

## **Symielle A. Gaston, Ph.D., M.P.H.**

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### **Education**

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2016	Ph.D.	Epidemiology (Minor: Biostatistics)	Louisiana State University Health Sciences Center
2012	M.P.H.	Epidemiology	Louisiana State University Health Sciences Center
2006	B.S.	Psychology	Xavier University of Louisiana

### **Professional Appointments**

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9/2022 to present	<b>Staff Scientist</b> Social and Environmental Determinants of Health Equity Group, Epidemiology Branch, National Institute of Environmental Health Sciences, National Institutes of Health, Department of Health and Human Services, Research Triangle Park, NC
10/2019 to 9/2022	<b>Research Fellow</b> Epidemiology Branch, National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health, Department of Health and Human Services, Research Triangle Park, NC Principal Investigator: Dr. Chandra L. Jackson, Ph.D., M.S., Earl Stadtman Investigator, NIEHS

### **Postdoctoral Training**

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8/2017 to 10/2019	<b>Intramural Research Training Award Fellow</b> Epidemiology Branch, National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health, Department of Health and Human Services, Research Triangle Park, NC Principal Investigator: Dr. Chandra L. Jackson, Ph.D., M.S., Earl Stadtman Investigator, NIEHS <ul style="list-style-type: none"><li>Investigated racial/ethnic, socioeconomic, and sex/gender disparities in the relationship between social as well as physical environmental exposures and cardiometabolic health throughout the life course</li></ul>
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6/2016-8/2017

**ORISE Postdoctoral Participant**

Systems Exposure Division, National Exposure Research Laboratory,  
Office of Research and Development, US Environmental Protection  
Agency (EPA), Research Triangle Park, NC

Mentor: Nicolle Tulve, Ph.D., Research Scientist, US EPA

- Investigated associations between endocrine disrupting chemicals, non-chemical stressors, and weight status/metabolic syndrome in childhood and adolescence

**Other Research Experience**

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1/2013-5/2016

**Graduate Research Assistant**

Women and their Children's Health Study, Epidemiology Department,  
Louisiana State University Health Sciences Center  
New Orleans, LA

- Conducted multilevel data analysis exploring associations between unique exposures related to the Deepwater Horizon Oil Spill and mental and physical health outcomes (i.e., depression, posttraumatic stress disorder, acute physical illness)
- Processed human plasma and serum specimens as well as extracted DNA from saliva in a laboratory

2/2011-8/2011

**Intern**

Louisiana Pregnancy Risk Assessment Monitoring (LaPRAMS), Maternal and Child Health Program, Louisiana Department of Health and Hospitals  
New Orleans, LA

- Conducted telephone interviews to collect data on maternal behaviors and experiences prior to, during, and post pregnancy

5/2005-12/2006

**Minority Access to Research Careers Research Scholar**

Psychology Department, Xavier University of Louisiana  
New Orleans, LA

- Conducted and presented independent research on verbal overshadowing and racial prejudice.

5/2005-8/2005

**Research Fellow**

Summer Undergraduate Research Experience, Psychology Department,  
Emory University  
Atlanta, GA

- Conducted and presented independent research on verbal overshadowing

## Merit-based Honors and Awards

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2024	<b>Professional Development Scholarship</b>	Skills for Health and Research Professionals (SHARP) Climate Change and Health Training, Columbia Mailman School of Public Health	This scholarship is awarded based on scientific merit, financial need, and potential impact of the applicant's attendance in increasing the diversity of training participation. The award covers 50% of the registration course fee.
2023	<b>2023 Nutrition Obesity Research Center at Harvard (NORCH) Scholar</b>	NORCH Diversity Scholars Program, Harvard University	This program seeks to foster a diverse network of researchers in the nutrition/obesity space and to connect them with resources and collaborations that enhance their work.
2022	<b>Fellows Award for Research Excellence (FARE) 2023 Competition Winner</b>	National Institutes of Health (NIH) Fellows Committee and the NIH Office of Intramural Training and Education	<p>Competitive award offering \$1,500 in travel funds to attend a scientific conference for an outstanding abstract based on scientific merit, originality, experimental design, and overall quality and presentation.</p> <p>Abstract Title: <i>Racial/ethnic differences in associations of traumatic childhood experiences with both metabolic syndrome prevalence and type 2 diabetes risk</i></p>

2019	<b>Fellows Award for Research Excellence (FARE) 2020 Competition Winner</b>	National Institutes of Health (NIH) Fellows Committee and the NIH Office of Intramural Training and Education	Competitive award offering \$1,500 in travel funds to attend a scientific conference for an outstanding abstract based on scientific merit, originality, experimental design, and overall quality and presentation.  Abstract Title: <i>Childhood Chemical Hair Product Usage and Early Menarche among African-American Women</i>
2018-2019	<b>2019 William G. Coleman Minority Health and Health Disparities Research Innovation Award</b>	National Institute of Minority Health and Health Disparities, NIH	Competitive award offering \$15,000 towards supplies and services for 1-year innovative research projects that have the potential for high impact in any area of minority health and health disparities research.
2018	<b>NIH Summer Research Mentor Award</b>	Office of Intramural Training and Education, NIH	Funding for a NIH summer student intern to whom awardee provides mentorship
2018	<b>Minority Travel Grant</b>	American Heart Association, Council on Epidemiology and Prevention	Award recognizing under-represented minority investigators and providing \$1,000 travel expenses for participation in the EPI/Lifestyle Scientific Sessions

2016	<b>Delta Omega Honors Society</b>	Louisiana State University Health Sciences Center	Recognition of the dedication of an individual to increasing the quality of the field of public health as well as the protection and advancement of the health of all people
2014	<b>Elizabeth Fontham Community Service Award</b>	Louisiana State University Health Sciences Center	Recognition of an individual committed to public health and community service
2003-2006	<b>Rousseve Academic Scholarship</b>	Xavier University of Louisiana	Financial award granted to 10 students with the highest GPA in each graduating class

### **Peer-reviewed Publications**

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Mentees/students are indicated with an underline.

### **Original Research**

1. Taylor, K.W., Co, C.A., **Gaston, S.A.**, Jackson, C.L., Harmon, Q., Baird, D.D. Frequency of personal care product use among reproductive-aged Black individuals and associations with socio-demographic characteristics. *Journal of Exposure Science and Environmental Epidemiology*. 2024 Jun;8(3):e311. DOI: 10.1097/EE9.0000000000000311. [PMID: 38799263]  
*Recognized as a 2024 NIEHS Intramural Paper of the Month.*
2. Schildroth, S., Geller, R.J., Wesselink, A.K., Lovett, S.M., Bethea, T.N., Claus Henn, B., Harmon, Q.E., Taylor, K.W., Calafat, A.M., Wegienka, G., **Gaston, S.A.**, Baird, D.D., Wise, L.A. Hair Product Use and Urinary Biomarker Concentrations of Non-Persistent Endocrine Disrupting Chemicals among Reproductive-aged Black Women. *Chemosphere*. 2024 Aug;361:142442. DOI: 10.1016/j.chemosphere.2024.142442. [PMID: 38810806]
3. Chang, C., O'Brien, K.M., Kresovich, J.K., Nwanaji-Enwerem, J.C., Xu, Z., **Gaston, S.A.**, Jackson C.L., Sandler, D.P., Taylor, J.A., White, A.J. Associations between Use of Chemical Hair Products and Epigenetic Age: Findings from the Sister Study. *Environmental Epidemiology*. 2024 Jun;8(3):e311. DOI: 10.1097/EE9.0000000000000311. [PMID: 38799263]

