

# CURRICULUM VITAE

**Leah H Schinasi**

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## EDUCATION

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- 2008 - 2012 University of North Carolina at Chapel Hill, Ph.D.  
Epidemiology  
Mentor: Steve Wing, Ph.D.  
Dissertation title: Environmental, occupational, and medical exposures associated with methicillin resistant *Staphylococcus aureus* nasal carriage in patients admitted to an eastern North Carolina hospital
- 2005 - 2008 University of North Carolina at Chapel Hill, M.S.P.H.  
Epidemiology  
Mentor: Steve Wing, Ph.D.
- 1999-2003 Vassar College, B.A.  
Environmental Studies  
Mentor: Meg Ronsheim, Ph.D.
- 2002 University of Melbourne, Semester abroad

## ACADEMIC POSITIONS

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- 2019 - **Assistant Professor**, Department of Environmental and Occupational Health, Drexel University, Philadelphia, PA
- 2016 - 2019 **Research Assistant Professor**, Department of Environmental and Occupational Health, Drexel University, Philadelphia, PA
- 2014 - 2016 **Postdoctoral research fellow**, Department of Environmental and Occupational Health, Drexel University, Philadelphia, PA
- 2012 - 2014 **Postdoctoral research fellow**, Division of Environment and Radiation, International Agency for Research on Cancer, Lyon, France
- 2011-2012 **Graduate Research Assistant**, The University of North Carolina at Chapel Hill Department of Epidemiology, Chapel Hill, NC
- 2009 - 2011 **Graduate Research Assistant**, North Carolina Disease Event Tracking and Epidemiologic Collection Tool (NC DETECT), Chapel Hill, NC
- 2005 - 2009 **Graduate Research Assistant**, The University of North Carolina at Chapel Hill Department of Epidemiology, Chapel Hill, NC
- 2003 - 2004 **Research Assistant**, The University of North Carolina at Chapel Hill Department of Biology, Chapel Hill, NC (2003-2004)
- 2002 **Laboratory Technician**, East Carolina University Department of Chemistry, Greenville, NC

## HONORS AND AWARDS

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- Sept 2019 **American Heart Association Leadership Conference, invited attendee**

- 2013 **Delta Omega Honorary Public Health Society**
- 2011 **Arrighi Scholars Fund, University of North Carolina, Chapel Hill, NC**
- 2011 - 2013 **National Institute for Occupational Sciences and Health (NIOSH) predoctoral trainee**, Department of Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 2006 - 2008 **National Institute of Environmental Health Sciences (NIEHS) predoctoral trainee**, Department of Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 1999 - 2003 **Statton Scholarship to Vassar College**

## **SERVICE**

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Co-presenter, Dornsife School of Public Health Immersion Program, “The Built environment.” September 11, 2019.

Co-facilitator, Gentrification and neighborhood change meeting, Urban Health Symposium, September 4, 2019.

Reviewer, Urban Health Collaborative Doctoral Fellowship Applications, Dornsife School of Public Health, March 2019

Undergraduate program advisory committee member, Dornsife School of Public Health, June 2018-October 2018

Peer reviewer, Urban Health Collaborative at Drexel University Pilot Grant Award, 2018

Facilitator, Urban Health Collaborative at Drexel University Brown Bag, February-March, 2018

Editorial Review Board Member, *Environmental Health Perspectives* (2017-present)

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 107: Polychlorinated and polybrominated biphenyls. *Secretariat*, Lyon, France (February 12-19 2013)

### ***Invited manuscript peer review, for journals including:***

*Cancer Informatics*  
*Environmental Health Perspectives*  
*Environmental Health*  
*Environmental Research*  
*Environmental Science and Pollution Research*  
*Journal of AgroMedicine*  
*Journal of Urban Health*  
*The Social Science Journal*  
*Nigerian Journal of Clinical Practice*  
*PLOS ONE*  
*Urban Forestry and Greening*

## **PROFESSIONAL AFFILIATIONS**

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International Association for Population Health Sciences (2019-)

International Society for Environmental Epidemiology (2018-)

American Heart Association. December (2017-)

