

**Kristen Lyall, Sc.D.**

**Curriculum Vitae**

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**Contact information**

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**EDUCATION**

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- 9/2004-3/2010 Sc.D., Epidemiology; Minor: Biostatistics; Focus: Psychiatric Epidemiology  
Harvard School of Public Health, Boston, MA  
Thesis topic: Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II.
- 9/1997-5/2001 B.A., Biology and Psychology, Middlebury College, Middlebury, VT  
*Cum Laude*, High honors for thesis research

**Postdoctoral Training**

- 9/2012-4/2014 Postdoctoral Fellow, Department of Public Health Sciences, University of California Davis, Davis, CA
- 9/2010-9/2012 Postdoctoral Fellow, Autism Research Training Program, University of California, Davis MIND Institute, Sacramento, CA
- 4/2010-9/2010 Postdoctoral Research Fellow, Department of Nutrition, Harvard School of Public Health, Boston, MA

**CAREER**

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- 7/2015- Assistant Professor, Drexel University, Philadelphia, PA  
Faculty in the AJ Drexel Autism Institute program in Modifiable Risk Factors
- 5/2014-6/2015 Research Scientist III, Environmental Health Investigations Branch,  
California Department of Public Health, Richmond, CA
- 9/2010-5/2014 Visiting Scientist, Department of Nutrition, Harvard School of Public Health,  
Boston, MA
- 9/2008-4/2010 Project Coordinator, "Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II." Funded by USAMRMC DoD. PIs: Ascherio, Santangelo, Weisskopf. Boston, MA
- 9/2007-12/2009 Project Coordinator, "Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II- A pilot study." Funded by Autism Speaks. PI: Ascherio. Boston, MA
- 7/2002-9/2004 Research Assistant, Massachusetts General Hospital Psychiatric and Neurodevelopmental Genetics Unit, Boston, MA

**SCHOLARSHIP**

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**Awards and Distinctions**

2013	Travel Award, Environmental Epidemiology Autism Research Network, IMFAR
2012	Travel Award, Environmental Epidemiology Autism Research Network, IMFAR
2010	Student Travel Award, IMFAR
3/2008-3/2010	Fellowship Awardee, Autism Speaks Predoctoral Fellowship Grant
9/2002-9/2004	Fellowship Awardee, NIMH Training Grant (T32) in Psychiatric Epidemiology
2001	Cum Laude, Middlebury College
2001	High Honors, Biology thesis, Middlebury College
1996-1997	Cum Laude Society

**Publications** (*Listed from most recent; \* indicates trainees*)

1. Patti M., Newschaffer C.J., Eliot M., Hamra G., Chen A., Croen L.A., Fallin M.D., Hertz-Picciotto I., Kalloo G., Khoury J.C., Lanphear B., **Lyll K.**, Yolton K., Braun J. (2021) Gestational exposure to phthalates and social responsiveness scores in children using quantile regression: The EARLI and HOME studies. *Int. J. Environ. Res. Public Health*. 18(3), 1254; <https://doi.org/10.3390/ijerph18031254>
2. Terloyeva D., Frey J., Park B.Y., Kauffman E.M., Mathew L., Bostwick A.\*, Varner E.L., Lee B.K., Croen L.A., Fallin M.D., Hertz-Picciotto I., Newschaffer C.J., **Lyll K.**, Snyder N.W. Meconium androgens are correlated with ASD-related phenotypic traits in early childhood. *Molecular Autism*. Mol Autism. 2020 Nov 23;11(1):93. doi: 10.1186/s13229-020-00395-6.
3. \*Zhong C., \*Tsessing J., Lee B.K., **Lyll K.** Maternal dietary factors in association with autism spectrum disorder: A review of the evidence. *Autism Res*. 2020 Oct;13(10):1634-1658. doi: 10.1002/aur.2402.
4. Windham G.C., Pearl M., Poon V., Berger K., Soriano J., Eyles D., **Lyll K.**, Kharrazi M., Croen L.A. Maternal vitamin D levels during pregnancy in association with autism spectrum disorders or intellectual disability in offspring: Exploring non-linear patterns and demographic subgroups. *Autism Res*. 2020 Dec;13(12):2216-2229. doi: 10.1002/aur.2424. Epub 2020 Nov 2. PMID: 33135392
5. Mordaunt C., Jianu J., Laufer B., Zhu Y., Dunaway K., Bakulski K., Feinberg J., Volk H., **Lyll K.**, Croen L., Newschaffer C., Ozonoff S., Hertz-Picciotto I., Fallin M.D., Schmidt R.J., Lasalle J. Cord blood DNA methylome in newborns later diagnosed with autism spectrum disorder reflects early dysregulation of neurodevelopmental and X-linked genes. *Genome Med*. 2020 Oct 14;12(1):88. doi: 10.1186/s13073-020-00785-8. PMID: 33054850
6. **Lyll K.**, Hosseini M., Ladd-Acosta C., Ning X., Catellier D., Constantino J.C., Croen L.A., Kaat A., Botteron K., Bush N.R., Dager S.R., Duarte C.S., Fallin M.D., Hazlett H., Hertz-Picciotto I., Joseph R.M., Karagas M.R., Korrick S., Landa R., Messinger D., Oken E., Ozonoff S., Piven J., Pandey J., Sathyanarayana S., Schultz R.T., St. John T., Schmidt R.J., Volk H.E., Newschaffer C.J. Distributional properties and criterion validity of a shortened version of the Social Responsiveness Scale: Results from the ECHO program and implications for social communication research. *J Autism Dev Disord*. 2020 Sep 17. doi: 10.1007/s10803-020-04667-1. Online ahead of print.
7. \*Bostwick A., Snyder N.W., Windham G.C., Whitman C., Pearl M., Robinson L., Newschaffer C.J., **Lyll K.** Polyunsaturated fatty acids in newborn bloodspots: Associations with autism spectrum disorder and correlation with maternal serum levels. *Autism Res*. 2020 Sep;13(9):1601-1613. doi: 10.1002/aur.2365. Epub 2020 Sep 8.
8. \*Vecchione R., \*Vigna C., \*Whitman C., Kauffman E.M., Braun J.M., Chen A., Xu Y., Hamra G.B., Lanphear B., Yolton K., Croen L.A., Fallin M.D., Hertz-Picciotto I., Newschaffer C.J., **Lyll K.** Prenatal fish intake in association with autism-related outcomes: Results from the EARLI and HOME studies. *J Autism Dev Disord*. 2021 Feb;51(2):487-500. doi: 10.1007/s10803-020-04546-9. PMID: 32519188

