



College of Health Sciences

DEPARTMENT OF EPIDEMIOLOGY

Medina S. Jackson-Browne, PhD

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Academic Appointments

- July 2019- **Assistant Professor**, Epidemiology Program, College of Health Sciences, University of Delaware, Newark, DE
2016-2019 **Postdoctoral Research Associate**, Department of Epidemiology, Brown University School of Public Health, Providence, RI

Other Appointments

- 2019- **Resident Faculty**, Data Science Institute, University of Delaware, Newark, DE
2016 Epidemiology Postdoctoral Fellow, HBI Solutions, Inc., Palo Alto, CA

Education

- 2016 PhD, Environmental Health Sciences
Columbia University, New York, NY
2013 M.Phil., Environmental Health Sciences
Columbia University, New York, NY
2007 M.S., Biology
Georgia State University, Atlanta, GA
2000 B.S. Biology
Morris Brown College, Atlanta, GA

Honors and Awards

- 2021-2023 National Institute of Allergy and Infectious Diseases, NIH, Loan Repayment Program Renewal Award: Pediatric-Extramural: \$100,000
2020-2021 NIH Proposal Academy
2018-2020 National Institute of Environmental Health Sciences, NIH, Loan Repayment Program Award: Pediatric-Extramural: \$70,000
2010-2014 Allan Rosenfield Scholarship: \$25,000 per year
Mailman School of Public Health, Columbia University
2006-2008 AmeriCorps Education Award

Membership in Societies

- 2017- International Society for Environmental Epidemiology
2016-2019 Institute at Brown for the Environment & Society
2012- American Academy of Allergy, Asthma, and Immunology
2006-2010 AmeriCorps: New York City Teaching Fellows
New York City Department of Education, Brooklyn, NY

University Service

- 2021- Health Professions Evaluation Committee, University of Delaware
2019-2019 Diversity and Inclusion Planning Advisory Committee, Brown School of Public Health, Brown University
2017-2018 Brown University CEHT seminar series, Co-organize

Journal Activities

Ad Hoc Reviewer

1. Environment International
2. Environmental Research
3. International Journal of Hygiene and Environmental Health
4. Journal of Exposure Science and the Environment

Publications

1. Patti, M, Henderson, NB, Gajjar, P, Eliot, M, **Jackson-Browne, MS**, Braun, JM. Gestational Triclosan Exposure and Infant Birth Weight: A Systematic Review and Meta-analysis. Environment International. September 2021. *In Press*.
2. **Jackson-Browne MS**, Eliot M, Patti M, Spanier AJ, Braun JM. PFAS (per- and polyfluoroalkyl substances) and asthma in young children: NHANES 2013–2014. Int J Hyg Environ Health [Internet]. 2020;229:113565.
3. Ip BC, Li N, **Jackson-Browne M**, Eliot M, Xu Y, Chen A, Lanphear BP, Spanier AJ, Braun JM. Does fetal leptin and adiponectin influence children's lung function and risk of wheeze? J Dev Orig Health Dis. 2020 Oct 1-8. doi:10.1017/s2040174420000951. PMID: 33106208.
4. **Medina S. Jackson-Browne**, George D. Papandonatos, Aimin Chen, Antonia M. Calafat, Kimberly Yolton, Bruce P. Lanphear, Joseph M. Braun. Gestational and childhood urinary triclosan concentrations and academic achievement among 8-year-old children, NeuroToxicology, Volume 78, 2020, Pages 170-176
5. **Jackson-Browne, M.S.**, Henderson, N., Patti, M. et al. The Impact of Early-Life Exposure to Antimicrobials on Asthma and Eczema Risk in Children. Curr Envir Health Rpt **6**, 214–224 (2019). <https://doi.org/10.1007/s40572-019-00256-2>
6. **Jackson-Browne M.S.**, Papandonatos GD, Chen A, Yolton K, Lanphear BP, Braun JM. Early-life Triclosan Exposure and Parent-Reported Behavior Problems in 8-year-old Children. Environment International. Volume 128, 2019. Pages 446-456.
7. **Jackson-Browne, M.S.**, Papandonatos, G.D., Chen, A., Calafat, A.M., Yolton, K., Lanphear, B.P. and Braun, J.M. Identifying Vulnerable Periods of Neurotoxicity to Triclosan Exposure in Children. Environmental Health Perspectives, 2018 126(5), pp.057001-057001.
8. Braun, J.M., Chen, A., Hoofnagle, A., Papandonatos, G.D., **Jackson-Browne, M.S.**, Hauser, R., Romano, M.E., Karagas, M.R., Yolton, K., Zoeller, R.T. and Lanphear, B.P. Associations of early life urinary triclosan concentrations with maternal, neonatal, and child thyroid hormone levels. Hormones and Behavior. 2018 May;101:77-84.
9. Zheng, L., Wang, Y., Hao, S., Shin, A.Y., Jin, B., Ngo, A.D., **Jackson-Browne, M.S.**, Feller, D.J., Fu, T., Zhang, K. and Zhou, X. Web-based Real-Time Case Finding for the Population Health Management of Patients with Diabetes Mellitus: A Prospective Validation of the Natural Language Processing–Based Algorithm with Statewide Electronic Medical Records. JMIR medical informatics, 2016 4(4).

