

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

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### **Research Interests**

- Investigate how differences in social and physical environmental exposures throughout the life course contribute to racial/ethnic and socioeconomic disparities in sleep and physical activity
- Determine whether behavioral and lifestyle factors (e.g., sleep) mediate relationships between environmental exposures and chronic diseases like hypertension, metabolic syndrome, and cardiovascular disease

### **Education**

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**

10/2019 to present	<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
	<ul style="list-style-type: none"><li>• Investigating social and physical environmental determinants of racial/ethnic and socioeconomic disparities in health behaviors and cardiometabolic health outcomes throughout the life course</li></ul>

### **Postdoctoral Training**

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
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Principal Investigator: Dr. Chandra L. Jackson, Ph.D., M.S.,  
Earl Stadtman Investigator, NIEHS

- 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

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**

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**

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.
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**

#### **Original Research**

1. 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*. *Accepted*.
2. **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*. *Accepted*.
3. 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*. *Accepted*.
4. 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*. *Accepted*.

5. 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*. *Accepted*.
6. 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*. *Accepted*.
7. **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*. 2020 Jul 28;. DOI: 10.1007/s12529-020-09905-5. [Epub ahead of print] [PMID: 32725587]  
\*Drs. McWhorter and Gaston equally contributed to the manuscript and share first-authorship.
8. **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]
9. **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]
10. 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]
11. **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]
12. 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]

13. **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]
14. 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]
15. 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.
16. **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]
17. **Gaston, S.**, Tolve, 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]
18. **Gaston, S.**, Tolve, 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]
19. **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.sleeh.2018.07.010. [PMID: 30241656]
20. 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]

21. **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]
22. 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]
23. 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]
24. **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]
25. 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

1. **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]

### Manuscripts Under Review

1. 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. *Under Review*.
2. **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. *Under Review*.

3. **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 US-born and Foreign-born Non-Hispanic Whites and Hispanic/Latino Heritage Groups in the United States: Modification by Birthplace and Language Preference. *Submitted*.

### **Book Chapters**

1. 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**

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

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.

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.

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.

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**

*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**

### **International Meetings**

Peters, E., Rung, A., **Gaston, S.**, Brashear, M., Nugent, N., Trapido, E. (November 2015). *Post-Traumatic Stress Disorder Among a Cohort of Women in Coastal Louisiana Affected by The Deepwater Horizon Oil Spill*. Poster presented at the International Society for Traumatic Stress Studies Annual Meeting, New Orleans, Louisiana.

### **National Meetings**

**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 28-20, 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.**, Bhavsar, N., Muntner, P., Sandler, D.P., Jackson, C.L. (August 28-20, 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.

McWhorter, K.L., Parks, C.L., **Gaston, S.A.**, D'Aloisio, A.A., Rojo-Wissar, D.M., Sandler, D.P., Jackson, C.L. (April 12, 2018). *Traumatic Childhood Experiences and Risk of Type 2 Diabetes Mellitus among White, Black, and Hispanic/Latina Women: The Sister Study*. 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.

Ray-Botello, A., **Gaston, S.**, Sullivan, S., Peters, E., Trapido, E., Rung, A. (November 2014). *Women's post-disaster mental health and protective factors- findings from the Women and Their Children's Health Study.* Poster presented at Local Schools of Public Health American Public Health Association Poster Session, New Orleans, Louisiana.

**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.

Rung, A., Oral, E., **Gaston, S.**, Nugent, N., Trapido, E., Peters, E. (June 2014). *Validating a shortened form of the CESD among women affected by the Deepwater Horizon Oil Spill (DWOS).* 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.

Bronson, M., Hudson Jr, M., **Gaston, S.**, Lee, J., Moore, M., Rivers, M., Peters, E. (October 2015) *LSUHSC Summer Research Program Midpoint Evaluation*. Poster presented at Louisiana State University Health Sciences Center Educational Scholarship 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**

8/2014-12/2014

#### **Teaching Assistant**

Course: Epidemiologic Design and Analysis, Epidemiology Department  
Louisiana State University Health Sciences Center, New Orleans, LA

- Assisted teaching of MPH epidemiology required course to eleven students
  - Created and revised homework assignments
  - Lectured on homework topics
  - Evaluated homework assignments and final projects

5/2014-7/2014

#### **Teaching Assistant**

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

- Assisted teaching of introductory course to five students
  - Conducted workshops by facilitating discussion and reviewing homework
  - Created review lectures and study guides
  - Evaluated homework assignments and exams

8/2013-11/2013

#### **Co-teacher (volunteer)**

New Orleans Adolescent Reproductive Health Program, New Orleans, LA

- Taught various reproductive health topics to teens alongside a nursing student

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**

5/2018-7/2018	Primary Mentor to NIH Summer Intern Program Graduate Student: Micaela Gladney, BA (Columbia University, New York, New York)
6/2018-8/2018	Primary Mentor to NIH Summer Opportunities to Advance Research Undergraduate Student: Marque Long (Morehouse College, Atlanta, Georgia)
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)
2/2020-present	Co-mentor to NIH Postbac: Nyree Riley (Epidemiology Branch, NIEHS, Research Triangle Park, North Carolina)

## **Programming and Analytic Skills**

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

## **Conference Trainings and Workshops**

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**

2017-2019	American College of Epidemiology Associates Member Committee	Associate Member Member, Liaison to Policy Committee
	Policy Committee	Member, Liaison to Associates Member Committee
2016-2019	American Heart Association	Member
2012-present	Society for Epidemiologic Research	Member
2016-2017	International Society of Exposure Science	Member

## **Professional Service**

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

2020	American Journal of Epidemiology
2019	American Journal of Preventive Medicine
2020	Annals of Epidemiology
2019-present	Behavioral Sleep Medicine
2017-2019	BMC Public Health
2020	BMJ Open Diabetes Research & Care
2019-present	Environmental Research
2020	International Journal of Behavioral Medicine
2020	International Journal of Environmental Research & Public Health
2017-2019	Journal of General Internal Medicine
2019	Nutrients
2017	Progress in Community Health Partnerships: Research, Education, and Action
2019	Scientific Reports
2018-present	SLEEP
2017-present	Sleep Health
2020	Social Science and Medicine

### ***Abstract Reviewer***

2017, 2018, 2019	Society for Epidemiologic Research Annual Meeting
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### ***Service to NIEHS***

2019	22 <sup>nd</sup> Annual NIEHS Career Symposium Planning Committee
2020	FARE Award Abstract Reviewer
2020	Epidemiology Branch Annual Retreat Planning Committee

## **Community Service**

April 7, 2018	Speaker & Volunteer	Delivered a community talk about sleep hygiene and assisted with participant recruitment for focus groups
	Women's Health Awareness Day Durham, NC	
1/2014-6/2014	Board Member	Served as a board member, organized, and coordinated volunteer efforts in a program that taught sexual education to at-risk public high school students
	New Orleans Adolescent Reproductive Health Project New Orleans, LA	
5/2011-5/2012	Albert Schweitzer Fellow	Developed and implemented a one-year health-related community service project focused on teaching elementary school-aged children about gardening and nutrition
	Albert Schweitzer Fellowship Program New Orleans, LA	