9. **Lyll K.**, Windham G.C., Snyder N., Kuskvsky R., Peining X., \*Bostwick A., Robinson L., Newschaffer C.J. Maternal serum polyunsaturated fatty acid levels in association with autism spectrum disorder: Results from a population-based case control study in California. *American Journal of Epidemiology*. 2021 Feb 1;190(2):265-276. doi: 10.1093/aje/kwaa171.
10. **Lyll K.**, Song L., Botteron K., Croen L.A., Dager S.R., Fallin M.D., Hazlett H.C., Kauffman E., Landa R., Ladd-Acosta C., Messinger D.S., Ozonoff S., Pandey J., Piven J., Schmidt R.J., Schultz R.T., Stone W.L., Newschaffer C.J., Volk H.E. The association between parental age and autism-related outcomes in children at high familial risk for autism. *Autism Research*. April 21 (online) doi 10.1002/aur.2303
11. Schantz S.L., Eskenazi B., Buckley J.P., Braun J., Sprowles J., Bennett D., Cordero J., Frazier J., Lewis J., **Lyll K.**, Sagiv S., Strousstrup A., Volk H., Watkins D. for the program collaborators for Environmental influences on Child Health Outcomes. (2020). A Framework for Assessing the Impact of Chemical Exposures on Neurodevelopment in ECHO: Opportunities and Challenges. *Environmental Research*. May 23;188:109709. doi: 10.1016/j.envres.2020.109709.
12. Buckley J., Barrett E.S., Beamer P.I., Bennett D., Bloom M.S., Fennell T.R., Fry R.C., Funk W.E., Hamra G.B., Hecht S.S., Kannan K., Iyer R., Karagus M.R., **Lyll K.**, Parson P.J., Pellizzari E.D., Signes-Pastor A.J., Starling A.P., Wang A., Watkins D.J., Zhang M., Woodruff T.J. on behalf of ECHO. (2020). Opportunities for evaluating chemical exposures and child health: the Environmental influences on Child Health Outcomes (ECHO) Program. *Journal of Exposure Science and Environmental Epidemiology*. 30: 397-419. doi: 10.1038/s41370-020-0211-9.
13. Traglia M., Windham G.C., Pearl M., Poon V., Eyles D., Jones K.L., **Lyll K.**, Kharrazi M., Croen L.A., Weiss L.A. (2020). Genetic contributions to maternal and neonatal vitamin D levels. *Genetics*. doi: 10.1534/genetics.119.302792.
14. Ames J., Windham G.C., **Lyll K.**, Pearl M., Kharrazi M., Yoshida C.K., Van de Water J., Croen L.A. (2020). Neonatal thyroid stimulating hormone and subsequent diagnosis of autism spectrum disorder and intellectual disability. *Autism Research*. 13(3):444-455. PMID 32047095.
15. Windham G.C., Pearl M., Anderson M.C., Poon V., Eyles D., Jones K.L., **Lyll K.**, Kharrazi M., Croen L.A. (2019). Newborn vitamin D levels in relation to autism spectrum disorders and intellectual disability: A case-control study in California. *Autism Research*. 12(6):989-998.
16. Hamra G.B., **Lyll K.**, Windham G.C., Calafat A.M., Sjodin A., Volk H., Croen L.A. (2019). Prenatal exposure to endocrine disrupting chemicals in relation to autism spectrum disorder and intellectual disability. *Epidemiology*. 30(3):418-426.
17. Windham G.C., Anderson M., **Lyll K.**, Bradley C., Croen L.A., Daniels J., Kral T., Levy S., Schieve L., Young L. (2019). Maternal pre-pregnancy BMI and pregnancy weight gain in relation to autism spectrum disorder in offspring. 12(2):316-327. PMID 30575327.
18. Roberts A.L., Liew Z., **Lyll K.**, Ascherio A., Weisskopf M.G. (2018). Association of maternal exposure to childhood abuse with elevated risk for Attention Hyperactivity Disorder in offspring. *American Journal of Epidemiology*. 187(9):1896-1906. PMID 29762636.
19. **Lyll K.**, Yau V.M., Hansen R., Kharrazi M., Yoshida C.K., Calafat A.M., Windham G., Croen L.A. (2018). Prenatal Maternal Serum Concentrations of Per- and Polyfluoroalkyl Substances in Association with Autism Spectrum Disorder and Intellectual Disability. *Environmental Health Perspectives*. 126(1):017001. PMID 29298162.
20. Strøm M., Granström C., **Lyll K.**, Ascherio A., & Olsen S. (2018). Research Letter: Folic acid supplementation and intake of folate in pregnancy in relation to offspring risk of autism spectrum disorder. *Psychological Medicine*, 48(6): 1048-1054. doi:10.1017/S0033291717002410

