

# CURRICULUM VITAE

Certification. I have read the following and certify that this *curriculum vitae* is a current and accurate statement of my professional record.

Signature: 

Date: 2/27/2018

## I. Personal Information

**Name:**

Jennifer Denise Roberts

**UID:**

114503213

**Contact Information:**

Department of Kinesiology  
University of Maryland School of Public Health  
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Personal Website: <http://www.jenniferdeniseroberts.com>

**Current Rank:**

Assistant Professor

**Appointed:**

August 2015

## A. Academic Appointments

- |                |   |
|----------------|---|
| 2015 – Present | <b>Assistant Professor</b> , Department of Kinesiology, University of Maryland School of Public Health (UMD-SPH), College Park, MD          |
| 2017 – Present | <b>Affiliate</b> , Consortium on Race, Gender & Ethnicity, University of Maryland, College Park, MD   |
| 2015 – Present | <b>Affiliate</b> , Maryland Population Research Center, University of Maryland, College Park, MD  |
| 2015 – Present | <b>Director</b> , Public Health Outcomes and Effects of the Built Environment (PHOEBE) Laboratory, University of Maryland, College Park, MD |

- 2011 – 2015      **Assistant Professor**, Uniformed Services University (USUHS), F. Edward Hébert School of Medicine, Department of Preventive Medicine and Biometrics, Division of Occupational and Environmental Health Sciences, Bethesda, MD
- 2008 – 2015      **Adjunct Assistant Professor**, Department of Environmental and Occupational Health Sciences, University of Illinois at Chicago (UIC) School of Public Health, Chicago, IL

## **B. Professional Work Experience**

- 2007 – 2011      **Senior Scientist**, Health Sciences Center for Exposure Assessment and Dose Reconstruction, Exponent®, Wood Dale, IL
- 2005 – 2007      **Senior Health Scientist**, ChemRisk®, San Francisco, CA
- 2004 – 2005      **Post-Doctoral Fellow**, Board on Environmental Studies and Toxicology, The National Academies, Washington, D.C
- 2002              **Christine Mirzayan Science & Technology Policy Graduate Fellow**, Board on Children, Youth, and Families, The National Academies, Washington, DC

## **C. Educational Background**

- 2004              **Dr.PH (Environmental Health Sciences)**, Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD
- 2002              **Risk Sciences and Public Policy Certificate**, Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD
- 2000              **M.P.H (Environmental and Occupational Health)**, Emory University Rollins School of Public Health, Atlanta, GA
- 1996              **A.B. (Health and Society)**, Brown University, Providence, RI

# **II. Research, Scholarly, and Creative Activities**

## **A. Books**

### **I. BOOKS AUTHORED**

1. CCA (expert panel author). (2015). *Understanding the Evidence: Wind turbine Noise – The Expert Panel on Wind Turbine Noise and Human Health*. The Council of Canadian Academies, Ottawa, Canada.
2. NRC (contributing author). Toxicity testing for assessment of environmental agents. Interim Report. National Research Council, National Academy Press, Washington, DC, 2006.

3. NRC (contributing author). Iodotrifluoromethane: Toxicity review. National Research Council, National Academy Press, Washington, DC, 2004.

## II. BOOKS EDITED

1. Editor, Encyclopedia of Quantitative Risk Analysis and Assessment (2008), Wiley Publishers, West Sussex, England, Co-Editor of Toxic Substances/Chemical Risk Section

## B. Chapters

### I. ENCYCLOPEDIA

1. Gaffney SH, **ROBERTS JD**. (2008). *Occupational Risks*. In: Encyclopedia of Quantitative Risk Analysis and Assessment. Section Eds. Dennis Paustenbach and Jennifer Roberts. (Wiley Publishers), West Sussex, England, Volume 3.

## C. Refereed Journal Articles

### I. REFERRED JOURNAL ARTICLES

\*DENOTES STUDENT PAPER

1. **ROBERTS JD**, Hu, M, Saksvig BI, Brachman ML, Durand CP. (2018). Examining the influence of a new light rail line on the health of a demographically diverse and understudied population within the Washington, DC metropolitan area: A protocol for a natural experiment study. International Journal of Environmental Research and Public Health. doi:10.3390/ijerph15020333  
*Senior author; conceptualized and designed study; wrote and co-edited manuscript with all colleagues*
2. **ROBERTS JD**, Rodkey L, Ray R, Saelens B. (In Press). Don't forget about public transportation: Analysis of the association of active transportation to school among Washington DC area children with parental perceived built environment measures. Journal of Physical Activity and Health. doi: 10.1123/jpah.2017-0266.\*  
*Senior author; conceptualized and designed study; collected and analyzed data; supervised graduate student manuscript writing; co-wrote and co-edited manuscript with all colleagues*
3. **ROBERTS JD**, Rodkey L, Grisham C, Ray R. (2017). The Influence of family dog ownership and parental perceived built environment measures on children's physical activity within the Washington DC area. International Journal of Environmental Research and Public Health. doi:10.3390/ijerph14111398.\*  
*Senior author; conceptualized and designed study; collected and analyzed data; supervised graduate and undergraduate students manuscript writing; co-wrote and co-edited manuscript with all colleagues*
4. Ray R, Sewell AA, Gilbert KL, **ROBERTS JD**. (2017). Missed opportunity? Leveraging mobile technology to reduce racial health disparities. Journal of Health Politics, Policy and Law. doi: 10.1215/03616878-3940477.  
*Author; co-conceptualized study design; co-edited manuscript with all colleagues*

5. **ROBERTS JD**, Rodkey L, Ray R, Knight B, Saelens B. (2017). Electronic media time and sedentary behaviors in children: Findings from the Built Environment and Active Play Study in the Washington DC Area. Preventive Medicine Reports. doi:10.1016/j.pmedr.2017.02.021.\*  
*Senior author; conceptualized and designed study; collected and analyzed data; supervised graduate student manuscript writing; co-wrote and co-edited manuscript with all colleagues*
  
6. **ROBERTS JD**, Knight B, Ray R, Saelens B. (2016). Parental perceived built environment measures and active play in Washington DC Metropolitan children. Preventive Medicine Reports. 3. doi: 10.1016/j.pmedr.2016.04.001.  
*Senior author; conceptualized and designed study; collected and co-analyzed data; co-wrote and co-edited manuscript with all colleagues*
  