4. Murkey, J.A., **Gaston, S.A.**, Alhasan, D.M., Jackson II, W.B., Jackson, C.L. Industry of Employment and Occupational Class in relation to Cardiometabolic Health among Adults in the United States. BMC Public Health. 2024 May 3;24(1):1220. DOI: 10.1186/s12889-024-18655-y. [PMID: 38698385]
  
5. **Gaston, S.A.**, Alhasan, D.M., Johnson, D.A., Hale, L., Harmon, Q.E., Baird, D.D., Jackson, C.L. Perceived Childhood Neighborhood Safety and Sleep Health during Childhood and Adulthood among a Cohort of African American Women. Sleep Medicine. 2024 Mar 6;117:115-122. [Epub ahead of print] DOI: 10.1016/j.sleep.2024.03.004. [PMID: 38531166]
  
6. Schildroth, S., Bethea, T.N., Wesselink, A.K., Friedman, A., Fruh, V., Calafat, A.M., Wegienka, G., **Gaston, S.**, Baird, D.D., Wise, L.A., Claus Henn, B. Personal Care Products, Socioeconomic Status, and Endocrine Disrupting Chemical Mixtures in Black Women. Environmental Science & Technology. 024 Feb 27;58(8):3641-3653. DOI: 10.1021/acs.est.3c06440. [PMID: 38347750]
  
7. Murkey, J.A., **Gaston, S.A.**, Payne, C.W., Jackson II, W.B., Jackson, C.L. Food Security Status and Cardiometabolic Health among Pregnant Women in the United States. Frontiers in Global Women's Health. Frontiers in Global Women's Health. 2024 Feb 13;4:1286142. DOI: 10.3389/fgwh.2023.1286142. [PMID: 38415184]
  
8. **Gaston, S.A.**, Forde, A.T., Green, M., Sandler, D.P., Jackson, C.L. Racial and Ethnic Discrimination and Hypertension by Educational Attainment among a Cohort of US Women. JAMA Network Open. 2023; 6(11):e2344707. DOI: 10.1001/jamanetworkopen.2023.44707. [PMID: 37991758]  
*Recognized as a 2023 NIEHS Intramural Paper of the Month.*
  
9. Taylor, K., Howdeshell, K., Bommarito, P., Sibrizzi, C., Blain, R., Magnuson, K., Lemeris, C., Wren, T., Baird, D., Jackson, C., **Gaston, S.**, Rider, C., Walker, V., Rooney, A. Systematic Evidence Mapping to Inform a Class-based Approach to Assessing the Impact of Personal Care Products on Pubertal Timing. Environmental International. 2023 Nov 4;181:108307. DOI: 10.1016/j.envint.2023.108307. Epub 2023 Nov 4. [PMID: 37948866]
  
10. **Gaston, S.A.**, Alhasan, D.M., Jones, Jr., Rodney, Jackson II, W. Braxton, Kesner, A.J., Buxton, O.M., Jackson, C.L. Cannabis Use and Sleep Disturbances among White, Black, and Latino Adults in the United States. Sleep Health. 2023 Oct; 9(5):587-595. DOI: 10.1016/j.sleh.2023.06.003. [PMID: 37574376]
  
11. Alhasan, D., **Gaston, S.A.**, Gullet, L., Jackson II, W.B., Stanford, F.C., Jackson, C.L. Neighborhood Social Cohesion and Obesity in the United States. Endocrine and Metabolic Science. 2023 Jun 30;11:100129. DOI: 10.1016/j.endmts.2023.100129. [PMID: 37396161]

12. **Gaston, S.A.**, Strassle, P.D., Alhasan, D.M., Pérez-Stable, E.J., Nápoles, A.M., Jackson, C.L. Financial Hardship, Sleep Disturbances, and their Relationship among Men and Women in the United States during the COVID-19 Pandemic. *Sleep Health*. 2023 Jun 4:S2352-7218(23)00086-4. DOI: 10.1016/j.sleh.2023.04.007. [PMID: 37280141]  
*Recognized as a 2023 NIEHS Intramural Paper of the Month.*
  
13. Williams, P.C., Alhasan, D.M., **Gaston, S.A.**, Henderson, K.L., Jackson II, W.B., Jackson, C.L. Neighborhood Social Cohesion and Type 2 Diabetes Mellitus by Age, Gender, and Race/Ethnicity in the United States. *Preventive Medicine*. 2023 May;170:107477. DOI: 10.1016/j.ypmed.2023.107477. [PMID: 36918070]  
*Recognized as a 2023 NIEHS Intramural Paper of the Month.*
  
14. **Gaston, S.A.**, Riley, N.M., Parks, C.G., Woo, J., Sandler, D.P., Jackson, C.L. Racial-Ethnic Differences in Associations between Traumatic Childhood Experiences and Both Metabolic Syndrome Prevalence and Type 2 Diabetes Mellitus Risk among a Cohort of US Women. *Diabetes Care*. 2023 Feb 1;46(2):341-350. DOI: 10.2337/dc22-1486. [PMID: 36525647]  
*Recognized as a 2023 NIEHS Paper of the Year and as a 2023 NIEHS Intramural Paper of the Month.*
  
15. Chang, C., O'Brien, K.M., Keil, A.P., **Gaston, S.A.**, Jackson, C.L., Sandler, D.P., White, A.J. Use of Straighteners and Other Hair Products and the Risk of Uterine Cancer. *Journal of the National Cancer Institute*. 2022 Dec 8;114(12):1636-1645. DOI: 10.1093/jnci/djac165. [PMID: 36245087]  
*Recognized as a 2022 NIEHS Intramural Paper of the Year.*
  
16. Gullet, L., Alhasan, D.M., **Gaston, S.A.**, Jackson II, W.B., Kawachi, I., Jackson, C.L. Neighborhood Social Cohesion and Serious Psychological Distress among Asian, Black, Hispanic/Latinx, and White Men as well as Women in the United States: A Cross-sectional Study. *BMC Public Health*. 2022 Jun 15;22(1):1191. DOI: 10.1186/s12889-022-13572-4. [PMID: 35705933]
  
17. Woo, J.M., Simanek, A., O'Brien, K.M., Parks, C., **Gaston, S.A.**, Auer, P.L., Headley Konkell, R.H., Jackson, C.L., Meier, H.C.S., Sandler, D.P. Early Life Trauma and Incident Breast Cancer. *Epidemiology*. 2022 Sep 1;33(5):729-738. DOI: 10.1097/EDE.0000000000001507. Epub 2022 May 16. [PMID: 35580243]
  
18. **Gaston, S.A.**, Martinez-Miller, E.E., McGrath, J., Jackson II, W.B., Nápoles, A., Pérez-Stable, E.J., Jackson, C.L. Disparities in Multiple Sleep Characteristics among Non-Hispanic White and Hispanic/Latino Adults by Birthplace and Language Preference: Cross-sectional Results from the US National Health Interview Survey. *BMJ Open*. 2021 Sep 2;11(9):e047834. DOI: 10.1136/bmjopen-2020-047834. [PMID: 34475161]

