

Curriculum Vitae
Jana A. Hirsch, M.E.S. Ph.D.
October 2018

PERSONAL

Work *Urban Health Collaborative,*
Address: *Department of Epidemiology and*
Biostatistics
3600 Market Street, Rm 706
Philadelphia, PA 19104

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Twitter: @Jana_Hirsch

EDUCATION

- 2014 **Doctor of Philosophy** **University of Michigan, Ann Arbor, MI**
Epidemiological Science
Dissertation: *Change in the Built Environment and its Association with Change in Walking and Obesity in Middle Age and Older Adults*
Advisors: Dr. Ana V. Diez Roux and Dr. Philippa Clarke
- 2010 **Master of Environmental Studies** **University of Pennsylvania, Philadelphia, PA**
Environmental Health
Thesis: *Individual Food Environments of Neighbors*
Advisors: Dr. Amy Hillier and Dr. Yvette Bordeaux
- 2010 **Bachelor of Arts** **University of Pennsylvania, Philadelphia, PA**
Health and Societies/Environmental Studies/Nutrition
Thesis: *Heavy Metals in Urban Community Gardens in Philadelphia, PA*
Advisors: Dr. Amy Hillier and Mr. Richard Pepino

PROFESSIONAL EXPERIENCE

- 2017-present **Assistant Research Professor**
Urban Health Collaborative, Department of Epidemiology and Biostatistics; Dornsife School of Public Health; Drexel University, Philadelphia, PA
- 2016-present **Visiting Researcher**
Centre for Hip Health and Mobility; University of British Columbia, Vancouver, BC
- 2016-2017 **Assistant Professor**
Department of Epidemiology and Biostatistics; Arnold School of Public Health; University of South Carolina, Columbia, SC
- 2014-2016 **Postdoctoral Fellow**
Carolina Population Center; University of North Carolina, Chapel Hill, NC
- 2014-2016 **Visiting Postdoctoral Scholar**
Centre for Hip Health and Mobility; University of British Columbia, Vancouver, BC
- 2010-2014 **Graduate Student Research Assistant**
Center for Social Epidemiology and Population Health; Department of Epidemiology; University of Michigan, Ann Arbor, MI
- 2008-2010 **Graduate Student Research Assistant**
Institute for Urban Design; Department of City and Regional Planning; University of Pennsylvania, Philadelphia, PA

- 2008-2009 **Democratic and Civic Engagement Intern**
Urban Nutrition Initiative; Barbara and Edward Netter Center for Community Partnerships; University of Pennsylvania, Philadelphia, PA
- 2008 **Penn Undergraduate Environmental Health Scholar**
Center for Excellence in Environmental Toxicology; University of Pennsylvania, Philadelphia, PA
- 2007 **Student Field Research Assistant**
Department of Earth & Environmental Studies; University of Pennsylvania, Philadelphia, PA
- 2005 **Student Field Research Assistant**
School of Marine and Atmospheric Sciences; State University New York (SUNY), Stony Brook, NY

HONORS AND AWARDS

- 2013 **Student Poster Award**, Department of Epidemiology, University of Michigan
- 2010 **Elaine B. Wright Award for Excellence in Applying Environmental Science to Community Service**, Department of Earth and Environmental Science, University of Pennsylvania
- 2009 **Student Achievement Poster Award**, Environment Section, American Public Health Association
- 2006 **Science Talent Search Semifinalist**, Student Science, Intel

MEMBERSHIPS

Scientific Associations

- 2015-present **Co-Chair Older Adult Working Group**, Physical Activity Policy Research Network (PAPRN+)
- 2014-present **Member**, Gerontological Society of America (GSA)
- 2013-present **Member**, Population Association of America (PAA)
- 2009-present **Member**, American Public Health Association (APHA)