21. DeVilbiss E.A., Magnusson C., Gardner R.M., Rai D., Newschaffer C.J., **Lyll K.**, Dalman C., Lee B.K. (2017). Antenatal nutritional supplementation and autism spectrum disorders in the Stockholm youth cohort: population based cohort study. *British Medical Journal*. Oct 4; 359. PMID 28978695.
22. Xie S., Heuvelman H., Magnusson C., Rai D., **Lyll K.**, Newschaffer C.J., Dalman C., Lee B.K., Abel K. (2017). Prevalence of Autism Spectrum Disorders with and without Intellectual Disability by Gestational Age at Birth in the Stockholm Youth Cohort: a Register Linkage Study. *Pediatric and Perinatal Epidemiology*. 31(6):586-594. PMID 28898924.
23. **Lyll K.**, Croen L.A., Weiss L.A., Kharrazi M., Traglia M., Yoshida C.K., Windham G.C. (2017) Prenatal serum concentrations of brominated flame retardants and autism spectrum disorder and intellectual disability in the Early Markers of Autism Study: A population-based case control study in California. *Environmental Health Perspectives*. 125(8):087023. PMID 28895873.
24. Hoffman K., Weisskopf M., Roberts A.L., Raz R., Hart J.E., **Lyll K.**, Hoffman E.M., Laden F., Vieira V. (2017). Geographic patterns of autism spectrum disorder among children of Nurses' Health Study II women. *American Journal of Epidemiology*. 186(7):834-842. PMID 28525627.
25. Roberts A., **Lyll K.**, Weisskopf M.G. (2017). Maternal exposure to childhood abuse is associated with mate selection: Implications for autism in offspring. *Journal of Autism and Developmental Disorders*. 47(7):1998-2009.
26. Traglia M., Croen L.A., **Lyll K.**, Windham G.C., Sjodin A., Kharrazi M., DeLorenze G.N., Torres A.R., Weiss L.A. (2017). Independent maternal and fetal genetic effects on mid-gestational circulating levels of environmental pollutants. *Genes, Genomes, Genetics*. 7(4):1287-1299. PMID 28235828.
27. **Lyll K.**, Croen L.A., Daniels J., Fallin M.D., Ladd-Acosta C., Lee B.K., Park B.Y., Snyder N.W., Schendel D., Volk H., Windham G.C., Newschaffer C.J. (2017). The changing epidemiology of autism spectrum disorders. *Annual Review of Public Health*. 38:81-102. PMID 28068486.
28. **Lyll K.**, Schweitzer J.B., Solomon M., Schmidt R.J., Hertz-Picciotto I. (2017). Inattention and hyperactivity in association with autism spectrum disorders in the CHARGE study. *Research in Autism Spectrum Disorders*. 35: 1-12. PMID 29276530.
29. **Lyll K.**, Anderson M., Kharrazi M., Windham G.C. (2016). Neonatal thyroid hormone levels in association with autism spectrum disorder. *Autism Research*. 10(4):585-592. doi: 10.1002/aur.1708
30. **Lyll K.**, Croen L.A., Sjödin A., Yoshida C.K., Zerbo O., Kharrazi M., Windham G.C. (2016). Polychlorinated Biphenyl and Organochlorine Pesticide Concentrations in Maternal Mid-Pregnancy Serum Samples: Association with Autism Spectrum Disorder and Intellectual Disability. *Environmental Health Perspectives*. 125(3):474-480.
31. Windham G.C., **Lyll K.**, Anderson M., Kharrazi M. (2016). Maternal mid-pregnancy serum hormone and protein markers in association with autism spectrum disorders: Results from California prenatal screening. *Journal of Autism and Developmental Disorders*. 46(2):478-88.
32. Roberts A.L., **Lyll K.**, Rich-Edwards J.W., Ascherio A., Weisskopf M.G. (2016). Maternal exposure to intimate partner abuse before birth is associated with autism spectrum disorder in offspring. *Autism*. Jan;20(1):26-36.
33. Roberts A.L., Koenen K., **Lyll K.**, Robinson E.B., Weisskopf M.G. (2015). Association of autistic traits in adulthood with childhood abuse, interpersonal victimization, and posttraumatic stress. *Child Abuse and Neglect*. 45:135-42.
34. **Lyll K.**, Van de Water J., Ashwood P., Hertz-Picciotto I. (2015). Asthma and allergies in children with autism spectrum disorders: Results from the CHARGE study. *Autism Research* 8(5):567-74.
35. Raz R., Roberts A.L., **Lyll K.**, Hart J.E., Just A.C., Laden F., Ascherio A., Weisskopf M.G. (2015). Autism spectrum disorder and particulate matter air pollution before, during, and after pregnancy: A nested case-control study within the Nurses' Health Study II. *Environmental Health Perspectives*. 123(3):264-70.

36. Jussila K., **Lyll K.**, Kuusikko S., Mattila M., Pollock-Wurman R., Hurtig T., Joskitt L., Ebeling H., Moilanen I., Pauls D. (2015). Autistic traits in first-degree family members of children with autism spectrum disorders. *Scandinavian Journal of Child and Adolescent Psychiatry and Psychology*. 3(2):126-135.
37. Shumer D.E., Roberts A.L., Reisner S.L., **Lyll K.**, Austin S.B. (2015). Brief report: Autistic traits in mothers and children associated with child's gender nonconformity. *Journal of Autism and Developmental Disorders*. 45(5):1489-94.
38. **Lyll K.**, Constantino J., Ascherio A., Weisskopf M., Santangelo S.L. (2014). Parental social responsiveness and risk of autism spectrum disorder in offspring. *JAMA Psychiatry*. 71(8):936-42.
39. Schmidt RJ, **Lyll K.**, Hertz-Picciotto I. (2014). Environment and Autism: Current State of the Science. *Cutting Edge Psychiatry Practice*. Summer; 1(4):21-38.
40. Roberts A.L., Koenen K.C., **Lyll K.**, Ascherio A., Weisskopf M.G. (2014). Women's posttraumatic stress symptoms and autism spectrum disorder in their children. *Res Autism Spectr Disord*. 8(6):608-616.
41. **Lyll K.**, Schmidt R., Hertz-Picciotto I. (2014). Maternal Lifestyle and Environmental Risk Factors for Autism Spectrum Disorders. *International Journal of Epidemiology*. 43(2):443-64.
42. **Lyll K.**, Van de Water J., Ashwood P., Hertz-Picciotto I. (2013). Maternal immune-mediated conditions, autism spectrum disorders, and developmental delay. *Journal of Autism and Dev Disorders*. 44(7):1546-55.
43. Roberts A.L., **Lyll K.**, Hart J.E., Laden F., Just A.C., Bobb J.F., Koenen K.C., Ascherio A., Weisskopf M.G. (2013). Perinatal air pollutant exposures and autism spectrum disorder in the children of Nurses' Health Study II participants. *Environmental Health Perspectives*, 121(8):978-84.
44. **Lyll K.**, Baker A., Hertz-Picciotto I., Walker C. (2013). Infertility and its treatments in association with autism spectrum disorders: A review and results from the CHARGE study. *International Journal of Environmental Research in Public Health*, 10(8):3715-34.
45. **Lyll K.**, Munger K., O'Reilly E., Santangelo S.L., Ascherio A. (2013). Maternal dietary fat and fatty acid intake and autism spectrum disorders. *American Journal of Epidemiology*, 178(2):209-20.
46. Roberts A.L., **Lyll K.**, Rich-Edwards J.W., Ascherio A., Weisskopf M.G. (2013) Association of maternal exposure to childhood abuse with elevated risk for autism in offspring. *Journal of the American Medical Association Psychiatry*, 70(5):508-15.
47. **Lyll K.**, Pauls D.L., Santangelo S., Speigelman D., Ascherio A. (2012). Fertility therapies, infertility, and autism spectrum disorders in the Nurses' Health Study II. *Paediatric and Perinatal Epidemiology*, Jul;26(4):361-72.
48. **Lyll K.**, Pauls D.L., Santangelo S., Speigelman D., Ascherio A. (2011). Maternal early life factors associated with hormone levels and the risk of having a child with an autism spectrum disorder in the Nurses Health Study II. *Journal of Autism and Developmental Disorders*. 41 (5):618-627.
49. **Lyll K.**, Pauls D.L., Speigelman D., Ascherio A., Santangelo S. (2011). Pregnancy complications and obstetric suboptimality as risk factors for autism spectrum disorders in children of the Nurses' Health Study II. *Autism Research*, 5(1):21-30.
50. Gao X., **Lyll K.**, Palacios N., Walters A.S., Ascherio A. (2011). RLS in middle age women and attention deficit/hyperactivity disorder in their offspring. *Journal of Sleep Medicine*, 12 (1): 89-91.