19. Lunyera, J., Park, Y.M., Ward, J., **Gaston, S.A.**, Bhavsar, N., Muntner, P., Sandler, D.P., Jackson, C.L. A Prospective Study of Multiple Sleep Dimensions and Hypertension Risk among White, Black, and Hispanic/Latina Women: Findings from the Sister Study. *Journal of Hypertension*. 2021 Nov 1;39(11):2210-2219. DOI: 10.1097/HJH.0000000000002929. [PMID: 34620810]
  
20. White, A.J., Sandler, D.P., **Gaston, S.A.**, Jackson, C.L., O'Brien, K.M. Use of Hair Products in Relation to Ovarian Cancer Risk. *Carcinogenesis*. 2021 Oct 5;42(9):1189-1195. DOI: 10.1093/carcin/bgab056. [PMID: 34173819]
  
21. **Gaston, S.A.**, Atere-Roberts, J., Ward, J., Slopen, N.B., Forde, A.T., Sandler, D.P., Williams, D.R., Williams, C.L. Experiences with Everyday and Major Forms of Racial/Ethnic Discrimination and Type 2 Diabetes Risk among White, Black, and Hispanic/Latina Women: Findings from the Sister Study. *American Journal of Epidemiology*. 2021 Dec 1;190(12):2552-2562. DOI: 10.1093/aje/kwab189. [PMID: 34215871]
  
22. **Gaston, S.A.\***, McWhorter, K.L.\*, Parks, C.G., D'Aloisio, A.A., Rojo-Wissar, D.M., Sandler, D.P., Jackson, C.L. Racial/Ethnic Disparities in the Relationship between Traumatic Childhood Experiences and Suboptimal Sleep Dimensions among Adult Women: Findings from the Sister Study. *International Journal of Behavioral Medicine*. 2021 Feb;28(1):116-129. DOI: 10.1007/s12529-020-09905-5. [PMID: 32725587]  
 \*Drs. Gaston and McWhorter equally contributed to the manuscript and share first-authorship.
  
23. Alhasan, D.M., **Gaston, S.A.**, Jackson II, W.B., Williams, P.C., Kawachi, I., Jackson, C.L. Neighborhood Social Cohesion and Sleep Health by Age, Sex/Gender, and Race/Ethnicity in the United States. *International Journal of Environmental Research and Public Health*. 2020 Dec 17;17(24):9475. DOI: 10.3390/ijerph17249475. [PMID: 33348851]
  
24. White, A.J., Gregoire, A., Taylor, K.W., Eberle, C., **Gaston, S.**, O'Brien, K.M., Jackson, C.L., Sandler, D.P. Adolescent Use of Hair Dyes, Straighteners and Perms in Relation to Breast Cancer Risk. *International Journal of Cancer*. 2021 May 1;148(9):2255-2263. DOI: 10.1002/ijc.33413. Epub 2020 Dec 14. [PMID: 33252833]
  
25. **Gaston, S.A.**, James-Todd, T., Riley, N.M., Gladney, M.N., Harmon, Q.E., Baird, D.D., Jackson, C.L. Hair Maintenance and Chemical Hair Product Usage as Barriers to Physical Activity in Childhood and Adulthood among African American Women. *International Journal of Environmental Research and Public Health*. 2020 Dec 10;17(24):9254. DOI: 10.3390/ijerph17249254. [PMID: 33322020]



26. Jackson, C.L., Umesi, C., **Gaston, S.A.**, Azarbarzin, A., Lunyera, J., McGrath, J.A., Jackson II, W.B., Diamantidis, C.J., Boulware, E., Lutsey, P.L., Redline, S. Multiple Sleep Dimensions and Chronic Kidney Disease: Findings from the Multi-Ethnic Study of Atherosclerosis. *Thorax*. 2021 Jul;76(7):704-713. DOI: 10.1136/thoraxjnl-2020-214713. Epub 2020 Dec 4. [PMID: 33277428]  
*Recognized as a 2021 NIEHS Intramural Paper of the Year.*
27. Goldstein, S.J., **Gaston, S.A.**, McGrath, J., Jackson, C.L. Sleep and Serious Psychological Distress: A Nationally Representative Study of the United States among White, Black, and Hispanic/Latinx Adults. *Nature and Science of Sleep*. 2020 Dec 2;12:1091-1104. DOI: 10.2147/NSS.S268087. [PMID: 33299371]
28. Wang, V., Chu, M., Chie, L., **Gaston, S.A.**, Jackson, C.L., Newendorp, N., Uretsky, E., Dodson, R., Adamkiewicz, G., James-Todd, T. Acculturation and Endocrine-disrupting Chemical-associated Personal Care Product Use among US-based Foreign-born Chinese Women of Reproductive Age. *Journal of Exposure Science and Environmental Epidemiology*. 2021 Mar;31(2):224-232. DOI: 10.1038/s41370-020-00279-0. Epub 2020 Nov 24. [PMID: 33235331]
29. **Gaston, S.A.**, Nguyen-Rodriguez, S., Aiello, A., McGrath, J., Jackson II, W.B., Napoles, A., Perez-Stable, E., Jackson, C.L. Hispanic/Latino Heritage Group Disparities in Sleep and the Sleep-Cardiovascular Health Relationship by Housing Tenure Status in the United States. *Sleep Health*. 2020 Aug;6(4):451-462. DOI: 10.1016/j.sleh.2020.01.005. [Epub ahead of print] [PMID: 32622645]
30. **Gaston, S.A.**, Feinstein, L., Slopen, N., Sandler, D.P., Williams, D.R., Jackson, C.L. Everyday and major experiences of racial/ethnic discrimination and sleep health in a multiethnic population of U.S. women: Findings from the Sister Study. *Sleep Medicine*. 2020; 71:97-105. DOI: 10.1016/j.sleep.2020.03.010 [PMID: 32505024]
31. Feinstein, L., McWhorter, K.L., **Gaston, S.A.**, Troxel, W., Sharkey, K., Jackson, C.L. Racial/Ethnic Disparities in Sleep Duration and Sleep Disturbances among Pregnant and Non-Pregnant Women in the United States. *Journal of Sleep Research*. 2020 Oct;29(5):e13000. DOI: 10.1111/jsr.13000. [PMID: 32112620]
32. **Gaston, S.A.**, Birnbaum, L., Jackson, C.L. Synthetic Chemicals and Cardiometabolic Health Across the Life Course among Vulnerable Populations: A Review of the Literature from 2018 to 2019. *Current Environmental Health Reports*. 2020 Mar;7(1):30-47. DOI: 10.1007/s40572-020-00265-6. [PMID: 32037478]
33. Jackson, C.L., Powell-Wiley, T.M., **Gaston, S.A.**, Andrews, M.R., Tamura K., Ramos, A. Racial/Ethnic Disparities in Sleep Health and Potential Interventions among Women in the United States. *Journal of Women's Health*. 2020 Feb 25;29(3):435-442. DOI:10.1089/jwh.2020.8329. [PMID: 32096683]