Oral Presentations (National/International Meetings)

1. **Jackson-Browne, M.S.**, Papandonatos, G.D., Chen, A., Calafat, A.M., Yolton, K., Lanphear, B.P. and Braun, J.M. Gestational and childhood urinary triclosan concentrations and academic achievement among 8-year-old children. International Society for Environmental Epidemiology 31st Annual Meeting. August 2019.
2. **Jackson-Browne, M.S.**, Papandonatos, G.D., Chen, A., Calafat, A.M., Yolton, K., Lanphear, B.P. and Braun, J.M. Identifying Vulnerable Periods of Neurotoxicity to Triclosan Exposure in Children. International Society for Environmental Epidemiology 29th Annual Meeting. September 2017.
3. **Jackson-Browne, M.S.**, Acosta, L., Rundle, A., Yan, B., Sheehan, D., Matte, T., Perzanowski, M.S., Chilrud, S., Prediction of Indoor PM_{2.5} and Black Carbon Concentrations from Neighborhood Modeled Measurements in New York City. 14th Annual Meeting of Environmental Health Scholars, American Pediatric Association, Washington, D.C. January 2017.
4. **Jackson-Browne, M.S.**, Olmedo, O., Divijan, A., Goldstein, I.F., Acosta, L., Rundle, A.G., Mellins, R.B., Quinn, J.W., Perera, F.P., Miller, R.L. and Jacobson, J.S., Among Middle-income Children in NYC, Neighborhood Reports of Mouse Sightings were Associated with Sensitization to Mouse. American Academy of Allergy, Asthma, and Immunology. October 2012.

Poster Presentations (National/International Meetings)