#### **Preprints and manuscripts under review:**

1. **Lyll K.**, Ames J., Pearl M., Traglia M., Weiss L.A. , Windham G.C., Kharrazi M., Yoshida C.K., Yolken R., Volk H.E., Ashwood P., Van de Water J., Croen L.A. A profile and review of findings from the Early Markers of Autism Study: Unique contributions from a population-based case-control study in California. *Under review at Molecular Autism*.

2. Patti M., Li N., Eliot M., Newschaffer C.J., Yolton K., Chen A., Lanphear B., **Lyall K.**, Hertz-Picciotto I., Fallin M.D., Croen L.A., Braun J. Prenatal caffeine exposure and social responsiveness scores in early childhood. *Under Review at PLOS One*.
3. Vivanti G., Tao S., **Lyall K.**, Robins D.L., Shea L.L. The prevalence and incidence of early-onset Alzheimer's disease and related dementias among Medicaid-enrolled adults with autism spectrum disorder. *Under review at JAMA Psychiatry*.
4. Muschi R., Karagas M., Korrick S., O'Shea M., Ladd-Acosta C., Schmidt R.J., **Lyall K.**, Croen L.A., Hertz Picciotto I. for the ECHO program. The relationship between maternal prenatal tobacco smoking and autism spectrum disorder diagnosis and quantitative traits. *Under review at JADD*.

## Chapters

1. \*Mathew L, \*Kauffman E, Schmidt R, Hertz-Picciotto I, **Lyall K.** (2018). Environmental Risk Factors for Autism. In F.R. Volkmar (Ed.), *Encyclopedia of Autism Spectrum Disorders* (pp.1-14). New York, NY: Springer New York.
2. **Lyall K**, Schmidt R, Hertz-Picciotto I. (2014). Environmental Factors in Autism. In F. Volkmar, R. Paul, S.J. Rogers, K.A. Pelphrey (Eds): *Handbook of Autism and Pervasive Developmental Disorders, Fourth Edition: Assessment, Interventions, Policy, the Future*. Hoboken NJ: John Wiley & Sons.
3. **Lyall K**, Gardener H. (2014). Perinatal factors in Autism Epidemiology: Obstetric and Neonatal Complications. In V. Patel, V. Preedy, C. Martin (Eds): *The Comprehensive Guide to Autism*. Springer-Verlag.
4. **Lyall K**, Schmidt R, Hertz-Picciotto I. (2012). The Environment in Autism Spectrum Disorders. In J. Buxbaum, P. Hof (Eds): *The Neuroscience of Autism Spectrum Disorders*. Amsterdam: Academic Press.
5. **Lyall K** and Pauls D. Inheritance of mental illness. *Encyclopedia of Neuroscience*, 3<sup>rd</sup> edition, Elsevier Science, 2003.

## Presentations (First author and trainee-led only listed)

### Conference poster and abstract presentations

1. \*Zhong C, Kauffman E, Shah R, Salafia C, Croen LA, Fallin MD, Hertz-Picciotto I, Walker CK, Newschaffer C, **Lyall K.** (2020). Placental morphology in association with autism-related traits in the EARLI study. Abstract e-presentation (due to COVID-19) at International Society for Autism Research (INSAR), May 2020.
2. \*Vigna C, \*Vecchione R, \*Whitman C, Braun J, Chen A, Hamra GB, Lanphear B, Yolton K, Croen LA, Fallin MD, Hertz-Picciotto I, Kauffman E, Xu Y, Newschaffer C, **Lyall K.** (2020). Maternal fish intake during pregnancy in association with child autism-related traits. Abstract e-presentation at INSAR.
3. \*Kauffman E, \*Whitman C, Snyder N, Stephen Melnyk, Newschaffer C, **Lyall K.** Association of maternal plasma biomarkers of oxidative stress with autism-related traits in the EARLI study. Abstract e-presentation, INSAR, May 2020.
4. \*Vecchione R, Zhong C, Schmidt RJ, Croen LA, Fallin MD, Hertz-Picciotto I, Newschaffer CJ, **Lyall K.** (2020). Maternal dietary patterns in association with child autism-related traits. Abstract e-presentation, INSAR, May 2020.
5. \*Mathew L, Snyder NW, **Lyall K**, Lee BK, Fallin MD, Croen LA, Hertz-Picciotto I, Newschaffer CJ. (2020). Association of prenatal phthalate exposure with autism phenotype: Exposure measurement in maternal urine and meconium. Abstract e-presentation, INSAR, May 2020.
6. **Lyall K**, Hosseini M, Ladd-Acosta C, Constantino JC, Croen LA, Kaat A, Fallin MD, Hazlett H, Hertz-Picciotto I, Landa R, Messinger D, Ozonoff S, Piven J, Pandey J, Schultz RT, Newschaffer CJ. (2020).

Distributional Properties and Criterion Validity of a Shortened Version of the Social Responsiveness Scale: Implications for Quantitative Trait Research. Abstract e-presentation, INSAR, May 2020.

