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Department of Epidemiology and Biostatistics
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EDUCATION AND TRAINING

- PhD 2009 Johns Hopkins University, Bloomberg School of Public Health (Epidemiology)
- 1988 California State University at San Francisco (Secondary Education Teaching Credential in Life Sciences)
- BS 1987 University of California at Davis (Physiology)

PROFESSIONAL EXPERIENCE

- 2016 – present Department of Obstetrics and Gynecology, College of Medicine, Drexel University, Philadelphia, PA (Secondary Appointment, Assistant Research Professor)
- 2015 – present Maternal and Child Health Program, Dornsife School of Public Health, Drexel University, Philadelphia, PA (Core Faculty)
- 2012 – present A.J. Drexel Autism Institute, Drexel University, Philadelphia, PA (Research Fellow)
- 2009 – present Department of Epidemiology and Biostatistics, School of Public Health, Drexel University, Philadelphia, PA (Primary Appointment, Assistant Research Professor)
- 2006 – 2009 Department of Epidemiology and Biostatistics, School of Public Health, Drexel University, Philadelphia, PA (Sr. Project Coordinator)
- 2001 – 2006 Center for Autism and Developmental Disabilities Epidemiology, Department of Epidemiology, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD (Sr. Research Program Coordinator)
- 1995 – 2001 Center for Epidemiology and Policy, Department of Epidemiology, School of Hygiene and Public Health, Johns Hopkins University, Baltimore, MD (Research Assistant, 1995-1996; Program Coordinator, 1996-2001)
- 1989 – 1995 Health & Environmental Sciences Group, Ltd., Washington, DC (Research Associate, 1989-1990; Technical Research Coordinator, 1990-1992; Associate Scientist, 1992-1993; Sr. Associate Scientist, 1993-1995)

PROFESSIONAL ACTIVITIES

Consultations

Contributing Author, The Health Consequences of Involuntary Exposure to Tobacco Smoke: A Report of the Surgeon General, U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, Office of the Surgeon General, Atlanta, GA, 2006.

Consultant Editor, Urban Air Pollution and Health Inequities: A Workshop Report, American Lung Association, Washington, DC. Published in *Environmental Health Perspectives* 2001 Jun;109 Suppl 3:357-74.

Research Reviewer/Abstractor, Tobacco Prevention Evidence Review Team, Guide to Community Preventive Services Program, U.S. Centers for Disease Control and Prevention, Atlanta, GA. Published in *American Journal of Preventive Medicine* 2001 Feb;20(2 Suppl):16-66.

Contributing Editor, Episource, The Epidemiology Monitor, Roswell, GA, 1998.

Advisory Panels / Committees

Executive Committee of the Faculty, Dornsife School of Public Health, Drexel University, Philadelphia, PA, 2015 - 2017

University Advisory Committee on Writing in the Discipline, Drexel University, Philadelphia, PA, 2014 - 2016

Maternal Mortality Review Team, Philadelphia Department of Public Health, Philadelphia, PA, 2010 – 2020

Maternal and Child Health Working Group, School of Public Health, Drexel University, Philadelphia, PA, 2009 – 2015

Membership Committee, American College of Epidemiology, 2000 – 2002

Committee on Affirmative Action, School of Hygiene and Public Health, Johns Hopkins University, Baltimore, MD, 1999 – 2000

Committee on Human Research (Institutional Review Board), School of Hygiene and Public Health, Johns Hopkins University, Baltimore, MD, 1996 – 1998

Editorial Activities

Manuscript reviewer, *American Journal of Preventive Medicine*, 2017 – present

Manuscript reviewer, *Maternal and Child Health Journal*, 2015 – present

Manuscript reviewer, *PLOS ONE*, 2015 – present

Manuscript reviewer, *Paediatric and Perinatal Epidemiology*, 2013 – present

Manuscript reviewer, *American Journal of Epidemiology*, 2013 – present

Manuscript reviewer, *Child and Adolescent Psychiatry and Mental Health*, 2013 – present