Society for Epidemiologic Research. (May 2015-)  
American Public Health Association (2007- 2008)

## **PUBLICATIONS**

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### ***Refereed papers***

El-Zaemey S, **LH Schinasi**, G Ferro, I Baldi, S Tual, P Lebailly, Karl-Christian Nordby, K Kjaerheim, J Schuz, A Monnereau, M Brouwer, H Kromhout, ME Leon, LEB Freeman. Animal production and the risk of lympho-hematopoietic cancers in three cohort studies of farmers within the AGRICOH consortium. (2019) *Occupational and Environmental Medicine*. doi: 10.1136/oemed-2018-105655

Leon ME, **LH Schinasi**, I Baldi, L Beane Freeman, KC Nordby, P Lebailly, G Ferro, A Monnereau, K Kjaerheim, M Alavanja, M Brouwer, H Kromhout, J Schüz. Professional application of pesticides and risk of lymphoid malignancies in agricultural cohorts from France, Norway and the USA: a report from the AGRICOH consortium. (2019). *International Journal of Epidemiology*. <https://doi.org/10.1093/ije/dyz017>

**Schinasi, LH**, H Quick, AJ De Roos, J Clougherty. Green space and infant mortality in Philadelphia, PA. (2019) *Journal of Urban Health*. DOI: 10.1007/s11524-018-00335-z. PMID: 30993542.

De Roos AJ, J Spinelli, EB Brown, D Atanackovic, D Baris, L Bernstein, P Bhatti, NJ Camp, BC Chiu, J Clavel, W Cozen, S De Sanjose, JA Dosman, JN Hofmann, JR McLaughlin, L Miligi, A Monnereau, L Orsi, MP Purdue, **LH Schinasi**, GJ Tricot, SS Wang, Y Zhang, BM Birmann, P Cocco. Pooled Study of occupational exposure to aromatic hydrocarbon solvents and risk of multiple myeloma. (2018). *Occ Environ Med*. DOI: 10.1136/oemed-2018-105154. PMID: 30121582.

**Schinasi LH**, AH Auchincloss, CB Forrest, AV Diez Roux. Using electronic health record data for environmental and place based population health research: A systematic review. (2018) *Annals of Epidemiology*. 28(7): 493-502. doi: 10.1016/j.annepidem.2018.03.008. PMID: 29628285.

**Schinasi LH**, T Benmarhnia, AJ De Roos. Modification of the association between heat and health by urban microclimates: A systematic review and meta-analysis. (2018) *Environmental Research*. 161: 168-180. doi: 10.1016/j.envres.2017.11.004. PMID: 29149680.

**Schinasi LH** and GB Hamra. Associations between temperature and crime in Philadelphia, PA, 2006-2015. (2017) *Journal of Urban Health*. 94(6): 892-900. doi: [10.1007/s11524-017-0181-y](https://doi.org/10.1007/s11524-017-0181-y)

Nachman KE, J Lam, **LH Schinasi**, T Smith, B Feingold, J Casey. (2017) O'Connor et al systematic review regarding animal feeding operations and public health: critical flaws may compromise conclusions. *Systematic reviews*. 179(6). doi: 10.1186/s13643-017-0575-7

**Schinasi LH**, EB Brown, N Camp, S Wang, J Hofmann, B Chiu, I Miligi, LB Freeman, SD Sanjose, L Bernstein, A Monnereau, P Cocco, L Orsi, M Purdue, W Cozen, J Spinelli, AJ De Roos. (2016) Multiple myeloma and family history of lympho-hematopoietic cancers: Results from the International multiple myeloma consortium. *British Journal of Haematology*. 175(1): 87-101. doi: 10.1111/bjh.14199.

Brouwer M, LH **Schinasi**, LE Beane-Freeman, I Baldi, P Lebailly, KC Nordby, J Schuz, ML Roux, H Kromhout. (2016) Assessment of occupational exposure to pesticides in a pooled analysis of agricultural cohorts within the AGRICOH consortium. *Occupational and Environmental Medicine*. 73(6): 359-67.