7. **Lyall K**, Kauffman E, Fallin MD, Ladd-Acosta C, Volk HE, Croen LA, Dager S, Hazlett H, Landa R, Messinger D, Ozonoff S, Piven J, Newschaffer CJ. (2020). Quantitative Trait Score Anomalies in ASD-Enriched Risk Families: Discrepancies between Social Responsiveness Scale T-Score and ASD Case Status in Younger Siblings of ASD Probands. Abstract e-presentation, INSAR, May 2020.
8. **Lyall K**, Windham GC, Whitman C, Snyder N, Newschaffer C. (2019). Neonatal levels of polyunsaturated fatty acids in association with autism spectrum disorder. Society for Pediatric and Perinatal Epidemiologic Research (SPER), Minneapolis, MN. June 2019.
9. **Lyall K**, Windham GC, Snyder N, Whitman C, Newschaffer C. (2019). Neonatal levels of polyunsaturated fatty acids in association with autism spectrum disorder. INSAR, Montreal, Canada, May 2019.
10. **Lyall K**, Windham GC, Snyder N, Newschaffer C. (2018). Prenatal levels of polyunsaturated fatty acids in association with autism spectrum disorder. Society for Epidemiologic Research (SER), Baltimore, MD. June 2018.
11. **Lyall K**, Windham GC, Croen L. (2017). Prenatal levels of brominated flame retardants in association with autism spectrum disorder and intellectual disability: Potential sex differences. International Meeting for Autism Research (IMFAR), San Francisco, CA. May 2017.
12. **Lyall K**, Solomon M, Daniels J, Hertz-Picciotto I. (2013) Inattention and hyperactivity in association with autism spectrum disorders in the CHARGE study. IMFAR, San Sebastian, Spain, May 2013.
13. **Lyall K**, Munger S, Weisskopf M, Santangelo S, Ascherio A. (2012). Maternal dietary fat intake and autism spectrum disorders. International Society for Environmental Epidemiology (ISEE), Columbia, SC, August 2012.
14. **Lyall K**, Munger S, Weisskopf M, Santangelo S, Ascherio A. (2012). Maternal dietary fat intake and autism spectrum disorders. SER Annual Meeting, Minneapolis, MN, June 2012.
15. **Lyall K**, Ashwood P, Van de Water J, Hertz-Picciotto I. (2012). Maternal immune-mediated conditions in association with child immune-related outcomes and autism spectrum disorders. SER Annual Meeting, Minneapolis, MN, June 2012.
16. **Lyall K**, Munger S, Weisskopf M, Santangelo S, Ascherio A. (2012). Maternal dietary fat intake and autism spectrum disorders. IMFAR, Toronto, CA, May 2012.
17. **Lyall K**, Ashwood P, Van de Water J, Hertz-Picciotto I. (2012). Maternal immune-mediated conditions in association with child immune-related outcomes and autism spectrum disorders. IMFAR, Toronto, Canada, May 2012.
18. **Lyall K**, Ashwood P, Van de Water J, Hertz-Picciotto I. (2012) Asthma and allergies in children with autism spectrum disorders: Results from the CHARGE study. IMFAR, Toronto, Canada, May 2012.
19. **Lyall K**, Weisskopf M, Santangelo S, Pauls D, Spiegelman D, Ascherio A. (2011). Use of Fertility therapies in association with autism spectrum disorders in children of the Nurses' Health Study II. SER Annual Meeting, Montreal, QC, Canada, June 2011.
20. **Lyall K**, Weisskopf M, Santangelo S, Pauls D, Spiegelman D, Ascherio A. (2011). Use of Fertility therapies in association with autism spectrum disorders in children of the Nurses' Health Study II. IMFAR, San Diego, CA.
21. **Lyall K**, Weisskopf M, Santangelo S, Pauls D, Spiegelman D, Ascherio A. (2010). Pregnancy complications and obstetric suboptimality as risk factors for autism spectrum disorders in children of the Nurses' Health Study II. IMFAR, Philadelphia, PA, May 2010.
22. **Lyall K**, Weisskopf M, Santangelo S, Pauls D, Spiegelman D, Ascherio A. (2010). Association between ovulation inducing drug use, infertility, and autism spectrum disorders in the Nurses' Health Study II. SER Annual Meeting, Seattle, WA, June 2010.

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23. **Lyll K**, Weisskopf M, Santangelo S, Pauls D, Spiegelman D, Ascherio A. (2010). Pregnancy complications and obstetric suboptimality as risk factors for autism spectrum disorders in children of the Nurses' Health Study II. SER Annual Meeting, Seattle, WA, June 2010.

### **Conference oral presentations**

1. Measuring social communication and autistic traits using the Social Responsiveness Scale: Examining implications of shortening quantitative trait measures. Developmental Origins of Health and Disease (DOHaD) Society Meeting, Raleigh, NC, September 2019.
2. Prenatal levels of polyunsaturated fatty acids in association with autism spectrum disorder. International Society for Autism Research (INSAR), Rotterdam, Netherlands, May 2018.
3. Neonatal thyroid hormone levels in association with autism spectrum disorder. International Meeting for Autism Research (IMFAR), Baltimore, MD. May 2016.
4. Organochlorine chemical concentrations in maternal mid-pregnancy serum samples: Association with autism spectrum disorders in the Early Markers of Autism Study. IMFAR, Salt Lake City, UT, May 2015.
5. Familiarity of Social Responsiveness Scale Scores in the Nurses' Health Study II. Society for Epidemiologic Research (SER) Annual Meeting, Boston, MA, June 2013.
6. Familiarity of Social Responsiveness Scale Scores in the Nurses' Health Study II. IMFAR, San Sebastian, Spain, May 2013.
7. The epidemiology of autism spectrum disorders. Asperger's Association of New England (AANE), Boston, MA, Fall 2009.
8. Association between ovulation inducing drug use, infertility, and autism spectrum disorders in the Nurses' Health Study II. IMFAR, Philadelphia, PA, May 2010.