Manuscript reviewer, *Nicotine and Tobacco Research*, 2013 – present

Manuscript reviewer, *International Journal of Environmental Research and Public Health*, 2011 – present

Manuscript reviewer, *Journal of Child Psychology and Psychiatry*, 2010 – present

Manuscript reviewer, *Biological Psychiatry*, 2010 – present

Program and Project Development

ENRICH (ENhancing uRban Involvement in Community Health) Philadelphia: Volunteer Program Teaching Public Health and Epidemiology in Philadelphia Public High Schools, Drexel University School of Public Health, Philadelphia, PA, 2009 – 2011

Scientific Advisory Meeting: Conceptual and Methodological Issues in Prospectively Studying Exposures/Biomarkers Measured During the Pre-, Peri-, and Neonatal Periods in Autism Siblings, Admiral Fell Inn, Baltimore, MD, 2005

Education Forum, American College of Epidemiology Annual Meeting, Albuquerque, NM, 2002

Mentorship Program, American College of Epidemiology, 2000 – 2002

STARS (Students Teaching and Reaching Students), Diversity in Public Health Through Early Mentoring: Volunteer Outreach Program for Elementary and Secondary Schools, Johns Hopkins School of Hygiene and Public Health, Baltimore, MD, 1999 – 2002

From Epidemiology to Policy: A Symposium on the Translation of Epidemiologic Evidence into Public Health Policy, Renaissance Hotel, Washington, DC, 1998

HONORS AND AWARDS

Charlotte Silverman Award, Department of Epidemiology, Bloomberg School of Public Health, Johns Hopkins University, 2002

Charlotte Ferencz Scholarship, Department of Epidemiology, Bloomberg School of Public Health, Johns Hopkins University, 2001

Delta Omega Scholarship, School of Hygiene and Public Health, Johns Hopkins University, 2000

PUBLICATIONS

Klassen AC, **Lee NL**, Lopez JP, Bernadin C, Coffman R, Tefferi M. Realtors as partners in tobacco control: Results from a Pennsylvania survey. *Tobacco Regulatory Science* 2020; 6(6):(in press).

Hirsch AG, Carson AP, **Lee NL**, McAlexander T, Mercado C, Siegel K, Black NC, Elbel B, Long L, Lopez P, McClure LA, Poulsen MN, Schwartz BS, Thorpe LE. The Diabetes LEAD (Location, Environmental Attributes, and Disparities) Network: Rationale, protocol, and baseline characteristics. *Journal for Medical Internet Research: Research Protocols* 2020; 9(10):e21377. <https://doi.org/10.2196/21377>

Wang X, **Lee NL**, Burstyn I. Smoking and use of electronic cigarettes (vaping) in relation to preterm birth and small-for-gestational-age in a 2016 U.S. national sample. *Preventive Medicine* 2020 May; 134: 106041. <https://doi.org/10.1016/j.ypmed.2020.106041>

Wang X, **Lee NL**, Burstyn I. Probabilistic sensitivity analysis: Gestational hypertension and differentially misclassified maternal smoking during pregnancy. *Annals of Epidemiology* 2020 Feb; 42:1-3.e1. <https://doi.org/10.1016/j.annepidem.2020.01.001>

Yoo EJ, **Lee NL**, Huang KP, Kose LT, Deval D, Plante LA, Schulman ES. Clinical characteristics of severe asthma exacerbations among inner-city women in pregnancy. *Journal of Allergy and Clinical Immunology: In Practice* 2020; 8(1):395-397. <https://doi.org/10.1016/j.jaip.2019.06.010>

Slaughter-Acey J, Sneed D, Parker L, Keith VM, **Lee NL**, Misra DP. Skin tone matters: Racial microaggressions and delayed prenatal care in African American women. *American Journal of Preventive*

