

**Amy Elizabeth Kalkbrenner**  
**Curriculum Vitae**

**Current Contact Information**

Position: Track Lead and Associate Professor (*with tenure*)  
Environmental Health Sciences  
Joseph J. Zilber School of Public Health  
University of Wisconsin-Milwaukee

Mailing: PO Box 413, Milwaukee, WI 53201-0413

Faculty Page <https://uwm.edu/publichealth/directory/kalkbrenner-amy/>

Lab (Research) <http://people.uwm.edu/kalkbrennerlabs/>

NCBI bibliography <http://www.ncbi.nlm.nih.gov/sites/myncbi/1rAZIBHjD6I5i/bibliography/40385876/public/?sort=date&direction=ascending>

Publons <https://publons.com/researcher/1275633/amy-kalkbrenner/>

Google Scholar <https://scholar.google.com/citations?user=EPQ7Y8AAAAAJ&hl=en>

m. 919-618-0794

e. [kalkbren@uwm.edu](mailto:kalkbren@uwm.edu), [amy@ursid.com](mailto:amy@ursid.com)

**Professional Experience**

- 2011- Associate Professor (Assistant Professor 2011-2017, Associate Professor 2017 - ), Joseph J. Zilber School of Public Health, University of Wisconsin-Milwaukee, WI
- 2013- Adjunct Associate Professor (L/I) in Department of Population Health Sciences, School of Medicine and Public Health, University of Wisconsin-Madison, WI
- 2009-11 Postdoctoral Research Fellow, Mentor Julie Daniels, Epidemiology, University of North Carolina, Chapel Hill, NC
- 2005-9 Research Assistant for Julie Daniels, Neurodevelopmental Epidemiology, University of North Carolina, Chapel Hill, NC
- 2000-3 Project Director for Bruce Lanphear, Pediatric Environmental Health, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
- 1998-9 Research Associate for Tracy Lieu, Pediatric Health Services Research, Kaiser Permanente Division of Research, Oakland, CA
- 1997-8 Graduate Student Researcher for Barbara Abrams, Nutritional Epidemiology, University of California, Berkeley, CA
- 1992-5 Laboratory Technician for Thomas Kaufman, Homeobox Genetics, Indiana University, Bloomington, IN

1990-3 Undergraduate Research Assistant for Dale Sengelaub, Developmental Neuroscience, Indiana University, Bloomington, IN

## Education

2009 PhD (Epidemiology) University of North Carolina at Chapel Hill

1998 MPH (Epidemiology/Biostatistics & Public Health Nutrition) University of California, Berkeley

1993 BA (Biology & Psychology, Honors Degree) Indiana University, Bloomington

## Publications

### Peer-Reviewed Journal Articles, Under Review

2023. Jenson T, Bakulski KM, Wesp L, Dookeran K, Driscoll I, **Kalkbrenner AE**. Racialized experience, biomarkers of lead exposure, and later-life cognition: a mediation analysis. Submitted to American Journal of Epidemiology Apr 2023.

2023. **Kalkbrenner AE**, Zheng C, Yu J, Jenson TE, Kuhlwein T, Ladd-Acosta C, Grove J, Schendel H. Method to Test Etiologic Heterogeneity Among Non-Competing Diagnoses: Application to Discriminating the Impact of Perinatal Exposures on Autism and Attention Deficit Hyperactivity Disorder. Submitted to American Journal of Epidemiology Apr 2023.

### Peer-Reviewed Journal Articles, Accepted/In Press

### Peer-Reviewed Journal Articles, Published

2023. Florez-Garcia V, Guevara-Romero E, Hawkins M, Bautista L, Jenson T, Yu J, **Kalkbrenner AE**. Cadmium Exposure and Risk of Breast Cancer: A Meta-analysis. Environmental Research Volume 219, 15 February 2023, 115109  
<https://www.sciencedirect.com/science/article/pii/S0013935122024367?via%3Dihub>

2022. Bitan M, Steinberg DM, Wilson SR, **Kalkbrenner AE**, Lanphear B, Hovell MF, Gamliel VM, Rosen LJ. Association between objective measures and parentally-reported measures of child tobacco smoke exposure: a secondary data analysis of four trials. Accepted to Tobacco Induced Diseases May 2022. TID-00819-2022-02

2022. Fever S, Kahl J. **Kalkbrenner A**, Cerón Bretón R, Cerón Bretón J. A New Combined Air Quality and Heat Index in Relation to Mortality in Monterrey, Mexico. International Journal of Environmental Research and Public Health. March 2022. <https://www.mdpi.com/1660-4601/19/6/3299/pdf>

2021. Schendel D, Laursen TM, Albiñana C, Vilhjalmsson B, Ladd-Acosta C, Fallin MD, Benke K, Lee B, Grove J, **Kalkbrenner A**, Ejlskov L, Hougaard D, Bybjerg-Grauholm J, Bækvad-Hansen M, Børglum AD, Werge T, Nordentoft M, Mortensen PB, Agerbo E. Evaluating the interrelations between the autism polygenic score and psychiatric family history in risk for autism. Autism

Research 19 October 2021.

[https://onlinelibrary.wiley.com/doi/abs/10.1002/aur.2629?\\_cf\\_chl\\_jschl\\_tk\\_=pmd\\_1607sey\\_F2y\\_WqyQaNv.wl9Yp2t323MZ2wtYtYP6QU2A-1635268335-0-gqNtZGzNAiWjcnBszQu9](https://onlinelibrary.wiley.com/doi/abs/10.1002/aur.2629?_cf_chl_jschl_tk_=pmd_1607sey_F2y_WqyQaNv.wl9Yp2t323MZ2wtYtYP6QU2A-1635268335-0-gqNtZGzNAiWjcnBszQu9)

2021. Ejlskov L, Wulff J, **Kalkbrenner A**, Ladd-Acosta C, Fallin D, Agerbo E, Mortensen PB, Lee B, Schendel D. Prediction of autism risk from family medical history data using machine learning: a national cohort study from Denmark. *Biological Psychiatry. Global Open Science* Vol. 1, Issue 2, p156–164 Available online as of July 2021.

<https://www.sciencedirect.com/science/article/pii/S2667174321000136?via%3Dihub>

2021. Keil A, **Kalkbrenner AE**, Buckley J. The Bayesian G-Formula to Estimate Impacts of Interventions on Exposure Mixtures: Demonstration with Metals from Coal-fired Power Plants and Birthweight. "Practice of Epidemiology" in *American Journal of Epidemiology (AJE)*.

<https://academic.oup.com/aje/advance-article-abstract/doi/10.1093/aje/kwab053/6159695>

2020. Madley-Dowd P, **Kalkbrenner AE**, Heuvelman H, Heron J, Zammit S, Rai D, Schendel D. Maternal smoking during pregnancy and offspring intellectual disability: causal analysis in an intergenerational Danish cohort of over 1 million individuals. *Psychological Medicine* 2020 Oct 14;1-10. doi: 10.1017/S0033291720003621.

2020. Thygesen M, Holst GJ, Hansen B, Geels C, **Kalkbrenner AE**, Schendel D, Brandt J, Pedersen CB, Dalsgaard S. Exposure to Air Pollution in Early Childhood and the Association with ADHD. *Environmental Research*, April 2020.