34. **Gaston, S.A.**, James-Todd, T., Harmon, Q., Taylor, K., Baird, D., Jackson, C.L. Chemical/Straightening and Other Hair Product Usage during Childhood, Adolescence, and Adulthood among African-American Women: Potential Implications for Health. *Journal of Exposure Science and Environmental Epidemiology*. 2020; 30(1):86-96. DOI: 10.1038/s41370-019-0186-6. [PMID: 31641276]
35. McWhorter, K.L., Park, Y.M., **Gaston, S.A.**, Fang, K., Sandler, D.P., Jackson, C.L. Multiple Sleep Dimensions and Type 2 Diabetes Risk among Women in the Sister Study: Differences by Race/Ethnicity. *BMJ Open Diabetes Research & Care*. 2019;7(1):e000652. DOI: 10.1136/bmjdr-2019-000652. [PMID: 31641520]
36. Nugent, N.\*, **Gaston, S.\***, Perry, J., Rung, A.L., Trapido, E.J., Peters, E.S. PTSD Symptom Profiles among Louisiana Women Affected by the 2010 Deepwater Horizon Oil Spill: A Latent Profile Analysis. *Journal of Affective Disorders*. 2019 May 1; 250: 289-297. DOI: 10.1016/j.jad.2019.03.018. [PMID: 30875671]  
\*Drs. Nugent and Gaston equally contributed to the manuscript and share first-authorship.
37. **Gaston, S.A.**, Park, Y.M., McWhorter, K.L., Sandler, D.P., Jackson, C.L. Multiple Poor Sleep Characteristics and Metabolic Abnormalities Consistent with Metabolic Syndrome among White, Black, and Hispanic/Latina Women: Modification by Menopausal Status. *Diabetology and Metabolic Syndrome*. 2019 Feb 14; 11:17. DOI: 10.1186/s13098-019-0413-2. [PMID: 30815038]
38. **Gaston, S.**, Tulve, N. Associations between Urinary Phthalates and Metabolic Syndrome in Adolescents: NHANES 2003-2010. *International Journal of Hygiene and Environmental Health*. 2019 March. DOI: 10.1016/j.ijheh.2018.09.005. [PMID: 30297147]
39. **Gaston, S.**, Tulve, N., Ferguson, T. Abdominal Obesity, Metabolic Dysfunction, and Metabolic Syndrome in U.S. Adolescents: National Health and Nutrition Examination Survey 2011-2016. *Annals of Epidemiology*. 2018 Nov 23. pii: S1047-2797(18)30229-1. DOI: 10.1016/j.annepidem.2018.11.009. [PMID: 30545765]
40. **Gaston, S.A.**, Jackson II, W.B., Williams, D.R., Jackson, C.L. Sleep and Cardiometabolic Health by Government-Assisted Housing Status among Black and White Men and Women in the United States. *Sleep Health*. 2018 Oct; 4(5): 420-428. DOI: 10.1016/j.sleh.2018.07.010. [PMID: 30241656]
41. Jackson, C.L., **Gaston, S.A.**, Liu, R., Mukamal, K., Rimm, E.B. The Relationship between Alcohol Drinking Patterns and Sleep Duration among Black and White Men and Women in the United States. *International Journal of Environmental Research and Public Health*. 2018 March 20; 15(3). Pii:E557. DOI: 10.3390/ijerph15030557. [PMID: 29558409]

42. **Gaston, S.**, Volaufova, J., Peters, E.S., Ferguson, T., Nugent, N., Robinson, W.T., Trapido, E., Rung, A. Individual-level Exposure to Disaster, Neighborhood Environmental Characteristics, and their Independent and Combined Associations with Depressive Symptoms in Women. *Social Psychiatry and Psychiatric Epidemiology*. 2017 Sep; 52(9): 1183-1194. DOI: 10.1007/s00127-017-1412-y. [PMID: 28656451]
43. Peters, E., Rung, A., Bronson, M., Brashear, M., Peres, L., **Gaston, S.**, Sullivan, S., Peak, K., Abramson, D., Fontham, E., Harrington, D., Oral, E., Trapido, E. The Women and Their Children's (WaTCH) Study: Methods and Design of a Prospective Cohort Study in Louisiana to Examine the Health Effects of the BP Oil Spill. *BMJ Open*. 2017 Jul 10; 7(7):e014887. DOI: 10.1136/bmjopen-2016-014887. [PMID: 28698324]
44. Rung, A., **Gaston, S.**, Robinson, W.T., Trapido, E., Peters, E.S. Untangling the Disaster-Depression Knot: The Role of Social Ties After Deepwater Horizon. *Social Science & Medicine*. 2017 Mar; 177: 19-26. DOI: 10.1016/j.socscimed.2017.01.041. [PMID: 28152421]
45. **Gaston, S.**, Nugent, N., Peters, E.S., Ferguson, T., Robinson, W.T., Trapido, E., Rung, A. Exploring Heterogeneity and Correlates of Depressive Symptoms in the Women and Their Children's Health (WaTCH) Study. *Journal of Affective Disorders*. 2016 Nov 15; 205:190-199. DOI: 10.1016/j.jad.2016.03.067. [PMID: 27449551]
46. Rung, A.L., **Gaston, S.**, Oral, E., Robinson, R.T., Fontham, E., Harrington, D.J., Trapido, E., Peters, E.S. Depression, Mental Distress, and Domestic Conflict among Louisiana Women Exposed to the Deepwater Horizon Oil Spill in the WaTCH Study. *Environmental Health Perspectives*. 2016 Sep; 124(9): 1429-1435. DOI: 10.1289/EHP167. [PMID: 27164620]

### **Commentaries, Editorials, and Responses**

1. **Gaston, S.A.**, Singh, R., Jackson, C.L. The Need to Study the Role of Sleep in Climate Change Adaptation, Mitigation, and Resiliency Strategies across the Life Course. *SLEEP*. 2023 Mar 13;zsad070. DOI: 10.1093/sleep/zsad070. [PMID: 36913312]  
*Editor's Choice Manuscript*
2. Chang, C.J., O'Brien, K.M., Keil, A.P., **Gaston, S.A.**, Jackson, C.L., Sandler, D.P., White, A.J. Response to Etminan. *J Natl Cancer Inst*. 2022 Dec 19. DOI: 10.1093/jnci/djac236. [Epub ahead of print] [PMID: 36534905]
3. Alhasan, D.M., **Gaston, S.A.**, Jackson, C.L. Investigate the Complexities of Environmental Determinants of Sleep Health Disparities. *SLEEP*. 2022 Aug 11;45(8):zsac145. DOI: 10.1093/sleep/zsac145. [PMID: 35738867]
4. **Gaston, S.A.**, Jackson, C.L. Invited Commentary: The Need for Repeated Measures and Other Methodological Considerations when Investigating Discrimination as a Contributor to Health. *American Journal of Epidemiology*. 2022 Feb 19;191(3):379-383. DOI: 10.1093/aje/kwab223. [PMID: 34431505]