Medicine 2019 Sep; 57(3):321-329. <https://doi.org/10.1016/j.amepre.2019.04.014>

Arana E, Carroll-Scott A, Massey P, **Lee NL**, Yudell M, Klassen AC. Disparities in mammogram frequency among women with intellectual disabilities. *Intellectual and Developmental Disabilities* 2019 Jun; 57(3):177-187. <https://doi.org/10.1352/1934-9556-57.3.177>

Wang X, **Lee NL**, Burstyn I. Maternal smoking and gestational hypertension: Heterogeneous effect by timing of the exposure. *Pregnancy Hypertension* 2019 Jan; 15:123-129. <https://doi.org/10.1016/j.preghy.2018.12.011>

Kalkbrenner AE, Windham GC, Zheng C, McConnell R, **Lee NL**, Schauer JJ, Thayer B, Pandey J, Vok HE. Air toxics in relation to autism diagnosis, phenotype, and severity in a US family-based study. *Environmental Health Perspectives* 2018 Mar; 126(3):037004. <https://doi.org/10.1289/EHP1867>

Sun J, Robinson L, **Lee NL**, Welles S, Evans AA. No contribution of lifestyle and environmental exposures to gender discrepancy of liver disease severity in chronic hepatitis B infection: Observations from the Haimen City Cohort. *PLOS ONE* 2017; 12(4):e0175482. <https://doi.org/10.1371/journal.pone.0175482>

Klassen AC, **Lee NL**, Pankiewicz A, Ward R, Brosbe M, Ogbenna BT, Wade A, Bromah M, Osayameh O, Rule AM, Coffman R, Bragg V, Mallya G. Secondhand smoke exposure and smoke-free policy introduction in Philadelphia public housing. *Tobacco Regulatory Science* 2017; 3(2):192-203. <https://doi.org/10.18001/TRS.3.2.7>

Rosen B, Lee BK, **Lee NL**, Yang Y, Burstyn I. Maternal smoking and autism spectrum disorder: A meta-analysis. *Journal of Autism and Developmental Disorders* 2015 Jun; 45(6):1689-98. <https://doi.org/10.1007/s10803-014-2327-z>

Lee NL, Samet JM, Yang G, Zhou M, Yang J, Correa A, Lees PSJ. Prenatal secondhand smoke exposure and infant birth weight in China. *International Journal of Environmental Research and Public Health* 2012; 9(10):3398-3420. <https://doi.org/10.3390/ijerph9103398>

Newschaffer CJ, Croen LA, Fallin MD, Hertz-Picciotto I, Nguyen DV, **Lee NL**, Berry CA, Farzadegan H, Hess HN, Landa RJ, Levy SE, Massolo ML, Meyerer SC, Mohammed SM, Oliver MC, Ozonoff S, Pandey J, Schroeder A, Shedd-Wise KM. Infant siblings and the investigation of autism risk factors. *Journal of Neurodevelopmental Disorders* 2012; 4:7. <https://doi.org/10.1186/1866-1955-4-7>

Karapurkar T, **Lee NL**, Kresch Curran L, Newschaffer CJ, Yeargin-Allsopp M. The epidemiology of autism and autism spectrum disorders. In: *Autistic Spectrum Disorders in Children*, Gupta VB (ed.). New York, NY: Marcel Dekker, Inc., 2004, pp. 17-42.