<https://www.sciencedirect.com/science/article/abs/pii/S0013935119307273?via%3Dihub>

2020. McGuinn LA, Windham GC, **Kalkbrenner AE**, Bradley C, Di Q, Croen LA, Fallin MD, Hoffman K, Ladd-Acosta C, Schwartz J, Rapold AG, Richardson DB, Neas LM, Gammon MD, Schieve LA, Daniels LA. Early Life Exposure to Air Pollution and Autism Spectrum Disorder: Findings from the Study to Explore Early Development. *Epidemiology*, 2020 Jan;31(1):103-114. doi: 10.1097/EDE.0000000000001109.

2020. Oh K, Xu Y, Lanphear B, Chen A, **Kalkbrenner AE**, Terrizzi BF, PhD, Yolton K. Impact of Low-Level Prenatal and Childhood Exposure to Tobacco Smoke on Behavior and Executive Function at Age 8 Years. *Journal of Pediatrics* P174-180.E1, June 01, 2020.

DOI:<https://doi.org/10.1016/j.jpeds.2019.11.032>

**2020. Kalkbrenner AE<sup>1</sup>**, Meier S<sup>1</sup>, Ladd-Acosta C, Fallin MD, Parner E, Schendel D. Familial Confounding of the Association between Maternal Smoking in Pregnancy and Autism in Offspring. Available online at *Autism Research* 2020 Jan;13(1):134-144. doi: 10.1002/aur.2196. Epub 2019 Aug 29. (1. Joint first-author).

2019. Emer LR, **Kalkbrenner AE**, O'Brien M, Yan A, Cisler RA, Weinhardt L. Association of Childhood Blood Lead Levels with Firearm Violence Perpetration and Victimization in Milwaukee. *Environmental Research*, 2019 Oct 15;180:108822. doi: 10.1016/j.envres.2019.108822

**2018. Kalkbrenner AE**, Windham GC, Zheng C, McConnell R, Lee NL, Schauer JJ, Thayer B, Pandey J, Volk HE. Air Toxics in Relation to Autism Diagnosis, Phenotype, and Severity in a US Family-based Study. Accepted at *EHP* on January 9, 2018.

2016. Lam J, Sutton P, **Kalkbrenner A**, Windham G, Halladay A, Loustas E, Lawler C, Davidson L, Daniels N, Newschaffer C, Woodruff T. A systematic review and meta-analysis of multiple airborne pollutants and autism spectrum disorder. *PLOS ONE*. 2016;11(9).

2015. Sagiv SK, Bellinger DC, **Kalkbrenner AE**. Of decrements and disorders: assessing impairments in neurodevelopment in prospective studies of environmental toxicant exposures. *Environmental Health*, January 21, 2015;14(1):8 Epub ahead of print.
- 2015. Kalkbrenner AE**, Windham GC, Serre ML, Akita Y, Wang X, Hoffman K, Thayer B, Daniels JL. Particulate matter exposure, prenatal and postnatal windows of susceptibility, and autism spectrum disorders in North Carolina and California. *Epidemiology*, January;26(1):30-42.
- 2014. Kalkbrenner AE**, Schmidt RJ, Penlesky AC. Environmental Chemical Exposures and Autism Spectrum Disorders: A Review of the Epidemiological Evidence. Invited review. *Current Problems in Pediatric and Adolescent Health*, online September 5, 2014. DOI: 10.1016/j.cppeds.2014.06.001
2014. Braun JM, Froehlich T, **Kalkbrenner AE**, Pfeiffer CM, Fazili Z, Yolton K, Lanphear BP. Are autistic-behaviors in children related to prenatal vitamin use and maternal whole blood folate concentrations? *Journal of Autism and Developmental Disorders*, online April 2014. DOI 10.1007/s10803-014-2114-x
2014. Braun JM, **Kalkbrenner AE**, Just JC, Yolton K, Calafat AM, Sjodin A, Hauser R, Webster GM, Chen A, Lanphear BP. Gestational Exposure to Endocrine-Disrupting Chemicals and Reciprocal Social, Repetitive, and Stereotypic Behaviors in 4- and 5-Year-Old Children: The HOME Study. *Environmental Health Perspectives*, online March 2014: DOI:10.1289/ehp.1307261.
2012. Hoffman K, **Kalkbrenner AE**, Vieira VM, Daniels JL. The spatial distribution of known predictors of autism spectrum disorders impacts geographic variability in prevalence in central North Carolina. *Environmental Health* 2012; 11:80 doi:10.1186/1476-069X-11-80.
- 2012. Kalkbrenner AE**, Braun JM, Durkin M, Maenner MJ, Cunniff C, Lee L-C, Pettygrove S, Nicholas JS, Daniels JL. Maternal smoking during pregnancy and the prevalence of autism spectrum disorders. *Environmental Health Perspectives*. 2012;120(7):1042-1048.
2011. Braun JM, **Kalkbrenner AE**, Calafat AM, Yolton K, Ye X, Dietrich KN, Lanphear BP. Relationships between gestational and childhood urinary bisphenol A concentrations and behavior and executive function at 3 years of age. *Pediatrics*. 2011;128(5):873-882. doi:10.1542/peds.2011-1335
- 2011. Kalkbrenner AE**, Daniels JL, Emch M, Morrissey J, Poole C, Chen JC. Geographic Access to Health Services and Diagnosis with an Autism Spectrum Disorder. *Annals of Epidemiology*. 2011;21:304-310.
2011. Lanphear BP, Hornung RW, Houry J, Yolton K, Lierl M, **Kalkbrenner A**. Effects of HEPA Air Cleaners on Unscheduled Asthma Visits and Asthma Symptoms for Children Exposed to Secondhand Tobacco Smoke. *Pediatrics*. 2011;127:93-101. DOI: 10.1542/peds.2009-2312
2011. Braun JM, **Kalkbrenner AE**, Calafat AM, Bernert JT, Ye X, Barr DB, Sathyanarayana S, Lanphear BP. Variability and Predictors of Urinary Bisphenol A Concentrations during Pregnancy. *Environmental Health Perspectives*. 2011; 119:131-137, online Oct 8, 2010 (doi: 10.1289/ehp.1002366 (available at <http://dx.doi.org/>))
- 2010. Kalkbrenner AE**, Daniels JL, Chen JC, Poole C, Emch M, Morrissey J. Perinatal exposure to hazardous air pollutants and autism at age 8 in North Carolina and West Virginia. *Epidemiology*. September 2010;21(5). DOI: 10.1097/EDE.0b013e3181e65d76

- 2010. Kalkbrenner AE**, Hornung R, Bernert JT, Hammond SK, Braun JM, Lanphear BP. Determinants of serum cotinine and hair cotinine as biomarkers of childhood secondhand smoke exposure. *Journal of Exposure Science and Environmental Epidemiology*. 2010;20(7):615-24.
2009. Braun JM, Daniels JD, **Kalkbrenner A**, Zimmerman J, Nicholas J. The effect of maternal smoking during pregnancy on intellectual disabilities among 8-year old children. *Paediatric and Perinatal Epidemiology*. 2009;23:482-491.
2002. Eisner MD, Ackerson LM, Chi F, **Kalkbrenner A**, Buchner D, Mendoza G, Lieu T. Health-related quality of life and future health care utilization for asthma. *Ann Allergy Asthma Immunol*. 2002 Jul;89(1):46-55.
2001. Newacheck PW, Lieu T, **Kalkbrenner AE**, Chi FW, Ray GT, Cohen JW, Weinick RM. A comparison of health care experiences for Medicaid and commercially enrolled children in a large, nonprofit health maintenance organization. *Ambul Pediatr*. 2001 Jan-Feb;1(1):28-35.
2001. Pickett KE, Abrams B, Schauffler HH, Savage J, Brandt P, **Kalkbrenner A**, Chapman SA. Coverage of tobacco dependence treatments for pregnant smokers in health maintenance organizations. *Am J Public Health*. 2001 Sep;91(9):1393-4.
2001. Miller DF, Holtzman SL, **Kalkbrenner A**, Kaufman TC. Homeotic Complex (Hox) gene regulation and homeosis in the mesoderm of the *Drosophila melanogaster* embryo: the roles of signal transduction and cell autonomous regulation. *Mech Dev*. 2001 Apr;102(1-2):17-32.
2001. Miller DF, Rogers BT, **Kalkbrenner A**, Hamilton B, Holtzman SL, Kaufman T. Cross-regulation of Hox genes in the *Drosophila melanogaster* embryo. *Mech Dev*. 2001 Apr;102(1-2):3-16.
1993. Goldstein LA, Kurz EM, **Kalkbrenner AE**, Sengelaub DR. Changes in dendritic morphology of rat spinal motoneurons during development and after unilateral target deletion. *Dev Brain Res*. 1993 Jun 8;73(2):151-63.