PUBLICATIONS

Published

- 2018** Peer-Reviewed Book Chapter: **Hirsch, J.A.** and Winters, M. (2018) "Walkability and Physical Activity" *Routledge Handbook of Health Geography* V.A. Crooks, G. Andrews, J. Pearce(eds)
- Hirsch, J. A.**, DeVries, D. N., Brauer, M., Frank, L. D., & Winters, M. (2018). "Impact of new rapid transit on physical activity: A meta-analysis." *Preventive Medicine Reports*.
- ¹Johnson, D.A., ¹**Hirsch J.A.**, Moore, K.A., Redline, S., Diez Roux, A.V. (2018) "Associations between the Built Environment and Sleep: The Multi-Ethnic Study of Atherosclerosis (MESA)" ¹joint first authors *American Journal of Epidemiology* 187 (5), 941-950
- 2017** Baek, J., **Hirsch, J.A.**, Moore, K.A., Tabb, L.P., Barrientos-Gutierrez, T., Lisabeth, L.D., Diez Roux, A.V., Sanchez, B.N. (2017) "Methods to study variation in the associations between food store availability and body mass in the Multi-Ethnic Study of Atherosclerosis" *Epidemiology* 28 (3), 403-411
- Clarke, P.J., **Hirsch, J.A.**, Melendez, R., Winters, M., Sims-Gould, J., Ashe, M.A., Furst, S., McKay, H.A. (2017) "Snow and Rain Modify Neighborhood Walkability for Older Adults" *Canadian Journal on Aging/La Revue canadienne du vieillissement* 36(2), 159-169.
- Hirsch, J. A.**, Winters, M., Sims-Gould, J., Clarke, P. J., Ste-Marie, N., Ashe, M., & McKay, H. A. (2017). "Developing a comprehensive measure of mobility: mobility over varied environments scale (MOVES)." *BMC public health*, 17(1), 513.

Hirsch, J.A.¹, Meyer, K.A.¹, Zhang, L., Rodriguez, D.A., Peterson, M., Gordon-Larsen, P. (2017) “Municipal investment in off-road trails and changes in bicycle commuting in Minneapolis, Minnesota over 10 years: a longitudinal repeated cross-sectional study” *International Journal of Behavioral Nutrition and Physical Activity* |joint first authors 14(1), 21.

Hirsch, J.A. (2017) “What I'm Reading: “The Quarter-Life Breakthrough”” *The Chronicle of Higher Education* 63(21) (online at <http://www.chronicle.com/article/What-Im-Reading-The/238967>)

2016 Diez Roux, A.V., Mujahid, M.A., **Hirsch, J.A.**, Moore, K.A., Moore, L.V. (2016) “The impact of neighborhoods on cardiovascular risk: the MESA Neighborhood Study” *Global Heart*, 11(3), 353-363

Hirsch, J.A., Winters, M., Clarke, P.J., Ste-Marie, N., McKay, H.A. (2016) “The Influence of Walkability on Broader Mobility for Canadian Middle Aged and Older Adults: an examination of Walk Score™ and the Mobility Over Varied Environments Scale (MOVES)” *Preventive Medicine* DOI: 10.1016/j.ypmed.2016.09.036

Hirsch, J.A., Grengs, J., Schulz, A., Adar, S., Rodriguez, D., Brines, S.J., Diez Roux, A.V. (2016) “How Much are Built Environments Changing, and Where?: Patterns of Change by Neighborhood Sociodemographic Characteristics across Seven U.S. Metropolitan Areas” *Social Science and Medicine*, 169, 97-105. DOI: 10.1016/j.socscimed.2016.09.032

Hirsch, J.A., Green, G.F., Peterson, M., Rodriguez, D.A., Gordon-Larsen, P. (2016) “Neighbourhood Sociodemographics and Change in Built Environment Infrastructure” *Journal of Urbanism: International Research on Placemaking and Urban Sustainability*, 1-17 DOI: 10.1080/17549175.2016.1212914

Rummo, P.E., **Hirsch, J.A.**, Green Howard, A., Gordon-Larsen, P. (2016) “In which neighborhoods are older adult populations expanding?: Sociodemographic and built environment characteristics across neighborhood trajectories of older adult populations in four U.S. cities over 30 Years” *Gerontology and Geriatric Medicine* 2. DOI: 10.1177/2333721416655966

Hirsch, J.A., Meyer, K. A., Peterson, M., Rodriguez, D.A., Song, Y., Peng, K., Huh, J., Gordon-Larsen, P. (2016) “Obtaining Longitudinal Built Environment Data Retrospectively across 25 Years in Four US Cities” *Frontiers in public health*, 4. DOI: 10.3389/fpubh.2016.00065