1. **Jackson-Browne M.S.**, Eliot, M, Spanier, M, Papandonatos, G, Chen, A, Calafat, A, Yolton, K, Lanphear, B, Braun, J. Prenatal and Early Childhood Triclosan Exposure and Allergic Outcomes in a Prospective Pregnancy and Birth Cohort. International Society for Environmental Epidemiology 32nd Annual Meeting. August 2020.
2. **Jackson-Browne M.S.**, Eliot, M, Spanier, M, Papandonatos, G, Chen, A, Calafat, A, Yolton, K, Lanphear, B, Braun, J. Prenatal and Early Childhood Triclosan Exposure and Allergic Outcomes in a Prospective Pregnancy and Birth Cohort. American Academy of Allergy, Asthma, and Immunology. March 2020.
3. **Jackson-Browne M.S.**, Eliot, M, Patti, M, Spanier, AJ, Braun, JM. Cross-sectional associations between per- and polyfluoroalkyl substances and asthma in children. International Society for Environmental Epidemiology 31st Annual Meeting. August 2019.
4. **Jackson-Browne M.S.**, Papandonatos GD, Calafat, Antonia, Chen A, Yolton K, Lanphear BP, Braun JM. Associations of gestational and childhood urinary triclosan concentrations with academic achievement among 8-year-old children. Brown School of Public Health Annual Public Health Research Day. March 2019.
5. **Jackson-Browne M.S.**, Papandonatos GD, Chen A, Yolton K, Lanphear BP, Braun JM. Early-life Triclosan Exposure and Parent-Reported Behavior Problems in 8-year-old Children. International Society of Environmental Chemistry and International Society for Environmental Epidemiology Joint Annual Meeting. August 2018.
6. **Jackson-Browne M.S.**, Papandonatos GD, Chen A, Yolton K, Lanphear BP, Braun JM. Early-life Triclosan Exposure and Parent-Reported Behavior Problems in 8-year-old Children. Institute at Brown for the Environment & Society: Water's Edge Poster Competition (*WINNER*). April 2018.
7. **Jackson-Browne, M.S.**, Papandonatos, G.D., Chen, A., Calafat, A.M., Yolton, K., Lanphear, B.P. and Braun, J.M. Identifying Vulnerable Periods of Neurotoxicity to Triclosan Exposure in Children. Institute at Brown for the Environment & Society: Water's Edge Poster Competition. April 2017.

Previous Grant Support

1. NIH/NIAID (U01AI126614-05S1): Research Supplement to Promote Diversity in Health-Related Research, Total Costs: \$157,500
Title: "Antimicrobial Compound Exposures and Allergic Sensitization among High-Risk Children."
Role: Co-I, 08/14/2020-06/31/2021
2. F32 ES029812-01A1, "The Impact of Gestational and Postnatal Triclosan Exposure on Eczema, Wheeze, and Asthma Risk in Children." **Role: PI**, 05/01/19-06/30/19.
3. R01 ES024381-04, Braun, Joseph (PI), Endocrine Disrupting Chemicals, Thyroid Hormones, and Child Neurobehavior. **Role: Postdoctoral Research Associate**, 12/01/16-04/30/19.
4. T32 ES007322-12, Guilarte, T.R. (PI), Interdisciplinary Training in Environmental Health, Columbia University, **Role: Pre-doctoral fellow**, 09/01/13-06/30/16.
5. R25 GM062454-09, Abraido-Lanza, A.F. (PI), Initiative to Maximize Student Diversity, Columbia University, **Role: Pre-doctoral fellow**, 09/01/10-08/31/12.

University Teaching

2020-	Assistant Professor	Environmental Epidemiology College of Health Sciences, University of Delaware
2017-	Lecturer	Introduction to Statistical Programming in R Pre-College Program, Brown University
2013	Teaching Fellow	Allergy, Allergic Diseases and the Environment Mailman School of Public Health, Columbia University
2014	Teaching Fellow	Risk Assessment and Toxicology Mailman School of Public Health, Columbia University
2012-2013	Teaching Assistant	Environmental Chemistry School of Public Affairs, Columbia University
2012-2013	Teaching Assistant	Risk Assessment and Toxicology School of Public Affairs, Columbia University

Guest Lectures

2019 "Impostor Syndrome", Impostor Syndrome Workshop
City University of New York Graduate Center
Minorities and Philosophy (MAP) Doctoral students

Other Teaching Roles

2009-2010 New York City Department of Education, High School Teacher (with Tenure)
Courses: Biology and Chemistry
"47" The American Sign Language School, New York, NY
Grades 9-11

2007-2009 New York City Department of Education, High School Teacher
Courses: Biology, Chemistry, and Earth Science
Young Adult Borough Centers (non-traditional evening HS), Bronx, NY
Grades 11-12 (ages 17-21)

2006-2009 New York City Department of Education, High School Teacher
Courses: Biology, Chemistry, and Environmental Science
John F. Kennedy High School, Bronx, NY
Grades 9-12

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