Lee NL, Samet JM. ACE Forum Report: The making of an epidemiologist--necessary components for doctoral education and training. *Annals of Epidemiology* 2003 Sep; 13(8):552-556. [https://doi.org/10.1016/s1047-2797\(03\)00261-8](https://doi.org/10.1016/s1047-2797(03)00261-8)

Newschaffer CJ, Fallin MD, **Lee NL**. Heritable and non-heritable risk factors for autism. *Epidemiologic Reviews* 2002; 24(2):137-153. <https://doi.org/10.1093/epirev/mxf010>

Samet JM, **Lee NL**. Bridging the gap: Perspectives on translating epidemiologic evidence into policy. *American Journal of Epidemiology* 2001 Dec 15; 154(12 Suppl):S1-S3. <https://doi.org/10.1093/aje/154.12.s1>

Jackson LW, **Lee NL**, Samet JM. Frequency of policy recommendations in epidemiologic publications. *American Journal of Public Health* 1999 Aug; 89(8):1206-11. <https://doi.org/10.2105/ajph.89.8.1206>

Freedman DM, Cantor KP, **Lee NL**, Chen L-S, Lei H-H, Ruhl CE, Wang SS. Bladder cancer and drinking water: A population-based case-control study in Washington County, Maryland (United States). *Cancer Causes and Control* 1997 Sep; 8(5):738-44. <https://doi.org/10.1023/a:1018431421567>

Carlo GL, Jablinske MR, **Lee NL**, Sund KG, Corn M. Reduced mortality among workers at a rubber plant. *Journal of Occupational Medicine* 1993 Jun; 35(6):611-16. <https://doi.org/10.1097/00043764-199306000-00019>

Munro I, Carlo GL, Orr J, Sund K, Wilson R, Kennepohl E, Lynch B, Jablinske M, **Lee NL**. A comprehensive, integrated review and evaluation of the scientific evidence relating to the safety of the herbicide 2,4-D. *Journal of the American College of Toxicology* 1992 Dec; 11(5):559-664. <https://doi.org/10.3109/10915819209141893>

Carlo GL, Sund KG, **Lee NL**, Jablinske MR, Pettygrove SD. The Health Scientist Survey: Identifying consensus on assessing human health risk. *Environment International* 1992 Jul/Aug; 18(4):331-9. [https://doi.org/10.1016/0160-4120\(92\)90063-A](https://doi.org/10.1016/0160-4120(92)90063-A)

Carlo GL, **Lee NL**, Sund KG, Pettygrove SD. The interplay of science, values and experiences among scientists asked to evaluate the hazards of dioxin, radon and environmental tobacco smoke. *Risk Analysis* 1992 Mar; 12(1):37-43. <https://doi.org/10.1111/j.1539-6924.1992.tb01305.x>

ABSTRACTS AND PRESENTATIONS

Robins DL, Fernandes S, Rocha ML, Stahmer AC, Fein DA, McClure L, Vivanti G, Dumong-Mathieu T, **Lee NL**, & Yudell M. Implementation of screening in pediatric primary care. Annual Meeting of the International Society for Autism Research (INSAR), Montreal, Quebec, Canada, May 2019 (Poster Presentation).

Slaughter-Acey JC, Sneed D, **Lee NL**, Misra DP. Racial microaggression and receipt of prenatal care in African American women: Does skin tone influence the relationship? Annual Meeting of the American Public Health Association, San Diego, CA, November 2018 (Oral Presentation).

McClure LA, **Lee NL**, Hirsch A, Schwartz B, Carson AP, Elbel BD, Thorpe L, Kahn H, Siegel KR. The Diabetes LEAD (Location, Environmental Attributes, and Disparities) Network: Studying the impact of community factors on geographic disparities in diabetes nationwide. Annual Meeting of the American Public Health Association, San Diego, CA, November 2018 (Panel Presentation).

Wang X, **Lee NL**, Rai D, Lee BK. Maternal prepregnancy obesity and offspring autistic traits: Findings from the Avon Longitudinal Study of Parents and Children. Annual Meeting of the Society for Epidemiologic Research, Baltimore, MD, June 2018 (Poster Presentation).

Wang X, **Lee NL**, Burstyn I. Maternal smoking and gestational hypertension: Effect modification by timing of the exposure. Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research, Baltimore, MD, June 2018 (Poster Presentation).