7. **ROBERTS JD**, Ray R, Biles A, Knight B, Saelens B. (2015). Built environment and active play among D.C. Metropolitan children: A protocol for a cross-sectional study. Archives of Public Health. 73(22). doi:10.1186/s13690-015-0070-3.  
*Senior author; conceptualized and designed study; wrote and co-edited manuscript with all colleagues*
  
8. **ROBERTS JD**, Voss JD, Knight B. (2014). Physical inactivity, ambient air pollution and obesity in the United States. PLoS ONE. 9(3). doi:10.1371/journal.pone.0090143.  
*Senior author; co-conceptualized and designed study; supervised data download and analysis; co-wrote and co-edited manuscript with all colleagues*
  
9. **ROBERTS JD**, Roberts MA. (2013). Wind turbines: Is there a human health risk? J of Environmental Health. 75(8).  
*Special report and journal cover article; senior author; wrote and co-edited manuscript with all colleagues*
  
10. Dorevitch S, Doi M, Hsu F-C, Lin K-T, **ROBERTS JD**, Liu LC, Gladding R, Vannoy E, Li H, Javor M, Scheff PA. (2011). A comparison of rapid and conventional measures of indicator bacteria as predictors of waterborne protozoan pathogen presence and density. J of Environmental Monitoring. 13(9):2427-2435. doi: 10.1039/c1em10379b.  
*Author; co-conceptualized and designed study; co-wrote and co-edited manuscript with all colleagues*
  
11. **ROBERTS JD**. (2009). Have “green” U.S. automobile drivers made an impact on greenhouse gases? Natural Resources and Environment. 24(2).  
*Senior author; conceptualized and designed study; analyzed data; wrote and edited manuscript*
  
12. Donovan E, Unice K; **ROBERTS JD**, Harris M, Finley B. (2008). Risk of gastrointestinal disease associated with exposure to pathogens in the water of the Lower Passaic River. Appl Environ Microbiol. 74(4):994–1003. doi: 10.1128/AEM.00601-07.  
*Author; co-conceptualized and designed study; co-wrote and co-edited manuscript with all colleagues*

13. Donovan E, Staskal D, Unice K, **ROBERTS JD**, Haws L, Finley B, Harris M. (2008). Risk of gastrointestinal disease associated with exposure to pathogens in the sediments of the Lower Passaic River. *Appl Environ Microbiol.* doi: 10.1128/AEM.01203-07.  
*Author; co-conceptualized and designed study; co-wrote and co-edited manuscript with all colleagues*
14. **ROBERTS JD**, Silbergeld EK, Graczyk TK. (2007). A probabilistic risk assessment of *Cryptosporidium* exposure among Baltimore urban anglers. *J Toxicol Environ Health A.* 70(18):1568–1576.  
*Senior author; conceptualized and designed study; analyzed data; wrote and co-edited manuscript with all colleagues*
15. Graczyk TK, McOliver C, Silbergeld EK, Tamang L, **ROBERTS JD**. (2007). Risk of handling as a route of exposure to infectious waterborne *Cryptosporidium parvum* oocysts via Atlantic blue crabs (*Callinectes sapidus*). *Appl Environ Microbiol.* doi: 10.1080/15287390701384791.  
*Author; co-edited manuscript with all colleagues*
16. Geer LA, Cardello N, Dellarco MJ, Leighton TJ, Zendzian RP, **ROBERTS J**, Buckley TJ. (2004). Comparative analysis of passive dosimetry and biomonitoring for assessing chlorpyrifos exposure in pesticide workers. *Ann Occup Hyg.* doi: 10.1093/annhyg/meh056.  
*Author; co-edited manuscript with all colleagues*
17. Riepenhoff-Talty M, Morse K, Wang CH, Shapiro C, **ROBERTS J**, Welter M, Allen M, Evans MJ, Flanagan TD. (1997). Epidemiology of group C rotavirus infection in western New York women of childbearing age. *J Clin Microbiol.* 35(2):486–488.  
*Author; co analyzed data; co-edited manuscript with all colleagues*

## II. REFERRED JOURNAL ARTICLES – REVISE AND RESUBMIT

## III. REFERRED JOURNAL ARTICLES – UNDER REVIEW

## IV. IN PREPARATION JOURNAL ARTICLES

1. **ROBERTS JD**, Mandic S, Fryer CS, Ray R. Exploring Intersectionality in the Physical Environment through a Qualitative Analysis of Active Transportation Experiences among Washington DC Area Youth. *Health and Place.*

## D. Conference, Workshops, and Talks

### I. INVITED TALKS

1. **ROBERTS JD**. “Sedentary Behaviors Among Washington, DC Area Children: Findings from the BEAP Study”. Arlington Partnership for Children, Youth & Families Foundation, Arlington, VA, December 18, 2017.
2. **ROBERTS JD**. Lunch invitation from Tom Gallas to discuss research with wellness group. Torti Gallas + Partners. Architects of a Better World, Silver Spring, MD, November 16, 2017.