### Letters and Commentary

2021. Keil AP, Buckley JP, **Kalkbrenner AE**. RE: The promise and pitfalls of causal inference with multivariate environmental exposures. Reply to commentary. *American Journal of Epidemiology*, online June 2021. <https://doi.org/10.1093/aje/kwab143>
2020. Rubenstein E, **Kalkbrenner A**, Volk H, McGuinn L. Benefits, burden, and COVID-19, A response to Dutheil et al. (2020). *Journal of Autism and Developmental Disabilities* 2020 Oct 21: 1–2.
- 2012. Kalkbrenner AE**, Braun JM, Durkin MS, Maenner MJ, Cunniff C, Daniels JL. Presentation of Study Results: Kalkbrenner et al. Respond. *Environmental Health Perspectives*. 2012;120(9): A344-A345.
2009. Braun JM, **Kalkbrenner AE**. Autism Prevalence and Precipitation: The Potential for Cross-Level Bias. Commentary. *Arch Pediatr Adolesc Med*. 2009 May; 163:492.

## Peer-Reviewed Scientific Meeting Presentations

\*presenting author

2023. Jenson TE\*, **Kalkbrenner AE**, Bakulski K, Wesp L, Driscoll I, Dookeran K. Racialized experience, biomarkers of lead exposure, and later-life cognition: a mediation analysis. Abstract submitted for Society for Epidemiologic Research (SER) 2023 Annual Meeting, 13 June 2023 (Portland, OR).

2023. Jenson TE\*, Bakulski KM, Dookeran K, Driscoll I, **Kalkbrenner AE**. Chronic cadmium exposure is associated with Alzheimer's Disease-related mortality in adults over age 60 in a representative US sample. Abstract submitted for Association for Clinical and Translational Science 2023 Annual Meeting, April 2023 (Washington, DC).

2022. Jenson TE\*, Bakulski KM, Dookeran K, Driscoll I, **Kalkbrenner AE**. Chronic cadmium exposure is associated with cognition among adults over age 60 in a representative US sample. Poster presented and oral presentation given at the 2022 Midwest TL1 Research Summit, Sept 2022 (Madison, WI).

2022. Yu J\*, **Kalkbrenner A**, Zheng C, Klein-Tasman B, Svoboda K, Lyall K, Newschaffer C, Fallin D, Croen L, Schmidt R, Hertz-Picciotto I, Volk H. Effects of Prenatal Phthalate Exposure on Early Childhood Expressive Language Development Trajectories. Abstract accepted for the International Society of Environmental Epidemiology (ISEE), September 2022 (Greece).

2022. Florez Garcia V\*, **Kalkbrenner AE**. Relationship Between Blood Manganese Levels and Elevated Triiodothyroxin Measures in Adolescents and Adults in the National Health and Nutrition Examination Survey (NHANES 2011-2012). Poster at Society for Epidemiologic Research (SER) 2022 Annual Meeting, June 2022 (Chicago, IL).

2022. Jenson TE\*, Bakulski KM, Dookeran K, Driscoll I, **Kalkbrenner AE**. Chronic cadmium exposure is associated with lower cognition among adults over age 60 in a representative US sample. Poster at Society for Epidemiologic Research (SER) 2022 Annual Meeting, June 2022 (Chicago, IL).

2022. Jenson TE\*, Bakulski KM, Dookeran K, Driscoll I, **Kalkbrenner AE**. Chronic cadmium exposure is associated with cognition among adults over age 60 in a representative US sample. Poster for Association for Clinical and Translational Science (ACTS) 2022 Annual Meeting, April 2022 (Chicago, IL).

2021. Loeffler NN\*, **Kalkbrenner A**, Friedman L, Jagai J. Ambient air pollution (PM2.5 and O3) in relation to ADHD in NYC Children Age 3-13 years. Abstract submitted to International Society of Environmental Epidemiology (ISEE), August 2021.

2020. Jenson TE\*, Driscoll I, Woo JMP, **Kalkbrenner AE**. Disentangling the Impacts of Cadmium Exposure and Smoking Behavior on Age-Related Cognitive Decline in a Representative U.S. Sample. Abstract accepted for virtual poster presentation at the International Society of Environmental Epidemiology (ISEE), August 2020 (meeting moved to virtual format due to COVID 19).

2020. Benke KS\*, **Kalkbrenner AE**, Ladd-Acosta C, Zheng C, Jenson TE, Yu J, Vilhjálmsón BJ, Climent, CA, Fallin MD, Pedersen CB, Dalsgaard S, Mortensen PB, Schendel D. Role of Polygenic Risk on the Association of Maternal Smoking In Pregnancy with Autism Spectrum Disorder and Attention Deficit Hyperactivity Disorder. Submitted to International Society for Autism Research (INSAR), May 2020 (Seattle, WA). Meeting cancelled due to COVID 19.
2020. Ejlskov L\*, Wulff JN, **Kalkbrenner AE**, Ladd-Acosta C, Fallin MD, Lee BK and Schendel D. A Family Morbidity Risk Score for Autism. Submitted to International Society for Autism Research (INSAR), May 2020 (Seattle, WA). Meeting cancelled due to COVID 19.
2019. Madley-Dowd P\*, **Kalkbrenner AE**, Heuvelman H, Rai D, Schendel. Maternal smoking during pregnancy and offspring intellectual disability: causal analysis in an inter-generational Danish cohort of over 1 million individuals. Abstract for meeting of the International Society for the Developmental Origins of Health and Disease (DOHaD), Oct 2019 (Melbourne, Australia).
2019. Thygesen M\*, Holst GJ, Hansen B, Brandt J, Geels C, **Kalkbrenner AE**, Schendel D, Pedersen CB, Dalsgaard S. Exposure to Air Pollution in Early Childhood and the Association with ADHD. Abstract for poster presentation at the 7th World Congress on ADHD, April 2019 (Lisbon, Portugal).
2019. McGuinn LA\*, Windham GC, **Kalkbrenner AE**, Bradley C, Di Q, Croen LA, Fallin MD, Hoffman K, Ladd-Acosta C, Schwartz J, Rapold AG, Richardson DB, Neas LM, Gammon MD, Schieve LA, Daniels LA. Early Life Exposure to Air Pollution and Autism Spectrum Disorder: Findings from the Study to Explore Early Development. Abstract for the International Society for Autism Research (INSAR), May 2019 (Montreal, Canada).
2019. **Kalkbrenner AE\***, Zheng C, Jenson TE, Yu J, Ladd-Acosta C, Pedersen CB, Dalsgaard S, Mortensen PB, Schendel D. Cross-Disorder Investigation of Environmental Associations with Autism Spectrum Disorder and Attention Deficit Hyperactivity Disorder. Poster at International Society for Autism Research (INSAR), May 2019 (Montreal, Canada).
2019. Schendel D\*, Laursen TM, Ladd-Acosta C, Fallin MD, Lee B, Benke K, Grove J, **Kalkbrenner AE**, Pedersen CB, Ejlskov L, Vilhjálmsón B, Mortensen PB, Mors O, Bøglum A, Werge T, Nordentoft M, Hougaard D, Agerbo E. Polygenic Risk Score and Psychiatric Family History in Autism Spectrum Disorder. Part of panel presentation at the International Society for Autism Research (INSAR), May 2019 (Montreal, Canada).
2018. Talitman M\*, Steinberg DM, **Kalkbrenner AE**, Hovell M and Rosen LJ. Association between biomarkers and parentally-reported measures of child tobacco smoke exposure: A secondary analysis of data from three trials. Abstract for the Israel Association of Public Health Physicians and Schools of Public Health, June 2018 (Israel).
2018. Tiku S\*, **Kalkbrenner, AE**, Ngui E. Association between Bully Victimization and Binge Drinking Among High School Students: The Mediating Role of Depression. Poster at the American Public Health Association meeting, November 2018 (San Diego, CA).
2018. Rizk, S\*, **Kalkbrenner, AE**, Pizur-Barnekow, K. (2018). Differences in receipt of educational services in children with autism with and without a medical home. Poster at Occupational Therapy Summit of Scholars, June 2018 (Kansas City, KS).
2018. Hamra GB\*, MacLehose RF, **Kalkbrenner A**. Evaluating multiple air toxics associated with preterm birth using penalized estimators. Presentation at the Society for Epidemiologic Research (SER), June 2018 (Baltimore, MD).