**Schinasi LH**, AJ De Roos, RM Ray, K Edlefsen, CG Parks, B Howard, J Meliker, M Bonner, R Wallace, AZ LaCroix. (2015) Insecticide exposure and farm history in relation to risk of lymphomas and leukemias in the Women's Health Initiative (WHI) observational study cohort. *Annals of Epidemiology*. 25(11): 803-810.

**Schinasi LH**, ME Leon Roux. (2014) Non-Hodgkin lymphoma and occupational exposure to agricultural pesticide chemical groups and active ingredients: A systematic review and meta-analysis. *International Journal for Environmental Epidemiology and Public Health*. 11(4): 4449-527. doi: 10.3390/ijerph110404449

**Schinasi LH**, S Wing, K L Augustino, K M Ramsey, D L Nobles, D B Richardson, P D M MacDonald, J R Stewart. (2014) A case control study of environmental and occupational exposures associated with methicillin resistant *Staphylococcus aureus* nasal carriage in patients admitted to a rural tertiary care hospital in a high density swine region. *Environmental Health*.13(1): 54. Doi: 10.1186/1476-069X-13-54

**Schinasi L**, S Wing, P D M MacDonald, D B Richardson, J R Stewart, K L Augustino, D L Nobles, K M Ramsey (2013) Medical and household characteristics associated with methicillin resistant *Staphylococcus aureus* nasal carriage among patients admitted to a rural tertiary care hospital. *PLOS ONE*. 8(8): e73595 doi: 10.1371/journal.pone.0073595

**Schinasi L**, RA Horton, VT Guidry, S Wing, SW Marshall, KB Morland. Air pollution, lung function, and physical symptoms in communities near concentrated swine feeding operations. *Epidemiology*. 22(2): 208-215. Doi: 10.1097/EDE.0b01382093c8b.

**Schinasi L**, R A Horton, and S Wing. (2009) Data quality and completeness in a community based and participatory epidemiologic investigation. *Progress in Community Health Partnerships: Research, Education, and Action*. 3(2):179-190. doi: 10.1353/cpr.0.0065.

Wing S, R A Horton, K Thu, M Tajik, **L Schinasi**, and S S Schiffman. (2008) Air pollution and odor in communities near industrial swine operations. *Environmental Health Perspectives*. 116(10): 1362-1368. doi: 10.1289/ehp.11250

S Wing and **L Schinasi**. (2007) Public health preparedness: Social control or social justice? *South Atlantic Quarterly*. 106(4): 789-804.

### ***Manuscripts under review***

Kenyon, C, M Maltenfort, R Hubbard, AJ de Roos, **LH Schinasi**, C Forrest. Variability in asthma diagnosis in young children in a large pediatric primary care network. Under review. *Journal of Pediatrics*.

Kondo, MC, N Mueller, DH Locke, LA Roman, D Rojas-Rueda, **LH Schinasi**, M Gascon, MJ Nieuwenhuijsen. Health Impact Assessment of Philadelphia's 2025 Tree Canopy Cover Goals. In revision. *Lancet Global Health*.

**Schinasi, LH**, J Bloch, and AJ de Roos. Associations between heat and infant mortality, and effect modification by neighborhood sociodemographic characteristics and greenspace in Philadelphia, Pennsylvania. In revision. *American Journal of Public Health*.

Hamra, GB, **Schinasi LH**, Quistberg, A. The impact of a bicycle share program on automobile collision rates in Philadelphia, PA. Under Review. *American Journal of Public Health*.

### **Letters**

Brouwer M, **Schinasi LH**, Beane-Freeman LE, Baldi I, Lebailly P, Nordby KC, Schuz J, Roux ML, Kromhout H. (2017) Assessment of occupational exposure to pesticides in a pooled analysis of agricultural cohorts within the AGRICOH consortium: authors' response. *Occupational and Environmental Medicine*. 73(1): 359-67. doi: 10.1136/oemed-2015-103319

### **Other unrefereed works**

Hirsch J A, **Schinasi LH**. A measure of gentrification for use in longitudinal public health studies based in the United States. Philadelphia, PA: Drexel University Urban Health Collaborative; August 2019. Available online: [https://drexel.edu/~/media/Files/uhc/briefs/Gentrification\\_Brief.ashx?la=en](https://drexel.edu/~/media/Files/uhc/briefs/Gentrification_Brief.ashx?la=en)

**L Schinasi**, A E Waller, A Ising, J E Tintinalli (2011) *The UNC Department of Emergency Medicine Carolina Center for Health Informatics Report, Overview and Analysis of NC DETECT Emergency Department Data: 2009*. Chapel Hill: NC. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill.

