

Medina S. Jackson-Browne, PhD

Curriculum Vitae

Personal Information

University of Delaware, College of Health Sciences, 100 Discovery Blvd, 7th Floor, Newark, DE 19713

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E-mail: mjbrowne@udel.edu

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

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

2018-2020 National Institute of Environmental Health Sciences, NIH, Loan Repayment Program Grant: Pediatric-Extramural

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

2019-2019 Diversity and Inclusion Planning Advisory Committee, Brown School of Public Health, Brown University

2017-2018 Brown University CEHT seminar series, Co-organizer

Journal Activities

Ad Hoc Reviewer

1. Environment International
2. Environmental Research
3. International Journal of Hygiene and Environmental Health

Publications

1. **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 [cited 2020 Jun 5];229:113565. Available from: <https://www.sciencedirect.com/science/article/pii/S1438463920305113?dgcid=author>
2. **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
3. **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>
4. **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.
5. **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.
6. 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.
7. 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).

Publications In Preparation

1. **Jackson-Browne M.S**, Eliot, M., Spanier, A.J., Papandonatos, G.D., Chen, A., Calafat, A. M., Yolton, K., Lanphear, B. P., Braun, J. M. Prenatal and Early Childhood Triclosan Exposure and Allergic Outcomes in a Prospective Pregnancy and Birth Cohort.
2. **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.
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.

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, 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.
2. **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.
3. **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.
4. **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.
5. **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.

Current Grant Support

1. NIH Research Supplements to Promote Diversity in Health-Related Research, "Antimicrobial Compound Exposures and Allergic Sensitization among High Risk Children." Budget: \$463,702. *Submitted December 2019, NOA pending.*

Previous Grant Support

1. 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.

2. R01 ES024381-04, Braun, Joseph (PI), Endocrine Disrupting Chemicals, Thyroid Hormones, and Child Neurobehavior. **Role: Postdoctoral Research Associate**, 12/01/16-04/30/19.
3. T32 ES007322-12, Guilarte, T.R. (PI), Interdisciplinary Training in Environmental Health, Columbia University, **Role: Pre-doctoral fellow**, 09/01/13-06/30/16.
4. 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 Graduate students
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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