **Fernández-Rhodes L**, Graff M, Tao R, North KE. Direct and indirect genetic effects on triglycerides through Omics and correlated phenotypes. *BMC Proc*. 2018 Sept 17;12(Suppl 9):22. *PMCID: PMC6157130*.
27. **Fernández-Rhodes L**, Howard AG, Tao R, Young KL, Graff M, Aiello AE, North KE, Justice AE. Characterization of the Contribution of Shared Environmental and Genetic Factors to

Metabolic Syndrome Methylation Heritability and Familial Correlations. *BMC Genet.* 2018 Sept 17;19(Suppl 1):69. *PMCID: PMC6157030.*

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#### **MANUSCRIPTS UNDER REVIEW**

**\*JOINT AUTHORSHIP †,‡ STUDENT AUTHOR(S)**

3. *Multi-omics reveal key molecular signatures of severe obesity*. Priya Sharma, Hung-Hsin Chen, ... **Lindsay Fernandez-Rhodes**, Susan Fisher-Hoch, Susan Fried, Joseph McCormick, Jennifer Below, Kari E. North. Under review at *Cell Metabolism*.
2. *Advancements in genetic research by the Hispanic Community Health Study/Study of Latinos (HCHS/SOL): A 10-year Retrospective Review*. Margaret C. Weiss\*†, Hridya Rao\*‡, **Lindsay Fernández-Rhodes**, Maria Argos, Martha Daviglus, Robert Kaplan, Kari E. North, Krista M. Perreira, Jee Young Moon, Tamar Sofer. Under revision for resubmission to *HGG Advancements*. †Epidemiology MD/PhD Student, ‡Biobehavioral Health PhD Student Mentee. **\*Co-first authors**.
1. *Low educational attainment is associated with type 2 diabetes in a disadvantaged Mexican American border population*. Hannah Isabel Pleasants, Peter Yang, Absalon D Gutierrez, LaShaunta Glover, **Lindsay Fernández-Rhodes**, Susan P Fisher-Hoch Joseph B McCormick, Jennifer E Below, Kari E North, Heather M Highland, Miryoung Lee. Under revision to resubmit to *Preventive Medicine Reports*. †Epidemiology PhD Student.

#### **SELECT MANUSCRIPTS IN PREPARATION**

**\*JOINT AUTHORSHIP †,‡ STUDENT AUTHOR(S)**

5. *The Effect of Exclusionary Immigration Policies on Dietary Acculturation and Childhood Obesity: Findings from the National Health and Nutrition Examination Survey.* **Lindsay Fernández-Rhodes**, Hridya Rao<sup>†</sup>, Kelsey Shaulis<sup>‡</sup>, Danielle S. Downs, Michelle L. Frisco, Jennifer Van Hook. Under preparation for *Social Science & Medicine*. <sup>†</sup>Biobehavioral Health PhD Student, <sup>‡</sup>Sociology (Demography) PhD Student.
5. *Are adverse childhood experiences associated with weight trajectories in Hispanic/Latino adults? Findings from the Hispanic Community Health Study/Study of Latinos.* Manuela Jaramillo<sup>†</sup>, Maria M. Llabre, Patrice G. Saab, Christina Cordero, Qingyun Liu, Carmen R. Isasi, **Lindsay Fernandez-Rhodes**, Frank J. Penedo, Shakira F. Suglia, Denise C. Vidot, Neil Schneiderman, Martha Daviglus, Krista M. Perreira, Linda Van Horn, Franklyn Gonzalez II, Earle C. Chambers, Linda C. Gallo. Under revision for resubmission. <sup>†</sup>Health Psychology PhD Student.
4. *Differential Impacts of COVID-19 on Productivity among SER Affiliates: A Case for an Intersectional Perspective on Promoting Diversity and Inclusion.* Cara Frankenfeld, Brooke S Staley, Luther-King O Fasehun, Nour Makarem, Mary V Diaz Santana, David Fink, **Lindsay Fernandez-Rhodes**. Under preparation for *AJE*.
3. *Citizenship and Immigration Status on Cardiometabolic Health: Findings from the Hispanic Community Health Study/Study of Latinos.* **Lindsay Fernandez-Rhodes\***, Hridya C Rao\*<sup>†</sup>, Jasmine Agua<sup>‡</sup>, Cristin McArdle, Sandra Albrecht, Aida I Giachello, Linda C Gallo, Martha Daviglus, Carmen R Isasi, Gregory A Talavera, Krista M. Perreira. Under preparation for *International Journal of Epidemiology*. \***Co-first authors**. <sup>†</sup>Biobehavioral Health PhD Student, <sup>‡</sup>Epidemiology PhD Student.
2. *Family dysfunction and pubertal maturation in Hispanic/Latino children from the Hispanic Community Children's Health Study/Study of Latino Youth.* Ayana K. April-Sanders, Parisa Tehranifar, Mary Beth Terry, Carmen R Isasi, Linda C Gallo, **Lindsay Fernandez-Rhodes**, Krista M Perreira, Martha Daviglus, Linda Van Horn, Danielle M Crookes, Shakira F Suglia. Under revision for submission to *Health Psychology*.
1. *Genome-wide analysis of longitudinal weight and waist circumference change in diverse populations.* Tugce Karaderi, Geetha Chittoor, Misa Graff, **Lindsay Fernandez-Rhodes**, Germán D. Carrasquilla, Tuomas O. Kilpeläinen, Thorkild I.A. Sørensen, Ran Tao, Xiaoyu Zhang, Pedro Marques-Vidal, Ruth J.F. Loos, Kari E. North, Anne E. Justice. Under preparation for *Hum Mol Genet*.

## ORAL PRESENTATIONS AT CONFERENCES

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29. Population Association of America Annual Meeting, Addressing Conceptual and Measurement Disagreement of Biological Age: A Confirmatory Factor Analysis. Rae Anne Martinez, Annie Green Howard, **Lindsay Fernandez-Rhodes**, Joanna Maselko, Brian Pence, Radhika Dhingra, Allison Aiello. Cleveland, OH in April 2024.
28. Population Association of America Annual Meeting, The Association between Immigration Policy Climates and Childhood Cardiometabolic Health. **Lindsay Fernandez-Rhodes**, Hridya Rao, Kelsey Shaulis, Michelle L. Frisco, Jenny Van Hook. Cleveland, OH in April 2024.
27. Society for Epidemiologic Research Annual Meeting, The Health of Mexican Immigrant Families: Do Climates of Immigrant Inclusivity Shape Childhood Diet and Obesity? **Lindsay Fernández-Rhodes**, on behalf of the Penn State Population Research Institute Innovation, Collaboration and Leadership Team. Portland, OR, USA in June 2023.

26. Population Association of America Annual Meeting, Socioepigenomic Pathways to Elevated Body Mass Index in African American Adults. **Lindsay Fernández-Rhodes**, LáShauntá Glover, Adam G. Lilly, Brooke S. Staley, Yujie Wang, Mariaelisa Graff, Anne E. Justice, Kari E. North on behalf of ARIC Investigators. New Orleans, LA, USA in April 2023.
25. International Society for Developmental Origin of Health and Disease, Maternal Psychosocial Stress and Birth Outcomes in the Hispanic Community Health Study/Study of Latinos. Cristin McArdle, Adam Lilly, Hridya Rao, Krista Perreira, Michelle Kominiarek, Martha Daviglius, Linda Gallo, Carmen Isasi, Liana Preudhomme, Ian Paul, Christina Cordero, **Lindsay Fernandez-Rhodes**. Vancouver, Canada in August 2022.
24. Society for Epidemiologic Research Annual Meeting, Role of Citizenship and Immigration Status on Cardiometabolic Health among United States Hispanic/Latino Adults from the HCHS/SOL study. Hridya Rao<sup>†</sup>, **Lindsay Fernandez-Rhodes**, Aida Giachelloa, Martha L. Daviglius, Carmen R. Isasi, Gregory A. Talavera, Linda C. Gallo, Sandra S. Albrecht, Krista M. Perreira. To be held in Chicago, Illinois, USA in June 2022. †Biobehavioral Health PhD Student.
23. Society for Epidemiologic Research Annual Meeting, The SER Diversity and Inclusion Survey: Findings from the Second-Wave Survey and Next Steps. David JX Gonzalez, Mary Diaz Santana, David Fink, **Lindsay Fernández-Rhodes**, on behalf of the SER Diversity and Inclusion Committee. To be held in Chicago, Illinois, USA in June 2022.
22. Lifespan Enterprise Committee at the 2022 Clinical and Translational Science Awards (CTSA) Program In-Person Group Meeting, The effect of maternal lifecourse socioeconomic status on gestational size and other birth outcomes in Hispanic Community Health Study/ Study of Latinos. Cristin McArdle<sup>†</sup>, Hridya C Rao<sup>†</sup>, Tracy A Manuck, Krista M Perreira, Michelle A Kominiarek, Martha Daviglius, Linda C Gallo, Carmen R Isasi, Liana K Preudhomme, Ian M Paul, Christina Cordero, **Lindsay Fernández-Rhodes**, Oral presentation, held in Chicago, Illinois, USA on April 23, 2022. †Biobehavioral Health Postdoctoral Scholar and PhD Student.
21. The Obesity Society ObesityWeek, Methylome-Wide Association Study of Sex-Specific Effects on Central Adiposity. Geetha Chittoor, Elise Lim, Megan L. Grove, Eric A. Whitsel, Ching-Ti Liu, Adrienne Cupples, **Lindsay Fernandez-Rhodes**, Weihua Guan, Jan Bressler, Myriam Fornage, Eric Boerwinkle, Yun Li, Ellen Demerath, Nancy Heard-Costa, Penny Gordon-Larsen, Annie Green Howard, Kari E North, Anne E Justice. Held Virtually in December 2021.
20. Integrating Genetics and the Social Sciences Annual Meeting, Health Insurance, Immigration Status and Genomics: Polygenic Risk Score Interactions for Body Mass Index in the Diverse Hispanic Community Health Study/Study of Latinos (HCHS/SOL). Hassan Bokhari\*<sup>†</sup>, Cristin McArdle\*<sup>†</sup>, Fernandez-Rhodes, on behalf of HCHS/SOL Coauthors. October 28, 2021, Boulder, Colorado, USA. **\*Co-first authors.** †Undergraduate (Immunology and Infectious Diseases) Mentee and Biobehavioral Postdoctoral Scholar.
19. American Heart Association Epi/Lifestyle Meeting, Epigenetic clocks and Incident Heart Failure: The Atherosclerosis Risk in Communities (ARIC) Study. Steve Nguyen, Carin Northius, Weihua Guan, Jan Bressler, Megan Grove, Rui Xia, Zhiying Wang, **Lindsay Fernandez-Rhodes**, Anne Justice, Yun Li, Eric Whitsel, Kari E. North, Myriam Fornage, Eric Boerwinkle, James Pankow, Ellen Demerath. Held virtually on May 20-21, 2021. [Abstract 033, Circulation]