Klassen A, **Lee N**, Lopez J, Tefferi M, Coffman R, Bettigole C. Formative research to support the transition of multi-unit rental housing to smoke-free. 17th World Conference on Tobacco or Health, Cape Town, South Africa, 2018 (Poster Presentation).

Kauffman EM, **Lee NL**, Croen LA, Lyall K, Fallin MD, Herzt-Picciotto I, Newschaffer CJ. Investigating Polychlorinated biphenyls and Cytokines in Autism Spectrum Disorder. International Meeting For Autism Research (IMFAR), San Francisco, CA, 2017 (Poster Presentation).

Dalianis EA, Vaughn N, Breaux J, Slaughter J, **Lee N**, Kolker J. Evaluating Data from the Infant Feeding

Practices Study II to Understand the Relationship between State Policies, Women's Workplace Experiences, and Breastfeeding Practices. CityMatCH Leadership and MCH Epidemiology Conference, Philadelphia, PA, 2016 (Poster Presentation).

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. International Meeting For Autism Research (IMFAR), Baltimore, MD, 2016 (Poster Presentation).

Lee NL, Bennett D, Burstyn I, Schriver E, Pandey J, Croen LA, Fallin MD, Hertz-Picciotto I, Newschaffer CJ. Prenatal PBDE exposure and early ASD-related phenotype in a risk-enriched pregnancy cohort. International Meeting For Autism Research (IMFAR), Salt Lake City, UT, 2015 (Poster Presentation).

Burstyn I, **Lee NL**, Schriver E, Pandey J, Croen LA, Fallin MD, Hertz-Picciotto I, Newschaffer CJ. Maternal sub-clinical hypothyroidism and risk of autistic endophenotype in a risk-enriched pregnancy cohort. International Meeting For Autism Research (IMFAR), Salt Lake City, UT, 2015 (Oral Presentation).

Klassen A, **Lee N**, Pankiewicz A, Ward R, Confair A, Brosbe M, VerPloeg A, Winston S, Townsend B, Nassau T, Brooks B, Coffman R, Bragg V, Szymkowiak D, Mallya G. Preparing for smoke-free policy implementation in public housing communities. Annual Meeting of the American Public Health Association, New Orleans, LA, 2014 (Poster Presentation).

Rosselot BR, Grossestreuer AV, **Lee NL**, Dodampahala K, Goyal M, David A, Gaijeski DF. The association between post-cardiac arrest hemoglobin levels and neurologic outcome. American Heart Association Scientific Sessions, Chicago, IL, 2014 (Poster Presentation).

Volk HE, Kalkbrenner AE, **Lee NL**, Lurmann F, Minor H, Windham G. Integration of environmental variables into autism genetic repository data. International Meeting For Autism Research (IMFAR), Atlanta, GA, 2014 (Poster Presentation).

Klassen AC, Pankiewicz A, Confair AR, Vaughn NA, **Lee N**, Michael YL, Szymkowiak D, Mallya G. Stakeholder perspectives on smoke-free public housing: Formative work to inform policy and planning. Annual Meeting of the American Public Health Association, Boston, MA, 2013 (Poster Presentation).

Davis R, Bloch J, Bartle N, Turchi R, O'Neil M, Campbell C, Ventura A, **Lee N**, Breaux J, Pandey M. Building public health systems to promote health of urban women and children. 19th Congress of the International Council on Women's Health Issues, Bangkok, Thailand, 2012 (Poster Presentation).

Lee NL, Correa A, Szklo M. Prepregnancy BMI, pregnancy weight gain, and birth outcomes in northeast China. Annual Meeting of the American College of Epidemiology, Silver Spring, MD, 2009 (Poster Presentation).

Lee NL, Samet JM, Yang G, Zhou M, Yang J. Prenatal secondhand smoke exposure and infant birthweight in China. Annual Meeting of the American College of Epidemiology, Ft. Lauderdale, FL, 2007 (Poster Presentation).

dosReis S, Weiner C, Johnson L, **Lee N**, Newschaffer C. Screening for developmental delay and autism spectrum disorders in general pediatric practice. International Meeting For Autism Research (IMFAR), Boston, MA, 2005 (Oral Presentation).