3. **ROBERTS JD.** “Transit, Obesity and Public Health”. Action Committee for Transit, Silver Spring Civic Center, Silver Spring, MD, October 10, 2017.
4. **ROBERTS JD.** “Symposium Speaker Presentation - Active Living Among Washington, DC Area Youth”. International Symposium "Active Living and Environment: Towards a Healthier and More Sustainable Future", University of Otago, Dunedin, New Zealand, August 29, 2017.
5. **ROBERTS JD.** “Active Transportation Behaviors and Perceptions Among Washington, DC Area Youth”. International Symposium "Active Living and Environment: Towards a Healthier and More Sustainable Future", University of Otago, Dunedin, New Zealand, August 28, 2017.
6. **ROBERTS JD.** “Built Environment and Active Living Among Washington, DC Area Youth”. Active Living Laboratory Research Seminar Series, School of Physical Education, Sport and Exercise Sciences, University of Otago, Dunedin, New Zealand, August 8, 2017.
7. **ROBERTS JD.** “Kids, Let’s Stand Up!: Findings from the Built Environment and Active Play Study”. Counseling Center’s Research and Development Series, University of Maryland, College Park, MD, October 19, 2016.
8. **ROBERTS JD.** “Active Transportation Among Washington, DC Area Children”. National Center for Smart Growth, 2016 Brown Bay Webinar Series, University of Maryland, College Park, MD, October 3, 2016.
9. **ROBERTS JD.** “Sedentary Behaviors Among Washington, DC Area Children”. Fall Seminar Series, Department of Human Development and Quantitative Methodology. University of Maryland, College Park, MD, September 28, 2016.
10. **ROBERTS JD.** “Where Have All the Children Gone: Findings from the Built Environment and Active Play Study”. Maryland Center for Health Equity (M-CHE) Collegium of Scholars, University of Maryland, College Park, MD, March 9, 2016.
11. **ROBERTS JD.** Mom, Why Can't I Play Outside? Kinesiology Department's Faculty Research Seminar. University of Maryland, College Park, MD, March 3, 2016.
12. **ROBERTS JD.** “Parental perceived built environment measures and active play in Washington DC Metropolitan children”. Maryland Population Research Center’s Special Topics in Population Research Working Group Meeting, University of Maryland, College Park, MD, February 11, 2016.
13. **ROBERTS JD.** “The Relationship Between Physical Activity, Built Environment and Public Health”. School of Public Health Undergraduate Research Faculty Panel, University of Maryland, College Park, MD, November 19, 2015.
14. **ROBERTS JD.** “The association of ambient air pollution and physical inactivity in the United States”. Program for Society and the Environment, University of Maryland, College Park, MD, April 23, 2014.

15. **ROBERTS JD.** "Pursuing a Career in Science". Summer Undergraduate Research Internship Program, USUHS, Bethesda, MD, July 16, 2013.
16. **ROBERTS JD.** "Toxins, Toxicology and Public Health". Young Women's Leadership Charter High School, Chicago, IL, January 7, 2011.
17. **ROBERTS JD.** "Pursuing a Career in Science". Second Annual Science Careers Seminar Series, Malcolm X University, Chicago, IL, October 28, 2010.
18. **ROBERTS JD.** "Risk Analysis and Application", McCormick School of Engineering and Applied Science, Engineering Forensics Lecture Series (CIV\_ENG 395-0), Northwestern University, Chicago, IL, May 27, 2009.
19. **ROBERTS JD.** "Global Environmental Health", Ecology and Environmental Lecture Series, Harry S. Truman College, Chicago, IL, April 23, 2009.
20. **ROBERTS JD.** "Pursuing a career in science and math: The road from undergraduate to graduate school", Celebrating Women in Science and Math, Eastern Illinois University, Charleston, IL, February 17, 2009.

## **II. REFEREED ABSTRACTS**

\*DENOTES STUDENT PAPER

1. **ROBERTS JD,** Mandic S, Fryer CS, Ray R. Exploring Intersectionality in the Physical Environment through a Qualitative Analysis of Active Transportation Experiences among Washington DC Area Youth. Active Living Research Conference, Banff, Canada 2018.\*
2. Huang D, Puett RC, Montresor-Lopez J, Ray R, **ROBERTS JD.** Relationship of Sociodemographic Factors with Indoor and Outdoor Physical Activity in Washington DC Area Children. Active Living Research Conference, Banff, Canada 2018.\*
3. **ROBERTS JD.** "Active Transportation Behaviors and Perceptions Among Washington, DC Area Youth". International Symposium "Active Living and Environment: Towards a Healthier and More Sustainable Future", University of Otago, Dunedin, New Zealand, 2017.
4. **ROBERTS JD,** Knight B, Ray R, Saelens BE. "Kids, you don't need electricity to play!: Findings from the Built Environment and Active Play Study in the Washington DC Area". International Society of Behavioral Nutrition and Physical Activity Conference. Victoria, Canada, 2017.
5. **ROBERTS JD,** Knight B, Ray R, Saelens BE. "Why can't I play outside?: Findings from the Built Environment and Active Play Study". International Society of Behavioral Nutrition and Physical Activity Conference. Active Play Symposium (John Reilly; Mariana Brussoni; Avril Johnstone), Victoria, Canada, 2017.



6. Huang D, Montresor-López JA, Ray R, Puett R, Saelens BE, **ROBERTS JD**. Outdoor and Indoor Play Predictors in Washington DC Metropolitan Children. Public Health Research@Maryland 2017. \*  
*Dina Huang received Doctoral Poster Award*
7. Saideman T and **ROBERTS JD**. Obesity Disparities among Minority and Immigrant Youth: Are Sports Teams a Venue for Intervention. Public Health Research@Maryland 2017.\*
8. **ROBERTS JD**. Is sitting the new smoking for Washington DC area youth? 2017 Children's Environmental Health Translational Research Conference, Washington, DC 2017.
9. Rodkey L, Grisham C, Ray R, Saelens BE, **ROBERTS JD**, Knight B, Ray R, Saelens BE. Family dog ownership, parental perceived built environment measures, and physical activity levels among Washington, D.C. area children. Active Living Research Conference, Clearwater, FL 2017.\*
10. **ROBERTS JD**, Rodkey L, Ray R, Knight B, Saelens BE. The association of neighborhood built environment, electronic media and parental rules with sedentary behaviors in Washington DC area children. Active Living Research Conference, Clearwater, FL 2017.\*
11. **ROBERTS JD**, Rodkey L, Ray R, Saelens BE. Active transportation behaviors among Washington DC area children and the association with parental perceived built environment variables. Active Living Research Conference, Clearwater, FL 2017.\*
12. **ROBERTS JD**, Knight B, Ray R, Saelens BE. The influence of home and neighborhood environments on sedentary behaviors among Washington DC area children. 6th International Congress on Physical Activity and Public Health, Bangkok, Thailand, 2016.
13. **ROBERTS JD**, Knight B, Ray R, Saelens BE. Parental perceived built environment measures and active play in Washington DC Metropolitan children. International Society of Behavioral Nutrition and Physical Activity Conference, Cape Town, South Africa, 2016.
14. Montresor-López JA, Puett RC, Knight B, Ray R, Saelens B, **ROBERTS JD**. Outdoor and Indoor Play Predictors in Washington DC Metropolitan Children. 37th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, Washington, DC, 2016.\*
15. **ROBERTS JD**, Knight B, Ray R, Saelens BE. Parental perceived built environment measures and active play in Washington DC Metropolitan children. Active Living Research Conference, Clearwater, FL 2016.
16. **ROBERTS JD**, Knight B, Ray R, Saelens BE. Sedentary behaviors in Washington DC area children. Poster Presentation. Sedentary Behavior and Health Conference, Urbana-Champaign, IL 2015.
17. **ROBERTS JD**, Voss JD, Knight B. Physical inactivity, ambient air pollution and obesity in the United States. Conference Environment and Health – Bridging South, North, East and West in Basel, Switzerland (International Conference on Environmental Epidemiology and



Exposure; International Society of Exposure Science; International Society of Indoor Air Quality) Abstract Book, Basel, Switzerland, 2013.