18. Cohorts for Heart & Aging Research in Genomic Epidemiology (CHARGE) Virtual Meeting, Ancestral diversity improves discovery and fine-mapping of genetic loci for anthropometric traits - the Hispanic/Latino Anthropometry Consortium. **Lindsay Fernández-Rhodes**, Misa Graff, Victoria Buchanan, Jerome Rotter, Ruth Loos, Kari E. North, on behalf of the Hispanic/Latino Anthropometry (HISLA) Consortium. Held virtually on May 6-7, 2021.
17. Annual Meetings of the Society for Epidemiologic Research and Pediatric Hospital Medicine Conference, *The Effect of the 287(g) Immigration Program on Pediatric Hospitalizations for Ambulatory Sensitive Conditions in North Carolina*. **L Fernandez-Rhodes** and MJ White, June and July 2019, Minneapolis, Minneapolis and Seattle, Washington, USA.
16. Integrating Genetics and the Social Sciences Annual Meeting. Challenges and Opportunities for Risk Prediction in Ancestrally Diverse US Populations: Results from the Hispanic/Latino Anthropometry Consortium. **L Fernandez-Rhodes**, M Graff, R Tao, M Kho, J Smith, M Preuss, RJF Loos, KE North on behalf of the HISLA Consortium, October 2019 in Boulder, Colorado, USA.
15. Annual Meetings of the Society for Epidemiologic Research and Pediatric Hospital Medicine Conference, *The Effect of the 287(g) Immigration Program on Pediatric Hospitalizations for Ambulatory Sensitive Conditions in North Carolina*. **L Fernandez-Rhodes** and MJ White, June and July 2019, Minneapolis, Minneapolis and Seattle, Washington, USA.
14. American Heart Association Epi/Lifestyle Scientific Sessions, *Adherence to heart healthy guidelines is associated with indicators of younger biological age in African Americans: The Atherosclerosis Risk in Communities (ARIC) Study*. Steve Nguyen, Weihua Guan, Jan Bressler, Myriam Fornage, Megan Grove, Rui Xia, Zhiying Wang, Anne Justice, Yun Li, Kari North, Eric Whitsel, Eric Boerwinkle, **Lindsay Fernandez-Rhodes**, James Pankow, Ellen Demerath, March 5, 2019, Houston, Texas, USA. *Circulation* 139 (Suppl\_1): A002.
13. Annual Meeting of the Obesity Society, *Intergenerational Educational Attainment on Obesity and Metabolic Syndrome in United States Latinos*. E Crenshaw<sup>†</sup>, **L Fernandez-Rhodes**, MN Haan, AE Aiello, November 2018, Nashville, Tennessee, USA. <sup>†</sup>Biostatistics BS Student under the supervision of L Fernandez-Rhodes (BIOS 540 in Spring 2018) and the Summer Undergraduate Research Fellowship (Summer 2018).
12. Annual Meeting of the Integrating Genetics into the Social Sciences and the Interdisciplinary Association for Population Health Science. *Socioeconomic Adversity, Methylation and Obesity in the Atherosclerosis Risk in Communities Study*. **L Fernandez-Rhodes**, Y Wang, AE Justice, KE North, October 2018 in Boulder, Colorado and Washington, District of Columbia, USA.
11. Annual Meeting of the Society for Epidemiologic Research, *Socioeconomic Mobility and Offspring Type 2 Diabetes: A Case for a Multi-Generational View on Health*. **L Fernandez-Rhodes**, CL Martin, P Gordon-Larsen, MN Haan, AE Aiello, June 2018, Baltimore, Maryland, USA.
10. Annual Meeting of the Society for Epidemiologic Research, *Association of immigration history and inflammatory marker profiles among older adult Mexican Americans*. CL Martin, MN Haan, **L Fernandez-Rhodes**, A Lee, AE Aiello, June 19-22 2018, Baltimore, Maryland, USA.
9. Annual Integrating Genetics and Social Sciences Conference, *A Genetic Risk Score for Increased Body Mass Index and Its Interaction with Acculturation to the United States among Hispanic/Latino Adults from the Hispanic Community Health Study/Study of Latinos*

(HCHS/SOL), **Lindsay Fernández-Rhodes**, Allison E. Aiello, Kari E. North, on behalf of their HCHS/SOL coauthors, October 2017, Boulder, Colorado, USA.

8. Panel Discussions at the National Youth Leadership Form on Medicine Conference, *What's Your Specialty Panel*, **Lindsay Fernández-Rhodes** and three other panelists, July 2017, Chapel Hill, North Carolina, USA.
7. Annual Meeting of the Society for Epidemiologic Research, *Intergenerational educational attainment and varying measures of obesity in Latino adults living in the United States*, **Lindsay Fernández-Rhodes**, Julia Ward, Lydia Feinstein, Adina Zeki-Al-Hazzouri, Jaqueline Torres, Penny Gordon-Larsen, Mary N Haan, Allison E Aiello, June 20-23 2017, Seattle, Washington, USA.
6. Genetic Analysis Workshop 20, *Comparison of Approaches to Characterizing Potential Epigenetic Inheritance at Methylation Loci Previously Associated with Metabolic Syndrome using Family-Based Data from the Genetics of Lipid Lowering Drugs and Diet Network (GOLDN) Study*, **Lindsay Fernández-Rhodes**, Annie Green Howard, Ran Tao, Kristin Young, Allison E Aiello, Kari E North, Anne E Justice, March 4-8 2017, San Diego, California, USA.
5. Genetic Analysis Workshop 19, *Comparison of Gene-Environment Methods using Simulated GAW19 Family-Based Data*, **Fernández-Rhodes L**, Graff M, Hodonsky CJ, Love SM, Seyerle AA, Avery CL, Chittoor G, Franceschini N, Howard AG, Voruganti VS, Young K, North KE, Justice A, August 2014, Vienna, Austria.
4. Dissertation Workshop Preceding the Annual Meeting of the Society for Epidemiologic Research, *Acculturation and Genetic Susceptibility to Adulthood Weight Gain among US Hispanic/Latinos*, **Lindsay Fernández-Rhodes**, June 2014, Seattle, Washington, USA.
3. Population Architecture using Genomics and Epidemiology (PAGE) Study Meetings, *Associations of BMI genetic loci with age of menarche in PAGE, and Acculturation and its interaction with genetic susceptibility for obesity among U.S. Hispanics/Latinos*, **L Fernández-Rhodes** on behalf of the Reproductive and Adiposity PAGE Working Groups, October 2012, Washington, District of Columbia, USA.
2. Adiposity Working Group: CHARGE Investigators Meeting, *Associations of BMI SNPs with Age at Menarche*, **L Fernández-Rhodes**, on behalf of the ReproGen Consortium, May 2012, Reykjavik, Iceland.
1. National Heart Lung and Blood Institute Cardiovascular, Epidemiology, Biostatistics, and Prevention Trainee Session, *FTO variant and age at menarche simultaneously predict measures of obesity in young and late adulthood*, **Lindsay Fernández-Rhodes**, Ellen Demerath, Jill Dreyfus, Kari E. North, Nora Franceschini, March 2011, Atlanta, Georgia, USA.

#### **SELECT POSTER PRESENTATIONS AT CONFERENCES**

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54. 6<sup>th</sup> ELSI Congress, Genome-Wide Studies in Polycystic Ovary Syndrome and multiancestry analyses: a systematic review with equity in mind. Hridya Rao, **Lindsay Fernandez-Rhodes**, Jennifer Wager. To be held in New York, NY in June 2024.
53. MODERATED: American Heart Association Epi/Lifestyle Meeting, Non-genetic component of height as a surrogate marker for childhood socioeconomic status and its association with cardiovascular and brain health: results from HCHS/SOL. Jee-Young Moon, Paola Filigrana, Linda C Gallo, Krista M Perreira, Jianwen Cai, Martha Daviglus, **Lindsay E Fernandez-**

- Rhodes**, Olga Garcia-Bedoya, Robert Kaplan, Qibin Qi, Bharat Thyagarajan, Wassim Tarraf, Tao Wang, Carmen R. Isasi [MPS08]. Chicago, IL in March 2024.
52. American Society of Human Genetics Annual Meeting, Genetically-predicted gene expression identifies novel candidate genes for Polycystic Ovary Syndrome. Hridya Rao, **Lindsay Fernández-Rhodes**, Navya Josyula, Anne E. Justice. Washington, DC in November 2023.
51. International Genetic Epidemiology Society Annual Meeting, Genetic Determinants of Coronary Heart Disease in Hispanic/Latinos: Electronic Health Records. Geetha Chittoor, Navya S. Josyula, Yao Tu, **Lindsay Fernández-Rhodes**, Misa Graff, Elizabeth Frankel, Lauren E. Petty, Jennifer E. Below, Kari E. North, Anne E. Justice. Nashville, TN in November 2023.
50. American Society of Human Genetics Annual Meeting, Multi-omics reveal key molecular signatures of severe obesity. Lauren E. Petty, Hung-Hsin Chen, Priya Sharma, Hannah G. Polikowsky, Jungkyun Seo, Mohammad Yaser Anwar, Daeun Kim, Mariaelisa Graff, Kristin L. Young, Wanying Zhu, Kalypso Karastergiou, Douglas M. Shaw, Anne E. Justice, **Lindsay Fernández-Rhodes**, Mohanraj Krishnan, Absalon Gutierrez, Peter McCormick, Penny Gordon-Larsen, Miryoung Lee, Heather M. Highland, Eric R Gamazon, Nancy J. Cox, Susan K. Fried, Susan Fisher-Hoch, Joseph McCormick, Kari E. North, Jennifer E. Below. Washington, DC in November 2023.
49. Alzheimer's Association International Conference. Childhood and life-course socioeconomic position and cognitive function in adults of the Hispanic Community Health Study/Study of Latinos. P Filigrana, JY Moon, LC Gallo, LE Fernandez-Rhodes, KM Perreira, ML Daviglius, B Thyagarajan, L Garcia-Bedoya, J Cai, RB Lipton, RC Kaplan, HM Gonzalez, CR Isasi. Amsterdam, Netherlands in July 2023.
48. Society for Epidemiology Research Annual Meeting, Metabolic Syndrome burden in Polycystic Ovary Syndrome cases in Hispanic/Latinas from the Hispanic Community Health Study/Study of Latinos: Effect Modification by high-CRP and Menopause Status. Hridya Rao<sup>†</sup>, **Lindsay Fernández-Rhodes**, Michelle L Meyer, Michelle A Kominiarek, Martha Daviglius, Linda C Gallo, Christina Cordero, Raveen Syan, Krista M Perreira, Gregory A Talavera. Portland, OR in June 2023. <sup>†</sup>Biobehavioral Health PhD Student.
47. 6<sup>th</sup> Annual Founder's Endowment for Excellence and Innovation Research Day, Effect of Citizenship and Immigration Status on Cardiometabolic Health among United States Hispanic/Latino Adults from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL) study. Hridya Rao<sup>\*†</sup>, **Lindsay Fernández-Rhodes**<sup>\*</sup>, Cristopher Navarrete<sup>†</sup>, Aida Giachelloa, Martha L. Daviglius, Carmen R. Isasi, Gregory A. Talavera, Linda C. Gallo, Krista M. Perreira. University Park, Pennsylvania, USA at April 2023. <sup>\*</sup>**Co-first authors**. <sup>†</sup>Biobehavioral Health PhD and Undergraduate Students.
46. Pacific Symposium on Biocomputing 2023 Annual Meeting, Socioepigenomic Pathways to Elevated Body Mass Index in African American Adults. **Lindsay Fernández-Rhodes**, LáShauntá Glover, Adam G. Lilly, Brooke S. Staley, Yujie Wang, Mariaelisa Graff, Anne E. Justice, Kari E. North on behalf of ARIC Investigators. Kona, HI, USA in January 2023.
45. Women's Health Research Day, Maternal Psychosocial Stress and Birth Outcomes in the Hispanic Community Health Study/Study of Latinos. Cristin McArdle<sup>†</sup>, Adam Lilly, Hridya Rao, Krista Perreira, Michelle Kominiarek, Martha Daviglius, Linda Gallo, Carmen Isasi, Liana Preudhomme, Ian Paul, Christina Cordero, **Lindsay Fernández-Rhodes**. Hershey, Pennsylvania, USA in October 2022. <sup>†</sup>Biobehavioral Health Postdoctoral Scholar.