Newschaffer C, Lee L, David A, **Lee N**. Comparing SCQ and PDDST scores in a 3-5 year old special education population. International Meeting For Autism Research (IMFAR), Boston, MA, 2005 (Poster Presentation).

Newschaffer C, dosReis S, Puccia K, **Lee N**. Screening for developmental delay and autism spectrum disorders in general pediatric practice – where we are now and where we might go. Annual Meeting of the American Public Health Association, Washington, DC, 2004 (Oral Presentation).

Lee L-C, David AB, **Lee NL**, Newschaffer CJ. Investigating developmental delays study: comparison of SCQ and PDDST. Annual Meeting of the National Center on Birth Defects and Developmental Delays, Washington, DC, 2004 (Poster Presentation).

Newschaffer CJ, Lee L-C, David AB, **Lee NL**. Investigating developmental delays study: comparison of SCQ and PDDST. International Meeting for Autism Research (IMFAR), Sacramento, CA, 2004 (Poster Presentation).

Arcari CM, **Lee NL**. Students Teaching And Reaching Students (STARS): Planting seeds for careers in public health. Annual Meeting of the Society for Epidemiologic Research, Atlanta, GA, 2003 (Poster Presentation).

Jackson L, **Lee N**, Samet J. Frequency of policy recommendations in epidemiologic publications. Annual Meeting of the American College of Epidemiology, Boston, MA, 1997 (Poster Presentation).

SPONSORED RESEARCH

Current Support

Title: Connecting the Dots: An RCT Integrating Standardized ASD Screening, High-Quality Treatment, and Long-Term Outcomes. An Autism Center of Excellence (ACE) Network

Funding: National Institute of Mental Health (R01MH115715), PI: D. Robins, 10/2017 – 06/2022

Summary: Children with autism spectrum disorder (ASD) who start treatment earlier have better outcomes; although universal toddler screening can detect many cases of ASD much younger than the national average, high quality, inconclusive outcome data means standardized screening is not always recommended. This study will clearly connect the dots demonstrating that screening lowers age of diagnosis and entry into ASD-specific treatment, which improves long-term outcomes.

Role: Co-Investigator

Title: Component B: Coordinating Center for Community Characteristics Associated with Geographic Disparities in Diabetes

Funding: Centers for Disease Control and Prevention (U01 DP006293), PI: L. McClure, 10/2017 – 09/2022

Summary: Informing policy regarding care for diabetes is important for impacting downstream outcomes. This project will assess different community characteristics that are associated with geographic disparities in diabetes, with a goal of impacting the community policies surrounding diabetes care. Our role is to serve as the coordinating center for this research.

Role: Co-Investigator

Title: Youth Access to Tobacco

Funding: University of Louisiana at Lafayette (Louisiana Department of Health and Hospitals), PI: N. Lee, 07/2015 – ongoing

Summary: This project aims to provide the Office of Alcohol and Tobacco Control with a representative sample of outlets to target for random unannounced checks, train Office of Alcohol and Tobacco Control staff to conduct random unannounced inspections, provide the total list of youth accessible outlets for education, analyze and report on Synar compliance, select a

sample of outlets for targeted merchant education, and develop practice improvements related to the coverage study of the State's Tobacco License List and the report on Synar compliance.

Role: Principal Investigator

Previous Support

Title: Smoke-Free Housing Evaluation

Funding: Philadelphia Department of Public Health, PI: A. Klassen, 01/2012 – 06/2018

Summary: This project conducts formative and baseline evaluation to prepare for smoke-free policy implementation in the Philadelphia Housing Authority's public housing communities.