2018. Keil A\*, **Kalkbrenner AE**, Buckley J. Applying the Bayesian G-Formula to Estimate Impacts of Public Health Actions on Environmental Exposure Mixtures. Presentation at the International Society of Environmental Epidemiology (ISEE), August 2018 (Ottawa, Canada).

2017. **Kalkbrenner A\***, Zheng C, Manansala R, Ngui E, Schauer J. Multiple Airborne Metals and Volatile Organic Compounds in Relation to Preterm Birth in Milwaukee, Wisconsin. Poster presentation at the Society for Perinatal Epidemiological Research (SPER), June 2017 (Seattle, WA).

2017. **Kalkbrenner A\***, Meier S, Ladd-Acosta C, Fallin MD, Parner E, Schendel D. Familial Confounding of the Association between Maternal Smoking in Pregnancy and Autism in Offspring. Poster presentation at the International Meeting for Autism Research (IMFAR), May 2017 (San Francisco, CA).

2016. John S\*, **Kalkbrenner A**, Weinhardt L. Examining racial disparities in bacterial sexually transmitted infections using sexual network position. Poster presentation at the American Public Health Association (APHA), Oct 2016 (Denver, CO).

2016. Lam J\*, Sutton P, Halladay A, **Kalkbrenner A**, Windham GC, Davidson L, Lawler C, Newschaffer CJ, Daniels N, Sen S, Woodruff T. From Epi to Decisions: use of Navigation Guide Systematic Review Methodology to Summarize the Evidence for Decision-Making. Poster presentation for the International Meeting for Autism Research (IMFAR), May 2016 (Baltimore, MD).

2016. **Kalkbrenner AE\***, Windham G, Lee NL, McConnell RS, Volk HE. Hazardous Air Pollutants in Relation to Autism Diagnosis and Phenotype in a US Family-based Study. Poster presentation for the International Meeting for Autism Research (IMFAR), May 2016 (Baltimore, MD).

2015. Volk HE\*, McConnell R, Hertz-Picciotto I, Lurmann F, Kerin T, **Kalkbrenner A**, Lee N, Windham G. Prenatal air pollution exposure effects on autism spectrum disorder and neurodevelopment. Abstract at Neurotoxicology, June, 2015.

2015. Donauer S\*, **Kalkbrenner AE**, Ryan P, Xu Y, Sucharew H, Yolton K. Prenatal exposure to traffic-related air pollution and infant neurobehavior. Abstract accepted to the International Society of Environmental Epidemiology (ISEE), August 2015 (Sao Paulo, Brazil).

2015. Sagiv SK\*, **Kalkbrenner AE**, Bellinger DC. Of decrements and disorders: assessing impairments in quantitative autism traits in prospective epidemiological studies of environmental toxicant exposures. Poster presentation at the International Meeting for Autism Research (IMFAR), May 2015 (Denver, CO).

2014. Volk HE\*, **Kalkbrenner AE**, Lee N, Lurmann F, Minor H, Windham G. Integration of Environmental Variables into Autism Genetic Repository Data. Poster presentation at the International Meeting for Autism Research (IMFAR), May 2014 (Atlanta, GA).

2013. Braun JM\*, **Kalkbrenner AE**, Just AC, Yolton K, Calafat AM, Sjodin A, Hauser R, Webster G, Chen A, Lanphear BP. Gestational endocrine disrupting chemical exposure and autistic behaviors in 4-5 year old children from Cincinnati OH. Oral presentation at International Society of Environmental Epidemiology (ISEE), August 2013 (Basel, Switzerland).

2013. **Kalkbrenner AE\***, Windham GC, Serre ML, Akita Y, Wang X, Thayer BP, Daniels JL. Exposure to ambient coarse particulate matter by gestational period and autism spectrum disorders



in North Carolina and California. Poster presentation at Society for Epidemiological Research (SER), June 2013 (Boston, MA).

2012. Hoffman K\*, **Kalkbrenner AE**, Vieira VM, Daniels JL. Geographic variability of autism spectrum disorders in central North Carolina. E-poster presentation at International Society for Environmental Epidemiology (ISEE) meeting, August 2012 (Columbia SC).

2012. Durkin MS\*, Maenner MJ, Arneson CA, DiGuseppi C, Constantino J, Fitzgerald R, Lee LC, Pettygrove S, Wingate MS, Nichols J, **Kalkbrenner AE**, Schieve LA, Rice C. Evidence of Increasing Socioeconomic Disparity in the Prevalence of Autism Spectrum Disorder among U.S. Children. Poster presentation at the International Meeting for Autism Research (IMFAR), May 2012 (Toronto).

**2012. Kalkbrenner AE\***, Watkins S, Hoffman K, Bell P, Daniels JL. Sensitivity of Autism Spectrum Disorder Prevalence Estimates to Private and Home School Enrollment and Denominator Choice in North Carolina. Poster presentation at the International Meeting for Autism Research (IMFAR), May 2012 (Toronto).

2012. Braun JM\*, **Kalkbrenner AE**, Froehlich T, Yolton K, Dietrich KN, Lanphear BP. Gestational phthalate and bisphenol A and autistic-like social impairment in preschool children. Platform presentation to the Pediatric Academic Society Meeting, April 2012 (Boston).

**2011. Kalkbrenner AE\***, Daniels JL, Poole C, Emch M. Residential Mobility of Children and the Potential for Control Selection Bias. Poster presented at the Society for Epidemiologic Research (SER) Meeting, June 2011 (Montreal).

2011. Hoffman K\*, **Kalkbrenner AE**, Daniels JL. Spatial Analysis of Autism Spectrum Disorders in Central North Carolina Using Generalized Additive Models. Poster presented at the Society for Epidemiologic Research (SER) Meeting, June 2011 (Montreal).