44. Society for Perinatal and Pediatric Epidemiology Annual Meeting, Findings from Hispanic Community Health Study/Study of Latinos (HCHS/SOL) on prospective influence of maternal psychosocial stressors and BMI. Cristin McArdle<sup>†</sup>, Hridya Rao<sup>†</sup>, Tracy A Manuck, Krista M Perreira, Michelle A Kominiarek, Martha Daviglius, Linda C Gallo, Carmen R Isasi, Liana K Preudhomme, Ian M Paul, Christina Cordero, **Lindsay Fernández-Rhodes**. Chicago, Illinois, USA in June 2022. <sup>†</sup>Biobehavioral Health Postdoctoral Scholar and PhD Student.
43. 5<sup>th</sup> Annual Founder's Endowment for Excellence and Innovation Research Day, Examining maternal psychosocial stressors in the association of adverse birth outcomes among self-identified Hispanic/Latinas using a structural equation modeling approach. Cristin McArdle<sup>†</sup>, Adam Lilly, Hridya Rao, Krista Perreira, Michelle Kominiarek, Martha Daviglius, Linda Gallo, Carmen Isasi, Liana Preudhomme, Ian Paul, Christina Cordero, **Lindsay Fernandez-Rhodes**. March-April 2022, University Park, Pennsylvania, USA. <sup>†</sup>Biobehavioral Health Postdoctoral Scholar.
42. 5<sup>th</sup> Annual Founder's Endowment for Excellence and Innovation Research Day, Biobehavioral Health Department and University Undergraduate Research Day. Health Insurance, Immigration and Genomics: Polygenic Risk Score Interactions for Body Mass Index in the Diverse Hispanic Community Health Study/Study of Latinos (HCHS/SOL). Hassan Bokhari<sup>†</sup>, Cristin McArdle<sup>†</sup>, **Lindsay Fernandez-Rhodes**, on behalf of HCHS/SOL Investigators, April 2022, University Park, Pennsylvania, USA. <sup>†</sup>Undergraduate (Immunology and Infectious Disease) Mentee and Biobehavioral Health Postdoctoral Scholar.
41. American Heart Association Epi/Lifestyle Meeting, Methylation sites associated with cumulative SES and obesity among African American adults from the Atherosclerosis Risk in Communities Study. LáShauntá M. Glover<sup>†</sup>, Yujie Wang, Anne E. Justice, Brooke S. Staley, Adam Lilly, Kari E. North, **Lindsay Fernandez-Rhodes**, March 2022, Chicago, Illinois, USA. *Circulation*. 2022;145:AP178 [https://doi.org/10.1161/circ.145.suppl\\_1.P178](https://doi.org/10.1161/circ.145.suppl_1.P178) \*Epidemiology PhD Student.
40. Society for Epidemiologic Research Annual Meeting, The Association between Polycystic Ovary Syndrome and Metabolic Syndrome in the HCHS/SOL Study: Common Genetic Architecture. Hridya Rao<sup>†</sup>, **Lindsay Fernandez-Rhodes**, Michelle L Meyer, Martha Daviglius, Michelle A Kominiarek, Cristina Cordero, Raveen Syan, Krista M Perreira, Gregory Talavera. Held virtually in June 2021. <sup>†</sup>Biobehavioral Health PhD Student.
39. American Heart Association Epi/Lifestyle Meeting, Self-Reported Polycystic Ovary Syndrome is Associated with Higher Odds of Metabolic Syndrome in Women Aged 18-76 Years from the Hispanic Community Health Study/Study of Latinos. Hridya C Rao<sup>†</sup>, **Lindsay Fernandez-Rhodes**, Michelle Meyer, Michelle Kominiarek, Linda Gallo, Raveen Syan, Krista Perreira. Held virtually in May 20-21, 2021. *Circulation*. 2021;143:AP022 [https://doi.org/10.1161/circ.143.suppl\\_1.P022](https://doi.org/10.1161/circ.143.suppl_1.P022) <sup>†</sup>Biobehavioral Health PhD Student.
38. Longitudinal Studies Conference, Genome-wide analysis of longitudinal weight and waist change in diverse adult populations. Tugce Karaderi, Anne Justice, Geetha Chittoor, Misa Graff, **Lindsay Fernandez-Rhodes**, Germán D. Carrasquilla, Tuomas O. Kilpeläinen, Thorkild I.A. Sørensen, Ran Tao, Xiaoyu Zhang, Pedro Marques-Vidal, Ruth J.F. Loos, on behalf of the Adiposity Change Working Group. Held virtually in March 2021.
37. Society for Epidemiologic Research Annual Meeting, Gene-Acculturation Interactions on BMI in a Hispanic/Latino population using a Polygenic Risk Score. Cristin McArdle<sup>†</sup>, **Lindsay Fernández-Rhodes**, Victoria Buchanan, Carmen R. Isasi, Mariaelisa Graff, Kari E North, on

behalf of the HCHS/SOL Coauthors. Held virtually in December 2020. †Biobehavioral Health Postdoctoral Scholar.

36. American Psychosomatic Society Meeting, Non-genetic Childhood Factors of Height Are Associated with Cognitive Function in Hispanic/Latino Adults: The Hispanic Community Health Study/Study of Latinos (HCHS/SOL). Carmen R Isasi, Jee-Young Moon, Qibin Qi, Tao Wang, Simin Hua, Linda Gallo, **Lindsay Fernandez-Rhodes**, Krista M Perreira, Martha L Daviglius, Bharat Thyagarajan, Olga L Garcia-Bedoya, Jianwen Cai, Hector Gonzalez, Richard Lipton, Robert Kaplan. Held virtually in December 2020. [Abstract 1181, *Psychosomatic Medicine*]
35. Women's Health Research Day, Risk Factors for Adulthood Weight Gain in Hispanic/Latinas: Results from the Hispanic Community Health Study / Study of Latinos (HCHS/SOL). **Lindsay Fernandez-Rhodes** on behalf of the HCHS/SOL coauthors. Cancelled due to COVID-19. Planned for April 2020 in Hershey, Pennsylvania, USA.
34. American Heart Association Lifestyle Meeting, Associations of an Epigenetic Biomarker of Aging and Healthspan With BMI Status and Metabolic Health in Adult African Americans: The Atherosclerosis Risk in Communities (ARIC) Study. Steve Nguyen\*, Weihua Guan, Jan Bressler, Megan Grove, Rui Xia, Zhiying Wang, **Lindsay Fernandez-Rhodes**, Anne E Justice, Yun Li, Eric A Whitsel, Kari E. North, Myriam Fornage, Eric Boerwinkle, James S Pankow, Ellen W Demerath. Held March 3, 2020, Phoenix, Arizona, USA. *Circulation*. 2020;141:AP272: [https://doi.org/10.1161/circ.141.suppl\\_1.P272](https://doi.org/10.1161/circ.141.suppl_1.P272) \*Graduate Student in Epidemiology at University of Minnesota.
33. American Heart Association Lifestyle Meeting, DNA Methylation Measures of Aging in Midlife are Associated with Frailty Components in African American and European American Older Adults: The Atherosclerosis Risk in Communities (ARIC) Study. Steve Nguyen†, Weihua Guan, Jan Bressler, Megan Grove, Priya Palta, Rui Xia, Zhiying Wang, **Lindsay Fernandez-Rhodes**, Anne E Justice, Yun Li, Eric A Whitsel, Kari E. North, Myriam Fornage, Eric Boerwinkle, Anna Kucharska-Newton, James S Pankow, Ellen W Demerath. March 3, 2020, Phoenix, Arizona, USA. *Circulation*. 2020;141:AP271: [https://doi.org/10.1161/circ.141.suppl\\_1.P271](https://doi.org/10.1161/circ.141.suppl_1.P271) †Epidemiology PhD Student.
32. American Society of Human Genetics Annual Meeting, Resilience to polygenic risk of severe obesity: the Hispanic Community Health Study/ Study of Latinos (HCHS/SOL), V Buchanan†, M Graff, A Justice, **L Fernandez-Rhodes**, R Smit, Y Wang, R Rohde, Q Qi, C Isasi, RJF Loos, KE North, October 2019, Houston, Texas, USA. †Epidemiology PhD Student.
31. Annual Meeting of the Society for Perinatal and Pediatric Research, Sociocultural factors associated with excessive gestational weight gain and postpartum weight retention in the Hispanic Community Health Study/Study of Latinos. Christina Cordero, Maria M. Llabre, Michelle A. Kominiarek, Anna Maria Siega-Riz, Krista M Perreira, Catherine J. Vladutiu, **Lindsay Fernandez-Rhodes**, Daniela Sotres-Alvarez, Kelly R. Evenson, Linda C Gallo, Melissa A Simon, Carmen R Isasi, and Neil Schneiderman, June 2019, Minneapolis, Minnesota, USA.
30. Annual Meetings of the Pediatric Academic Society, *The Effect of the 287(g) Immigration Program on Pediatric Hospitalizations for Ambulatory Sensitive Conditions in North Carolina*. **L Fernandez-Rhodes** and MJ White, April 2019, Baltimore, Maryland, USA.
29. Integrating Genetics and the Social Sciences Annual Meeting. *Socioeconomic Adversity, Methylation and Obesity in the Atherosclerosis Risk in Communities Study*. **L Fernandez-Rhodes**, Y Wang, AE Justice, KE North, October 2018, Boulder, Colorado, USA.