### **Academic series presentations**

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| 4/28/2020  | Presentation to the Neurodevelopment Working Group of ECHO.<br><i>Topic: Optimizing social communication measurement with the Social Responsiveness Scale: Results from an OIF award.</i>   |
| 11/13/2019 | Presentation to the Postdoctoral Fellows and Trainees Seminar, AJ Drexel Autism Institute, Drexel University, Philadelphia PA.<br><i>Topic: Careers in and out of academia.</i>   |
| 11/7/2019  | Presentation to the AJ Drexel Autism Institute Leadership Council, Philadelphia PA.<br><i>Topic: Modifiable Risk Factors Program: Goals and Research Overview.</i>  |
| 10/24/2019 | Presentation to the Early Detection and Intervention Program "Meet the Author" Journal Club, AJ Drexel Autism Institute, Drexel University, Philadelphia PA.<br><i>Topic: Epidemiologic investigation of environmental risk factors for ASD: Discussion of Lyll et al 2017 Environmental Health Perspectives. 125(3):474-480.</i> |
| 6/5/2019   | AJ Drexel Autism Institute Work in Progress (WIP) session.<br><i>Topic: ASD Quantitative trait scores in high-risk families: uncovering anomalies.</i>  |
| 11/12/2018 | AJ Drexel Autism Institute Work in Progress (WIP) session.<br><i>Topic: Maternal prenatal polyunsaturated fatty acid levels in association with offspring ASD: Results conundrums and what to do when findings don't present a clear picture.</i>   |



9/2015 AJ Drexel Autism Institute No Power Point Lunch series.  
*Topic: Environmental risk factors for ASD.*

### Grants and Contracts

3/1/2020-12/31/2024

NIH R01ES029511 \$219,706 (subcontract)  
Metals dysregulation, brain development, and autism disorder (PI: Volk)  
Role: Co-Investigator/site PI

3/1/2020-2/28/2021

Epidemiology Dept Pilot Funding \$10,000  
Development and validation of scores indexing pesticide residues in pregnant women (PI: Lyall)  
Role: PI

1/24/2020-10/31/2024

NIH R24ES030893 \$287,837 (subcontract)  
Expanding the value of the EARLI study: Small cohort with big data (PI: Fallin)  
Role: Co-Investigator/site PI

7/1/2019-6/30/2023

NIH R01NS107607-01A1 \$2,143,587  
Maternal epilepsy, anti-epileptic drug use during pregnancy, and risk of autism (PI: Lee)  
Role: Co-Investigator

4/1/2019-9/30/2021

Eagles Foundation \$285,000  
Maternal dietary patterns during pregnancy in association with autism and autism spectrum disorder traits  
Role: PI

8/15/2018-8/15/2021 (NCE)

NIH R21 HD096356-01 \$434,326  
Oxidative stress pathways and placental pathology in association with autism spectrum disorder and neurodevelopment (PI: Lyall)  
Role: PI

4/1/2018-2/29/21 (NCE)

NIH/ECHO OIF 1U2COD023375-02 \$103,355  
Optimizing social communication measurement with the Social Responsiveness Scale (PI: Lyall)  
Role: PI

9/15/2017-8/31/2021

NIH R01ES026903 \$1,449,247  
Prenatal exposure to endocrine disrupting chemical mixtures and ASD risk (PI: Newschaffer)  
Role: Co-Investigator

9/30/2016-8/31/2021

NIH R01ES025531 \$77,508 (subcontract)

Prenatal exposure to metals and risk for Autism Spectrum Disorder in MARBLES and EARLI (PI: Fallin)

Role: Co-Investigator

9/30/2016-9/30/2020 (NCE)

DoD/CDMRP/USAMRAA AR150143 \$518,857

Prenatal polyunsaturated fatty acid levels and risk of autism spectrum disorder (PI: Lyall)

Role: PI

09/21/2016 – 08/31/2023

NIH UH3OD023342 \$12,943,958

An ASD-Enriched Risk (ASD-ER) ECHO Cohort (PI: Newschaffer)

Role: Co-Investigator

6/01/2019-5/31/2021

NJ Governor's Council \$192,000 (subcontract)

Building a streamlined birth cohort to study autism risk factors and biomarkers (PIs: Librizzi, Newschaffer)

Role: Co-Investigator

7/1/2015-6/29/2021

NIH R01ES025574 \$14,262 (subcontract)

Folic acid prevention pathways for ASD in high-risk families (PI: Schmidt)

Role: Co-Investigator/site PI

## TEACHING AND MENTORING

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### Teaching Experience

#### ***Drexel University***

1/2020-3/2020, Co-Instructor, Advanced Epidemiology (4 credits)

1/2021-3/2021

10/2019 Invited discussant (2 sessions), Grant Writing Seminar, Drexel University, Philadelphia PA

Topics: Grant writing challenges and successes; Proposal review and feedback

9/2019-3/2020 Neurodevelopmental Epidemiology Research Group, Drexel University

Topics: Heritability of ASD, risk communication, environmental risk factors

10/2017 Guest lecturer, Epidemiologic Methods, Drexel University, Philadelphia PA

Topic: Cohort and longitudinal studies

10/2017 Guest speaker, Grant Proposal Writing Seminar, Drexel University, Philadelphia PA

Topic: Grant-writing advice and experiences

#### ***Additional teaching***

3/2017, 2/2019, Invited lecturer, Neuroepidemiology, Harvard School of Public Health, Boston  
2/2021 MA

Topic: The epidemiology of autism spectrum disorders.

10/2016 Guest lecturer, Philadelphia Neuropsychology Society, Drexel University

Topic: Risk Factors for Autism Spectrum Disorder: A focus on the Modifiable.

8/2013	Guest lecturer, UC Davis Child Psychiatry Residents course in ASD Topic: Environmental factors and the epidemiology of ASD
4/2012	Lecturer, Epidemiology sessions for postdoctoral students and residents in the Autism Research Training Program, UC Davis. Topics: Basic epidemiology, study design, and maternal reproductive risk factors for ASD.
1/2012	Guest lecturer, undergraduate autism group, UC Davis. Topic: Epidemiology of autism and prenatal risk factors for autism.
10/2010-5/2013	Guest lecturer, undergraduate journal club, UC Davis. Topics: Prenatal risk factors for autism spectrum disorders; Infertility and autism spectrum disorders; Meta-analysis of assisted reproductive therapies and developmental disorders; Environmental toxins and ASD; ADHD and ASD.
4/2011	Guest lecturer, SPH 255: Reproductive Epidemiology, UC Davis. Topic: Epidemiology and health outcomes of infertility and fertility therapies.
9/2008	Invited lecturer, Epidemiology of Psychiatric Disorders, Harvard School of Public Health. Topic: Autism: Diagnosis, epidemiology, and etiology.