18. **ROBERTS JD**, Voss JD, Knight B. Physical inactivity, ambient air pollution and obesity in the United States. Uniformed Services University's Research Days Abstract Book, Washington, DC, 2013.
19. **ROBERTS JD**, Roberts MA. Wind Turbines: Is There a Health Risk? Seventh International Conference on the Science of Exposure Assessment (X2012) Abstract Book, 2012.
20. **ROBERTS JD**, Roberts MA. Wind Turbines and Sustainable Energy: Is There a Health Risk? Annual Conference of the International Society of Exposure Science Abstract Book, 2011.
21. **ROBERTS J**. Have the U.S. automobile drivers "going green" made an impact on greenhouse gases. Annual Conference of the International Society of Exposure Science Abstract Book, 2009.
22. **ROBERTS J**. The incentives and deterrents of choosing an alternative fuel or hybrid electric vehicle. Annual Conference of the International Society of Exposure Science Abstract Book, 2009.
23. **ROBERTS JD**, Reiss R. Human health risk assessment of exposure to pesticides in Parlier, California. *Toxicologist* 2009; 108(1):171.
24. Donovan E, Unice K, **ROBERTS J**, Giles K. Risk analysis of prion transmission during brain surgery: Evaluation of a novel decontamination technique. International Conference on Exposure Analysis Abstract Book, 2007.
25. Silbergeld E, **ROBERTS J**, Graczyk T, McOliver C. Pathogen exposure risks among anglers in urban watersheds. International Conference on Environmental Epidemiology Abstract Book, 2007.
26. **ROBERTS JD**, Galbraith DA, Finley BL. A comprehensive review of occupational exposure to diacetyl in microwave popcorn facilities. *Toxicologist* 2007; 96(1):412–413.
27. Staskal DF, Donovan E, **ROBERTS J**, Unice K, Finley B, Harris M. Human health risk associated with exposure to pathogen-contaminated sediments. *Toxicologist* 2007; 96(1):335.
28. **ROBERTS J**, Galbraith D, Finley B. A comprehensive review of occupational exposure to diacetyl in microwave popcorn facilities. International Conference on Environmental Epidemiology and Exposure Abstract Book, 2006.
29. **ROBERTS J**, Silbergeld E, Graczyk T. A risk analysis of the level of risk to *Cryptosporidium* through consuming or having contact with contaminated fish among Baltimore urban anglers in Maryland. International Conference on Environmental Epidemiology and Exposure Abstract Book, 2006.

30. Donovan E, **ROBERTS J**, Harris M, Finley B. Risk of gastrointestinal disease associated with pathogen exposure in the Lower Passaic River. International Conference on Environmental Epidemiology and Exposure Abstract Book, 2006.
31. **ROBERTS JD**, Silbergeld E, Graczyk T. Risk of Cryptosporidium infection among Baltimore urban anglers. Toxicologist 2006; 90(1):329–330.
32. **ROBERTS J**. Urban fishing: An under-recognized risk. J Urban Health 2003; 80 (Suppl 2).
33. **ROBERTS J**. Comparison of racial identity and body image in black and white female college students. Ann Behav Med. 1997; 19(Suppl):S153.

## **E. Sponsored Research and Programs**

### **I. GRANTS**

#### **FUNDED**

|        |   |
|--------|---|
| Funded | <p><b>Title:</b> <i>Workshop on “Health in Buildings for Today and Tomorrow”</i></p> <p><b>Funder:</b> National Science Foundation</p> <p><b>Role:</b> Co-Investigator (PI: Hu, M)</p> <p><b>Proposed Award:</b> \$24,799</p> <p><b>Proposed Funding Period:</b> 12/1/2017 – 11/30/2018</p> <p><b>Status:</b> Year 1</p>  |
| Funded | <p><b>Title:</b> <i>Purple Line Outcomes on Transportation (PLOT) Study: An Examination of Pre-Purple Line Active Transportation Behaviors and Attitudes among Prince George’s County Residents</i></p> <p><b>Funder:</b> University of Maryland College Park Faculty Incentive Program (Tier I)</p> <p><b>Role:</b> Principal Investigator</p> <p><b>Award:</b> \$49,902</p> <p><b>Funding Period:</b> 8/1/2017 – 7/31/2018</p> <p><b>Status:</b> Year 1</p> |
| Funded | <p><b>Title:</b> <i>Active Living in the United States and New Zealand</i></p> <p><b>Funder:</b> University of Maryland Global Partnerships Faculty Travel Grant</p> <p><b>Role:</b> Principal Investigator</p> <p><b>Award:</b> \$4,160</p> <p><b>Funding Period:</b> 5/23/2017 – 3/1/2018</p> <p><b>Status:</b> Year 1</p>  |
| Funded | <p><b>Title:</b> <i>New Faculty Start-up Funding</i></p> <p><b>Funder:</b> University of Maryland College Park-Department of Kinesiology</p> <p><b>Role:</b> Principal Investigator</p> <p><b>Award:</b> \$40,000</p> <p><b>Funding Period:</b> 8/23/2015 – 8/22/2018</p> <p><b>Status:</b> Year 3</p>  |
| Funded | <p><b>Title:</b> <i>Exploring Intersectionality in the Physical Environment through an Analysis of Active Transportation Experiences among Washington DC area</i></p>   |