Moore, K.A., **Hirsch, J.A.**, Tomey, K., Mair, C., Sanchez, B., Diez Roux, A.V. (2016) “Neighborhood Social Resources and Depressive Symptoms: Longitudinal Results from the Multi-Ethnic Study of Atherosclerosis” *Journal of Urban Health*, 1-17. DOI: 10.1007/s11524-016-0042-0

Maurer, L.K., Rodriguez, D.A., Evenson, K.R., **Hirsch, J.A.**, Moore, K.A., Diez Roux, A.V. “Walkability and Cardiometabolic Risk Factors: Cross-Sectional and Longitudinal Associations from the Multi-Ethnic Study of Atherosclerosis” *Health & place*, 39, 9-17. DOI: 10.1016/j.healthplace.2016.02.006

Gartner, D.R., Taber, D.R., **Hirsch, J.A.**, Robinson, W.R. (2016) “The spatial distribution of gender differences in obesity prevalence differs from overall obesity prevalence among US adults” *Annals of epidemiology* 26(4), 293-298. DOI: 10.1016/j.annepidem.2016.02.010

Lee, N., Voss, C., Frazer, A., **Hirsch, J.A.**, McKay, H.A., Winters, M. (2016) “Does Activity Space Size Influence Physical Activity Levels of Adolescents? - A GPS study of an urban environment” *Preventive medicine reports*, 3, 75-78. DOI: 10.1016/j.pmedr.2015.12.002

Spalt, E.W., Curl, C.L., Allen, R.W., Cohen, M., Williams, K., **Hirsch, J.A.**, Kaufman, J.D. (2016) “Factors influencing time-location patterns and their impact on estimates of exposure: The Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air)” *Journal*

of *Exposure Science And Environmental Epidemiology*, 26, 341–348 DOI: 10.1038/jes.2015.26

Morris, E.A. and **Hirsch, J.A.** (2016) “Does Rush Hour See a Rush of Emotions? Driver Mood in Conditions Likely to Exhibit Congestion” *Travel behaviour and society*, 5, 5-13. DOI: 10.1016/j.tbs.2015.07.002

Hirsch, J.A., Winters, M., Ashe, M.A., Clarke, P.J., McKay, H.A. (2016) “Destinations that Older Adults Experience within their GPS Activity Spaces: Relation to Objectively Measured Physical Activity” *Environment and Behavior*, 48(1), 55-77. DOI: 10.1177/0013916515607312

2014 Hirsch, J.A., Winters, M., Clarke, P., McKay, H.A. (2014) “Generating GPS activity spaces that shed light upon the mobility habits of older adults: a descriptive analysis.” *International Journal of Health Geographics*, 13(1), 51. DOI: 10.1186/1476-072X-13-51

Hirsch, J.A., Moore, K., Clarke, P., Rodriguez, D.A., Evenson, K.R., Brines, S.J., Zagorski, M.A., Diez Roux, A.V. (2014) “Changes in the Built Environment and Changes in the Amount of Walking Over Time: Longitudinal Results From the Multi-Ethnic Study of Atherosclerosis” *American Journal Epidemiology*, 180(8), 799-809. DOI:10.1093/aje/kwu218

Hirsch, J.A., Moore, K., Barrientos-Gutierrez, T., Brines, S.J., Zagorski, M., Rodriguez, D.A., Diez Roux, A.V. (2014) “Built Environment Change and Change in BMI and Waist Circumference: Multi-Ethnic Study of Atherosclerosis” *Obesity*, 22(11), 2450-2457. DOI: 10.1002/oby.20873

Hirsch, J.A., James, P., Robinson, J., Eastman, K., Conley, K., Laden, F. (2014) “Using MapMyFitness to Place Physical Activity into Neighborhood Context” *Frontiers in Public Health Education and Promotion* 2, no19. DOI: 10.3389/fpubh.2014.00019

Hirsch, J.A., Moore, K.A., Evenson, K.R., Rodriguez, D.A., Diez Roux, A.V. (2014) “Change in Walking and BMI Following Residential Relocation: the Multi-Ethnic Study of Atherosclerosis.” *American Journal of Public Health*, 104(3), e49-e56. DOI: 10.2105/AJPH.2013.301773