M Priedeman Skiles, **L Schinasi**, A E Waller, A Ising, J E Tintinalli. (2010) *The UNC Department of Emergency Medicine Carolina Center for Health Informatics Report, NC DETECT Emergency Department Data: 2008*. Chapel Hill: NC. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill.

## **PRESENTATIONS**

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**Panelist**. BioPhilly5: Living air conditioning and Carbon sponges: Vertical forests, meadow roofs, and other plant-based systems to beat the heat. April 11, 2019. Dorrance H. Hamilton Building, Jefferson University. Philadelphia, PA.

**Schinasi LH**. Associations between area-level greenness and infant mortality rates in Philadelphia, PA. Oral presentation at the joint meetings of the International Society for Environmental Epidemiology and the International Society for Exposure Science. August 30, 2018. Ottawa, Canada.

Tripathy, S. S Capps, **LH Schinasi**, J Clougherty. Disentangling Impacts of Multiple Nitrogen Dioxide Sources in an Urban Industrial Area. Poster presentation at the joint meetings of the International Society for Environmental Epidemiology and the International Society for Exposure Science. August 29, 2018. Ottawa, Canada.

**LH Schinasi**, H Quick, JE Clougherty, and AJ de Roos. Associations between area-level greenness and infant mortality rates in Philadelphia, PA. Poster presentation at the annual meeting of the Society for Epidemiologic Research. June 20, 2018. Baltimore, MD.

**Panelist member**. Urban Futures: Green, Sustainable, Just? February 20, 2018. Temple University. Philadelphia, PA.

**Schinasi, LH**. Ambient temperature and crime events in Philadelphia, PA. February 20, 2017. Drexel University Dornsife School of Public Health Environmental and Occupational Health Research Seminar. Philadelphia, PA.

**Schinasi, LH.** Epidemiologic understanding of heat vulnerability and adaptation” CCRUN Green Infrastructure, Climate, and Cities Seminar Series. November 2, 2016. Philadelphia, Pennsylvania.

**Schinasi LH** and GB Hamra. Associations between temperature and crime in Philadelphia, PA, 2006-2015. Poster presented at the Society for Epidemiologic Research Annual Meeting. June 20-23, 2017. Seattle, Washington.

**Schinasi LH** Measuring green space and the normalized difference vegetation index. November 17, 2016. Drexel GIS day. Dornsife School of Public Health. Philadelphia, Pennsylvania.

S El-Zaemey, **LH Schinasi**, G Ferro, I Baldi, S Tual, P Lebailly, K-C Nordby, K Kjaerheim, J Schuz, A Monnereau, M Brouwer, H Kromhout, ME Leon, LEB Freeman. Animal production and risk of lympho-hematopoietic cancers in three cohort studies of farmers and farmworkers within the AGRICOH consortium-preliminary results. Poster presented at the EPICOH annual meeting. September 4-7, 2016. Barcelona, Spain.

**LH Schinasi**, De Roos AJ, Ray, Ray RM, Edlefsen K, Parks CG, Howard BV, Meliker JR, Bonner MR, Wallace RB, LaCroix AZ. Insecticide exposure in relation to risk of lymphomas and leukemias in the Women’s Health Initiative (WHI) observational study cohort. Poster presented at the Society for Epidemiologic Research Annual Meeting. June 16-19, 2015. Denver, Colorado.

**L Schinasi**, M Brouwer, L E Beane Freeman, I Baldi, P Lebailly, K C Nordby, K Kjaerheim, M Alavanja, J Schuz , H Kromhout, M E Leon. Development of a pesticide crop-exposure matrix using data from three agricultural cohort studies in the AGRICOH consortium. Poster presented at the EPICOH Annual Meeting. June 18-21, 2013. Utrecht, The Netherlands.