*Adolescents*

**Funder:** University of Maryland Consortium on Race, Gender and Ethnicity

**Role:** Principal Investigator

**Award:** \$4,500

**Funding Period:** 5/1/2017 – 4/30/2018

**Status:** Funded

Completed

**Title:** *The Built Environment and Human Health: Two Pilot Studies*

**Funder:** Uniformed Services University Office of Research [C087M8-S2]

**Role:** Principal Investigator

**Award:** \$150,000

**Funding Period:** 8/1/2011 – 8/30/2015

**Status:** Completed

Completed

**Title:** *Ruth L. Kirschstein National Research Service Award (NRSA)*

**Funder:** National Institute of Environmental Health Sciences

**Role:** Principal Investigator

**Award:** Pre-Doctoral

**Funding Period:** 8/1/2001 – 5/31/2004

**Status:** Completed

**UNDER REVIEW**

UMD Nominee

Under Review

**Title:** *Green Urban Sustainability through Environmental Entrepreneurship and Design: g-uSEED*

**Funder:** National Institute on Minority Health and Health Disparities

**Funder:** National Science Foundation Research Traineeship

**Role:** Collaborator (PI: Tilley, D)

**Proposed Award:** \$3,000,000

**Proposed Funding Period:** 9/1/2018 – 8/30/2020

**Status:** Under Review

Under Review

**Title:** *Purple Line Outcomes on Transportation (PLOT) Study: Understanding Strategies for Research Engagement of Underrepresented African American and Latino Populations in Prince George's County, Maryland*

**Funder:** National Institute on Minority Health and Health Disparities

**Role:** Principal Investigator

**Proposed Award:** Loan Repayment

**Proposed Funding Period:** 9/1/2018 – 8/30/2020

**Status:** Under Review

Under Review

**Title:** *Active Transportation in Prince George's County (AT PG County) Project*

**Funder:** University of Maryland Sustainability Fund

**Role:** Principal Investigator

**Proposed Award:** \$24,210

**Proposed Funding Period:** 4/1/2018 – 3/31/2019

**Status:** Under Review

**Unfunded**

**SUBMITTED 2016-2017**

|                         |  |
|-------------------------|--|
| UMD Nominee<br>Unfunded | <b>Title:</b> <i>Exploring Sense of Community Attitudes and Active Transportation Interaction as an Indicator of Community's Connectivity and Public Health</i><br><b>Funder:</b> Dr. Scholl Foundation Research Grant<br><b>Role:</b> Co-Investigator (PI: Hu, M)<br><b>Proposed Award:</b> \$25,000<br><b>Proposed Funding Period:</b> 12/1/2017 – 12/30/2018<br><b>Status:</b> Unfunded                 |
| Unfunded                | <b>Title:</b> <i>Understanding Prince George's Rates of Activity Development and Endurance (UPGRADE) Study</i><br><b>Funder:</b> National Institute of Nursing Research (R21)<br><b>Role:</b> Principal Investigator<br><b>Proposed Award:</b> \$275,000<br><b>Proposed Funding Period:</b> 9/1/2017 – 8/31/2019<br><b>Status:</b> Unfunded  |
| Unfunded                | <b>Title:</b> <i>Enabling Sense of Community through Research of Active Transportation (E-SOCRAT)</i><br><b>Funder:</b> National Science Foundation<br><b>Role:</b> Co-Investigator (PI: Srebric, J)<br><b>Proposed Award:</b> \$896,057<br><b>Proposed Funding Period:</b> 7/1/2017 – 12/31/2019<br><b>Status:</b> Unfunded   |
| Unfunded                | <b>Title:</b> <i>The Community Health Impact of the Purple Line (CHIP): Transit-Induced Gentrification in a Low-Income, Immigrant Suburb</i><br><b>Funder:</b> Robert Wood Johnson Foundation<br><b>Role:</b> Co-Investigator (PI: Lung-Amam, W)<br><b>Proposed Award:</b> \$349,985<br><b>Proposed Funding Period:</b> 9/1/2017 – 9/30/2020<br><b>Status:</b> Unfunded                                    |
| Unfunded                | <b>Title:</b> <i>The PEAT Study: An Examination of the Impact of the Washington, DC Metro Silver Line on Adolescent Active Transportation</i><br><b>Funder:</b> University of Maryland College Park Faculty Incentive Program (Tier I)<br><b>Role:</b> Principal Investigator<br><b>Proposed Award:</b> \$49,427<br><b>Proposed Funding Period:</b> 1/1/2017 – 12/31/2017<br><b>Status:</b> Unfunded       |
| Unfunded                | <b>Title:</b> <i>Exploring Sense of Community Attitudes and Active Transportation Interaction as an Indicator of Community's Connectivity and Public Health</i><br><b>Funder:</b> ORAU: Ralph E. Powe Junior Faculty Enhancement Awards<br><b>Role:</b> Co-Investigator (PI: Hu, M)<br><b>Proposed Award:</b> \$10,000<br><b>Proposed Funding Period:</b> 1/1/2017 – 12/31/2017<br><b>Status:</b> Unfunded |
| Unfunded                | <b>Title:</b> <i>Physical Environment and Active Transportation Study-A</i><br><b>Funder:</b> Maryland Population Research Center  |

**Role:** Principal Investigator (Co-I: Jette, S; Fryer, C)  
**Proposed Award:** \$14,809  
**Proposed Funding Period:** 1/1/2017 – 12/31/2017  
**Status:** Unfunded

#### SUBMITTED 2015-2016

Unfunded      **Title:** *R13 Study - Expanding Prenatal Care in Prince George's County*  
**Funder:** National Institute of Child Health and Human Development  
**Role:** Advisor  
**Proposed Award:** \$28,481  
**Status:** Unfunded

Unfunded      **Title:** *Physical Environment and Active Transport (PEAT): The Impact of the Washington, DC Metrorail Silver Line Extension on Adolescent Active Transport*  
**Funder:** University of Maryland Research and Scholarship Awards (RSA)  
**Role:** Principal Investigator  
**Proposed Award:** \$9,000  
**Proposed Funding Period:** 6/1/2016 – 8/31/2016  
**Status:** Unfunded