2010. Braun JM\*, **Kalkbrenner AE**, Yolton K, Calafat A, Lanphear BP. Associations between pre- and postnatal urinary Bisphenol A concentrations and childhood neurobehavior at 3 years of age. Abstract accepted to the Academic Pediatric Association Mtg, December 2010 (Washington DC).

**2010. Kalkbrenner AE\***, Daniels JL, Braun JM, Cunniff C, Durkin M, Lee LC, Nicholas JS, Pettygrove S. Maternal smoking during pregnancy and prevalence of autism spectrum disorders. Oral presentation at the International Meeting for Autism Research (IMFAR), May 2010 (Philadelphia).

2010. Braun JM\*, **Kalkbrenner AE**, Calafat A, Bernert JT, Lanphear BP. Predictors and Variability of Urinary Bisphenol A Concentrations During Pregnancy. Abstract accepted for Gordon Research Conference on Environmental Endocrine Disruptors, May, 2010 (Switzerland). Presentation was not given due to inability to travel.

**2009. Kalkbrenner AE\***, Daniels JL, Poole CL, Chen JC. Hazardous Air Pollutants and Autism in North Carolina and West Virginia. Poster presentation at the Society for Epidemiologic Research (SER) Meeting, June 2009 (Anaheim).

**2009. Kalkbrenner AE\***, Daniels JL, Poole CL, Chen JC, Emch M. Accessibility of Health Services and Age at Autism Diagnosis. Poster presentation at the International Meeting for Autism Research (IMFAR), May 2009 (Chicago).

2008. Braun JM\*, **Kalkbrenner AE**, Daniels JL. Gender modifies the effect of prenatal tobacco smoke exposure on intellectual disabilities among 8-year children in Arkansas, Georgia, North

Carolina, and Utah. Poster Presentation at the meeting of the International Society for Environmental Epidemiology (ISEE), September 2008 (ISEE) (Pasadena).

**2007. Kalkbrenner A\***, Lanphear BL, Hornung R, Bernert JT, Hammond SK. Determinants of Serum and Hair Cotinine as Biomarkers of Childhood Environmental Tobacco Smoke Exposure. Oral Presentation at International Society for Environmental Epidemiology (ISEE) meeting, September 2007 (Mexico City).

2006. Lanphear BL\*, Hornung R, Khoury J, Lierl M, **Kalkbrenner A**, Yolton K. Efficacy of HEPA-CPZ Air Cleaners on Unscheduled Asthma Visits and Asthma Symptoms in ETS-Exposed Children with Asthma. Oral Presentation at International Society for Environmental Epidemiology (ISEE) meeting, September 2006 (Paris).

**2005. Kalkbrenner AE\***, Daniels JL, Lanphear BL. Cigarette smoking during pregnancy and mental retardation in the National Collaborative Perinatal Project. Poster presented at the meeting of the Society for Perinatal Epidemiologic Research (SPER) June 2005 (Toronto).

## Grants

### Active

2022. Design and development of a pilot study and baseline to establish the possible health effects of human populations exposed to aerial spraying with glyphosate in the eradication program of illicit crops in Colombia

Funding Agency: Government of Colombia

Role: International consultant (PI: J. Olivero Verbel, University of Cartagena, Colombia)

2017. **PANDa (Pollution and Neurodevelopment in Denmark)**

R01ES026993-01A1. Air-Pollution Risk for Autism and ADHD – Cross-Disorder Insights and Genetic Liability.

Funding Agency: NIEHS

Mechanism: PA-13-302 – NIH Research Project Grant Program (R01)

Award: \$2,375,999 (4/1/2017 – 2/28/2022, NCE to 2/28/2023)

Contact MPI: **A. Kalkbrenner** (with MPI: D. Schendel, Aarhus University, Denmark)

2017. **Administrative Supplement to PANDa** to support training in Denmark for staff/trainees.

3R01ES026993-01A1S1

Award: \$9,050

2020. **Administrative Supplement to PANDa** to support new Danish data access fees.

3R01ES026993-01A1S1

Award: \$52,584

### Completed

2012-15. Perinatal Exposure to Airborne Pollutants and Associations with Autism Phenotype (PEAP)

Funding Agency: Autism Speaks

Award: \$449,690, subaward under Kalkbrenner: \$62,028 (1/12-7/15)

Site PI: **A. Kalkbrenner** (Overall PI: H. Volk, University of Southern California)

2013-14. Social Inequalities and Toxic Air Pollutant Exposures in Milwaukee, Wisconsin  
Funding Agency: NIEHS Children's Environmental Health Sciences Core Center, Milwaukee  
Mechanism: Pilot Award for Children's Environmental Health Inequities Research  
Award: \$59,990 (4/13 – 3/14)  
PI: **A. Kalkbrenner**

2006-11. North Carolina Center of Excellence for Autism and Developmental Disabilities  
Epidemiology  
Funding Agency: Centers for Disease Control and Prevention, U50/CCU422345-04  
Award: FY06 \$1,012,060 direct & indirect  
Role: Postdoctoral Fellow (PI: J. Daniels)

2007-8. Hazardous Air Pollutants and Autism  
Funding Agency: NIEHS, through UNC Center for Environmental Health and Susceptibility  
Role: Graduate Student Investigator (PI: J. Daniels)

## Teaching Record

### Courses Developed and Led

- 2015- Applied Methods and Analysis in Public Health Research (graduate) (PH 823)  
Zilber School of Public Health, UWM: 2015, 2016, 2017, 2019, 2021
- 2012- Environmental Epidemiology (graduate) (PH 762)  
Zilber School of Public Health, UWM: 2012, 2013, 2015, 2016, 2017, 2018, 2020, 2022,  
2023
- 2012-22 Principles and Methods of Epidemiology (graduate) (PH 704)  
Zilber School of Public Health, UWM: 2012, 2013, 2014, 2022

### Courses Developed

- 2016 Exploring Global Environmental Health (undergraduate) (PH142)  
Zilber School of Public Health, UWM. Taught by T. Miller starting in 2019

### Courses Led

- 2020 Climate Change, Environment, and Health (undergraduate) (PH303)  
Course developed by M. Laiosa  
Zilber School of Public Health, UWM
- 2015 Capstone in Public Health (graduate) (PH 800)  
Zilber School of Public Health, UWM

### Invited Talks

- 2023 Keynote address at Wisconsin Health Professionals for Climate Action Conference,  
Madison, April 8 2023.