M Aldridge, **L Schinasi**, W Liao, S Herndon, A Hirsch. Emergency Department visits for acute myocardial infarction following passage of North Carolina’s smoke-free restaurants and bars law. Poster presented at the Council of State and Territorial Epidemiologists Annual Meeting. June 3-7, 2012. Omaha, Nebraska.

**L Schinasi**, R A Horton, and S Wing. Data Quality and Completeness in a Community Based and Participatory Epidemiologic Study. Oral presentation given at the American Public Health Association Annual Meeting. November 4-7, 2007. Washington D.C.

**L Schinasi**, RA Horton, and S Wing. Data Quality and Completeness in a Community Based and Participatory Epidemiologic Study. Oral presentation given at the Environmental Justice Network 9<sup>th</sup> Annual Summit. Franklinton at Bricks, Edgecombe County, October 19-21, 2007. Whitakers, NC.

## **TEACHING**

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**Department of Environmental and Occupational Health, *Invited guest lecture***, Drexel University School of Public Health, Advanced Methods in GIS, (EOH 710). “Think Big! Linking electronic health record and geospatial data for environmental health research.” Philadelphia, PA (February 2019)

**Department of Environmental and Occupational Health, *Invited guest lecture***, Drexel University School of Public Health, Nature Prescription: Trees, greenspace, and your health (PBHL 319). “Urban greenspace and heat mitigation.” Philadelphia, PA (April 2019)

**Department of Environmental and Occupational Health, Course Instructor,** Drexel University School of Public Health, Introduction to Environmental and Occupational Health (PBLH 314) Philadelphia, PA (March-June 2019)

**Department of Environmental and Occupational Health, Course Instructor,** Drexel University School of Public Health, Introduction to Environmental and Occupational Health (PBLH 314) Philadelphia, PA (March-June 2018)

**Department of Environmental and Occupational Health, Recorded guest lecture,** Drexel University School of Public Health, Introduction to Urban Health (EOH 550), “Urban Sustainability and Health,” Philadelphia, PA (recorded lecture in September 2018 for Spring quarter, 2019)

**Urban Strategy Program, Invited guest lecture,** Antoinette Westphal College of Media Arts & Design, Drexel University, Urbanism, Health & the Built Environment (URBS 650), “Green space and health,” Philadelphia, PA (April 2018)

**Department of Environmental and Occupational Health, Invited guest lecture,** Drexel University School of Public Health, Introduction to Environmental and Occupational Health (PBLH 314), “Industrial Food Animal Production,” Philadelphia, PA (May 2017)

**Department of Environmental and Occupational Health, Invited guest lecture,** Drexel University School of Public Health, Introduction to Environmental and Occupational Health (PBLH 314), “Agriculture: Crop & Animal Production,” Philadelphia, PA, (March 4, 2015)

**International Agency for Research on Cancer Summer School, Teaching Assistant,** International Agency for Research on Cancer, Lyon, France (June 2013)

**Epidemiology Department, Teaching Assistant,** “Fundamentals of Epidemiology,” (Epidemiology 710), University of North Carolina, Chapel Hill, NC (August 2009-December 2009)

**Epidemiology Department, Teaching Assistant,** “Epidemiologic Analysis of Binary Data,” (Epidemiology 718), University of North Carolina, Chapel Hill, NC (August-December 2009 [half time TA], August -December 2008, August-December 2007)

**Epidemiology Department, Teaching Assistant,** “Introduction to Epidemiology for Public Health” (Epidemiology 600, [www.unc.edu/epid600/](http://www.unc.edu/epid600/)), University of North Carolina, Chapel Hill, NC (May-August 2008)

**Biology department, Intern,** Vassar College, “Ecology,” Vassar College, Poughkeepsie, NY (September-December 2002)

## MENTORING

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6/2018- Kim Daniels Committee member  
PhD (Epidemiology and Biostatistics)  
Associations of neighborhood environmental factors with pediatric BMI and change in pediatric BMI