### F. Honor, Awards and Recognition

#### I. RESEARCH FELLOWSHIPS, PRIZES AND AWARDS

2017      **Featured Research**, Washington Post article on PLOT Study featured in UMD Research Roundup, December 1, 2017

2017      **Featured Faculty**, “These Commutes are Made for Walking – Professor Explores How Built Environments Affect Health”, Faculty Q&A, Terp Magazine – Fall 2017, a quarterly alumni publication from the University of Maryland College Park

2017      **Invited Visiting Researcher**, School of Physical Education, Sport, and Exercise Sciences at the University of Otago, Dunedin, New Zealand

2017      **Honoree**, UMD 10<sup>th</sup> Annual University-Wide Celebration of Scholarship and Research

2017      **Featured Research**, BEAP Study research findings featured in UMD Research Roundup, March 9, 2017

2017      **Awardee**, The Dr. Antronette (Toni) Yancey and Darlene Edgley Fellowship for Health Promotion, Physical Fitness and Community Health Education Conference Assistance Award

2016      **Featured Research**, “Parental perceived built environment measures and active play in Washington DC metropolitan children” research article featured on front page of umd.edu website, May – June, 2016

2016      **Featured Research**, BEAP Study research findings featured in UMD Right

Now, May 26, 2016

- 2016      **Featured Research**, BEAP Study research findings featured in the Association of Schools and Programs of Public Health (ASPPH) Friday Letter, May 20, 2016
- 2016      **Inductee**, Gamma Zeta Chapter of Delta Omega National Honorary Society for Public Health at University of Maryland College Park
- 2016      **Awardee**, Chesapeake Project Faculty Development Workshop - University of Maryland College Park Participant
- 2016      **Featured Faculty**, “Intersections and Inequality”: Research Connections – Spring 2016, an annual publication from the Consortium on Race, Gender and Ethnicity, University of Maryland College Park
- 2015      **Awardee**, National Research Mentoring Network Academic and Professional Development Conference Travel Award
- 2013      **Awardee**, Robert Wood Johnson Foundation New Connections Seventh Annual Symposium Travel Award
- 2012      **Awardee**, 6th Annual Robert Wood Johnson Foundation New Connections Research and Coaching Clinic Travel Award
- 2004      **Finalist**, Student Research Award, Environment Section, American Public Health Association
- 2003      **Honorable Mention Awardee**, Student Research, The New York Academy of Medicine
- 2001      **Awardee**, National Research Service Award, National Institute of Environmental Health Sciences

## **II. SERVICE AWARDS AND HONORS**

- 2012      **Awardee**, “The Daily Record” Very Important Professionals Successful By 40
- 2011      **Awardee**, U.S. Environmental Protections Agency Appreciation
- 2010      **Awardee**, Malcolm X University Certificate of Appreciation
- 2005      **Outstanding Young Professionals Recipient**, Minority Environmental Leadership Development Initiative, University of Michigan

## **III. Teaching, Extension, Mentoring and Advising**

### **A. Courses Taught**

#### **I. INSTRUCTION AND GUEST LECTURING**

|                |  |
|----------------|--|
| 2018 – Present | <b>Instructor</b> , <i>KNES 497: Physical Activity, Built Environment and Public Health</i> (Undergraduate Level, 3 credits), UMD-SPH<br>Enrollment: 18 (Spring 2018)                                      |
| 2017 – Present | <b>Instructor</b> , <i>KNES 600: Kinesiology of Public Health</i> (Graduate Level, 3 credits), UMD-SPH<br>Enrollment: 9 (Fall 2016); 10 (Fall 2017)  |
| 2017 – Present | <b>Instructor</b> , <i>KNES 601: Epidemiology of Physical Activity</i> (Graduate Level, 3 credits), UMD-SPH<br>Enrollment: 11 (Spring 2016); 4 (Spring 2017)   |
| 2017           | <b>Guest Lecturer</b> , “Obesogenic Environments”, <i>EPIB 626: Epidemiology of Obesity</i> (Graduate Level, 3 credits) UMD-SPH  |
| 2017           | <b>Instructor</b> , "Built Environment and Health", <i>Kyung Hee University Summer Active Learning Program for Excellence</i> (Undergraduate Level, 5-Day Course), UMD-SPH<br>Enrollment: 30 (Summer 2017) |
| 2017           | <b>Instructor</b> , <i>URSP 705-0101: Summer Community Planning Studio I</i> (Graduate Level, 3 credits), UMD-ARCHITECTURE<br>Enrollment: 11 (Summer 2017)   |
| 2017           | <b>Instructor</b> , <i>URSP 706-0201: Summer Community Planning Studio II</i> (Graduate Level, 3 credits), UMD-ARCHITECTURE<br>Enrollment: 11 (Summer 2017)  |
| 2017           | <b>Guest Lecturer</b> , “Active Living among Washington DC Area Youth”, <i>MIEH 215: The Built Environment and Public Health: The Good, the Bad, and the Ugly</i> (Undergraduate Level), UMD-SPH           |
| 2016 – 2017    | <b>Instructor</b> , <i>KNES 785_0101: Internship in Physical Activity and Public Health</i> (Graduate Level), UMD-SPH<br>Enrollment: 2 (Fall 2016); 4 (Fall 2017)  |
| 2016 – 2017    | <b>Instructor</b> , <i>KNES 786_0101: Capstone Project in Physical Activity and Public Health</i> (Graduate Level), UMD-SPH<br>Enrollment: 2 (Spring 2017)   |
| 2016           | <b>Instructor</b> , <i>KNES 689_0201: Independent Study</i> (Graduate Level), Summer Semester, Lindsey Rodkey, UMD-SPH   |
| 2015 – 2016    | <b>Guest Lecturer</b> , “Built Environment, Physical Activity and Public Health”, <i>KNES 400: Foundations of Public Health in Kinesiology</i> (Undergraduate Level), UMD-SPH                              |
| 2015           | <b>Guest Lecturer</b> , “Built Environment, Physical Activity and Public Health”, <i>KNES 478: Honors Seminar</i> (Undergraduate Level), UMD-SPH   |