2013 Hirsch, J.A., Diez Roux, A.V., Rodriguez, D.A., Brines, S.J., Moore, K. (2013). “Discrete Land Uses and Transportation Walking: The Multi-Ethnic Study of Atherosclerosis (MESA).” *Health and Place*, 24, 196-202. DOI: 10.1016/j.healthplace.2013.09.007

Hirsch, J.A., Moore, K.A., Evenson, K.R., Rodriguez, D.A., Diez Roux, A.V. (2013). “Associations of Walk Score® and Transit Score® with Walking in the Multi-Ethnic Study of Atherosclerosis.” *American Journal Preventive Medicine*, 45(2), 158-166. DOI: 10.1016/j.amepre.2013.03.018 Invited videocast found at: <http://y2u.be/k-73mMirHIs>

Hirsch, J.A., and Hillier, A. (2013). “Exploring the role of the food environment on food shopping patterns in Philadelphia, PA: A Semiquantitative Comparison of Two Matched Neighborhood Groups.” *International Journal Environmental Research and Public Health*, 10(1), 295-313. DOI:10.3390/ijerph10010295

2012 Hirsch, J.A., Hafeez, K., Kaselitz, T., Lu, J., Oltean, H., Shea, P., Simpson, M., Thaivalappil, S., and Lisabeth, L. (2012). “Fruit and Vegetable Intake and Food Store Access: A Cross-Sectional Survey Study in Ypsilanti, Michigan.” *Michigan Journal of Public Health*, 6(1), 9-31. (ISSN) 1937-2515 available at http://www.mipha.org/pdf/mjph/MJPH_V6_I1_2012_FINALv1.pdf

Submitted

Pugh C., **Hirsch J.A.**, Voss C., Sims-Gould J., Lear S., McKay H., Winters M. "Changes in Physical Activity Among Older Adults After a New Greenway Development in Vancouver, BC"

Hirsch J.A., Winters M., Stehlin J., Hosford K., Mooney S.J. “Roadmap for free-floating bikeshare research and practice”

Mooney S.J., Hosford K., Howe B., Yan A., Winters M., Bassok A., **Hirsch J.A.** “Freedom from the Station: Spatial Equity in Access to Dockless Bike Share”

Working Manuscripts

Chen, Y., Adar, S.A., Marshall, J.D., **Hirsch, J.A.**, Park, S.K., Rodriguez, D.A., Evenson, K.R., Sampson, P.D., Magzamen, S., Kaufman, J.D., Diez-Roux, A.V., O’Neill, M.S. “Air Pollution, Social Disadvantage, and Walking in Six United States Cities: the Multi-Ethnic Study of Atherosclerosis”

Al-Hasan, D., Rahimi, G., Miller, M., **Hirsch, J.A.** “Spatial patterning of Alzheimer’s Disease and Related Disorders in the South Carolina Alzheimer’s Registry”

Hirsch J.A., Thrun, E., Jones, S., Eisenberg, Y., Chiqui, J. F. “Streets for Everyone at Every Age: Examining Complete Streets Policy Language for Older Adult Users”

Peng, K., Song, Y., Rodriguez, D.A., **Hirsch, J.A.**, Gordon-Larsen, P. “Association between Baseline Urbanicity and Change in Neighborhood Food Profile: A Case Study in Minneapolis Seven-County Area Using Panel Data”

Hirsch J.A., Moore K., Quinn J., Cahill J., Zhao Y., Brown J., Bayer J., Rundle A., Lovasi G. “Methods of Business Data Categorization and Refinement for Application in Longitudinal Neighborhood Health Research.”