- 2022 Panelist for a community forum on the health impacts of plastic, organized by Viroqua Plastic Free, Viroqua, WI.
- 2013-22 *Advancing Knowledge About Environmental Causes of Neurodevelopmental Disorders: From Question Framing to Practical Considerations*. Repeat invitation. Guest speaker for Doctoral Seminar in Public Health Research (PH801), UWM, Instructor Lance Weinhardt, University of Wisconsin-Milwaukee
- 2021 *Understanding the Impact of Air Pollutant Mixtures on Development*. Department of Occupational and Environmental Health, College of Public Health, University of Iowa.
- 2021 *Epidemiology: the Science of Measuring Health and Its Influences*. Invited talk to the Osher Lifelong Learning Institute, University of Wisconsin-Milwaukee
- 2020 *How Geography Helps the Public's Health: Focus on Air Pollution in a Time of Coronavirus*. Invited Geography Colloquium, University of Wisconsin-Milwaukee
- 2019 *How reliance on combustion impacts our health and what we can do*. Weston Roundtable Lecture (sustainability science, engineering, and policy), University of Wisconsin-Madison
- 2017 *Disentangling Environmental Mixtures: Multiple Air Pollutants and Autism Risk*. Invited seminar in epidemiology at the University of North Carolina, Chapel Hill, NC
- 2017 *Genetic and Environmental Factors Associated with Autism Spectrum Disorder*. Invited speaker at panel for annual meeting of the Environmental Mutagenesis and Genomics Society (EMGS), Raleigh, NC
- 2017 *The Epidemiology of Airborne Pollutants and Autism*. Invited Grand Rounds speaker at the British Columbia Centers for Disease Control (BC CDC), Vancouver, Canada
- 2017 *Why study air pollutants and autism?* Research Seminar, Zilber School of Public Health, University of Wisconsin-Milwaukee, WI
- 2016 Part of "*Big Ideas for Busy People*", 5-minute lay presentation on my research. One of 8 faculty representing UWM at the Wisconsin Science Festival, Wauwatosa, WI
- 2016 *Multiple Air Pollutants and Autism – Epidemiological Evidence*. Invited seminar in epidemiology/biostatistics at the School of Public Health, University of Illinois at Chicago, Chicago, IL
- 2015 *Climate Change, Air Pollution, and Neurodevelopmental Disorders*. Invited talk during one day seminar for Continuing Medical Education: "Climate Change and Public Health: an Interprofessional Review", University of Minnesota, Medical School, Minneapolis, MN
- 2015 *Epidemiological Studies of Environmental Chemicals and Autism*. Invited seminar for trainees of the Wisconsin Leadership Education in Neurodevelopmental and related Disabilities (LEND) program, University of Wisconsin-Milwaukee
- 2015 *Epidemiological Studies of Environmental Chemicals and Autism*. Invited talk. Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2014 *Do air pollutant exposures cause autism? Current evidence and future directions*. Invited seminar at the National Center for Register-based Integrative Psychiatric Research (iPSYCH), Aarhus University, Aarhus, Denmark

- 2013 *Air Pollutants Hiding Under that Clear Blue Sky: Could they be Causing Autism?* University of Wisconsin, School of Medicine and Public Health, Department of Population Health Science Seminar Series, Madison, WI
- 2013 *New Directions in Uncovering Roles of Harmful Air Pollutants.* Presentation at Industry/Advocacy Event: Wisconsin Partners for Clean Air: 2013 Clean Air Extravaganza, Milwaukee, WI
- 2013 *Prevalence of Autism Spectrum Disorder in North Carolina: Surveillance Coverage, Denominator Choice, and Temporal Trends.* Surveillance Grantee Meeting of the Autism and Developmental Disabilities Monitoring Network, Centers for Disease Control and Prevention, Atlanta, GA
- 2012 *Epidemiologic investigations of the role of environmental chemicals in neurodevelopmental disorders like autism.* Guest speaker for Doctoral Seminar, PhD Program in Public and Community Health, Medical College of Wisconsin, Milwaukee, WI
- 2012 *Could exposure to tobacco be contributing to autism? How epidemiologists disentangle the causal threads.* Nationwide Children's Hospital Seminar Series, Columbus, OH
- 2011 *Epidemiologic Investigations of the Role of Environmental Chemicals in Neurodevelopmental Disorders like Autism.* "On Public Health" Seminar series at the Zilber School of Public Health, University of Wisconsin-Milwaukee
- 2011 *Introduction to environmental and occupation epidemiology.* Guest speaker for course, Environmental and Occupational Health (PH703), Instructor Michael Laiosa, University of Wisconsin-Milwaukee
- 2010 *Exposure surveillance and use of pre-existing environmental data.* Guest speaker for course, Environmental Epidemiology at UNC, Instructor Steve Wing, Chapel Hill, NC
- 2010 *Exposure Assessment.* Guest speaker for course, Environmental Epidemiology at Duke, Instructors Richard Kwok and Marcia Angle, Durham, NC
- 2010 *Residential Mobility in Studies of Perinatal Epidemiology.* Guest speaker for course, Perinatal and Pediatric Epidemiology at UNC, Instructor Julie Daniels, Chapel Hill, NC

## Advisees and Mentorship

### Faculty Mentor

- 2022- Rose Hennessy Garza, PhD, Assistant Visiting Professor, Zilber SPH, UWM

### Doctoral, Chair

- 2021- Mozhgan Naji  
Environmental Epidemiology, Zilber School UWM  
Dissertation Area: TBD
- 2019- Victor Flórez García  
Environmental Epidemiology, Zilber School UWM

Dissertation Area: manganese, thyroid hormones, and neurodevelopment

- 2018- Tara Jenson  
Environmental Epidemiology, Zilber School UWM  
“Metal Exposures and Alzheimer’s Disease: Risks in the Context of Environmental Injustice and Sex Steroid Hormones”
- 2018- Justin Yu  
Environmental Epidemiology, Zilber School UWM  
“Endocrine Disruptors and Their Impacts on Language Development”

### **Doctoral, Committee Member**

- 2021- Shailja Tiku (Primary Advisor: Lance Weinhardt)  
Community and Behavioral Health Promotion, Zilber School UWM  
Dissertation Area: Multi-level Predictors of Adolescent Bullying
- 2021- Julia Harris (Primary Advisor: Krista Lysdahl)  
Psychology, UWM  
Dissertation Area: Air pollution, brain morphology, and substance use
- 2021- Chima Anyanwu (Primary Advisor: Kirsten Beyer)  
Medical College of Wisconsin  
Dissertation Area: Air pollution and cancer
- 2018- Naomi Nemoto (Primary Advisor: Jyotsna Jagai)  
Environmental and Occupational Health Sciences, University of Illinois-Chicago  
Dissertation Area: Air Pollutants and ADHD
- 2016-18 Lindsay Emer (Primary Advisor: Lance Weinhardt)  
Community and Behavioral Health Promotion, Zilber School UWM  
Dissertation Area: Lead Exposure and Firearm Violence
- 2011-12 Rohan Mahadeo Jadhav (Primary Advisor: Sandra McLellan)  
Environmental and Occupational Health, Zilber School UWM  
Dissertation Area: The impact of rainfall and negative pressure flows on microbial contamination of drinking water  
Discontinued the program in May, 2012

### **Masters, Primary Advisor (MPH in EHS or Epidemiology, Zilber School, UWM)**

- 2022- Ross Hafeman  
Brigitte Landreville  
Amaya Bustillos
- 2021- Victoria Sager
- 2020-22 Gabrielle Rigden

2019-21	Tishaura Brown Phillip Pape
2017-18	Justin Lee
2016-18	Rachel Morgan
2015-17	Kylli Mae Paavola
2014-16	Claire Pattison Courtney Kamine
2011-18	Elizabeth Yogerst