- 2015                    **Guest Lecturer**, “Built Environment, Physical Activity and Public Health”, *KNES 600: Kinesiology in Public Health* (Graduate Level, 3 credits), UMD-SPH
- 2014                    **Guest Lecturer**, “Using Environmental Epidemiology Data in Risk Assessment”, *MIEH 775: Environmental and Occupational Epidemiology* (Graduate Level, 3 credits), UMD-SPH
- 2014                    **Guest Lecturer**, “Neighborhood and Health”, *PMO530: Behavioral/Social Sciences and Public Health* (Graduate Level, 3 credits) USUHS
- 2012 – 2015           **Instructor**, *PMO599: Introduction to Health Risk Communication* (Graduate Level, 2 credits), USUHS
- 2012 – 2015           **Instructor**, *PMO601: Environmental Health Risk Assessment* (Graduate Level, 2 credits), USUHS

## II. TEACHING INNOVATION AND COURSE MODIFICATION

### KNES 601: Epidemiology of Physical Activity (Course Modification)

Updated course material and content to include more depth and breadth to physical activity epidemiological concepts covered. Incorporated principles of sustainability as relate to active living that were discussed during the Chesapeake Project Faculty Development Workshop. Created new assignments and in-class exercises to provide students with opportunities to apply knowledge and stimulate class discussion.

### KNES 497: Physical Activity, Built Environment and Public Health (Course Creation)

Created a new upper level course for undergraduate kinesiology majors that will allow students to examine and critically analyze the current research literature relevant to the relationship between the built environment and physical activity as well as the public health impacts of this relationship. An in-depth, independent examination of the current active living research will be achieved through in-class discussions and interactive assignments in the class as well as in the community,

## B. Advising: Research

### I. UNDERGRADUATE

- 2015 – 2017           **Honors Thesis Advisor**, Tara Saideman, BS Candidate – Honors Program, Department of Kinesiology, UMD-SPH, “*Immigrant generational status and sport team involvement*” (Graduated – 2017)

### II. MASTER’S

- 2017 – Present       **Committee Member**, Matt Bradley, MPH Candidate, Department of Kinesiology, UMD-SPH, “*Physical Activity and Falls in an Aging Population of Adults*” (Anticipated Completion – 2018)
- 2017 – Present       **Committee Member**, Arielle Ocampo, MPH Candidate, Department of Kinesiology, UMD-SPH, “*Increasing Exercise Adherence in Adults with*

*Arthritis After Participation in an Exercise Program”* (Anticipated Completion – 2018)

- 2017 – Present     **Advisor**, Jennifer Lee, MPH Candidate, Department of Kinesiology, UMD-SPH, (Anticipated Completion – 2019)
- 2016 – Present     **Advisor and Committee Chair**, Terrel Everette, MPH Candidate, Department of Kinesiology, UMD-SPH, *“Increasing Exercise Frequency Through the Implementation of a After School Physical Activity Intervention (MOVE)”* (Anticipated Completion – 2019)
- 2016 – 2017       **Advisor and Committee Chair**, Lindsey Rodkey, MPH Candidate, Department of Kinesiology, UMD-SPH, *“Development of a mobile phone app to encourage Baltimore City youth to be physically active in Gwynns Falls/Leakin Park”* (Graduated – 2017)
- 2016 – 2017       **Advisor and Committee Chair**, Sara Olsen, MPH Candidate, Department of Kinesiology, UMD-SPH, *“Inclusive non-curricular school based physical activity intervention for adolescents with educational disabilities”* (Graduated – 2017)
- 2015 – 2017       **Committee Member**, Shantell Steve, ScM Candidate, Brown University, (Graduated – 2017)
- 2015 – 2016       **Committee Member**, Andrea Romeo, MPH Candidate, Department of Kinesiology, UMD-SPH, *“Increasing participation rates in a worksite wellness physical activity program: A pilot study”* (Graduated – 2016)
- 2014 – 2015       **Committee Member**, Daniel Harrison, MSPH Candidate, USUHS, (Graduated – 2016)
- 2015 – 2015       **Committee Member**, Nicole Cintron, MSPH Candidate, USUHS, (Graduated – 2016)
- 2014 – 2015       **Committee Member**, John Kendzie, MSPH Candidate, USUHS, (Graduated – 2015)

### III. DOCTORAL

- 2017 – Present     **Committee Member**, Daniel Dalgo Reyes, PhD Candidate, Department of Mechanical Engineering, UMD, *“Dynamic thermal comfort of individual occupants with personalized ventilation”* (Anticipated Completion – 2019)
- 2016 – Present     **Committee Member**, Samuel Clevenger, PhD Candidate, Department of Kinesiology, UMD-SPH, *“Acts of Livelihood: Bodies and Nature in the International Garden City Movement, 1898-1937”* (Anticipated Completion – 2018)

- 2016 – Present     **Committee Member**, Stephanie Cork, PhD Candidate, Department of Kinesiology, UMD-SPH, “*The physical culture of diversity work: A case study of embodied inclusion and exclusion at the University of Maryland*” (Anticipated Completion – 2018)
- 2015 – Present     **Committee Member**, Omni Cassidy, PhD Candidate, USUHS, “*The effect of food marketing and attentional biases on eating behaviors in African American adolescent girls*” (Anticipated Completion – 2018)
- 2015 – 2016        **Committee Member**, Kristi Tredway, PhD Candidate, Department of Kinesiology, UMD-SPH, “*Charging the net: Social activism in women’s professional tennis*” (Graduated – 2016)
- 2013 – 2015        **Committee Member**, Angela Tredway, PhD Candidate, USUHS, (Graduated – 2016)

### **C. Advising: Other than Directed Research**

#### **I. UNDERGRADUATE**

- 2017 – Present     **Mentor**, Daunece Cox, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”
- 2017 – Present     **Mentor**, Michelle Obijekwu, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”
- 2017 – Present     **Mentor**, Hayes Zhang, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”
- 2017 – Present     **Mentor**, Dylan Chan, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”
- 2017 – Present     **Mentor**, Linda Kuo, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”
- 2016 – Present     **Mentor**, Shriya Dalsania, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”
- 2016 – Present     **Mentor**, Meghana Annadata, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”
- 2016 – 2017        **Mentor**, Anika Khan, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”
- 2016 – 2017        **Mentor**, Yasaman Hosseini, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”
- 2016 – 2017        **Mentor**, Cortney Grisham, BS Candidate, Austin Peay State University, UM Star Intern
- 2016 – 2016        **Mentor**, Davette Vice, BS Candidate, UMD-SPH, Ronald E. McNair Scholar
- 2015 – 2016        **Mentor**, Myles Davenport, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”
- 2015 – 2016        **Mentor**, Amy Wang, BS Candidate, UMD-SPH, “PHOEBE Lab Intern”