*Teaching assistant, Harvard School of Public Health:*

2/2008-5/2008	Epidemiology 204: The Analysis of Case-Control and Cohort Studies Spring semester course, 100 students
10/2006-12/2007	Epidemiology 202: Elements of Epidemiologic Research Fall semester course, 100 students
9/05-10/06	Epidemiology 201: Principles of Epidemiology Fall semester course, 100 students
7/05-7/08	Epidemiology 236: Analytical Aspects of Clinical Epidemiology 2 month summer course, 50 students

**Mentoring**

9/2020-	Olivia Vessey, MPH Candidate in Epidemiology, Drexel University
9/2020-	Meghan Carey, PhD candidate in Epidemiology, Drexel University
5/2020-	Emily Joyce, MPH candidate in Epidemiology, Drexel University
1/2020-	Caichen Zhong, PhD candidate in Epidemiology, Drexel University
9/2019-	Rachel Vecchionne, PhD candidate in Epidemiology, Drexel University
1/2019-3/2020	Yaning Zhang, MPH in Epidemiology, Drexel University
8/2018-3/2020	Casey Whitman, MS in Biostatistics, Drexel University
2/2018-3/2019	Chelsea Vigna, MPH in Epidemiology, Drexel University
9/2012-9/2013	Yuanyuan Liu, M.S. candidate in epidemiology at Harvard School of Public Health. <i>Topic: Breastfeeding in association with autism.</i>
11/2011-9/2013	Chen Ying Wu, M.S. candidate in epidemiology at Harvard School of Public Health. <i>Topic: Jaundice in association with autism.</i>

**Dissertation Committees**

2/2021-	Caichen Zhong, PhD candidate in Epidemiology, Drexel University <i>Maternal psychotropic medications use during pregnancy and autism-related outcomes</i>
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	Proposed February 2021
	Committee Chair
1/2020-	Jessica Rast, PhD candidate in Epidemiology and Biostatistics, Drexel University <i>Risk and risk reduction of antiepileptic drug use during pregnancy</i>
	Committee member
	Proposed 2019
1/2019-5/2020	Leny Mathew, PhD candidate in Epidemiology and Biostatistics, Drexel University <i>Prenatal phthalate exposure and neurodevelopment</i>
	Committee Chair
	Defended May 2020
10/2017-5/2018	Sherlly Xie, PhD candidate in Epidemiology and Biostatistics, Drexel University, <i>Family Neurologic and Psychiatric History and the Risk of Autism Spectrum Disorder.</i>
	Defended May 2018
10/2016-5/2017	Elizabeth DeVilbiss, PhD candidate in Epidemiology and Biostatistics, Drexel University Quantifying relationships between maternal folate status and Autism Spectrum Disorders: examination of two European birth cohorts
	Defended May 2017
	Committee member
1/2015-6/2015	Jennifer Fairthorne, PhD candidate in Epidemiology, University of Western Australia <i>Pre-existing differences, health, and quality of life of mothers of children with autism spectrum disorder or intellectual disability</i>
	External reviewer
8/2013-9/2013	Kelly D. Getz, Ph.D. candidate in epidemiology, Boston University <i>Maternal Factors Shaping the Fetal Environment and the Occurrence of Autism Spectrum Disorders</i>
	External reviewer

## **SERVICE**

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### **Academic Service**

#### ***Service to Drexel University***

2/2021	Judge, Dornsife School of Public Health Case Competition
9/2019-	Co-Leader, Neurodevelopmental Epidemiology Research Group, Drexel University
2/2019-	Member, Director Search Committee, AJ Drexel Autism Institute, Drexel University
9/2018-	Graduate Committee, Department of Epidemiology, Drexel University Member, Graduate Admissions sub-committee
12/2018-	Member, Tenure Track Associate/Full Professor Program Leader in Modifiable Risk Factors Search Committee, AJ Drexel Autism Institute, Drexel University

#### ***Faculty advisor***

9/2020-	
9/2020-	Meghan Carey, PhD candidate in Epidemiology

1/2020-	Caichen Zhong, PhD candidate in Epidemiology
9/2019-	Rachel Vecchione, PhD candidate in Epidemiology
1/2019-3/2020	Yaning Zhang, MPH in Epidemiology
2/2018-3/2019	Chelsea Vigna, MPH in Epidemiology

*Faculty mentor and supervisor for two-year Research Assistantship at the AJDAI*

4/2020-	Emily Joyce, RAship
8/2018-3/2020	Casey Whitman, RAship

*Faculty and mentor and supervisor for AJDAI Internship*

10/2020-	Faith DiJulia, BA candidate at Penn State
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*Faculty advisor for Independent Study*

6/2019-8/2019	Caichen Zhong, Independent Study in Nutritional Epidemiology
4/2017-6/2017	Jillian Tessing, Independent Study in Nutritional Epidemiology

*Faculty preceptor*

9/2020-	Emily Joyce, MPH in Epidemiology <i>Food exposure to polychlorinated biphenyls and development of a food-based exposure score</i>
9/2020-	Anna Bostwick, BS/MPH in Public Health <i>Maternal prenatal cotinine levels and interactions with polyunsaturated fatty acids in association with ASD</i>
9/2020-	Ihunanya Nwoji, MPH in Public Health <i>Levels of polybrominated diphenyl ethers in association with diet: Correlations and associations with child neurodevelopment</i>
4/2019-12/2020	Caichen Zhong, MPH in Epidemiology <i>Placental morphology and vascular features in association with autism-related traits.</i>
9/2019-3/2020	Casey Whitman, MS in Epidemiology <i>Examining mediation by placental morphology in the relationship between prenatal oxidative stress and autism.</i>
8/2018-3/2019	Chelsea Vigna, MPH in Epidemiology <i>Maternal fish intake in association with autism-related traits in the EARLI and HOME studies.</i>
8/2018-3/2019	Raven Carter, MPH in Epidemiology <i>Neonatal polyunsaturated fatty acids in association with autism spectrum disorder.</i>
8/2018-3/2019	Olivia Judah, MPH in Epidemiology <i>Neonatal thyroid hormone levels in association with autism and neurodevelopment.</i>

***Service to Universities prior to Drexel***

4/2012	Epidemiology training unit planning, Autism Research Training Program, UC Davis
2007-2008	Autism Research Planning Group member, Harvard School of Public Health

**Professional Service**

Updated: February 2021

3/2019	Reviewer, NIH Special Emphasis Panel/Scientific Review Group, R01 proposals for PA-18-484
12/2018-	Reviewer, INSAR abstracts