Kaufman T.K., Rundle A., Neckerman K.M., Sheehan D.M., Lovasi G.S., **Hirsch J.A.** “Neighborhood Recreation Facilities and Facility Membership are Jointly Associated with Objectively Measured Physical Activity in the New York City Physical Activity Transit (PAT) Survey 2010-2011”

Tsui J., Bayer J., Lovasi G.S., **Hirsch J.A.** “National Trends in Geographic Access to Health Care Facilities”

PRESENTATIONS

Invited Presentations

- Nov 2017 “Understanding Behavior through Activity Spaces from GPS data” *Drexel GIS Day*
- Dec 2015 “Planning for Health: Constructing evidence for the built environment’s influence on health” *Social Epidemiology Seminar, University of North Carolina Department of Epidemiology*
- Nov 2014 “Symposium: Aging in the Context of Neighborhood Change” *Gerontological Society of America Annual Scientific Meeting*
- Sept 2014 “Change in the Built Environment and Change in Walking and Obesity in Middle-Age and Older-Adults” *Cardiovascular Disease Epidemiology Seminar Series, University of North Carolina Department of Epidemiology*
- Feb 2013 “Walk Score® and Transit Score® with Walking in the Multi-Ethnic Study of Atherosclerosis.” *Doctoral Student Day, University of Michigan Department of Epidemiology*

Refereed Presentations

- Sept 2018 Equity in Seattle Free-floating pilot (Siting in the New Age; New Strategies) *North American Bike Share Association and Better Bike Share Partnership Conference*
- May 2018 Camp Session: Defining and Measuring Gentrification *National Neighborhood Indicators Partnership*
- Feb 2018 Active living improv: Using improvisational comedy to collaborate and generate creative future solutions *Active Living Research Conference*
- Feb 2017 The Influence of Walkability on Broader Mobility for Canadian Older Adults: an examination of Walk Score™ and the Mobility Over Varied Environments Index (MOVE-I) *Active Living Research Conference*
- Nov 2016 Streets for Everyone at Every Age: Examining Complete Streets Policy Language for Older Adult Users *Gerontological Society of America Annual Scientific Meeting*
- June 2016 Associations Between the Built Environment and Objective Measures of Sleep: The Multi-Ethnic Study of Atherosclerosis (MESA) *Epidemiology Congress of the Americas*

- Feb 2016 The Influence of Walkability on Broader Mobility for Canadian Older Adults: an examination of Walk Score™ and the Mobility Over Varied Environments Index (MOVE-I) *RWJ Active Living Research Conference*
- April 2015 “Neighborhood Socioeconomic Status and Change in Built Environment Infrastructure” *Population Association of America (PAA)*
- Feb 2015 “Destinations that Older Adults Experience within their Activity Spaces: Relation to Physical Activity” *RWJ Active Living Research Conference*
- Aug 2014 “Pre-Conference Workshop: Measuring the Neighborhood Social Environment: Lessons from the Social Sciences” *International Society for Environmental Epidemiology*
- March 2014 “Utilizing the “Quantified Self” to Move from Niche to Norm: Strategies for Incorporating Modern Technologies into Assessment and Evaluation” *RWJ Active Living Research Conference*
- Nov 2013 “Change in the Built Environment: A Descriptive Analysis of Six U.S. Cities” *American Public Health Association (APHA) in the Environment and Health student poster achievement session*
- April 2013 “The Multi-Ethnic Study of Atherosclerosis: Neighborhood Environment and Walking in a Cohort of Middle- and Older-age Adults” *Geriatrics Center Research Symposium*
- Feb 2013 “Associations of Walk Score® and Transit Score® with Walking in the Multi-Ethnic Study of Atherosclerosis.” *RWJ Active Living Research Conference*
- March 2012 “Discrete Land Uses and Transportation Walking: The Multi-Ethnic Study of Atherosclerosis (MESA)” *RWJ Active Living Research Conference*
- Oct 2011 “Shared Geographic Spaces: Investigating the Individual Food Environments of Urban Neighbors in Philadelphia” *American Public Health Association (APHA) Food Availability, Accessibility and Pricing in School and Community Environments*
- April 2011 “Shared Geographic Spaces: Investigating the Individual Food Environments of Urban Neighbors in Philadelphia” *10th Annual Michigan Epidemiology Conference*
- Nov 2009 “Heavy metals in urban community gardens: An analysis of risk to gardeners and the food they produce in West Philadelphia” *American Public Health Association (APHA) in the Environment and Health student poster achievement session*
- Oct 2009 “Heavy metals in urban community gardens: Analysis of risk to gardeners in West Philadelphia” *CDC National Environmental Public Health Conference*
- Aug 2009 “The Ecology of Obesity: How environmental choices in the Baltimore Avenue corridor may determine nutrition” *USDA Student Scholar Symposium*