28. Annual Meeting of the Society for Epidemiologic Research, *Citizenship and Immigration Status on the Burden of Cardiometabolic Risk Factors among Hispanic/Latino Adults Living in the United States*. **L Fernandez-Rhodes**, CR Isasi, LC Gallo, K Perreira, June 2018, Baltimore, Maryland, USA.
27. Population Association of America Annual Meeting. *Demographic, Sociocultural, Behavioral and Health-Related Factors and Adulthood and Migration-Related Weight Gain Among Hispanic/Latino Adults: Results from the Hispanic Community Health Study / Study of Latinos (HCHS/SOL)*. **L Fernandez-Rhodes**, EK Lodge\*, D Sotres-Alvarez, N Franceschini, MM Llabre, EM Arredondo, LC Gallo, W Arguelles, ML Daviglius, CR Isasi, P Smokowski, P Gordon-Larsen, AE Aiello, K Perreira, KE North, April 2018, Denver, Colorado, USA. \*MD/PhD Student co-mentored by L Fernandez-Rhodes and AE Aiello.
26. The Obesity Society Annual Meeting. *Genome-wide association of methylation with central adiposity and body fat distribution*. Anne E Justice, **Lindsay Fernandez-Rhodes**, Megan Grove, Ching-Ti Liu, Adrienne Cupples, Weihua Guan, Jan Bressler, Myriam Fornage, Eric Boerwinkle, Yun Li, Ellen Demerath, Eric Whitsel, Penny Gordon-Larsen, Annie Green Howard, Kari E North, October-November 2017, National Harbor, Maryland, USA.
25. Integrating Genetics and the Social Sciences Annual Meeting. *A Genetic Risk Score for Increased Body Mass Index and Its Interaction with Acculturation to the United States among Hispanic/Latino Adults from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)*, **Lindsay Fernández-Rhodes**, Allison E. Aiello, Kari E. North, on behalf of their HCHS/SOL coauthors, October 2017, Boulder, Colorado, USA.
24. Annual Meeting of the Society for Epidemiologic Research, *Intergenerational language trajectories and depressive symptoms among US Latinos*. Julia Ward\*, **Lindsay Fernandez-Rhodes**, Mary N Haan, Allison E Aiello, June 20-23, 2017, Seattle, Washington, USA. \*PhD Student completing her dissertation with AE Aiello.
23. Genetic Analysis Workshop 20, *Comparison of Approaches to Characterizing Potential Epigenetic Inheritance at Methylation Loci Previously Associated with Metabolic Syndrome using Family-Based Data from the Genetics of Lipid Lowering Drugs and Diet Network (GOLDN) Study*, **Lindsay Fernández-Rhodes**, Annie Green Howard, Ran Tao, Kristin Young, Allison E Aiello, Kari E North, Anne E Justice, March 4-8, 2017, San Diego, California, USA.
22. American Heart Association Epi/Lifestyle Scientific Sessions, *The Association of Common Genetic Loci with Childhood Obesity in 1,612 Hispanic/Latino Children and Adolescents from across the United States and Mexico*, **Lindsay Fernandez-Rhodes**, Mariaelisa Graff, Jonathan Bradfield, Yujie Wang, Esteban J. Parra, Miguel Cruz, Astride Audirac, Bertha Hidalgo, Heather Highland, Anthony G. Comuzzie, Nancy F. Butte, Shelly A. Cole, V. Saroja Voruganti, Chris Haiman, Ruth F. Loos, Struan F. A. Grant, Kari E. North, March 7-10, 2017, Portland, Oregon, USA. [Abstract P140, Circulation]
21. Annual Meeting of The Obesity Society, *A Search for Multiethnic Genetic Markers of Anthropometric traits among Ethnically Diverse US Populations in Population Architecture using Genomics and Epidemiology (PAGE) Consortium*, Misa Graff, **Lindsay Fernandez-Rhodes**, and other PAGE Consortium Obesity Working Group coauthors, October 31-November 4, 2016, New Orleans, Louisiana, USA.
20. Epidemiology Congress of the Americas, *Does acculturation to the United States exacerbate genetic susceptibility to increased body mass index among Hispanic/Latino adults?: the*

*Population Architecture using Genomics and Epidemiology (PAGE) Study*, **Lindsay Fernandez-Rhodes** on behalf of the PAGE Consortium Obesity Working Group [Poster 1106], June 2016, Miami, Florida USA.

19. American Society of Human Genetics, *Exploring genetic variants for anthropometric traits in Hispanic/Latino populations*, Mariaelisa Graff, **Lindsay Fernandez-Rhodes**, Heather M. Highland, Schurmann C, Feng Y, Cruz M, Valladares-Salgado A, Rangarajan J, Rojo C, Guo X, Rotter J, Allison M, Igo R, Pereira A, John E, Tusie-Luna T, Aguilar Salinas CA, Gonzalez C, Gignoux C, Iyengar S, Hanis C, Below JE, Hartwig F, Duggirala R, Puppala S, Dyer T, Justice AE, Young KL, Chittoor G, Voruganti VS, Albrecht S, Raffel L, Laurie CC, Isai CR, et al., October 2015, Baltimore, Maryland, USA.
18. American Society of Human Genetics, *Characterization of 20,000 clinically relevant variants in 50,000 non-European individuals*, E.E. Kenny, C.R. Gignoux, S.A. Bien, N. Zubair, A.E. Justice, **L. Fernandez-Rhodes**, M. Graff, G.L. Wojcik, Y. Vaydylevich, G.M. Belbin, A.A. Seyerle, J.M. Kocarnik, R.D. Jackson, J. Xing, F. Schumacher, E. Stahl, J.L. Ambite, S. Buyske, C. Wassel, I. Cheng, L.A. Hindorff, T.C. Matise, R.J.F. Loos, C. Kooperberg, K.E. North, C.A. Haiman, J. Romm, C.D. Bustamante, C.S. Carlson, N.S. Abul-Husn, October 2015, Baltimore, Maryland, USA.
17. MODERATED: American Heart Association Cardiovascular Disease Epidemiology and Prevention Scientific Session, *Patterning of CVD risk factors with trajectories of adulthood weight gain in adults 50-76 years of the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)*, **L Fernández-Rhodes**, A Justice, D Sotres-Alvarez, KE North [MP23], March 2015, Baltimore, Maryland, USA.
16. The Obesity Society's Annual Scientific Meeting, *Accuracy of self-reported weight in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)*, **L Fernández-Rhodes**, D Sotres-Alvarez, P Gordon-Larsen, N Franceschini, W Robinson, CR Isasi, KE North [T-2437-P\_DT], November 2014, Boston, Massachusetts, USA.
15. Genetic Analysis Workshop 19, *Comparison of Gene-Environment Methods using Simulated GAW19 Family-Based Data*, **Fernández-Rhodes L**, Graff M, Hodonsky CJ, Love SM, Seyerle AA, Avery CL, Chittoor G, Franceschini N, Howard AG, Voruganti VS, Young K, North KE, Justice A, August 2014, Vienna, Austria.
14. International Genetic Epidemiology Society, *Epigenome-Wide Association Study Of Centralized Adiposity In 2,083 African Americans: The Atherosclerosis Risk In Communities (ARIC) Study*, **Lindsay Fernández-Rhodes**, Yun Li, Misa Graff, Weihua Guan, Megan L. Grove, Qing Duan, Guosheng Zhang, Myriam Fornage, James Pankow, Ellen W. Demerath, [Abstract 39], August 2014, Vienna, Austria.
13. Annual Meeting of the Society for Epidemiologic Research, *Modification of genetic susceptibility to increased body mass by measures of acculturation among United States Hispanic/Latinos: the Population Architecture using Genomics and Epidemiology Consortium*, **Lindsay Fernández-Rhodes** on behalf of the HCHS/SOL Writing Group, June 2014, Seattle, Washington, USA.
12. American Heart Association Cardiovascular Disease Epidemiology and Prevention Scientific Session, *Fine mapping of body fat distribution loci in African American populations: The Population Architecture using Genomics and Epidemiology (PAGE) Study*, Sachiko Yoneyama, Misa Graff, Unhee Lim, Jian Gong, Jeff Haessler, Myriam Fornage, **Lindsay Fernandez-Rhodes**, et al. March 2014, San Francisco, California, USA.

11. American Society of Human Genetics, *Evidence for shared genetic loci between body mass index and menarche timing among 5,357 Hispanic/Latina women in the Population Architecture using Genomics and Epidemiology Study*, **Fernández-Rhodes L.** Carty C, Kooperberg C, Peters U, Matise T, Ambite JL, Demerath E, Dreyfus J, Gross M, Pankratz N, Ramos E, Hindorff L, Daviglius M, Kaplan R, Castañeda S, Heiss G, Lim U, Haiman C, Le Marchand L, North K, Franceschini N [Abstract 804W], October 2013, Boston, Massachusetts, USA.
10. American Society of Human Genetics, *Discovery and fine-mapping of BMI loci using MetaboChIP: a trans-ethnic meta-analysis from the Population Architecture using Genomics and Epidemiology (PAGE) Study*, Jian Gong, Fredrick Schumacher, Lucia A. Hindorff, Unhee Lim, Jeff Haessler, Christopher S. Carlson, Stephanie Rosse, Petra Bůžková, Richard Cooper, Georg Ehret, C. Charles Gu, Marguerite R. Irvin, Misa Graff, **Lindsay Fernández-Rhodes**, Eric Boerwinkle, Tara C. Matise, Loic Le Marchand, Charles Kooperberg, Dana C. Crawford, Christopher A. Haiman, Kari E. North, Ulrike Peters [Abstract 767F], October 2013, Boston, Massachusetts, USA.
9. American Heart Association Cardiovascular Disease Epidemiology and Prevention Scientific Session, *Evidence for shared genetic loci between body mass index and menarche timing among African American women in the Atherosclerosis Risk in Communities (ARIC) Study*, **L. Fernández-Rhodes** on behalf of the Population Architecture using Genomics and Epidemiology (PAGE) Consortium, March 2013, New Orleans, Louisiana, USA [Abstract P158, *Circulation*].
8. American Society of Human Genetics, *Genetic variation and age at natural menarche and menopause in African American women from the Population Architecture using Genomics and Epidemiology (PAGE) Study*, Jennifer Malinowski, Kylee L. Spencer, Cara L. Carty, Nora Franceschini, **Lindsay Fernández-Rhodes**, Alicia Young, Iona Cheng, Marylyn D. Ritchie, Christopher A. Haiman, Lynne Wilkens, Chunyuan Wu, Tara C. Matise, Christopher S. Carlson, Kathleen Brennan, Amy Park, Aleksandar Rajkovic, Lucia A. Hindorff, Steve Buyske, Dana C. Crawford, November 2012, San Francisco, California, USA [Abstract 2024F].
7. Annual Meeting of the Society for Epidemiologic Research, *Mendelian randomization study of the association of age at menarche and type 2 diabetes*, J. Dreyfus, J. Pankow, M. Barbalic, R. Huxley, P. Lutsey, **L. Fernández-Rhodes**, E. Selvin, N. Franceschini, E. Demerath, June 2012, Minneapolis, Minnesota, USA.
6. American Heart Association Cardiovascular Disease Epidemiology and Prevention Scientific Session and CHARGE Investigators Meetings, *Generalization of adiposity-related common genetic variants among U.S. Hispanic women in WHI-SHARe*, **L. Fernández-Rhodes**, M. Graff, S. Liu, C. Carlson, S. Wassertheil-Smoller, M. Neuhouser, A. Reiner, C. Kooperberg, E. Rimpersaud, J.E. Manson, L. Kuller, B.V. Howard, H.M. Ochs-Balcom, K.C. Johnson, M.Z. Vitolins, L. Sucheston, K. Monda, K.E. North, March 2012, San Diego, CA, USA [Abstract P233, *Circulation* 2012;125 (Suppl 10)] and May 2012, Reykjavik, Iceland.
5. International Congress for Human Genetics, *Adiposity-related single nucleotide polymorphisms (SNPs) associations with pubertal timing in 92,104 women: the ReproGen Consortium*, **L. Fernández-Rhodes**, K.K. Ong, E.W. Demerath, J. Dreyfus, J.M. Murabito, C.E. Elks, D.I. Chasman, K.L. Lunetta, T. Esko, C. He, T. Corre, K.E. North, D.J. Hunter, J.N. Hirschhorn, N. Franceschini, on behalf of the ReproGen Consortium, October 2011, Montreal, Quebec, Canada [Abstract 394T].

