

BETHANY TOWNSEND OGBENNA

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987-287-4675

1. EDUCATION

Doctor of Philosophy, Epidemiology

University of Maryland (UMD) School of Public Health,
Department of Epidemiology and Biostatistics, College Park, MD

January 2018 – May 2023

Dissertation Title: *Racial and Ethnic Disparities of Breast Cancer Risk: the role of individual and neighborhood-level cardiometabolic factors*

September 2013 - June 2015

Master of Public Health, Epidemiology

Drexel University Dornsife School of Public Health,
Department of Epidemiology and Biostatistics, Philadelphia, PA

August 2008 - May 2012

Bachelor of Arts, Biology

St. Mary's College of Maryland,
Department of Biology, St. Mary's City, MD

Minors: Computer Science and Africa/African Diaspora Studies

2. POSTDOCTORAL TRAINING

Intramural Research Training Award Postdoctoral Fellow

October 2023 -Present

National Institutes of Health, Department of Health and Human Services
Epidemiology Branch, National Institute of Environmental Health Sciences, Research Triangle Park, NC

Principal Investigator: Dr. Chandra L. Jackson, Ph.D., M.S.

Earl Stadtman Senior Investigator (tenured)

- Investigate racial/ethnic and socioeconomic disparities in relation to individual, social and built environmental exposures and cardiometabolic and sleep health outcomes among adults.

3. PROFESSIONAL AND RESEARCH EXPERIENCE

Researcher

American Institutes of Research (AIR),
Learning, Translation and Quality Measurement Division, Columbia, MD

January 2022 – August 2023

Senior Health Research Analyst

IMPAQ International, LLC,
Pharmaceutical Health Services Division, Washington, DC

December 2015 – December 2021

Graduate Teaching Assistant

University of Maryland School of Public Health,
Department of Epidemiology and Biostatistics, College Park, MD

August 2020 - December 2021

August 2022 - January 2023

Graduate Research Assistant

University of Maryland School of Public Health, College Park, MD
UM Marlene and Stewart Greenbaum Comprehensive Cancer Center, Baltimore, MD

November 2018 - December 2022

Graduate Research Assistant

Department of Microbiology and Immunology,
Drexel Institute of Biotechnology and Virology, Doylestown, PA

June 2014 – December 2015

Graduate Research Assistant

Drexel University Opening Doors
Health Disparities Research Training Program, Philadelphia, PA

October 2013 - July 2015

Summer Research Fellow

*Molecular Genetics and Human Carcinogenesis,
National Cancer Institute, National Institutes of Health, Bethesda, MD*

June 2013 - August 2013

Post - Baccalaureate Infectious Diseases Research Fellow

University of Pittsburgh Intramural Research Training Award, Pittsburgh, PA

August 2012 - May 2013

3. PUBLICATIONS

Peer-reviewed Journal Articles

1. Ryu S, Slopen N, **Ogbenna BT**, Lee S. Acculturation and sleep outcomes in Asian Americans and Pacific Islanders: Results from the National Epidemiologic Survey on Alcohol and Related Conditions-III. *Sleep Health*. 2021 Dec;7(6):683-690. doi: 10.1016/j.sleh.2021.09.004. Epub 2021 Oct 11. PMID: 34645580.
2. **Ogbenna BT**, Ryu S, Lee S, Slopen N. Discrimination and sleep among Asians and Pacific Islanders adults. *Sleep*. 2021 Oct 11;44(10):zsab109. doi: 10.1093/sleep/zsab109. PMID: 33912974.
3. Klassen AC, Lee NL, Pankiewicz A, Ward R, Shuster M, **Ogbenna BT**, Wade A, Boamah M, Osayameh O, Rule AM, Szymkowiak D, Coffman R, Bragg V, Mallya G. Secondhand Smoke Exposure and Smoke-free Policy in Philadelphia Public Housing. *Tob Regul Sci*. 2017 Apr;3(2):192-203. doi: 10.18001/TRS.3.2.7. PMID: 28944277; PMCID: PMC5609462.
4. Almaghrabi R, Clancy CJ, Doi Y, Hao B, Chen L, Shields RK, Press EG, Iovine NM, **Townsend BM**, Wagener MM, Kreiswirth B, Nguyen MH. Carbapenem-resistant *Klebsiella pneumoniae* strains exhibit diversity in aminoglycoside-modifying enzymes, which exert differing effects on plazomicin and other agents. *Antimicrob Agents Chemother*. 2014 Aug;58(8):4443-51. doi: 10.1128/AAC.00099-14. Epub 2014 May 27. PMID: 24867988; PMCID: PMC4135979.
5. Doi Y, O'Hara JA, Lando JF, Query AM, **Townsend BM**, Pasculle AW, Muto CA. Co-production of NDM-1 and OXA-232 by *Klebsiella pneumoniae*. *Emerg Infect Dis*. 2014 Jan;20(1):163-5. doi: 10.3201/eid2001.130904. PMID: 24377764; PMCID: PMC3884727.
6. O'Hara JA, Ambe LA, Casella LG, **Townsend BM**, Pelletier MR, Ernst RK, Shanks RM, Doi Y. Activities of vancomycin-containing regimens against colistin-resistant *Acinetobacter baumannii* clinical strains. *Antimicrob Agents Chemother*. 2013 May;57(5):2103-8. doi: 10.1128/AAC.02501-12. Epub 2013 Feb 19. PMID: 23422916; PMCID: PMC3632926.