TEACHING ACTIVITIES

Formal Training

- 2014 **University of Michigan Graduate Teacher Certificate**
Center for Research on Learning and Teaching, University of Michigan
Five Components (more information at: <http://crlt.umich.edu/um.gtc>):
- A. Orientation to college teaching and student learning
 - B. Learning about teaching (diversity, teaching methods, technology)
 - C. Instructional practice (Graduate Student Instructorship with feedback)
 - D. Mentorship on teaching (designing, presenting, and receiving feedback on a guest lecture or syllabus)
 - E. Reflection on instructional practice
- 2013 **Preparing Future Faculty May Seminar Series**
Center for Research on Learning and Teaching, University of Michigan

Courses and Guest Lectures

- 2018 **Course Instructor**
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
PBHL301: Epidemiology in Public Health
- Course Instructor**
Urban Strategies, Westphal College of Media Arts and Design
PBHLT680/URBS650: Urbanism, Health and the Built Environment

Guest Lecturer

Environmental Health, Dornsife School of Public Health, Drexel University
PBHL314 Environmental and Occupational Health
Lecture: “Built Environment and Health”

2017 **Course Instructor**

Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina
EPID 410: Principles of Epidemiology

2016 **Guest Lecturer**

Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina
EPID 410: Principles of Epidemiology
Lecture: “Won’t you be my neighbor? Understanding neighborhood influences on physical activity and health”
EPID 745: Seminar in Epidemiology
Lecture: “Planning for Health: constructing evidence for the built environment’s influence on health”

2016 **Course Instructor**

Urban Health Collective, Dornsife School of Public Health, Drexel University
The Built Environment and Health

2016 **Guest Lecturer**

Epidemiology, University of North Carolina at Chapel Hill
EPID 826: Social Epidemiology: Analysis & Interpretation
Lecture: “Novel data sources: using commercial, social media data to study everyday influences on health.”

2016 **Guest Lecturer**

Epidemiology, University of North Carolina at Chapel Hill
EPID 799A: Social Epidemiology Training Seminar
Lecture: “Walkability and Sleep: I will walk 500 miles, and I will sleep 500 minutes?”

2015 **Guest Lecturer**

Faculty of Health Sciences, Simon Fraser University
HSCI 472-3: Special Topics in Health Sciences II: Health & the Built Environment
Lecture: “Challenges in Built Environment and Health Research”

2014 **Guest Lecturer**

Epidemiology, University of North Carolina at Chapel Hill
EPID 799A: Social Epidemiology Training Seminar
Lecture: “Won’t You Be My Neighbor?: Defining Neighborhoods”

2014 **Graduate Student Instructor**

Epidemiology, University of Michigan
EPID503: Strategies and Uses of Epidemiology

2014 **Guest Lecturer**

Health Promotion and Behavioral Science, University of Texas
PHM1113: Advanced Methods for Planning and Implementing Health Promotion Programs (Intervention Mapping)
Virtual Lecture: “Introduction to GIS” (1 day mini-course on ArcGIS)

2013 **Graduate Student Instructor**

Epidemiology, University of Michigan
EPID601: Principles and Methods of Epidemiology

2013 **Guest Lecturer**

Technical Middle College, Washtenaw Community College
Ninth-Grade Academy Program

Lecture: "Progression of Medical Ideas & Epidemiologic Science throughout History"

2010-2013 **Guest Lecturer**

Health Behavior and Health Education, University of Michigan
HBHE 641: Needs Assessment Methods for Behavioral and Educational Health Programs
Lecture: "Introduction to GIS" (1-4 day mini-course on ArcGIS)

2012 **Guest Lecturer**

Urban Planning, University of Michigan
UP406: Introduction to Geographic Information Systems
Lecture: "GIS in Public Health Research"

2010 **Institute Assistant**

City and Regional Planning, University of Pennsylvania
Built Environment Assessment Training (BEAT) Institute
Training: ArcGIS and NEMS

Formal Mentorship

2016 **Dana Al-Hasan**, Doctoral Student. Epidemiology and Biostatistics, University of South Carolina, Columbia

2015 **Corinne Clarke O'Brien**, Undergraduate Summer Intern. Carolina Population Center, University of North Carolina, Chapel Hill