### **Other student supervision with authorship opportunities**

- 2021- Julia Harris, doctoral student in psychology, UWM, chair Krista Lisdahl. Co-sponsor on an F31 proposal submitted Dec 2022, not funded.
- 2019-21 Shayna Fever, master's student of Jonathan Kahl in Atmospheric Sciences, Mathematical Sciences, University of Wisconsin-Milwaukee. Assisted with design and interpretation of master's thesis.
- 2018-20 Paul Madley-Dowd, doctoral student at University of Bristol, UK. Assisted with study design and writing resulting in publication.
- 2016-20 Michal Bitan, doctoral student at Tel Aviv University, Israel. Assisted with data acquisition, study design, analysis, and writing, leading to manuscript submitted for publication.
- 2017-20 Laura McGuinn, doctoral student at University of North Carolina. Assisted with results interpretation resulting in publication.
- 2019-20 Malene Thygesen, doctoral student at Aarhus University, Denmark. Assisted with study design, results interpretation, and writing, resulting in publication.
- 2018 Shailja Tiku, PhD Community and Behavioral Health Promotion (with Advisor E. Ngui). Assisted with abstract for APHA
- 2018 Sabrin Rizk, PhD in College of Health Sciences (with Advisor K. Barnekow). Assisted with abstract for Occupational Therapy Summit of Scholars
- 2017 Darek Lucas, MPH biostatistics (with Advisor Cheng Zheng) Assisted in Darek's capstone project evaluating the impact of lead abatement on new cases of lead poisoning
- 2016 Kevin Smith, graduate with MPH in EHS Assist Kevin Smith in publishing a paper arising from his Capstone work post-graduation
- 2016 Regina Manansala, MPH biostatistics

Supervised hourly data analysis work, leading to her participating as an author on a conference abstract and planned peer-reviewed publication

- 2015 Steven John, PhD Community and Behavioral Health Promotion (with advisor L. Weinhardt)  
Assisted in data analysis initiated during coursework, leading to accepted conference abstract
- 2014 Annie Penlesky, MPH  
Supervised hourly work assisting with a systematic review, leading to her participation as an author on a published manuscript

## Honors, Awards, and Fellowships

2019. Office of Research/ UWM Foundation Research Award

2015. Featured in annual Research Report of the University of Wisconsin-Milwaukee. "Autism: Could the disorder be linked to the dirty air we breathe?".  
<http://uwm.edu/researchreport/science/autism/>

2012. Maternal Smoking and Autism Research named by Autism Speaks to "Top Ten Research Advances of 2012"

2012. New Investigator Travel Scholarship: Environmental Epidemiology of Autism Research Network (EEARN) Meeting in Toronto

2009-11. National Research Service Award Environmental Epidemiology Postdoc. Traineeship (T32)

2009. First Prize Winner, Poster Session 3, Society for Epidemiologic Research Meeting, Anaheim, CA

2009. Delta Omega Honorary Public Health Society, selection for membership

2007. Impact Award for research benefiting citizens of North Carolina

2004-6. National Research Service Award Environmental Epidemiology Predoctoral Traineeship (T32)

2003-8. William R. Kenan Graduate Fellowship, University of North Carolina

2003. Ibrahim Alumni Award, University of North Carolina

1996. Alumni Fellowship, School of Public Health, University of California, Berkeley

1995. Graduate Fellowship, University of California, Berkeley

1992. Sigma Xi Honorable Mention for undergraduate research

1992. Kantor Award for outstanding senior honors student in psychology, Indiana University

1988-92. Honors Division Della Evans Scholarship, Indiana University



## Memberships

Environmental Epidemiology of Autism Research Network (EARN)

Founding member, International Society for Children's Health and Environment (ISCHE)

Society for Pediatric and Perinatal Epidemiologic Research (SPER)

Society for Epidemiologic Research (SER)

International Society for Autism Research (INSAR)

International Society of Environmental Epidemiology (ISEE)

## Professional/Community Service

### Grant Reviewer

2023. Chair. NIH grant review panel of Environmental Influences on Child Health Outcomes (ECHO) Program. [RFA-OD-22-017](#), [RFA-03-22-019](#), [RFA-OD-22-018](#)
- 2022, 19, 17. National Institutes of Environmental Health Sciences (NIEHS), Grant Review for RFA-ES-16-004, Maintain and Enrich Resource Infrastructure for Existing Environmental Epidemiology Cohorts (R24, then U24)
- 2022, 21. National Institutes of Health Center for Scientific Review, Career Awards (K and K99/R00)
2021. National Institutes of Health Center for Scientific Review, ad hoc reviewer for BGEN – Behavioral Genetics and Epidemiology Study Section
2021. National Institutes of Health Center for Scientific Review, Special Emphasis Panel of BDCN – Brain Disorders and Clinical Neuroscience (ZRG1 BDCN-W90)
- 2021, 17, 14. State of New Jersey, Grant Review Panel, Governor's Council for Medical Research and Treatment of Autism
- 2020, 19, 18. National Institutes of Health Center for Scientific Review, repeating ad hoc reviewer for NAME – Neurological, Aging, and Musculoskeletal Epidemiology Study Section
2018. National Institutes of Environmental Health Sciences (NIEHS), Grant Review for RFA-ES-18-004, Revolutionizing Innovative, Visionary Environmental health Research (RIVER) (R35)
2015. Autism Science Foundation (ASF) Pre- and Post-doctoral Fellowship Grant Review
2012. Autism Speaks, Basic and Clinical Division Grant Review

2011. Pilot Project Proposals, Southern California Environmental Health Sciences Center, Keck School of Medicine, University of Southern California

### **Conference Planning**

2023, 2017. Planning Committee for the Environmental Epidemiology Research for Autism Network (EEARN) annual meeting

### **Member of Editorial Review Board**

Environmental Health Perspectives

### **Invited Reviewer for Journal**

Environmental Pollution

Journal of Neurodevelopmental Disorders

Environment International

Schizophrenia Bulletin

Science of the Total Environment (STOTEN)

Journal of Occupational and Environmental Medicine

Pediatric Research

Paediatric and Perinatal Epidemiology (PPE)

Environmental Science & Technology

British Journal of Nutrition

Environmental Research

American Journal of Epidemiology (AJE)

Neurotoxicology

Autism Research

JAMA Pediatrics

The Journal of Pediatrics

Pediatrics

Journal of Exposure Science and Environmental Epidemiology (JESEE)

The Journal of Headache and Pain

International Journal of Epidemiology (IJE)

Environmental Health Perspectives (EHP)

Epidemiology

Journal of Child Psychology and Psychiatry

PLoS One

Journal of Toxicology and Environmental Health, Part A: Current Issues

### **Other Reviewer**

- 2021. Review of textbook: "Human Health and the Climate Crisis", Ch 12 on Mental Health Impacts, Jones and Bartlett
- 2014, 16. Conference abstract reviewer, Epidemiology section, International Meeting for Autism Research (IMFAR)
- 2011, 13. Academic Pediatric Association, Environmental Health Scholars Retreat
- 2011. Surgeon General Report: "The Health Consequences of Smoking and Involuntary Exposure to Tobacco Smoke: An Update"

### **Departmental/University Service**

- 2023- PhD Programs Director, Zilber School of Public health
- 2019-23 and 2011/12. Member of the Graduate Program Committee (GPC), Zilber School of Public Health
- 2019-23. Investigating Officer (for academic misconduct), Zilber School of Public Health
- 2019-22. Track Lead, Environmental Health Sciences (EHS), Zilber SPH
- 2021-2. Member, Search and Screen Committee for Public Health Grant Administrator (pre- and post-award support).
- 2017/18. Member, Faculty Dismissal Investigative Committee, appointed by Chancellor Mone
- 2017/18. Chair, PhD Coordination Committee, Zilber School of Public Health
- 2016/17. PhD Coordination Committee, Zilber School of Public Health
- 2015/16. Undergraduate Degree Workgroup (UG), Zilber School of Public Health