5. **Gaston, S.A.** Jackson, C.L. Strengthening the Case for Early-life Interventions to Address Racial/Ethnic Sleep Disparities Across the Life-Course Using an Exposome Approach. *Sleep*. 2021 Nov 12;44(11). doi: 10.1093/sleep/zsab182. [PMID: 34272566]
6. **Gaston, S.A.**, Galea, S., Cohen, G.H., Kwok, R.K., Rung, A.L., Peters, E.S., Jackson, C.L. Challenges Facing the 2020 U.S. Decennial Census Data Collection Could Threaten Mental Health in a Disaster Context.\* *American Journal of Public Health*. 2019 Aug;109(8):1079-1083. doi: 10.2105/AJPH.2019.305150. Epub 2019 Jun 20. [PMID: 31219714]  
\*Invited Commentary

### Manuscripts Under Review

1. Ogunsina, K., O'Brien, K.M., White, A.J., Chang, C., **Gaston, S.A.**, Jackson, C.L., Sandler, D.P. Hair Straightener Use in relation to Prevalent and Incident Fibroids in the Sister Study with a Focus on Black Women. *Under Review*.
2. James-Todd, T., Tomsho, K., **Gaston, S.A.**, Elliot, K., Jackson, C.L. Asking 'Why' is necessary: Critical Questions for Solution-Oriented Environmental Health Disparities Research. *Under Review*.
3. **Gaston, S.A.**, Payne, C., Alhasan, D.M., Singh, R., Murkey, J.A., Jackson II, W.B., Jackson, C.L. Neighborhood Social Cohesion and Sleep Health among Sexual Minoritized US Adults and Intersections with Sex/Gender, Race/Ethnicity, and Age. *Under Review*.
4. **Gaston, S.A.**, Kendrick, K.N., Ogbenna, B.T., Sandler, D.P., Stanford, F.C., Jackson, C.L. Agreement between self-reported and measured weight, height, and derived BMI by education across racial/ethnic groups of women. *Under Review*.
5. **Gaston, S.A.**, Wilkerson, J., MacNeill, N., Jackson II, W. Braxton, Dong, L., Jackson, C.L. Racial-ethnic residential segregation and sleep health among US adults: Associations by race and ethnicity, sex/gender, and neighborhood-level poverty. *Under Review*.

### Book Chapters

1. **Gaston, S.A.**, Singh, R., Jackson, C.L. Health Disparities in Sleep and Mental Health: Examining the Role of Sleep Disturbances in the Relationship between Climate Change-Related Traumatic Childhood Experiences and Mental Health as an Exemplar. In Jackson, M.L., Drummond, S.P.A. (Eds.), *Advances in the Psychobiology of Sleep and Circadian Rhythms* (pp. 175-194). Routledge, London. 18 December 2023. ISBN: 9781003296966.

2. Alhasan, D.M., **Gaston, S.A.**, Jackson, C.L. Structural Inequity and Racial/Ethnic Disparities in Sleep Health during the COVID-19 Pandemic. In BaHammam, A., Pandi-Perumal, S.R., Jahrami, H. (Eds.), COVID-19 AND Sleep: A Global Outlook (pp. 165-193). Progress in Sleep Research, Springer, Singapore. 20 April 2023. ISBN: 9789819902392.
3. Jackson, C.L. & **Gaston, S.A.** The Impact of Environmental Exposures on Sleep. In M. Grandner (Ed.), Sleep Health (pp. 85-103). Academic Press (Elsevier). 16 April 2019. ISBN: 9780128153734.

### **Invited Oral Presentations**

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*Invited Speaker.* Racial Residential Segregation and Outdoor Artificial Light at Night: Potential Contributors to Sleep Disparities. Sleep Research Society Club Hypnos Data Blitz. Houston, Texas, June 2, 2024.

*Invited Panel Speaker.* Session Title: The Impact of Climate Change on Sleep Disorders and Sleep Health Disparities. Sleep Research Society Trainee Symposia Series. Houston, Texas, June 2, 2024.

*Lecturer.* The Role of Sleep Health in Relation to CVD Risk Factors, Potential Causes, and Implications for Racial/Ethnic Disparities. Gerardo Heiss Cardiovascular Epidemiology Seminar [Virtual]. University of North Carolina Gillings School of Public Health, Chapel Hill, North Carolina, November 28, 2023.

*Speaker.* Hair Product Use among African American Women: Potential Implications for Cardiometabolic Health. HEEDS EDC- North Carolina Working Group Third Annual Scientific Meeting. North Carolina State University, Raleigh, North Carolina, September 30, 2022.

*Presenter.* Racial/Ethnic Differences in Associations between Traumatic Childhood Experiences and Type 2 Diabetes Mellitus Risk among a Cohort of US Women. NIH Deputy Director Site Visit. National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina, August 9, 2022.

*Speaker.* Descriptive Epidemiology. Department of Public Health Sciences, Xavier University of Louisiana, New Orleans, Louisiana. May 2, 2019.

*Lecturer.* A Socioecological Approach to Investigating the Influence of the Physical and Social Environments on Sleep and Cardiometabolic Health Disparities. School of Public Health, Louisiana State University Health Sciences Center, New Orleans, Louisiana. March 21, 2018.

*Lecturer.* A Socioecological Approach to Investigating the Influence of the Physical and Social Environments on Sleep and Cardiometabolic Health Disparities. School of Public Health, Dillard University, New Orleans, Louisiana. March 20, 2018.

*Lecturer.* A Socioecological Approach to Investigating the Influence of the Physical and Social Environments on Sleep and Cardiometabolic Health Disparities. Public Health Sciences Department, Xavier University of Louisiana, New Orleans, Louisiana. March 19, 2018.

*Speaker.* Women's Mental Health, Children's Behavior and Cardiometabolic Health: Associations with Non-chemical and Chemical Stressors. Epidemiology Branch, NIEHS, Research Triangle Park, North Carolina. May 24, 2017.

## **Oral Presentations**

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*Presenter.* Extreme Bedroom Temperatures in relation to Sleep Health among United States Women: Differences by Race/Ethnicity and Socioeconomic Status. World Sleep, Rio de Janeiro, Brazil. October 24, 2023.

*Presenter.* Neighborhood Social Cohesion and Sleep Health among Sexual Minoritized US Adults and Intersections with Sex/Gender, Race/Ethnicity, and Age. 2023 Interdisciplinary Association for Population Health Science Conference, Baltimore, Maryland. October 3, 2023.

*Presenter.* Multiple Sleep Measures and Cognition among US Women by Race/Ethnicity and Age. SLEEP 2023, Indianapolis, Indiana. June 7, 2023.

*Presenter.* Racial/Ethnic Segregation – a Component of Structural Racism – and Sleep Health by Neighborhood-level Poverty among US Adults. SLEEP 2023, Indianapolis, Indiana. June 4, 2023.

*Presenter.* Racial-Ethnic Discrimination and Hypertension Risk among a Diverse Cohort of US Women: Variation by Race-Ethnicity and Educational Attainment. 2022 Interdisciplinary Association for Population Health Science Conference, Minneapolis, Minnesota. September 21, 2022.

*Presenter.* Job Loss, Financial Hardship, and Sleep during the COVID-19 Pandemic: Differences by Sex/Gender and Race/Ethnicity. SLEEP 2022, Charlotte, North Carolina. June 7, 2022.

*Presenter.* Multiple Sleep Disturbances and Hypertension Risk Among White, Black, And Hispanic/Latina Women. SLEEP 2020 Virtual Meeting. August 30, 2020.