Role: Co-Investigator

Title: Prospective Evaluation of Air Pollution, Cognition, and Autism from Birth Onward (PECABO)

Funding: National Institute of Environmental Health Sciences (1R01 ES023780-01), PI: H. Volk, 04/2014 – 04/2018

Summary: This study will assess the association between prenatal air pollution exposure and risk of cognitive delays and autistic traits in two prospective samples - Markers of Autism Risk in Babies, Learning Early Signs (MARBLES) and Early Autism Risk Longitudinal Investigation (EARLI).

Role: Co-Investigator

Title: Eastern Region Autism Services, Education, Resources, and Training (ASERT)

Funding: Bureau of Autism Services, Pennsylvania Department of Human Services, PI: L. Shea, 07/2014 – 06/2015

Summary: ASERT is a key component of the Bureau of Autism's strategy for supporting individuals with autism and their families throughout the Commonwealth. ASERT connects existing resources and pockets of expertise, and address the regional gaps in effective services and supports. The Eastern Region ASERT at Drexel provides data analysis support of state-wide data from health, education, and justice agencies, and interprets and presents the analytical findings to policy-makers in the form of policy briefs, infographics, published reports and peer-reviewed papers, and through presentations and meetings.

Role: Co-Investigator

Title: Exposure to Airborne Pollutants and Associations with Autism Phenotype (PEAP)

Funding: Autism Speaks (AS 7938), PI: H. Volk, 02/2012 – 05/2015

Summary: This project examines exposure to hazardous air pollutants (HAPs) and its association with autism characteristics in children enrolled in the national Autism Genetic Resource Exchange (AGRE) program. Residential addresses for the AGRE cohort are geocoded to link the AGRE data with HAPs exposure data and US Census data for neighborhood or contextual covariables.

Role: Co-Investigator

Title: Environment, the Perinatal Epigenome and Risk for Autism

Funding: National Institute of Environmental Health Sciences (R01 ES017646), PI: D. Fallin/C. Newschaffer, 09/2009 – 06/2014

Summary: This project will take a comprehensive genome-wide approach to understand the interplay between genetics, epigenetics, and in utero environment in birth and early development phenotypes that are important predictors of adverse outcomes generally, and are related to

ASD specifically.

Role: Co-Investigator

Title: IBIS-EARLI Collaboration

Funding: Autism Speaks (AS 5938), PI: C. Newschaffer/J. Piven, 01/2009 – 09/2014

Summary: This project involves analyses of pooled samples from the EARLI and IBIS studies intended to discover genetic and environmental risk factors for quantitative developmental trajectory outcomes related to autism.

Role: Co-Investigator

Title: Epigenomics of Human Health and Disease

Funding: National Institute of Environmental Health Sciences (R01 ES017646), PI: D. Fallin/C. Newschaffer, 09/2009 – 06/2014

Summary: This project will take a comprehensive genome-wide approach to understand the interplay between genetics, epigenetics, and in utero environment in birth and early development phenotypes that are important predictors of adverse outcomes generally, and are related to ASD specifically.

Role: Co-Investigator

Title: Early Autism Risk Longitudinal Investigation (EARLI) Network

Funding: National Institute of Environmental Health Sciences (R01 ES016443), PI: C. Newschaffer, 04/2008 – 03/2013

Summary: This project will establish and prospectively follow a cohort of mothers of children with an autism spectrum disorder (ASD) at the start of a subsequent pregnancy.

Role: Co-Investigator

Title: The National CADDRE Study: Child Development & Autism

Funding: Centers for Disease Control and Prevention (IU10 DD000183-0), PI: D. Fallin/C. Newschaffer, 09/2006 – 09/2011

Summary: This project will implement the National CADDRE study, a large case-cohort study of autism risk factors. Funding is for the Maryland study site and the study's central laboratory and biologic repository.