6/2019- Bhoomie Patel Advisor  
MPH (Environmental and Occupational Health)

## **RESEARCH SUPPORT**

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### **Ongoing**

Title: Understanding the pathways and mechanisms underlying the association of urban greenness with cardiovascular disease mortality

Principal Investigator: Schinasi (Drexel)

Role on Grant: Principal Investigator

Source: American Heart Association Career development award

Dates: 04/01/2019 – 03/31/2022

Title: Pediatric Big Data Project

Source: Pennsylvania Department of Health – 2015 Formula award (Research Scientist)

Principal Investigator: A Diez Roux (Drexel) C.B. Forrest (CHOP)

Dates: 01/01/2016-12/31/2019

Title: Pediatric health in extreme weather-health effects and ambient temperature (PHEW – HEAT)

Principal Investigator: Perry Sheffield (Mount Sinai), Jane Clougherty (Drexel)

Role on Grant: Co-investigator

Source: NIH R01

Dates: 07/01/2019 – 06/30/2023

Title: Green spaces and climate-related heat mortality in Latin America.

Principal Investigator: Rodriguez (UC Berkeley)

Role on grant: Co-Investigator

Sponsor: Wellcome Trust

Dates: 06/01/2019-05/31/2022

### **Completed**

Title: Design and Implementation for Spatially-Distributed Air Monitoring Campaigns in Philadelphia

Principal Investigator: Clougherty (Drexel)

Role on Grant: Co-Investigator

Source: Dornsife School of Public Health, Urban Health Collaborative

Dates: June 1, 2017-June 1, 2018

Title: An investigation of associations between heat and infant mortality, and effect modification by greenness and socioeconomic and demographic characteristics in Philadelphia, Pennsylvania.

Source: Dornsife School of Public Health, Urban Health Collaborative (Principal Investigator)

Principal Investigator: Schinasi (Drexel)

Role on Grant: Principal Investigator

Dates: April 1, 2016-January 31, 2017

Title: Occupational Pesticide Use and Risk of Lymphoid Cancers

Principal Investigator: De Roos (Drexel)

Role on Grant: Co-Investigator

Source: R03 NCI

Dates: July 1, 2015-June 30, 2017



Title: Prevalence of livestock associated strains of Methicillin resistant Staphylococcus aureus carriage among eastern North Carolina residents admitted to Pitt County Memorial Hospital

Source: North Carolina Tracs Institute

Principal Investigator: L Schinasi with S Wing as faculty mentor

Dates: July 2010-February 2012

Title: Associations between Methicillin resistant Staphylococcus aureus carriage and occupational exposures to industrial animal production in eastern North Carolina

Source: The North Carolina Occupational Safety and Health Education and Research Center

Principal Investigator: L Schinasi with S Wing as faculty mentor

Dates: November 2010-June 2011

## **SKILLS**

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Software: SAS, Stata, R

Statistical methods: Advanced epidemiologic methods, including survival analysis, time series analysis, logistic regression, linear regression, hierarchical models

Excellent oral and written communication skills

Languages: French (intermediate spoken), Spanish (elementary spoken, intermediate written)

## **COMMUNITY SERVICE AND OUTREACH**

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- 2004-2005      Americorps Vista Volunteer, North Carolina Rural Communities Assistance Project (NCRCAP) Healthy Homes Outreach Coordinator, Pittsboro, NC
- 2008-2009      Weaver Street Food Cooperative volunteer, Carrboro, NC
- 2016-            South Philadelphia East Passyunk Crossing Community Garden Member, Philadelphia, PA
- 2016            South Philadelphia Parent Resource Center Volunteer for CityKids Consignment Sale (October), Philadelphia, PA
- 2016            South Philadelphia East Passyunk Crossing Tree Planting volunteer (November), Philadelphia, PA
- 2017            South Philadelphia East Passyunk Crossing Tree Planting volunteer (April), Philadelphia, PA
- 2017            South Philadelphia Parent Resource Center Volunteer for CityKids Consignment Sale (April), Philadelphia, PA
- 2018            East Passyunk Crossing Civic Society Beautification Committee member Philadelphia, PA