*Symposium Speaker.* Contributions of Physical and Social Environments to Racial/Ethnic Disparities in Sleep Health, Society for Behavioral Sleep Medicine 1<sup>st</sup> Annual Scientific Conference, Birmingham, Alabama, September 15, 2019.

*Presenter.* The Association between Birthweight and Obesity May Vary by Low Molecular Weight Phthalate Metabolite Concentrations among U.S. Adolescents. The United States Society for Developmental Origins of Health and Disease 3<sup>rd</sup> Annual Meeting, Chapel Hill, North Carolina. October 1, 2018.

*Presenter.* Phthalates and Metabolic Syndrome in U.S. Adolescents (NHANES 2003-2010). Children's Environmental Health Network Conference, Arlington, Virginia. April 7, 2017.

*Presenter.* PTSD in a Cohort of Women in Coastal Louisiana affected by the Deepwater Horizon Oil Spill. Epidemiology Congress of the Americas, Miami, Florida. June 23, 2016.

*Presenter.* An Examination of Risk Factors associated with Indicated and Spontaneous Preterm Birth in Louisiana Women. Louisiana State University Health Sciences Center, New Orleans, Louisiana. November 21, 2012.

## **Poster Presentations**

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### **National Meetings**

**Gaston S.A.**, Wilkerson, J., MacNell, M., Jackson II, W.B., Jackson C.L. (June 5, 2024). *Racial Residential Segregation and Outdoor Artificial Light at Night: Potential Contributors to Sleep Disparities*. Poster to be presented at SLEEP 2024, Houston, Texas.

**Gaston S.A.**, Wilkerson, J., MacNell, M., Jackson II, W.B., Jackson C.L. (March 20, 2024). *Both Racial and Ethnic Residential Segregation and Exposure to Outdoor Artificial Light at Night May Impact Cardiovascular Health but Perhaps Not Through Self-reported Sleep*. Moderated poster presented at the American Heart Association EPI|Lifestyle Scientific Sessions 2024, Chicago, Illinois.

**Gaston S.A.**, Sweeney, M., Martinez-Miller, E., Jones, R., James, P., Jackson II, W.B., Sandler, D.P., Jackson C.L. (June 6, 2023). *Greenspace in relation to Sleep Health among a Racially and Ethnically Diverse Cohort of US Women*. Poster presented at the SLEEP 2023 Meeting, Indianapolis, Indiana.

**Gaston S.A.**, Wilkerson, J., MacNell, M., Jackson II, W.B., Jackson C.L. (June 6, 2023). *Racial/Ethnic Segregation – a Component of Structural Racism – and Sleep Health by Neighborhood-level Poverty*. Poster presented at the SLEEP 2023 Meeting, Indianapolis, Indiana.

Jackson C.L., **Gaston S.A.**, Louis, J.M., Sandler, D.P. (June 6, 2023). *Does Sleep Health Modify the Relationship between Hypertensive Disorders of Pregnancy and Incident Cardiovascular Disease?* Poster presented at the SLEEP 2023 Meeting, Indianapolis, Indiana.

Alhasan D.M., **Gaston S.A.** (presenter), Whitehurst, L.N., Spira, A.P., Sandler, D.P., Jackson C.L. (June 6, 2023). *Multiple Sleep Measures and Cognition among US Women by Race/Ethnicity and Age*. Poster presented at the SLEEP 2023 Meeting, Indianapolis, Indiana.

**Gaston S.A.**, Martinez-Miller E., Sandler D.P., Jackson C.L. (June 15, 2022). *Sleep health: A Modifier of the Association between Racial/Ethnic Discrimination and Type 2 Diabetes Risk among Women*. Poster at the Society for Epidemiologic Research Annual Meeting, Charlotte, North Carolina.

**Gaston S.A.**, Riley N.M., Alhasan D.M., Harmon Q.E., Baird D.D., Jackson C.L. (June 7, 2022). *Perceived Childhood Neighborhood Safety and Sleep Health during Adulthood*. Poster presented at the SLEEP 2022 Meeting, Charlotte, North Carolina.

**Gaston S.A.**, Alhasan D.M., Strassle P.D., Stewart A.L., Perez-Stable E.J., Napoles A.M., Jackson C.L. (June 6, 2022). *Job Loss, Financial Hardship, and Sleep during the COVID-19 Pandemic: Differences by Sex/Gender and Race/Ethnicity*. Poster presented at the SLEEP 2022 Meeting, Charlotte, North Carolina.

**Gaston S.A.**, Jackson C.L. (June 22-25, 2021). *Sleep May Modify Associations between Poly- and Per-fluoroalkyl Substances and Blood pressure: A Nationally Representative Study of U.S. Adults*. Poster presented at the Virtual Society for Epidemiologic Research Annual Meeting.

**Gaston S.A.**, Riley N.M., Gullet L.R., Harmon Q.E., Baird D.D., Jackson C.L. (June 10-13, 2021). *Neighborhood Safety and Sleep during Childhood*. Poster presented at the SLEEP 2021 Virtual Meeting.

**Gaston S.A.**, Lawrence K.G., Sandler D.P., Jackson C.L. (June 10-13, 2021). *Neighborhood Deprivation and Sleep Health in a Racially/Ethnic Diverse Cohort of U.S. Women*. Poster presented at the SLEEP 2021 Virtual Meeting.

**Gaston, S.A.**, Parks, C.G., Sandler, D.P., Jackson, C.L. (December 15-18, 2020). *Traumatic Childhood Experiences are Associated with a Higher Prevalence of Multiple Metabolic Abnormalities in Adulthood among a Racially/Ethnically Diverse Cohort of US women*. Poster presented at the Virtual Society for Epidemiologic Research Annual Meeting.

**Gaston, S.A.**, Nguyen-Rodriguez, S., Aiello, A., McGrath, J., Jackson II, W.B., Napoles, A., Perez-Stable, E., Jackson, C.L. (August 28-30, 2020). *Birthplace Moderates Racial/Ethnic Disparities in Multiple Sleep Characteristics among Non-Hispanic Whites and Hispanic/Latino Heritage Groups in The United States*. Pre-recorded poster presented at the SLEEP 2020 Virtual Meeting.

Lunyera, J., Park, Y.M., Ward, J., **Gaston, S.A.** (presenter), Bhavsar, N., Muntner, P., Sandler, D.P., Jackson, C.L. (August 28-30, 2020). *Multiple Sleep Disturbances and Hypertension Risk Among White, Black, And Hispanic/Latina Women*. Pre-recorded poster presented at the SLEEP 2020 Virtual Meeting.



**Gaston, S.A.,** Harmon, Q.E., Baird, D. Jackson, C.L. (June 18, 2019). *Chemical Hair Product Usage and Early Menarche among African American Women*. Poster presented at the Society for Epidemiologic Research Annual Meeting, Minneapolis, Minnesota.

**Gaston, S.A.,** Jackson, C.L. (March 6, 2019). *Marijuana Use, Multiple Sleep Characteristics, and Hypertension among White, Black, and Hispanic Adults in the United States*. American Heart Association EPI/Lifestyle 2019 Scientific Session, Houston, Texas.

**Gaston, S.A.,** Gladney, M.N., Harmon, Q.E., James-Todd, T., Jackson, C.L. (October 2, 2018). *Chemical Hair Product Usage and Physical Activity in Childhood and Adulthood among African American Women*. Poster presented at the United States Society for Developmental Origins of Health and Disease, Chapel Hill, North Carolina.