Role: Co-Investigator

TEACHING AND ADVISING

Instructor: Face-to-Face Courses

Burden of Disease (PBHL 310), Undergraduate Public Health Program, Department of Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University, Philadelphia, 2015 – 2017

Introduction to Epidemiology (PBHL 530ES), Executive MPH Program, Department of Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University, Philadelphia, 2014 – 2016

Perinatal Epidemiology (PBHL 638), Department of Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University, Philadelphia, PA, 2010 – 2016

Instructor: On-line Courses

Perinatal Epidemiology (EPI 556), Department of Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University, Philadelphia, PA, 2018 – present

Guest Speaker/Lecturer

“Environmental Risk Factors in Perinatal Epidemiology”, Occupational and Environmental Epidemiology, Dornsife School of Public Health, Drexel University, Philadelphia, 2019

“Burden of Maternal Mortality and Morbidity”, Burden of Disease, Dornsife School of Public Health, Drexel University, Philadelphia, 2019

“mHealth Strategies”, Epidemiology for Public Health Practice, Dornsife School of Public Health, Drexel University, Philadelphia, 2019

“Introduction to Maternal and Child Health Epidemiology”, Epidemiology for Public Health Practice, Dornsife School of Public Health, Drexel University, Philadelphia, 2018

“Perinatal Epidemiology”, Overview of Maternal and Child Health, Dornsife School of Public Health, Drexel University, Philadelphia, PA, 2015 – 2020

“Secrets to Successful Study Management”, Epidemiology PhD Seminar II, School of Public Health, Drexel University, Philadelphia, PA, 2009

“Breathing in China: An Involuntary Risk?”, Reproductive Epidemiology, College of Nursing and Health Professions, Drexel University, Philadelphia, PA, 2008

“Environmental Risk Factors for ASDs”, Epidemiology of Autism Spectrum Disorders, Johns Hopkins Bloomberg School of Public Health, Summer Institute in Mental Health Research, Baltimore, MD, 2004

“Case Studies in Epidemiology and Public Policy. Vietnam Veterans and Agent Orange: The Legacy Continues”, Epidemiology, Health Systems Management Program, University of Baltimore, Baltimore, MD, 2001 – 2002

Other Teaching

Laboratory Instructor, Principles of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, 2006

Teaching Assistant, Epidemiologic Methods: Design and Analytic Considerations, Johns Hopkins School of Hygiene and Public Health, Baltimore, MD, 1996

Teaching Assistant, Epidemiologic Methods: Intermediate Epidemiology, Johns Hopkins School of Hygiene and Public Health, Baltimore, MD, 1995

Teaching Assistant, Principles of Epidemiology, Johns Hopkins School of Hygiene and Public Health, Baltimore, MD, 1995 – 1996

Doctoral Student Mentoring

Dissertation Committee Chair

Student: Xi Wang (PhD, Epidemiology), Dornsife School of Public Health, Drexel University, Philadelphia, PA, 2014 – 2018

Thesis: Maternal Prepregnancy Body Mass Index, Gestational Weight Gain, and Risk of Autism Spectrum Disorders in Offspring

Dissertation Committee Member

Student: Elizabeth Dalianis, MS, MPH (DrPH, Health Management and Policy), Dornsife School of Public Health, Drexel University, Philadelphia, PA, 2015 - 2016

Thesis: A Multi-level Analysis of the Role of the Workplace and Employment in Racial Disparities in Breastfeeding Practices

Student: Evelyn Arana (DrPH, Community Health and Prevention), Dornsife School of Public Health, Drexel University, Philadelphia, PA, 2014 - 2017

Thesis: Racial & Ethnic Disparities in Mammogram Frequency Among Women With Intellectual Disabilities: An Explanatory Mixed Methods Approach

Student: Jing Sun, MPH (PhD, Epidemiology), Dornsife School of Public Health, Drexel University, Philadelphia, PA, 2013 - 2015

Thesis: Gender, Reproductive, and Lifestyle Risk Factors Associated with Liver Disease Severity in Chronic Hepatitis B Infection

Updated: October 26, 2020