- 2014/15. MPH Curriculum Coordinating Committee (MPHCC), Zilber School of Public Health
- 2013/14. Conceptualized and organized monthly Faculty-Student Socials at Zilber School of Public Health
- 2013/14. Participated with other epidemiology faculty in the design of the MPH degree, epidemiology track, including track-level outcomes and contributions to the Program Change Form
- 2012/13. Member of Search and Screen Committee for hiring 4 faculty at Zilber School: Biostatistics and Environmental and Occupational Health
- 2012/13. Member of Center for Urban Initiatives Research (CUIR) Working Group to establish campus-wide statistical and evaluation services, University of Wisconsin-Milwaukee
- 2012/13. Member of the Academic Planning Committee (APC), Zilber School of Public Health
- 2012. Member of "Summer Team" of MPH curriculum development, Zilber School of Public Health
- 2011/12. Created and led the Milwaukee CER-TIN Research Collaboration Group: Children's Environmental Research – Toxicology/Immunology/Neurotoxicology
- 2011. Member of the Ad-Hoc Space Committee, Zilber School of Public Health
- 2009-11. Created and led the University of North Carolina Epidemiology Post-Doc Group

## Media Appearances

### 2021. Role of Aviation Fuel in Airborne Lead

Journal Sentinel online news article: "How a Middleton airport has become a battleground over lead pollution." Talis Shelbourne Milwaukee Journal Sentinel, Oct. 21, 2021 (behind paywall)

### 2020. We Count COVID-19 research related

Journal Sentinel online news article

<https://www.jsonline.com/story/news/2020/04/09/coronavirus-wisconsin-latest-updates-cases-cancellations/5120462002/>

UWM Report

<https://uwm.edu/news/feeling-sick-uwm-launches-project-to-better-track-spread-of-covid-19/>

Milwaukee Courier

<https://milwaukeecourieronline.com/index.php/2020/04/18/uwm-helping-fight-against-covid-19-on-several-fronts/>

Spectrum News TV interview

<https://spectrumnews1.com/wi/milwaukee/coronavirus/2020/04/08/new-wisconsin-study-tracks-people-with-coronavirus-symptoms>

Lake Effect radio show of WUWM

<https://www.wuwm.com/post/tuesday-lake-effect-april-election-covid-19-online-survey-milwaukee-day-eye-health>

## **2020. General COVID-19**

WISN TV interview on testing and public health response

<https://www.wisn.com/article/coronavirus-state-wants-to-see-drop-in-percentage-of-positive-cases-of-those-tested/32258806#>

Journal Sentinel online about assessing impact of in-person voting

<https://www.jsonline.com/story/news/2020/04/22/covid-19-hasnt-spiked-after-wisconsin-election-experts-urge-caution/2997394001/>

## **2019. Radio interview about air pollutants and neurodevelopment (30 minutes) on “UWM Today” at Milwaukee NPR Affiliate WUWM**

<https://www.wuwm.com/post/uwm-professor-study-whether-air-pollution-causes-autism?fbclid=IwAR3xYzPyrHqSPQmZy9XO8UXbWzTn-MPF6nrWV-KqAja-DATBd3VyzEMMjA#stream/0>

## **2018. Interviewed for online media article of STAT News, covering the publication of two new articles on air pollution and autism (Liew, Pagalan). “Exposure to air pollution during pregnancy or early life linked to autism diagnosis” (Karen Weintraub)**

<https://www.statnews.com/2018/11/19/pollution-pregnancy-autism-vancouver/>

## **2018. Interviewed for online media piece: “Environmental risk for autism, explained” (Sarah DeWeerd)**

<https://www.spectrumnews.org/news/environmental-risk-autism-explained/>

## **2018. Media coverage of my publication on 155 air toxics and autism using AGRE**

Featured in Science Selections of Environmental Health Perspectives, in article titled: Air Toxics and ASDs: Continuing the Search for Environmental Risk Factors”

Featured in a podcast of the Autism Science Foundation (Alycia Halladay)

<https://autismsciencefoundation.org/news/topic/amy-kalkbrenner/>

**2017. Vaccines and Autism. Interviewed for Podcast “Science Vs.”, episode titled “Vaccines, Are They Safe?”**

<https://gimletmedia.com/episode/vaccines-are-they-safe/>

**2017. Media coverage of receipt of R01 funding for air pollution and autism/ADHD**

Local ABC TV taped interview segment on nightly news

<http://www.wisn.com/article/uwm-scientists-receive-grant-to-study-link-between-air-pollution-autism-adhd/9241756>

Local CBS online story

<http://www.cbs58.com/story/35060996/uw-milwaukee-awarded-a-23-million-grant-to-study-autism-and-air-pollution-connection>

**2015. Environment and autism. Quoted in in-depth article: “Why don’t we know what environmental factors cause autism?”**

Spectrum News

<https://spectrumnews.org/features/why-dont-we-know-what-environmental-factors-cause-autism/>

Slate

[http://www.slate.com/articles/health\\_and\\_science/medical\\_examiner/2015/11/what\\_cause\\_s\\_autism\\_environmental\\_risks\\_are\\_hard\\_to\\_identify.html](http://www.slate.com/articles/health_and_science/medical_examiner/2015/11/what_cause_s_autism_environmental_risks_are_hard_to_identify.html)

**2014. Publication of particulate matter and autism.**

Online story “Highway to Autism” at OZY.

<http://www.ozy.com/fast-forward/highway-to-autism/37073>

Radio interview (30 minutes) on “UWM Today” at Milwaukee NPR Affiliate WUWM

<http://wuwm.com/post/link-between-air-pollution-and-autism>

Live TV interview on “Wisconsin Tonight”, TMJ4

<http://www.jrn.com/tmj4/shows/wisconsin-tonight/UWM-researcher-finds-link-between-autism-and-air-pollution-280361342.html>

UWM Press Release

[http://www5.uwm.edu/news/2014/10/15/uwm-researcher-adds-to-evidence-linking-autism-to-air-pollutants/ - .VFgU6 nF-So](http://www5.uwm.edu/news/2014/10/15/uwm-researcher-adds-to-evidence-linking-autism-to-air-pollutants/- .VFgU6 nF-So)

Medscape

<http://www.medscape.com/viewarticle/833653?src=rss>

Epoch Times

<http://www.theepochtimes.com/n3/1057612-fourth-study-finds-traffic-pollution-may-cause-autism/>

Autism Daily Newscast

<http://www.autismdailynewscast.com/university-of-wisconsin-milwaukee-researcher-finds-link-between-air-pollution-and-autism/17484/ad/>

## **2012. Publication of maternal smoking and autism.**

Milwaukee Journal Sentinel

<http://www.jsonline.com/blogs/news/148764885.html>

Milwaukee Business Journal

<http://www.bizjournals.com/milwaukee/news/2012/04/25/uwm-links-smoking-to-autism.html>

United Press International

[http://www.upi.com/Health\\_News/2012/04/30/Autism-disorder-may-have-link-to-smoking/UPI-68581335821609/](http://www.upi.com/Health_News/2012/04/30/Autism-disorder-may-have-link-to-smoking/UPI-68581335821609/)

Eurekalert

[http://www.eurekalert.org/pub\\_releases/2012-04/uow--sel042612.php](http://www.eurekalert.org/pub_releases/2012-04/uow--sel042612.php)

EmaxHealth

<http://www.emaxhealth.com/1020/autism-and-smoking-during-pregnancy-there-link>

Daily Mail

<http://www.dailymail.co.uk/health/article-2136012/Autism.html>

## **2011. Participated in Press Release of report by Wisconsin Environment: “Danger in the Air: Unhealthy Air Days in 2010 and 2011”**

TV interview – ABC affiliate

## **2003. Interviewed for “The Secret Life of Lead”, the NPR audio series “Living on Earth”**

NPR Audio

<http://www.loe.org/series/lead2003/>