4. Center for Disease Control and Prevention Division of Diabetes Translation Conference, *Age at Menarche is Associated with Age at Diabetes Diagnosis in the Atherosclerosis Risk in Communities Study (ARIC)*, Jill Dreyfus, Pamela L. Lutsey, Rachel Huxley, James S. Pankow, Elizabeth Selvin, **Lindsay Fernández-Rhodes**, Nora Franceschini, Ellen W Demerath, April 2011, Minneapolis, Minnesota, USA.
3. American Heart Association Cardiovascular Disease Epidemiology and Prevention Scientific Session, *FTO variant and age at menarche simultaneously predict measures of obesity in young and late adulthood*, **Lindsay Fernández-Rhodes**, Ellen Demerath, Jill Dreyfus, Kari E. North, Nora Franceschini, March 2011, Atlanta, Georgia, USA [Abstract P256].
2. American Neurological Association and National Institute of Neurological Disorders and Stroke Intramural Retreat, *Efficacy and safety of dutasteride in patients with spinal and bulbar muscular atrophy*, **Fernández-Rhodes LE**, Kokkinis AD, White MJ, Watts CA, Auh S, Jeffries NO, Shrader JA, Lehky TJ, Li L, Ryder JE, Levy EW, Solomon CI, Harris-Love MO, La Pean A, Schindler AB, Chen C, Di Prospero NA, Fischbeck KH, June 2008 and October 2009, Airlie, VA and Baltimore, MD, USA [Abstract M71].
1. National Institute of Neurological Disorders and Stroke Intramural Retreat, *Clinical features of spinal and bulbar muscular atrophy*, **Rhodes LE**, Freeman BK, Kokkinis AD, La Pean A, Chen C, Lehky TJ, Shrader JA, Levy EW, Harris-Love M, Di Prospero NA, Fischbeck KH, June 2008, Airlie, VA, USA.

## **AWARDED RESEARCH SUPPORT**

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### **Inter-Institutional Partnerships to Diversify Research PI: Fernandez-Rhodes**

PSU

To begin 9/1/24

*Interdisciplinary Partnerships to Foster Health Equity in the Lower Rio Grande Valley to Penn State--*  
\$25,000 direct costs

This University-level 2-year internal award would support regular travel, graduate assistance and computing costs to partner with the University of Texas Rio Grande Valley, a Hispanic serving institution, and the University of Texas Health Science Center at Houston- School of Public Health Brownsville campus (located in Cameron County), which we propose would result in two interdisciplinary R01 grant applications between Penn State and Cameron County Hispanic Cohort investigators over the next two years. Dr. Mohanraj Krishnan (Assistant Professor, BBH) is an internal Co-Investigator on the award, along with the external collaborators: Drs. Joseph McCormick, Sue Fisher-Hoch, Miryoung Lee and Cesar Gutierrez Martinez.

### **R03HD114957 – PI: Fernandez-Rhodes**

NIH/NICHHD

8/9/24 – 7/31/26

*Immigration Policies, Dietary Acculturation and Childhood Obesity—* \$160,400 total (\$100,000 direct costs)

To describe the relationship between external life stressors, child diet and obesity risk in children of Mexican immigrants. Each aim will assess immigration enforcement and policy towards immigrants at the local and state level on child health and well-being.

### **Biobehavioral Health Seed Grant – PI: Rutherford Siegel, Fernandez-Rhodes**

PSU/BBH

1/1/24 – 12/31/24

*Establishing a telomere length measurement using digital PCR—*\$4,995 direct costs

As a Co-PI on this seed grant, I will work with Dr. Rutherford Siegel to analyze the digital PCR results using standard telomere references and contribute to the drafting of a protocol based on the work.

**R21HL170280 – PI: Fernandez-Rhodes**

NIH/NHLBI

8/17/23 – 6/30/25

*Bio-social Pathways Linking Socioeconomic Adversity to Obesity*— \$243,049 total (\$150,000 direct costs)

To describe the complex pathways between socioeconomic adversity, obesity, methylome and gene expression changes in the ~9,000 multi-ethnic samples of the Population Architecture Using Genomics and Epidemiology Consortium.

**R01HL163262 – MPI: Graff, Fernandez-Rhodes**

NIH/NHLBI

1/16/23 – 12/31/26

*Leveraging Hispanic/Latino diversity to map and characterize cardiovascular cardiovascular disease loci*—\$2,977,946 total (\$2,740,421 direct costs)

The major goals of this project are to conduct a large-scale Hispanic/Latino genome-wide association study of cardiovascular disease traits, and build a diverse resource of gene expression data on Hispanic/Latino samples for functional characterization. The grant is administered through the UNC Department of Epidemiology (MPI Graff).

**Biobehavioral Health Seed Grant – PI: Kamens**

PSU/BBH

1/1/23 – 12/31/23

*Developing an animal model to investigate the biological mechanisms underlying human epigenome-wide association studies*—\$10,000 direct costs

As a Co-Investigator on this seed grant, I will work with Dr. Kamens to type the methylation and inflammation profiles at SOCS3 of mice who were exposed to early life stress to see if this animal model recapitulates the effects seen in human studies.

**Population Research Institute Innovation, Collaboration and Leadership Team Grant – MPI: Fernandez-Rhodes, Frisco**

PSU/PRI

1/1/22 – 12/31/23

*The health of immigrant families: How structural incorporation fear, stress and avoidance shape well-being*— \$35,313 direct costs

A competitive internal grant mechanism from the research institute to establish new collaborative, interdisciplinary teams, such as between myself, Drs. Michelle Frisco (MPI, Sociology & Criminology) and Jennifer Van Hook (Co-I, Sociology & Criminology) to support Restricted Data Center fees and protect time for writing multiple R-level grant applications together.

**Social Science Research Institute Faculty Fellows (Mentored) – PI: Fernandez-Rhodes**

PSU/SSRI

1/1/22 – 12/31/22

*Overweight/Obesity in Diverse Backgrounds of US Latinx Children: The Effect of Bio-Psychosocial Stressors in Early Life and Childhood*— \$16,000 direct costs

A faculty fellowship to work with Drs. Danielle Downs (Kinesiology, Obstetrics & Gynecology, Michelle Frisco (co-primary mentors; Sociology & Criminology) and Jennifer Van Hook (secondary; Sociology & Criminology) to generate preliminary data using Restricted Data Center data for future grant applications.

**Biobehavioral Health Seed Grant – MPI: Fernandez-Rhodes, McArdle**

PSU/BBH

3/9/21 – 6/30/23

*Examining the effect programming of maternal physiology via epigenetic mechanisms on pediatric obesity and heritability of epigenetic modifications*— \$21,476 direct costs

To work with MPI (Cristin McArdle, Postdoctoral Scholar) to type the methylation profiles of pre-COVID saliva samples from up to 74 US-born Latino children and use this pilot data to a R01 application.

**Population Research Institute Seed Grant – PI: Fernandez-Rhodes**

PSU/PRI

7/1/20 – 6/30/22

*Epi/Genetic and Bio-Psychosocial Risk Factors for Adverse Birth Outcomes and Childhood Obesity in US Latino Children (Updated Title: Socioepigenomic Pathways to Obesity in Diverse Populations)*— \$15,548 direct costs

To support my ongoing grant writing activities (\$13,036), as well as emergency funds (in the amount of \$2,512) to reposition my research program amid the COVID-19 pandemic during AY 2020-2021.

**Biobehavioral Health Seed Grant – PI: Fernandez-Rhodes**

PSU/BBH

11/5/18 – 6/30/19

*Shared Bio-Psychosocial and Epi/Genetic Risk of Adverse Birth Outcomes and Childhood Obesity in US Latino Children of Diverse Backgrounds*— \$14,876 direct costs

To describe the reliability of DNA methylation assessments in US Hispanic/Latina women and use this pilot data to submit subsequent Career Development applications.

**Gene Orringer Junior Faculty Career Development Program (TraCS KL2) – PI: Fernandez-Rhodes**

Awarded 4/6/18;

UNC/CTSA

Declined 4/13/18 to join Penn State faculty

*Genetic, Bio-Psychosocial and Epigenetic Risk Factors for Preterm Birth and Low Birth Weight among Hispanic/Latina Women of Diverse Backgrounds*

To describe the etiology of adverse birth outcomes among US Hispanic/Latina women, under the co-mentorship of Drs. Stephanie Engel, Tracy Manuck, Allison Aiello and Kari E. North.

**Predocutorial Fellowship Grant 13PRE16100015 – PI: Fernández-Rhodes**

American Heart Association Mid-Atlantic Affiliate— \$50,000 total costs

7/1/13 - 6/30/15

*Acculturation and its interaction with genetic obesity susceptibility among United States Hispanics*

To describe the relationship of acculturation and genetic variants on obesity among U.S. Hispanic adults, under the mentorship of Dr. Kari E. North.

**GRANT AWARDS FOR GRADUATE STUDENT MENTEES**

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**Predocutorial Fellowship Grant 24PRE1193934 – Student Trainee: Rao**

American Heart Association— \$65,388 total costs

1/1/24 – 12/31/25

*Acculturation and its interaction with genetic obesity susceptibility among United States Hispanics*

To support Hridya Rao, MS MA to describe the shared genetic architecture between polycystic ovarian syndrome and metabolic syndrome and conduct gene-environment interactions to better understand this relationship in US Hispanic/Latinas. To be conducted under my primary mentorship with Dr. Anne E. Justice at Geisinger as co-mentor.

**F99HG012711– Student: Margarita Hernandez**

NIH/NHGRI

8/8/22 – 8/7/24

*Noventa Millas: Migration history, genomic ancestry, and health disparities among Cuban immigrants and Cuban-Americans in the United States*

I am a member of Margarita's dissertation committee and submitted a letter of support in seeking this award. This relatively new F mechanism will support the end of her dissertation as well as have an opportunity to seek additional funds for K00 support of her postdoctoral research.

**Clinical and Translational Science Research Training Program – Student Trainee: Hridya Rao**

PSU/CTSI

8/1/21 - 7/31/22

*Polycystic Ovarian Syndrome and Metabolic Syndrome in United States Hispanic/Latinas*



I am her primary mentor as well as the CTS faculty member on her dual-degree BBH/CTS dissertation committee.

## **RESEARCH ASSISTANT/ASSOCIATE SUPPORT AT PREVIOUS INSTITUTION**

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### **T32HD007168 – PI: Entwisle**

NIH/NICHHD

7/1/79-4/30/19

*Eunice Kennedy Shriver National Institute of Child Health and Human Development Population Research Training Grant*

I was a Post-doctoral Scholar in the T32 program between 2016-2018, under the supervision of my co-mentors Dr. Allison Aiello and Penny Gordon Larsen. My mentored-research training focused on Social Epidemiology and Immigration health.

### **R01DK101855 – MPls: North, Haiman, Loos**

NIH/NIDDK

8/15/14-8/14/17

*Leveraging ancestral diversity to map adiposity loci in Hispanics*

To map the functional variants underlying anthropometric traits in Hispanic/Latinos. My roles were as a Research Assistant, 2014-2016 and a Research Associate, 2016.

### **T32HL007055 – PI: Rosamond**

NIH/NHLBI

7/1/75-5/31/22

*Interdisciplinary Cardiovascular Epidemiology Training Grant*

My role was as a Pre-doctoral Fellow, 2010-2012.

### **U01HG004803 – PI: North**

NIH/NHGRI

7/17/08-5/31/13

*Genetic Epidemiology of Casual Variants Across the Life Course*

To genotype well-replicated putative casual variants in well-characterized population-based studies. My role was as a Research Assistant, 2010-2013.

### **N01-HC-55018 – PI: Heiss**

NIH/NHLBI

9/01/85-1/31/12

*Atherosclerosis Risk in Communities (ARIC) Morbidity and Mortality Follow-up Field Center*

To examine the determinants and population-correlates of non-invasively ascertained atherosclerosis, its clinical manifestation, and the community burden of ischemic heart disease and heart failure. My role was as a Research Assistant, 2009-2011.