**Gaston, S.A.,** Slopen, N., Feinstein, L., Sander, D., Williams, D.R., Jackson, C.L. (June 21, 2018). *Racial/Ethnic Discrimination and Sleep Duration/Difficulties among White, Black, and Hispanic/Latina Women: Findings from the Sister Study*. Poster presented at the Society for Epidemiologic Research Annual Meeting, Baltimore, Maryland.

**Gaston, S.A.,** McGrath, J.A., Jackson II, W.B., Jackson, C.L. (June 5, 2018). *Latino-White Disparities in Sleep Duration and Cardiometabolic Health by Government-Assisted/Unassisted Rental and Homeownership Status*. Poster presented at the SLEEP 2018 meeting, Baltimore, Maryland.

**Gaston, S.A.,** McWhorter, K.L., Park, Y.M., Sandler, D.P., Jackson, C.L. (April 12, 2018). *Poor Sleep and Metabolic Syndrome Risk among White, Black, and Hispanic/Latina Women in the United States*. Poster presented at the Network of Minority Research Investigators Annual Workshop, Bethesda, Maryland.

**Gaston, S.A.,** McWhorter, K.L., Park, Y.M., Sandler, D.P., Jackson, C.L. (March 22, 2018). *Suboptimal Sleep and Metabolic Syndrome Risk among White, Black, and Hispanic/Latina Women in the United States*. Poster presented at the American Heart Association EPI/Lifestyle 2018 Scientific Sessions, New Orleans, Louisiana.

**Gaston, S.A.,** Jackson, C.L. (September 25, 2017). *Birthweight may Moderate Associations between Mono-isobutyl Phthalate Concentrations and Overweight as well as Obesity in U.S. Adolescents*. Poster presented at the American College of Epidemiology Annual Meeting, 2017, New Orleans, Louisiana.

**Gaston, S.,** Tulve, N., Ferguson T. (March 2017). *Comparison of Standard Definitions and Sagittal Abdominal Diameter as a Measure for Excess Adiposity When Defining Metabolic Syndrome in Adolescents*. Poster presented at the American Heart Association EPI/Lifestyle 2017 Scientific Sessions, Portland, Oregon.

**Gaston, S.,** Harrington, D.J., Peters, E.S., Trapido, Rung, A. (February 2016). *Seafood Consumption in the Women and Their Children's Health (WaTCH) Study after the Deepwater Horizon Oil Spill (DHOS)*. Poster presented at Gulf of Mexico Oil Spill and Ecosystem Science Conference, Tampa, Florida.

**Gaston, S.**, Peters, E., Oral, E., Trapido, E., Rung, A. (February 2015). *Social Support and Race as Predictors of Psychological Distress among Women exposed to the Deepwater Horizon Oil Spill (DWOS) in the Women and their Children's Health Study (WaTCH): Is Mediation or Moderation Present?* Poster presented at Gulf of Mexico Oil Spill and Ecosystem Science Conference, Houston, Texas.

**Gaston, S.**, Peters E., Oral, E., Trapido, E., Rung, A. (June 2014). *Predictors of Response to In-home Biologic Specimen Collection in the Women and Their Children's Health Study (WaTCH)*. Poster presented at Society for Epidemiologic Research Annual Conference, Seattle, Washington.

### **Local Meetings**

**Gaston, S.A.**, McWhorter, K.L., Jackson, C.L. (February 23, 2018). *Mono-isobutyl Phthalate Concentrations May Moderate Associations between Birth Weight and Overweight as well as Obesity in U.S. Adolescents*. Poster presented at the Endocrine Disrupting Chemical Research in North Carolina Meeting, Research Triangle Park, North Carolina.

**Gaston, S.A.**, Jackson II, W.B., Jackson, C.L. (February 8, 2018). *Homeownership/Rental Housing Status, Sleep, and Cardiometabolic Health: Can Housing Environments Contribute to Differences in Epigenetic Profiles?* Poster presented at the North Carolina State 2018 Center for Human Health and the Environment Annual Symposium, Raleigh, North Carolina.

**Gaston, S.A.**, Williams, D.R., Jackson II, W.B., Adamkiewicz, G., Jackson, C.L. (November 2, 2017). *Black-White Disparities in Sleep Characteristics and Cardiometabolic Health Outcomes by Government-Subsidized Rental Housing Status in the United States*. Poster presented at the NIEHS Science Days, Research Triangle Park, North Carolina.

Jackson, C.L., **Gaston, S.A.** (presenting author), Buxton, O.M., Redline, S. (September 15, 2017). *Black-White Disparities in Short Sleep Duration across Work Environments in the United States: A Mixed Methods Approach*. Poster presented at the National Institute of Environmental Health Sciences Global Environmental Health Day, Research Triangle Park, North Carolina.

**Gaston, S.**, Tulve, N., Peters, E., Trapido, E., Rung, A. (December 2016). *Exposure to Disaster, Neighborhood Characteristics, and their Associations with Behavioral Difficulties in Children*. Poster presented at the National Institute of Environmental Health Sciences Environmental Health FEST, Durham, North Carolina.

**Gaston, S.**, Nugent, N., Peters, E., Ferguson, T., Trapido, E., Rung, A. (November 2015). *Exploring Heterogeneity and Correlates of Depressive Symptoms in the Women and Their Children's Health (WaTCH) Study*. Poster and 3MT presented at Louisiana State University Health Sciences Center Graduate Research Day, New Orleans, Louisiana.

**Gaston, S.**, Peters, E., Trapido, E., Bronson, M., Brashear, M., Rung, A. (November 2013). *An Examination of Social Support, Demographic Characteristics, and Alcohol and Tobacco use in Women who Experienced Disaster*. Poster presented at Louisiana State University Health Sciences Center Graduate Research Day, New Orleans, Louisiana.

## **Teaching Experience**

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| 4/23/2024      | <b>Guest Lecturer</b>  |
| 4/25/2024      | Course: Advanced Epidemiology Methods, Louisiana State University Health Sciences Center<br>Topic: Structural Equation Modeling  |
| 4/25/2023      | <b>Guest Lecturer</b>  |
| 4/27/2023      | Course: Advanced Epidemiology Methods, Louisiana State University Health Sciences Center<br>Topic: Structural Equation Modeling and MPlus  |
| 8/2014-12/2014 | <b>Teaching Assistant</b><br>Course: Epidemiologic Design and Analysis, Epidemiology Department Louisiana State University Health Sciences Center, New Orleans, LA <ul style="list-style-type: none"><li>• Assisted teaching of MPH epidemiology required course to eleven students<ul style="list-style-type: none"><li>○ Created and revised homework assignments</li><li>○ Lectured on homework topics</li><li>○ Evaluated homework assignments and final projects</li></ul></li></ul>            |
| 5/2014-7/2014  | <b>Teaching Assistant</b><br>Course: Principles of Epidemiology, Epidemiology Department Louisiana State University Health Sciences Center, New Orleans, LA <ul style="list-style-type: none"><li>• Assisted teaching of introductory course to five students<ul style="list-style-type: none"><li>○ Conducted workshops by facilitating discussion and reviewing homework</li><li>○ Created review lectures and study guides</li><li>○ Evaluated homework assignments and exams</li></ul></li></ul> |
| 8/2013-11/2013 | <b>Co-teacher (volunteer)</b><br>New Orleans Adolescent Reproductive Health Program, New Orleans, LA <ul style="list-style-type: none"><li>• Co-taught various reproductive health topics to adolescents with a nursing student</li></ul>  |