2013-2014 **Jamaica Robinson**, Master of Public Health. Epidemiology, University of Michigan, Ann Arbor

2011 **Beki Cohen**, Master of Public Health. Epidemiology, University of Michigan, Ann Arbor

2009-2010 **Research Peer Advisor**, Center for Undergraduate Research and Fellowship, University of Pennsylvania

GRANTS & FELLOWSHIPS

Current Funding

Freedom from the Station: Spatial Equity in Access to Dockless Bike Share

People For Bikes, Better Bike Share Partnership *Role: Principal Investigator*. 3/1/2018-5/31/2019
Total Yearly Costs \$71,881

Communities Designed to Support Cardiovascular Health for Older Adults (R01 AG049970)

National Institute on Aging *Role: Assistant Research Professor*. Principal Investigator: Gina Lovasi.
9/1/2015-4/30/2019 Total Yearly Costs \$590,385

Characterizing the Health Impacts of Built Environment Features Using Complex Data (R01 HL131610) National Heart, Lung, and Blood Institute. *Role: Assistant Research Professor*. Principal Investigator: Brisa Sanchez. 2/15/2017-1/31/2022 Total Yearly Costs \$732,212

Shape the Path: Targeting the Health and Mobility of Older Men through Key Community Partnerships Canadian Institutes of Health Research (F14-03087). *Role: Visiting Researcher*.

Principal Investigators: Matthew Steven Herman, Heather McKay and Joanie Sims-Gould.
11/01/2014-10/31/2019 Total Costs: \$701,709

Completed Funding

Walk The Talk (WTT) Transforming the Built Environment to Enhance Mobility in Seniors

Canadian Institutes of Health Research. *Role: Visiting Postdoctoral Fellow*. Principal Investigators: Bryan Stirling and Heather McKay. 10/01/2010-09/30/2016 Total Costs: \$1,500,000

Population Research Training (T32 HD007168) Eunice Kennedy Shriver National Institute of Child Health and Human Development. *Role: Postdoctoral Trainee*. Principal Investigator: Carolyn Halpern. 07/01/1979-04/30/2019. Total Costs: \$594,308 (in 2014)

Population Research Infrastructure Program (R24 HD050924; P2C HD050924) Eunice Kennedy Shriver National Institute of Child Health and Human Development. *Role: Postdoctoral Trainee*.

Principal Investigator: Samuel Philip Morgan. 07/11/2005-08/31/2015. Total Costs: \$1,041,276 (in 2014)

Environmental Changes and Health Outcomes Across 25 Years: Four U.S. Cities (R01 HL114091) National Heart, Lung and Blood Institute. *Role: Postdoctoral Researcher.* Principal Investigator: Penny Gordon-Larsen. 09/30/2011-06/30/2015. Direct Costs: \$1,127,250

Neighborhoods and Cardiovascular Risk in a Multiethnic Cohort (R01 HL071759) National Heart, Lung and Blood Institute. *Role: Graduate Research Assistant.* Principal Investigator: Ana Diez Roux. 06/02/2003-05/31/2014. Total Costs: \$592,445 (in 2013)

Interdisciplinary Research Training in Health and Aging (T32 AG027708) National Institute of Aging. *Role: Predoctoral Trainee.* Principal Investigator: Carlos Mendes De Leon. 04/01/2006-04/30/2019. Total Costs: \$86,276 (in 2012)

Advancing Measurement and Modeling of Healthy Food and Activity Landscapes (2010-85215-20659) USDA National Institute of Food and Agriculture Human Nutrition and Obesity Program. *Role: Student Research Assistant.* Principal Investigators: Amy Hillier and Karen Glanz. 04/01/2010-03/31/2015. Total Costs: \$1,400,000

Evaluation Evaluating the Impact of WIC Voucher Changes on Low-income Families and Neighborhoods (Grant #66953) Robert Wood Johnson Foundation Healthy Eating Research Program. *Role: Student Research Assistant.* Principal Investigator: Amy Hillier. 11/1/2009-10/31/2010. Total Costs: \$150,000