**Peer Review***Manuscript reviewer for the following journals:*

2020	American Journal of Epidemiology, Environment International, Frontiers in Psychiatry, Journal of Autism and Developmental Disorders, JAMA, JAMA Psychiatry, Journal of Child Psychology and Psychiatry, Pediatrics, Research in Autism Spectrum Disorders, Neurotoxicology and Teratology
2019	American Journal of Epidemiology, Autism Research, Environmental Health Perspectives, Environment International, Epidemiology, Molecular Autism, New England Journal of Medicine, Pediatrics, Scientific Reviews, Human Reproduction
2018	Autism Research, British Medical Journal, Environmental Health Perspectives, Environmental Science and Pollution Research, International Journal of Environmental Research and Public Health, Journal of Autism and Developmental Disorders, Journal of Toxicology and Environmental Health, Lancet Psychiatry, Pediatrics, Pediatric and Perinatal Epidemiology, Research in Autism Spectrum Disorders
2017	American Journal of Epidemiology, Autism Research, Environmental Health Perspectives, Environment International, Environmental Toxicology and Chemistry, Internal Journal of Environmental Research in Public Health, JAMA Psychiatry, Journal of Autism and Developmental Disorders, Research in Developmental Disorders
2016	Environmental Health Perspectives, Environmental Research, Internal Journal of Environmental Research in Public Health, Journal of Neurodevelopmental Disorders
2015	Autism, Autism Research, British Journal of Nutrition, JAMA Pediatrics, Pediatric and Perinatal Epidemiology, Molecular Psychiatry
2014	Clinico Economics and Outcomes Research, Journal of Autism and Developmental Disorders, JAMA Psychiatry, Pediatrics
2013	British Journal of Psychiatry, Journal of Autism and Developmental Disorders, Journal of Neurodevelopmental Disorders, Human Reproduction
2012	Autism Research, Environmental Health Perspectives
2011	Journal of Autism and Developmental Disorders

**Professional Society Memberships**

2013-2016	Bay Area Autism Consortium (BAAC)
2012-2014, 2018-	International Society for Environmental Epidemiology (ISEE)
2010-	International Society for Autism Research (INSAR)
2007-2014, 2018-	Society for Epidemiologic Research (SER)
2020-	Baby Siblings Research Consortium (BSRC)

**Leadership**

5/2020-	Co-Leader, Obesity and Diet Working Group Break-out Session, ECHO Program Topic: Multiple/combined early life exposures.
10/2019-	Co-Chair, Obesity and Diet Working Group, ECHO Program

Updated: February 2021

- 10/2019- Leader, Neurodevelopmental Working Group Break-out Session, ECHO Program  
Topic: Comparisons of neurodevelopmental quantitative traits and diagnoses.
- 1/2021- Editorial Board Member, ECHO Discovery Series
- 1/2021- Planning Team Member, Division of Extramural Research and Training (DERT) of the National Institute of Environmental Health Sciences (NIEHS) Workshop on *Maternal Diet and Nutrition: magnifying and mitigating the effects of other environmental risks for autism spectrum disorder*

**Media and Press**

- 10/20 Quoted in Philadelphia Inquirer's article on Halloween safety during COVID-19.  
<https://www.inquirer.com/things-to-do/halloween-2020-coronavirus-ideas-costumes-trick-or-treating-safety-20201005.html>
- 6/2020 Included as one of 150 autism researchers in "Understanding a decade of collaborations in autism science," with 13 links noted and a link strength of 16. Spectrum News. <https://www.spectrumnews.org/news/researcher-connections-understanding-a-decade-of-collaborations-in-autism-research/>
- 5/2020 Video for the AJ Drexel Autism Institute's Facebook page discussing epidemiology and the current pandemic  
<https://www.facebook.com/AJDrexelAutismInstitute/videos/610509332885297/>
- 5/2020 Commentary on Bai et al., 2020 Biological Psychiatry. HealthDay. <https://consumer.healthday.com/cognitive-health-information-26/autism-news-51/uncles-aunts-may-influence-a-child-s-odds-for-autism-758007.html>
- 5/2020 Media coverage of Lyall et al., 2020 AUR. Autism Science Foundation, weekly podcast. <https://asfpodcast.org/archives/985>
- 4/2019 Meet the Expert. Drexel News Blog. <https://newsblog.drexel.edu/2019/04/24/autism-awareness-month-meet-the-expert-kristen-lyall-modifiable-risk-factor-researcher/>
- 3/2019 Commentary on Hviid et al., 2019 Annals of Internal Med. Live Science. <https://www.livescience.com/64909-measles-vaccine-not-linked-to-autism.html>
- 8/2018 Commentary on Brown et al, 2018 Am J Psychiatry and Lyall et al, 2017 EHP. <https://www.ehn.org/pesticide-ddt-linked-to-autism-2596392306.html>
- 5/2018 Commentary on how pregnancy may shape a child's risk for autism. Spectrum news. <https://www.spectrumnews.org/features/deep-dive/pregnancy-may-shape-childs-autism/>
- 9/2017 Commentary on Zhang et al, 2017 JAMA Netw Open.

Insider. <https://www.insider.com/c-section-and-autism-rates-may-be-linked-study-finds-2019-9>

8/2016

*Media coverage of Lyall et al., 2017 EHP.*

Science Daily.

<https://www.sciencedaily.com/releases/2016/08/160823083317.htm>

*Media coverage of Lyall et al., 2017 EHP.*

Spectrum news. <https://www.spectrumnews.org/news/banned-toxins-in-mothers-blood-tied-to-autism-risk/>

*Media coverage of Lyall et al., 2017 EHP.*

HealthDay. <https://www.webmd.com/brain/autism/news/20160823/banned-pcb-chemicals-still-tied-to-autism-in-us-kids#1>

*Media coverage of Lyall et al., 2017 EHP.*

GeneNews. <https://www.genengnews.com/news/autism-risk-linked-to-banned-chemicals-not-vaccines/>

5/2010

*Media coverage of Lyall et al., 2010 IMFAR presentation.*

HealthDay.

<https://www.medicinenet.com/script/main/art.asp?articlekey=116435>

*Media coverage of Lyall et al., 2010 IMFAR presentation.*

TIME. <http://content.time.com/time/health/article/0,8599,1990567,00.html>

*Media coverage of Lyall et al., 2010 IMFAR presentation.*

Harvard Crimson. <https://www.thecrimson.com/article/2010/5/25/autism-children-fertility-women/>

### **Consulting and additional service**

2020-2021

COVID-19 Health Task Force Member, Bala House Montessori School, Bala Cynwyd, PA.

2012, 2015

Expert epidemiologist, litigation case regarding pharmacy error during pregnancy in mother of a child with autism.