## **TEACHING & MENTORING EXPERIENCE**

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**Associate Professor of Biobehavioral Health** · University Park, PA

2024-pres.

*Biobehavioral Health Department Instructor of Record*

BBH 501- Biobehavioral Systems in Health and Development: Theory and Processes, 3 credits (planned FA24)

**Assistant Professor of Biobehavioral Health** · University Park, PA

2018-2024

*Biobehavioral Health Department Instructor of Record*

BBH 310- Research Strategies for Studying Biobehavioral Health, 3 credits (SP21-FA21)

BBH 440/HPA 440- Principles of Epidemiology, 3 credits (SP19-FA20; SP22)

BBH 501- Biobehavioral Systems in Health and Development: Theory and Processes, 3 credits (FA22, FA23, planned FA24)

BBH 590- Biobehavioral Health Colloquium, up to 3 credits (FA21-SP22, co-organized with Dr. Michael Russel)

**Research Supervisor** · University Park, PA  
*Biobehavioral Health Department*

2019-pres.

Independent Study in Biobehavioral Health (BBH 494):

Dienta Alias (Immunology and Infectious Disease, Global Health Minor, FA19-SP20),  
Hassan Bokhari (Immunology and Infectious Disease, SP21-SP22)

Individual Studies in Biobehavioral Health (BBH 596):

Hridya Rao, MA (BBH/CTS Dual Degree Graduate Student FA19-present; CTS TL1  
Trainee; FA19-present)  
Faizah Alshehri (BBH; FA23-present)

Postbaccalaureate Training:

Clinton Rodell (SP21; during MBA in Health Care Management, Innovation and  
Technology, Johns Hopkins Carey Business School)  
Emily Bromirski (SP24-present; while preparing for Genetic Counseling MS Programs)  
Everlyn Santana Aponte (SP24-present)

PhD Dissertation Full-Time (BBH 601):

Brooke Mattern (BBH; FA22-present)  
Hridya Rao (BBH/CTS Dual Degree; FA23-present)

Other Graduate Training:

Hridya Rao, MA and Externship with Geisinger Health (FA21-SP22,  
6 credits) under the supervision of Anne E. Justice, Center for Biomedical and  
Translational Informatics  
Christopher N. Navarrete (SU22; BBH Undergraduate Researcher, Improving Access  
through Research and Training Program R25 Trainee)  
Ola Olaleye (SU22; UTHealth Dallas, Improving Access through Research and  
Training Program R25 Trainee)  
Ellyzabeth Morales-Ledesma (SU24; St. Andrew's University and incoming BBH PhD  
student; Improving Access through Research and Training Program R25 Trainee)

Postdoctoral Training:

Cristin McArdle, PhD MPH (Postdoctoral Scholar in BBH, SP20-SP22; Current  
Epidemic Intelligence Service Officer at the Centers for Disease Control and  
Prevention, SU22-pres.)

**Graduate Committee Service** · University Park, PA  
*Pennsylvania State University Graduate School*

2019-pres.

Dissertation Committee Chair:

Hridya Rao (BBH, CTS Dual Degree; PhD anticipated May 2025)  
*Working Dissertation Title: The Metabolic Subtype of Polycystic Ovary  
Syndrome: Polygenic Risk Prediction and Gene by Environmental Interactions*

Brooke Mattern (BBH)  
*Dissertation Title: TBD*

Yao Tu (MCIBS)  
*Dissertation Title: TBD*

Dissertation Committee Member:

Marina Armendariz (BBH, PhD awarded Spring 2021)  
*Dissertation Title: A Biopsychosocial Examination of the Residential  
Environment as a Social Determinant of Cardiometabolic Risk: The Role of  
Race, Latino Ethnicity, and Neighborhood Characteristics*

Laura Etzel-House (BBH, PhD awarded Summer 2022)  
*Dissertation Title: Immunological Embedding of Early Life Adversity: Impacts on  
Biological Pathways of Cardiometabolic Disease Risk*

Juliana Levchenko (Sociology, outside member, PhD awarded Summer 2023)  
*Dissertation Title: Exploring the Social Determinants of Nursing Home  
Admission*

Carlyn Graham (Sociology, outside member; PhD awarded Summer 2023)  
Dissertation Title: *Swimming Upstream: Investigating the Health Penalties of Interpersonal Discrimination and Racism Among Adults in the United States*

Margarita Hernandez (Anthropology, outside member)

Working Dissertation Title: *Noventa Millas: Genomics, migration history, and health disparities within Cuban immigrants and Cuban-Americans in Miami, Florida*

Rae Anne Martinez (Epidemiology, outside member; PhD awarded Summer 2023)

Dissertation Title: *Exploring the Operationalization of Biological Age and Its Relationship to Childhood Adversity and Depression*

Lourdes Perez (Biobehavioral Health; PhD anticipated May 2025)

Working Dissertation Title: *Gendered Perspectives on Stress and Occupational Injuries among Migrant and Seasonal Farmworkers: A Bio-Cultural Investigation*

Comprehensive Committee Chair:

Hridya Rao (BBH, CTS Dual Degree)

Comprehensive Committee Member:

Brooke Mattern (BBH)

Laura Etzel-House (BBH)

Carlyn Graham (Sociology, outside member)

Juliana Levchenko (Sociology, outside member)

Keegan Anderson-Fears (Bioinformatics & Genomics Program)

Lourdes Perez (BBH)

Yao Tu (Molecular, Cellular and Integrative Biosciences Program, chair)

Qualifying Examination (Candidacy) Chair:

Hridya Rao (BBH)

Faizah Alshehri (BBH and minor in Bioethics, underway)

Qualifying Examination (Candidacy) Member:

Ana Victoria Leon Apodaca (Bioinformatics & Genomics Graduate Program)

Lourdes Perez (BBH)

Danny Wang (BBH)

Ad Hoc Committee Chair (First Year Review):

Hridya Rao, MA (BBH)

Faizah Alshehri (BBH; minor in Bioethics)

Ad Hoc Committee Member (First Year Review):

Lourdes Perez (BBH)

Danny Wang (BBH)

**Undergraduate Fieldwork Supervisor** · University Park, PA

2022-pres.

*Biobehavioral Health Department, Global Health Minor*

Global Health Field Experience (BBH 390B, 6 credits)- 8 students in Oaxaca, Mexico, SSI 2022

Foreign Studies on Dutch Criminal and Social Justice Systems (CRIM 499, 6 credits)- 28 students in Rotterdam and Amsterdam, Netherlands, SSII 2023

Global Health Field Experience (BBH 390B, 6 credits)- 13 students in Oaxaca, Mexico, SSI 2024

**Thesis Supervisor & Reader** · University Park, PA

2018-pres.

*Biobehavioral Health Department, Schreyer Honors College*

Masters Theses:

Hridya Rao (MS in BBH; FA21), Entitled “*The Association Between Polycystic Ovary Syndrome and Metabolic Syndrome in Hispanic/Latina women of the HCHS/SOL study*”

Lourdes Perez (MS in BBH; SU22), Entitled “*Gendered experiences of nervios among migrant*”

*and seasonal farmworkers: A Review of the Literature”*

Honors Theses:

Emily Knell (BS in BBH), Honors Thesis Supervisor, Biobehavioral Health (BBH 494H; SP19-SU19), Dr. Helen Kamens as Thesis Honors Advisor, Entitled *“The multi-level components of the Hispanic/Latina birth paradox: a scoping review”*

Alexia Snape (BS in Biology- Vertebrate Physiology, Women’s Studies and Bioethics and Medial Humanities Minors), Interdisciplinary Honors Thesis Supervisor, Biobehavioral Health (BBH 494H; FA19-SP20), Drs. Jonathan Marks and Jennifer Wagner-Lawlor- Thesis Honors Advisers, Also Supervised by Bioethics/Women’s Studies Faculty Members, Entitled *“Cesarean Delivery on Maternal Request Versus Vaginal Delivery an Ethical and Feminist Review on the Future of Childbirth”*

Naiha Ashraf (BBH), Honors Thesis Reader, Biobehavioral Health (SP21), Dr. Shedra (Amy) Snipes as Thesis Honors Supervisor and Dr. Helen Kamens as Thesis Honors Advisor, Entitled *“Cardiovascular Disease (CVD) Risk Factors among Hispanic/Latino Immigrant Farmworkers in the United States: A Scoping Review”*

**Undergraduate Teaching Supervisor** · University Park, PA

2019-2022

*Biobehavioral Health Department*

Undergraduate Teaching Assistants for BBH/HPA 440 (BBH 496):

Sarah Richard (BBH Major; SP19),

Clinton Rodell (General Sciences- Biological Sciences and Health Professions Major; FA19),

Camerin Gallagher (BBH Major; FA20),

Haley Rodrigue (BBH/HDFS Major; FA20),

Molly Camp (BBH; SP22),

Julia Neeser (BBH; SP22, not for credit)

Practicum in College Teaching Assistants for BBH/HPA 440 (BBH 602):

Hridya Rao, MA (BBH/CTS Graduate Student; FA19 for BBH/HPA 440; Recipient of the 2022 BBH Graduate Student Teaching Award),

Fernanda Lugo (BBH Graduate Student; FA20)

Undergraduate Teaching Assistants for BBH 310 (BBH 496):

Erin Weir (BBH Major; SP21),

Juliette Entenman (BBH/MPH Major; SP21, not for credit),

Julia Mewha (BBH; FA21),

Talor Bianchini (BBH; FA21, not for credit)

Practicum in College Teaching Assistants for BBH 310 (BBH 602):

Hridya Rao, MA (BBH/CTS Graduate Student; SP21; Recipient of the 2022 BBH Graduate Student Teaching Award),

Taylor Turrisi (BBH Graduate Student, FA21)

**Research Project Mentor** · Chapel Hill, NC

2017-2021

*University of North Carolina at Chapel Hill, Gillings School of Global Public Health*

Lead Mentor for Biostatistics Independent Study & Summer Undergraduate Research Fellowship

Emma G. Crenshaw, Supervised by Dr. Jane Monaco, Spring 2018-2021 (BIOS 540 during Spring 2018 for Advanced Undergraduate Students)

Co-Mentor for MD/PhD Summer Internship Project

Evans K. Lodge, Co-Mentored with Dr. Allison E. Aiello, Summer 2017-Spring 2021

Evolutionary Medicine Summer Institute, Clinical Brief Research Team, Summer 2018-2019  
Diego Salazar-Tortosa

**Epidemiology Tutor** · Chapel Hill, NC

2012-2014

University of North Carolina at Chapel Hill, Gillings School of Global Public Health Academic  
Enrichment Program

Individual and Group Epidemiologic Methods Tutoring

**Teaching Assistant in Masters of Science Training Cores** · Chapel Hill, NC 2011-2013

University of North Carolina at Chapel Hill, Gillings School of Global Public Health

Perspectives in Epidemiology and Public Health

Dr. Stephen Wing, Fall 2011 to Spring 2013 (EPID 690 for MSPH Students)

Design of Clinical Research

Dr. Laura Loehr, Spring 2013 (EPID 804 for MSCR Students)

**Teaching Assistant/Recitation Leader in Doctoral Methods Core** · Chapel Hill, NC 2011-2012

University of North Carolina at Chapel Hill, Gillings School of Global Public Health

Fundamentals of Epidemiology

Dr. Stephen Marshall, Fall 2011 (EPID 710)