## IV. Service and Outreach

### A. Editorships, Editorial Boards, and Reviewing Activities

#### **I. REVIEWING ACTIVITIES FOR JOURNAL AND PRESSES**

|                |   |
|----------------|---|
| 2018 – Present | <i>Scandinavian Journal of Medicine and Science in Sports</i> (1 article)             |
| 2017 – Present | <i>Pediatric Obesity</i> (1 article)  |
| 2017 – Present | <i>Revista de Saúde Pública</i> (1 article)   |
| 2017 – Present | <i>GeoJournal</i> (1 article)   |
| 2016 – Present | <i>Journal of Transport and Health</i> (1 article)                                    |
| 2016 – Present | <i>Journal of Physical Activity and Health</i> (1 article)                            |
| 2016 – Present | <i>International Journal of Environmental Research and Public Health</i> (3 articles) |
| 2016 – Present | <i>American Journal of Preventive Medicine</i> (1 article)                            |
| 2014 – Present | <i>Journal of Urban Health</i> (1 article)  |
| 2014 – Present | <i>Archives of Environmental and Occupational Health</i> (1 article)                  |
| 2013 – Present | <i>Environmental Health</i> (1 article)   |
| 2013 – Present | <i>PLoS ONE</i> (1 article)   |
| 2011 – 2014    | <i>Journal of Environmental Monitoring</i> (1 article)                                |
| 2009 – 2011    | <i>Risk Analysis</i> (1 article)  |
| 2004 – 2014    | <i>Environmental Research</i> (1 article)   |

### B. Committees, Professional and Campus Service

#### **I. CAMPUS SERVICE - DEPARTMENT**

|                |  |
|----------------|--|
| 2016 – Present | <b>Committee Member</b> , UMD-SPH Kinesiology Graduate Committee Fellowships and Awards/Grip     |
| 2016 – 2017    | <b>Chair</b> , UMD-SPH Kinesiology Burris Husman Lecture   |
| 2016 – 2017    | <b>Committee Member</b> , UMD-SPH Kinesiology Entrepreneurial Programs and Workforce Development |
| 2015 – 2016    | <b>Committee Member</b> , UMD-SPH Kinesiology Undergraduate Committee                            |
| 2015 – 2016    | <b>Committee Member</b> , UMD-SPH Kinesiology Faculty Search Committee                           |

#### **II. CAMPUS SERVICE - COLLEGE**

|                |  |
|----------------|--|
| 2016 – Present | <b>Committee Member</b> , UMD-SPH Diversity Council                        |
| 2016 – Present | <b>Committee Member</b> , UMD-SPH Public Health Science Steering Committee |
| 2016 – 2017    | <b>Committee Member</b> , UMD-SPH Commencement Student Speaker Committee   |

#### **III. LEADERSHIP ROLES IN MEETINGS AND CONFERENCES**

|             |   |
|-------------|---|
| 2013 – 2015 | <b>Expert Panel Member</b> , Wind Turbine Noise and Human Health, Council of Canadian Academies |
|-------------|---|

- 2009 – 2011      **Advisory Committee Member**, U.S. Environmental Protections Agency, Children’s Health Protection Advisory Committee
- 2013              **Proposal Reviewer**, Special Emphasis Panel, The National Center for Chronic Disease Prevention & Health Promotion of the Centers for Disease Control and Prevention
- 2012              **Proposal Reviewer**, US Agency for International Development’s Middle East Regional Cooperation Program, Environment Grant Review Panel

#### IV. MEDIA COVERAGE AND CONTRIBUTIONS

- 2017      **Print Interview**, Baltimore Sun, Interviewed by Kate Magill, “Winter brings new chances for a nature escape at Patuxent Research Refuge”, December 13, 2017  
<http://www.baltimoresun.com/news/maryland/howard/laurel/ph-ll-refuge-winter-1214-story.html>
- 2017      **Video Interview**, WDMV TV News, Interviewed by Kylie Khan, “UPDATE: UMD researchers study effects of Purple Line”, December 18, 2017  
<http://www.localdvm.com/news/i-270/update-umd-researchers-study-effects-of-purple-line/882867632>
- 2017      **Print Interview**, Washington Post, Interviewed by Katherine Shaver, “Will the Purple Line Make People Healthier?”, November 16, 2017  
[https://www.washingtonpost.com/news/dr-gridlock/wp/2017/11/16/will-the-purple-line-make-people-healthier/?utm\\_term=.07cd85312baf](https://www.washingtonpost.com/news/dr-gridlock/wp/2017/11/16/will-the-purple-line-make-people-healthier/?utm_term=.07cd85312baf)
- 2017      **Print Interview**, University of Maryland, Interviewed by Sala Levin “These Commutes are Made for Walking – Professor Explores How Built Environments Affect Health”, September 14, 2017  
<http://terp.umd.edu/these-commutes-are-made-for-walking/#.WhMdpbaZOuW>
- 2017      **Video Interview**, University of Maryland, Interviewed by Gabriel Michael Unterman “UMD Reflects”, September 8, 2017  
[https://www.youtube.com/watch?v=S5h9LWbYw\\_s&feature=youtu.be](https://www.youtube.com/watch?v=S5h9LWbYw_s&feature=youtu.be)
- 2017      **Radio Interview**, Maryland News Network, Interviewed by Judlyne Lilly, “We’re Talking With”: Dr. Jennifer Roberts”, March 30, 2017  
<https://audioboom.com/posts/5766559-we-re-talking-with-dr-jennifer-roberts-about-another-reason-children-are-sedentary>
- 2017      **Print Interview**, WalletHub, Interviewed by John Kiernan, “2017’s Fattest Cities in America – Ask the Experts”, March 22, 2017  
<https://wallethub.com/edu/fattest-cities-in-america/10532/#jennifer-d-roberts>