5/2013-7/2013

### **Teaching Assistant**

Course: Principles of Epidemiology, Epidemiology Department  
Louisiana State University Health Sciences Center, New Orleans, LA

- Assisted teaching of introductory course to twenty students
  - Created review lectures and study guides
  - Lectured on screening in public health practice
  - Evaluated homework assignments and exams

### **Mentorship Experience**

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5/2018-7/2018	Primary Mentor to NIH Summer Internship Program Graduate Student: Micaela Gladney, BA (Columbia University, New York, New York) Project: Hair product usage and physical activity among Black women
6/2018-8/2018	Primary Mentor to NIH Summer Opportunities to Advance Research Undergraduate Student: Marque Long (Morehouse College, Atlanta, Georgia) Project: Birthweight, phthalate exposure, and obesity among adolescents
9/2018-9/2019	Co-mentor to NIEHS Medical Student Research Fellow: Chizoba Umesi (Duke University School of Medicine, Durham, North Carolina) Project: Disparities in sleep health and chronic kidney disease
6/2019-4/2020	Co-mentor to NIEHS Scholars Connect Program Undergraduate Intern: Samuel Goldstein (University of North Carolina Chapel Hill, Chapel Hill, North Carolina) Project: Disparities in sleep and psychological distress
2/2020-2/2022	Co-mentor to NIH Post-baccalaureate Fellow: Nyree Riley (Epidemiology Branch, NIEHS, Research Triangle Park, North Carolina) Projects: Hair product usage and physical activity among Black women; Sleep phenotypes; Traumatic childhood experiences and type 2 diabetes
6/2022-8/2022	Primary Mentor to NIH Summer Internship Program Graduate Student: Michael Green, BA (Duke University, Durham, North Carolina) Project: Discrimination and hypertension risk by race/ethnicity and educational attainment
6/2024-7/2024	Primary Mentor to NIH Summer Internship Program Graduate Student: Alma Solis, MS (Duke University, Durham, North Carolina)) Project: Sleep Health among Farmers in North Carolina and Iowa

### **Other Academic Achievements, Honors, and Activities**

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*Session Co-Chair.* Session Title: Sleep Health and Social/Racial/Ethnic Disparities. World Sleep, Rio de Janeiro, Brazil. October 24, 2023.

*Media Coverage.* A Q&A With the NIEHS' Dr Symielle Gaston: Understanding Racial/Ethnic Variations in Sleep Health. American Journal of Managed Care. <https://www.ajmc.com/view/a-q->

[a-with-the-niehs-dr-symielle-gaston-understanding-racial-ethnic-variations-in-sleep-health](#). June 8, 2023.

*Media Coverage.* Growing Up in Unsafe Neighborhoods Tied to Poor Sleep in Adults. Medscape. <https://www.medscape.com/viewarticle/975669>. June 15, 2022.

*Media Coverage.* The Disturbing Truth About Hair Relaxers. The New York Times Magazine. [https://www.nytimes.com/2024/06/13/magazine/hair-relaxers-cancer-risk.html?unlocked\\_article\\_code=1.zU0.IDCn.XzoR5kKGGtpK&smid=url-share](https://www.nytimes.com/2024/06/13/magazine/hair-relaxers-cancer-risk.html?unlocked_article_code=1.zU0.IDCn.XzoR5kKGGtpK&smid=url-share). June 13, 2024.

## **Programming and Analytic Skills**

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- Statistical packages: R (intermediate); SAS (expert); Stata (intermediate)

## **Conference Trainings and Workshops**

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2020 Environmental Mixtures Workshop, August 10-11, 2020. Columbia University, Virtual.

The American Heart Association Ten Day Seminar on the Epidemiology and Prevention of Cardiovascular Disease and Stroke, July 22-August 3, 2018. Granlibakken Conference Center, Tahoe City, California.

Genomics for Social Scientists Workshop, June 18-22, 2018. University of Michigan, Ann Arbor, Michigan.

## **Professional and Committee Memberships**

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2017-2019	American College of Epidemiology Associates Member Committee  Policy Committee	Associate Member Member, Liaison to Policy Committee Member, Liaison to Associates Member Committee
2016-2019 2023-present	American Heart Association Interdisciplinary Association for Population Health Science	Member Member, Racial and Social Justice Committee
2016-2017	International Society of Exposure Science	Member
2012-2023	Society for Epidemiologic Research	Member
2023-present	Sleep Research Society	Member

## Professional Service

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### ***Ad-hoc Journal Reviewer***

2023	Addictive Behaviors Reports
2020-2023	American Journal of Epidemiology
2019-present	American Journal of Preventive Medicine
2020-2023	Annals of Epidemiology
2021-2023	Behavioral Medicine
2019-present	Behavioral Sleep Medicine
2021	Biology
2021	Biological Psychology
2022	Biomedical and Environmental Sciences
2024	BJPsych Open
2021	BMC Pregnancy and Childbirth
2019-2023	BMC Public Health
2020-2023	BMJ Open Diabetes Research & Care
2021	Children
2022	Clinical Epidemiology
2023	Environmental Pollution
2019-2023	Environmental Research
2022-2023	Health Equity
2023	Health Psychology
2020-2023	International Journal of Behavioral Medicine
2020	International Journal of Environmental Research & Public Health
2024	JAMA Network Open
2023	Journal of Adolescent Health
2024	Journal of Affective Disorders Reports
2021	Journal of Aging and Health
2020	Journal of Clinical Endocrinology & Metabolism
2021	Journal of Exposure Science & Environmental Epidemiology
2018	Journal of General Internal Medicine
2019	Nutrients
2021-2022	Nutrition, Metabolism, and Cardiovascular Disease
2021	PLOS One
2022	Preventive Medicine Reports
2017	Progress in Community Health Partnerships: Research, Education, and Action
2022	Science of the Total Environment
2019	Scientific Reports
2018-present	SLEEP
2017-present	Sleep Health
2023	Sleep Medicine
2020-present	Social Science and Medicine
2024	Social Science and Medicine Mental Health
2022	Social Science and Medicine Population Health
2023	Women's Health Reports

**Abstract Reviewer**

2023-2024	Interdisciplinary Association for Population Health Science Annual Meeting
2024	SLEEP 2024
2017-2022	Society for Epidemiologic Research Annual Meeting

**Service to NIEHS**

2019	22 <sup>nd</sup> Annual NIEHS Career Symposium Planning Committee
2020	Epidemiology Branch Annual Retreat Planning Committee
2020-2024	FARE Abstract Reviewer
2023	Epidemiology Branch Annual Retreat Organizer (Staff Scientists Meeting)
2023-present	Epidemiology Branch Fellows' Seminar Committee, Staff Scientist Liaison
2023	NIEHS Fellow of the Year Judge
2024	NIEHS Science Day Judge
2024	Epidemiology Branch Science Day Planning Committee, Chair