Theory and Quantitative Methods in Epidemiology

Drs. Charles Poole and Christy Avery, Spring 2012 (EPID 715)

### INVITED LECTURES & SEMINARS

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31. SEMINAR: *Minding the Diversity Gap in Genome-Wide Association Studies (GWAS): Insights from Studying Cardiometabolic Disease in Hispanic/Latino Populations* (Harvard T.H. Chan School of Public Health, Program in Genetic Epidemiology and Statistical Genetics Seminar Series). May 9, 2024.
30. SEMINAR: *The Health of Mexican Immigrant Families: Do Climates of Immigrant Inclusivity Shape Childhood Cardiometabolic Health?* (Migration and Diversity Initiative of the Population Research Institute). March 11, 2024.
29. RESEARCH COLLOQUIUM: *Socioepigenomic Pathways to obesity in diverse populations* (PSU Center for Health Aging). February 24, 2023.
28. SEMINAR: *Biosocial Perspectives on Obesity Epidemiology—Bridging the Gap to Work Together for Hispanic Health* (UTHealth School of Public Health). June 30, 2022.
27. MENTORING ROUNDTABLES: *Developing your own center or lab around a research agenda* (Interdisciplinary Association for Population Health Science). Held Virtually on September 30, 2020 and September 30, 2021. Held in person on October 3, 2023.
26. SEMINAR: *Improvements in Discovery and Fine-Mapping of Obesity-Related Traits with Diverse Ancestral Samples* (PSU Center for Medical Genomics, Weekly Wednesday Wartik Genomics Lecture Series) on behalf of the HCHS/SOL Coauthors, Held Virtually October 14, 2020.
25. SEMINAR: *A Gene-Environment Study of the Unhealthy Assimilation Hypothesis of Obesity in US Hispanic/Latinos* (PSU Population Research Institute Brown Bag) on behalf of the HCHS/SOL Coauthors, January 28, 2020 in University Park, Pennsylvania.
24. SEMINAR: *The Added Value of Diversity and Inclusion in Genome-Wide Association Studies* (BBH Genetics Brown Bag Seminar Series), September 26, 2019
23. RESEARCH COLLOQUIUM: *Increasing Diversity and Inclusion in Genome-Wide Association Studies: Insights from the Hispanic/Latino Anthropometry (HisLA) Consortium* (PSU Department of Anthropology Colloquium), September 10 2019

22. COURSE LECTURES: Descriptive Epidemiology: Case Only to Case-Control Studies (BBH/HPA 440), October 28, 2019; November 1, 2019
21. COURSE LECTURES: *Applying for Jobs in Academia* (BBH 597), April 16, 2019, March 3, 2020; February 18, 2021, March 23, 2023
20. COURSE LECTURES: *Genetics of Understudied Populations* (BBH 410), March 25, 2019; March 29, 2021; March 23, 2022, March 22, 2023
19. SEMINAR: *The Effect of 287(g) Local Immigration Enforcement Programs on Preventable Pediatric Hospitalizations in North Carolina* (PRI Immigration and Immigrant Integration Working Group), January 18, 2019
18. SEMINAR: *The Biologic Consequences of Socioeconomic Adversity: Cardiometabolic Health of US Minorities* (A Quarter on the Border Colloquium Series at the University of Texas at El Paso, Joined by Dr. Christopher Engeland), Fall 2018
17. SEMINAR: *Putting Genes Into Context: Interdisciplinary Approaches to Cardiometabolic Health Research in Diverse Populations* (Invited to the Center for Precision Medicine at the Wake Forest School of Medicine), Summer 2018
16. COURSE LECTURE: *Gene by Environment and Gene by Gene Interactions* (EPID 743), April 3, 2018
15. ANNUAL COURSE LECTURES: *Introduction to Epigenetics: A Bridge Between Genetics and the Environment* (EPID 743), Spring 2017-2018
14. SEMINAR: *Putting Genes Into Context: Interdisciplinary Approaches to Obesity Research in Diverse Populations* (Invited to the Biobehavioral Health Department at Pennsylvania State University), Spring 2018
13. ANNUAL COURSE LECTURES: *Genetic and Epigenetic Biomarkers: Bridging Social and Biologic Processes* (EPID 826), Fall 2015-2017
12. WORKSHOPS: *Methods for Integrating Genetic and Epigenetic Data into Social Epidemiology* (Aiello Research Group Research Methods Training Series), Fall 2017-Spring 2018
11. SEMINAR: *A Genetic Risk Score for Increased Body Mass Index and Its Interaction with Acculturation to the United States among Hispanic/Latino Adults* (Carolina Population Center Interdisciplinary Seminar Series), November 16, 2017
10. LECTURES: *Family-Based Studies in Genetic Epidemiology: Transmission Disequilibrium Tests* (Lecture in EPID 743), Spring 2017
9. SEMINAR: *Intergenerational Perspectives on Sociocultural Factors and Obesity in United States Hispanic/Latinos* (Cardiovascular Disease Epidemiology Seminar Series), Spring 2017
8. LECTURE: *Acculturation and Diet in the United States: The Interaction with Genetic Susceptibility of Obesity in Hispanic/Latinos* (LTAM 390), Fall 2016 [In Spanish]
7. LECTURES: *Genetic and Epigenetic Biomarkers: Bridging Social and Biologic Processes* (SPHG 600, and Carolina Population Center Interdisciplinary Workshop), Fall 2016

6. ANNUAL COURSE LECTURES: Genome-Wide Association: Meta-Analysis (EPID 743), Spring 2014-2016
5. LECTURE SERIES: Methodological Fundamentals of Surveillance: Screening; Surveillance of Cardiovascular Diseases; Geographic and Temporal Trends in Diabetes and Obesity in the World; Genetic Epidemiology (Mexican National Institute of Public Health, Summer Course on Information Systems and Surveillance in Public Health) August 2012 [in Spanish]
4. LECTURE: Fundamentals of Meta-Analysis (EPID 710), Fall 2011
3. SEMINAR: Perceptions about Mammography as a Measure to Detect Breast Cancer in Adult Women, Ensenada, Baja California, México (The Independent University of Baja California Ensenada), August 2011 [in Spanish]
2. LECTURE: Health in the United States: the Health System, Reform, Access and Current Problems (Independent University of Baja California Ensenada), August 2011 [in Spanish]
1. SEMINAR: Obesity-Related Variants and Age at Menarche in the ReproGen Consortium (Cardiovascular Disease Epidemiology Seminar Series), Spring 2011

## RECENT PROFESSIONAL DEVELOPMENT ACTIVITIES

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### **Workshop: Causal inference and treatment effects using Stata**

*Population Association of American 2024 Annual Meeting (Held April 17, 2024)* 2024

### **Annual National Symposium on Family Issues – Immigration Policy and Immigrant Families**

*Pennsylvania State University (October 23-24, 2023)* 2023

### **Initiative for Faculty Success and Equity Workshop**

*Pennsylvania State University (August 17, 2023)* 2023

### **Workshop: An overview of Difference-in-Difference and Synthetic Control Methods: Classical and Novel Approaches**

*Society for Epidemiologic Research (Held virtually, July 7, 2023)* 2023

### **Introduction to R-Spatial Workshop**

*Society for Epidemiologic Research (June 13, 2023)* 2023

### **PRI Visiting Scholars Workshop**

*Population Research Institute, Penn State University (May 15-19, 2023)* 2023

### **Diversity, Equity, Inclusion, Belonging and postdoctoral mentoring**

*Office of the Vice President for Research, Penn State University (April 27, 2023)* 2023

### **Mexico – US experiences and needs in epidemiology**

*Society for Epidemiologic Research Mid-Year Meeting (March 14, 2023)* 2023

### **Transforming the Narrative on Latino Populations: When & How to Use Comparison Groups in Research**

*Child Trends (July 26, 2022)* 2022

### **Moving beyond BMI: Exploring the Heterogeneity of Obesity**

*NIH Obesity Research Task Force (ORTF) Seminar Series (May 5, 2022)* 2022

<b>Hispanic Research Virtual Mentoring Event</b>	
<i>Population Association of America &amp; National Research Center on Hispanic Children and Families Pre-Conference Event (April 27, 2021 &amp; April 8, 2022)</i>	2021-22
<b>Statistical Genetics Workshop: DNA methylation analysis using the Illumina MethylationEPIC arrays</b>	
<i>Integrating Genetics and the Social Sciences (October 29, 2021)</i>	2021
<b>Annual National Symposium on Family Issues – Environmental Impacts on Families: Change, Challenge, and Adaptation</b>	
<i>Pennsylvania State University (October 25, 2021)</i>	2021
<b>Mechanisms of infection and the impact of genetics</b>	
<i>COVID &amp; Genomics ONLINE Webinar (April 14, 2021)</i>	2021
<b>Translating Epidemiologic Research to Effective Action: Lessons Learned from the COVID-19 Pandemic</b>	2020
<i>Fall SERdigital webinar from the Society for Epidemiologic Research (November 11, 2020)</i>	
<b>Remote Biomarker Collection in the COVID-19 Era: Strategies for respondent self-collection</b>	
<i>National Institute on Aging Biomarker Network Webinar (October 27, 2020)</i>	2020
<b>Statistical Genetics Workshop: Disentangling genes and environment using genomic family data</b>	2020
<i>Integrating Genetics and the Social Sciences (September 24, 2020)</i>	
<b>The New Reality at the Mexico-U.S. Border</b>	2020
<i>15<sup>th</sup> Annual De Jong Lecture with Social Demography with Doug Massey, Pennsylvania State University (September 17, 2020)</i>	
<b>Teaching and Learning with Technology Summer Series</b>	2020
<i>Pennsylvania State University (7 sessions across June 24, 2020; July 8, 2020; July 15, 2020; July 22, 2020)</i>	
<b>SER in this moment: A community-wide conversation</b>	2020
<i>Society for Epidemiologic Research (June 15, 2020)</i>	
<b>Balancing health and economic considerations in COVID-19 responses: Dilemmas and opportunities for population health</b>	2020
<i>IAPHS Webinar (May 21, 2020)</i>	
<b>Supporting Yourself and Your Trainees During the Coronavirus Pandemic</b>	2020
<i>National Institutes of Health Office of Intramural Training and Education (April 14, 2020)</i>	
<b>Introduction to Galaxy Workshop: <i>Applied Workshop on Galaxy Workflow and Tools</i></b>	2020
<i>Pennsylvania State University (January 16, 2020)</i>	
<b>Annual National Symposium on Family Issues – Families and Food</b>	
<i>Pennsylvania State University (October 21, 2019)</i>	2021
<b>Statistical Genetics Pre-Conference Workshop</b>	2019
<i>Biobank Scale Analysis (October 10, 2019)</i>	



<b>Current Approaches and Applications in Investigating Gene/Environment Interactions</b> <i>SER-ASPO Webinar Collaboration (September 4, 2019)</i>	2019
<b>Epigenetics Boot Camp: Planning and Analyzing DNA Methylation Studies</b> <i>Columbia Mailman School of Public Health (June 10-11, 2019)</i>	2019
<b>It's About Time: Conference on the Study of Lives Through Time</b> <i>Center for Life Course &amp; Longitudinal Studies (May 28-30, 2019)</i>	2019
<b>21<sup>st</sup> Annual Population Research Institute Graduate Student Methodology Workshop: On Applied Demography</b> <i>Population Research Institute (May 14, 2019)</i>	2019
<b>Getting your first R01: Tips for submitting a successful grant</b> <i>SER-SPER Webinar Collaboration (May 8, 2019)</i>	2019
<b>Preparing the Next Generation of Population Health Researchers</b> <i>SER-IAPHS Webinar Collaboration (May 2, 2019)</i>	2019
<b>Country Conditions Experts Webinar</b> <i>Center for Gender and Refugee Studies (November 1, 2018)</i>	2018
<b>Statistical Genetics Pre-Conference Workshop</b> <i>Integrating Genetics and the Social Sciences Annual Meeting (October 11, 2018)</i>	2018
<b>The State of the Data on Hispanic Children and Families Webinar Attendee</b> <i>National Research Center on Hispanic Families &amp; Children (September 20, 2018)</i>	2018

## **PROFESSIONAL MEMBERSHIPS**

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### **Member or Affiliate**

<i>Penn State Cancer Institute, Penn State University</i>	2024- pres.
<i>Demography Program Faculty, Penn State University</i>	2023- pres.
<i>Molecular, Cellular, &amp; Integrative Biosciences Program Faculty, Penn State University</i>	2022-pres.
<i>Bioinformatics and Genomics Graduate Program Faculty, Penn State University</i>	2021-pres.
<i>Center for Translational Science, Penn State University</i>	2021-pres.
<i>Center for Medical Genomics, Penn State University</i>	2020-pres.
<i>Population Research Institute, Penn State University</i>	2019-pres.