Exploring relationships between adult physical activity and measures of community environmental characteristics (Grant #52319) Robert Wood Johnson Foundation Active Living Research Program. *Role: GIS Data Processer.* Principal Investigator: Kelly Evenson. 12/1/2004-11/30/2008. Total Costs: \$300,000

Validation of SOPARC and Use in Diverse Populations (R01 HL092569) National Heart, Lung and Blood Institute. *Role: Student Research Assistant.* Principal Investigator: Deborah Cohen. 04/15/2008-03/31/2013. Total Costs: \$778,648 (in 2008)

Summer Mentorship in Environment Health Sciences (R25 ES016146) National Institute of Environmental Health Sciences. *Role: Trainee.* Principal Investigator: Linda McCauley. 01/01/2008-10/30/2012. Total Costs: \$59,395 (in 2008)

Internal Awards

- 2011, 2013 Rackham Conference Travel Grant
- 2012 Rackham Pre-Candidate Research Grant
- 2010 Rackham Recruitment Fellowship
- 2009-2010 Earth & Environmental Science Professional Master Program Capstone Research Award
- 2009-2010 The Vagelos Undergraduate Research Grant
- 2009 The College Undergraduate Travel Grant
- 2009 Institute for Urban Research Undergraduate Urban Research Course and Grant

PUBLIC SERVICE

Service to Department, School, University

- 2017-present **Member**, Research and Data Core, Urban Health Collaborative, Drexel University
- 2016 **Member**, Faculty Search Committee, Department of Epidemiology and Biostatistics, University of South Carolina
- 2015-2016 **Postdoctoral Representative**, Carolina Population Center, University of North Carolina Chapel Hill
- 2010-2014 **Member**, Events Committee, Center for Social Epidemiology and Population Health, University of Michigan
- 2012-2013 **Student Member**, Doctoral Committee, Department of Epidemiology, University of Michigan
- 2011-2013 **Student Member**, Sustainable Food Systems Faculty Search Committee, Departments of Epidemiology, Environmental Health and Health Behavior Health Education, University of Michigan
- 2010-2012 **Epidemiology Doctoral Representative**, Rackham Graduate Student Forum, University

of Michigan
2010-2011 **Member**, Committee to Develop Epidemiology Educational Resources, Department of
Epidemiology, University of Michigan

PROFESSIONAL SERVICE

Reviewer

Journals *American Journal of Preventive Medicine*
American Journal of Epidemiology
Annals of Epidemiology
BMC Public Health
Environmental Health Perspectives
Environment and Behavior
Frontiers
Health and Place
International Journal of Environmental Research and Public Health
Journal of Epidemiology & Community Health
Preventing Chronic Disease
Public Health Nutrition
Public Opinion Quarterly
Preventive Medicine
Preventive Medicine Reports
Spatial and Spatio-temporal Epidemiology

Conferences Active Living Research (2016, 2017)

Grants SALURBAL Pilot Funding (2018)
NIH Reviewer: Multilevel physical activity interventions (2018)

PRACTICE

National Speaking Engagements

2018 **Invited Speaker**, 2018 March for Science, Washington, DC

Local Speaking Engagements

2018 **Public Health Equity Expert Panalist**, Healthy Communities Task Force and Regional Safety Task Force Joint Meeting, “Just Streets: The Intersection of Crises, Equity, and Health”, Delaware Valley Regional Planning Commission, Philadelphia, PA
2018 **Equity Speaker**, City of Philadelphia Vision Zero Workshop, Philadelphia Office of Transportation & Infrastructure Systems, Philadelphia, PA
2015 **Research Expert (Health and Urban Development)**, Chatham County Health Department, Chatham County, NC

Community-Driven Evaluations

2008-2010 **Volunteer heavy metal analyst**, Urban Tree Connection, Philadelphia, PA
2009 **Volunteer evaluator** of the Baltimore Avenue corridor access to healthy foods, University City, Philadelphia, PA

Academically-based Community Service

2008-2009 **Garden Volunteer and Senior Project Coordinator**, University City High School and West Philadelphia High School, Agatston Urban Nutrition Initiative, Philadelphia, PA

SKILLS

Software ESRI ArcGIS suite Actigraph accelerometer software
ArcPy Python for ArcGIS Pendragon software
SAS QStar GPS software

Field SOPARC observer
NEMS-R, NEMS-S evaluator