### **Early Career Professional Member**

<i>Population Association of America</i>	2022-pres.
<i>American Society for Human Genetics</i>	2021-pres.
<i>Interdisciplinary Association for Population Health Science</i>	2018-pres.
<i>Society for Epidemiologic Research</i>	2016-pres.
<i>American Heart Association</i>	2012-pres.
<i>Society for Developmental Origins of Health and Disease</i>	2022
<i>Society for Pediatric and Perinatal Epidemiologic Research</i>	2022
<i>International Genetic Epidemiology Society</i>	2016-2019

## **PLANNED AND PAST PROFESSIONAL SERVICE**

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**Workshop Co-Chair & Panel Discussant** Planned for 2025  
*Pacific Symposium on Biocomputing on 'All Together Now: Data Work to Advance Privacy, Science, and Health in the Age of Synthetic Data'. To be co-chaired by myself and Jennifer K. Wager*

**P50 Advisory Board** 2024-pres.  
*Capstone Center for Multidisciplinary Research in Child Abuse and Neglect, Translational Center for Child Maltreatment Studies, Pennsylvania State University*

**Sponsoring Editor of Special Research Collection** 2024-pres.  
*Frontiers in Genetics, Applied Genetic Epidemiology Section, 'Exploring the Benefits of Greater Representation of Immigrant Communities in Genome-Wide Association Studies'*

**Demography Program Executive Committee** 2023-pres.  
*Pennsylvania State University, Representative of Biobehavioral Health Minor*

**Symposium Co-Chair & Panel Discussant** 2024  
*Society for Epidemiologic Research Symposium Webinar on 'Omics studies and insights into the complexity of interactions underpinning the epidemiologic triangle'. Co-chaired with Hridya Rao, BBH Graduate Student*

**Abstract Reviewer** 2023-2024  
*Society of Epidemiologic Research Diversity & Inclusion Committee Abstract Pre-Review Program, and Society of Epidemiologic Research 2024 Annual Meeting*

**Co-Hire Biobehavioral Health and Penn State Cancer Institute Assistant Professor Tenure-Track Position Search Committee** 2023-2024  
*Biobehavioral Health Department, Pennsylvania State University*

**Molecular, Cellular and Integrative Bioscience Qualifying Exam Committee Member** 2023-pres.  
*Huck Institutes of the Life Sciences, Pennsylvania State University*

**Population Health Working Group Organizer** 2023-pres.  
*Penn State Population Research Institute (Co-Organized with Dr. Danielle Rhubart in 2023-24)*

**Poster Judge**  
*Interdisciplinary Association for Population Health Science 2023 Annual Meeting* 2023  
*Population Association of America 2022 Annual Meeting* 2022

**Presidential Committee Member** 2023-2024  
*Workgroup on Growing Interdisciplinary Research Excellence, Pennsylvania State University*

**Special Emphasis Panel (R01, R21, P50 Mechanisms) and AdHoc Reviewer** 2023-pres.  
*Center for Scientific Review, National Institutes of Health*

**Ad Hoc Reviewer on TL1 Program Review Committee** 2023  
*Clinical and Translational Science Institute, Pennsylvania State University*

**Ad Hoc Technical Expert Reviewer** 2022  
*Strategic Science Fund, Health Canada*

**Symposium Panel Moderator** 2022  
*Society for Epidemiologic Research Symposium on 'The SER Diversity and Inclusion Survey'*

<b>Interdepartmental Graduate Student Grant Review Committee Faculty Member</b> <i>College of Health and Human Development, Pennsylvania State University</i>	2022
<b>Advisor to University Park's First Public Health Student Club</b> <i>Pennsylvania State University</i>	2022-pres.
<b>Biobehavioral Health Graduate Program Committee Member</b> <i>Biobehavioral Health Department, Pennsylvania State University</i>	2021-pres.
<b>Biobehavioral Health Colloquium and Founders Day Committee Co-Chair</b> <i>Biobehavioral Health Department, Pennsylvania State University (Co-Chair, Michael Russel)</i>	2021-2022
<b>Diversity and Inclusion Committee and Survey Subcommittee Member</b> <i>Society for Epidemiologic Research</i>	2021-pres.
<b>Discussant on Research Journeys in Academia</b> <i>Improving Access to Research and Training Program, Pennsylvania State University</i>	2021-2022
<b>Associate Editor in Applied Genetic Epidemiology</b> <i>Frontiers in Genetics (12 edited as of January 2024)</i>	2021-pres.
<b>Postdoctoral Scholar Search Committee Chair</b> <i>Biobehavioral Health Department, Pennsylvania State University</i>	2021
<b>COVID-19 Vaccination Clinic Volunteer</b> <i>Centre Volunteers in Medicine</i>	2021
<b>Population Precision Health Assistant Professor Tenure-Track Position Search Committee</b> <i>Biobehavioral Health Department, Pennsylvania State University</i>	2020-2021
<b>Undergraduate Exhibition, Virtual Research Symposium Poster Judge</b> <i>Pennsylvania State University (Held Virtually April 2020 and 2021)</i>	2020-2021
<b>Symposium Co-Chair &amp; Panel Discussant</b> <i>Society for Epidemiologic Research Annual Meeting Symposium on 'Polygenic risk scores: challenges and opportunities for population health equity' Co-chaired with Ann Von Holle, NIEHS Postdoctoral Fellow.</i>	2020
<b>Symposium Chair</b> <i>Interdisciplinary Association for Population Health Science on 'Interdisciplinary Perspectives for Studying Place Identity, and Maternal Health' Co-planned with Cristin McArdle, BBH Postdoctoral Scholar.</i>	2020
<b>Biobehavioral Health and Addiction Open-Rank Tenure-Track Position Search Committee</b> <i>Biobehavioral Health Department, Pennsylvania State University</i>	2019-2020
<b>Obesity Scientific Interest Group Chair</b> <i>Hispanic Community Health Study/Study of Latinos</i>	2019-pres.
<b>Fixed-Term Assistant Teaching Position Search Committee</b> <i>Biobehavioral Health Department, Pennsylvania State University</i>	2019

<b>Scientist Volunteer</b> <i>Skype A Scientist Organization</i>	2019-2020
<b>National Selection Committee Member</b> <i>TheDream.US Scholarship</i>	2019-2020
<b>Global Health Minor Committee Member</b> <i>Biobehavioral Health Department, Pennsylvania State University</i>	2019
<b>4<sup>th</sup> Annual Postdoctoral Research Exhibition Career Panel Member</b> <i>Pennsylvania State University (September 28, 2018)</i>	2018
<b>Biobehavioral Health Undergraduate Program Committee Member</b> <i>Biobehavioral Health Department, Pennsylvania State University</i>	2018-2021
<b>Abstract Reviewer</b> <i>Interdisciplinary Association for Population Health Science 2018-2021 Annual Meetings</i>	2018-2021
<b>Program Committee Member &amp; Session Organizer</b> <i>Biological Consequences of Social Stratification on Population Health, Interdisciplinary Association for Population Health Science 2018 Annual Meeting</i>	2018
<b>Invited Panelist</b> <i>National Youth Leadership Forum on Medicine</i>	2017
<b>Invited Journal Reviewer</b> <i>Science, Molecular Psychiatry, Epidemiology, IJO, AJPH, Pediatric Obesity, Obesity, PLoS One, BMC Global and Public Health, JAHA, Gene, J Epi Community Health, AJPH, Human Molecular Genetics, Child &amp; Youth Services</i>	2015-pres.
<b>Reproductive Traits Working Group Chair</b> <i>Genetic Analysis Center for the Hispanic Community Health Study/Study of Latinos</i>	2014-2015
<b>Consortium and Analyses Coordinator</b> <i>Hispanic/Latino Anthropometry Consortium</i>	2013-2021
<b>Latino Health Fair Volunteer Spanish Translator</b> <i>Catholic Community of St. Thomas More</i>	2013
<b>Student Representative</b> <i>Epidemiology Department Diversity and Inclusion Task Force</i>	2012-2014
<b>Spanish/English Support Group Facilitator</b> <i>Orange County Rape Crisis Center</i>	2011-2013
<b>Co-Organizer</b> <i>Alumni Dinner EPI/LIFESTYLE Scientific Sessions, Peer-Led Workshop Series, Cardiovascular Epidemiology Seminar Series (EPID 897)</i>	2010-2012
<b>Sexual Assault Outreach Spanish/English Volunteer</b> <i>Montgomery County Victims Assistant and Sexual Assault Program</i>	2008-2009
<b>Heart Health Symposium Volunteer</b>	2008

## RESEARCH & COMMUNICATION SKILLS

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### Computer Programming Languages & Applications

SAS, METAL, EasyQC, EasyStrata, Stata, SUGEN, PLINK, R, QUANTO, MMAP, ProbABEL, MetaSoft, SOLAR

### Recent Research Communication

BBC News (2/27/2023, David Cox)

*Lay Article: The search for the world's missing genomes*

Drug Target Review (5/5/2022, Ria Kakkad)

*Lay Article: Closing the diversity gap in genomics*

PSU News (4/11/2022; 2/10/2023)

*Lay Article: Greater diversity in genetic studies helps researchers uncover new insights*

*Lay Article: Studying the Genetics of Heart Attacks and Stroke in Hispanic Populations*

UNC News (4/13/2022; 2/10/2023)

*Lay Article: Greater diversity in genetic studies helps researchers uncover new insights*

*Lay Article: Studying the Genetics of Heart Attacks and Stroke in Hispanic Populations*

BioIT World (4/19/2022, Allison Proffitt)

*Lay Article: Genomic Consortium Diversifies Data, Explores Genomics of Body Measurements*

The Conversation (9/14/2021, Lindsay Fernandez-Rhodes)

*Research Brief: More education for Mexican Americans may mean less diabetes*

Interdisciplinary Association for Population Health Science Blog (2018 Annual Meeting)

*Conference Report: Biologic Consequences of Social Stratification*

### Languages

Professional Proficiency in Spanish

Coursework in Spanish for Research and Healthcare

2010

Working Proficiency in German

Certification from the Goethe Institute Certification in Business German

2006