In Preparation

1. **Ogbenna BT***, Ghosh R*, Pung E, Traub R, Brooks Y, Lyu A, Dallal C. Associations between Obesity Phenotypes and Metabolomic Profiles: Review of the Literature
2. **Ogbenna BT**, Cheng I, He X, Wilkens L, Le Marchand L, Dallal C. Association Between a Healthy Lifestyle Index and Breast Cancer Risk among Postmenopausal Women in the Multiethnic Cohort (MEC) Study
3. **Ogbenna, BT**, Cheng I, He X, Wu A, Wilkens L, Le Marchand L, Dallal C. Cholesterol-lowering drug use and breast cancer risk among postmenopausal women in the Multiethnic cohort (MEC) Study
4. **Ogbenna, BT**, Dallal, C, He X, Wu A, Wilkens L, Le Marchand L, Cheng I. A cross-sectional analysis of neighborhood socioeconomic status and inflammatory biomarkers among adults in the Multiethnic cohort (MEC) Study

*Denotes co-first author

4. PRESENTATIONS

Poster

1. UNC Lineberger' s 47th Annual Postdoctoral/Faculty Research Day (October 2022) "Association between a healthy lifestyle index and breast cancer risk among postmenopausal women in the Multiethnic Cohort (MEC) Study"
2. American Association for Cancer Research (September 2022) "Association between a healthy lifestyle index and breast cancer risk among postmenopausal women in the Multiethnic Cohort (MEC) Study"
3. University of Maryland School of Public Health Research Day (April 2021) "Metabolomics and Obesity Profiles"
4. Pharmacy Quality Alliance (PQA) Annual conference (May 2021) "Medication therapy management programs and SNOMED CT"
5. American Public Health Association Conference (November 2017) "Clinical Practice Patterns and Potential Barriers to Generic Drug Use in Special Populations"
6. Drexel University School of Public Health (June 2015) "Measuring the Strength of Predicators: A Survival Analysis of Risk Factors for Hepatocellular Carcinoma and Chronic Liver Disease Death"
7. American Public Health Association Conference (November 2014) "Preparing for Smoke-free Policy Implementation in Public Housing Communities"
8. National Institutes of Health Summer Research Program Poster Day (August 2013) "Association of c-myc activation and ADHFE1 expression with accumulation of 2-hydroxyglutarate in breast cancer"

Oral

1. National Institute of Environmental Health Sciences (February 2023) " Understanding the Role of Cardiometabolic Factors in Racial and Ethnic Disparities of Breast Cancer Risk"
2. UNC Lineberger' s 47th Annual Postdoctoral/Faculty Research Day (October 2022) "Association between a healthy lifestyle index and breast cancer risk among post-menopausal women in the Multiethnic Cohort (MEC) Study"
3. Drexel University School of Public Health (June 2015) "Measuring the Strength of Predicators: A survival analysis of risk factors for hepatocellular carcinoma and chronic liver disease death"
4. Drexel University School of Public Health (November 2014) "Butt Out: An initiative to reduce teenage smoking in Philadelphia"
5. Drexel University School of Public Health (May 2014) "Evaluation of Smoke-free Housing"
6. University of Pittsburgh Medical Center (May 2013) "The effect of desiccation tolerance on survival rates of colistin-resistant Acinetobacter baumannii & a study investigating gentamicin-resistant Klebsiella pneumonia"

Published Reports

1. IMPAQ International (April 2021) "Prescription Drug Costs 101: Why are Drug Prices High and How are Federal and State Policymakers addressing the Issues"

5. AWARDS AND HONORS

- 2022 Scholar-in-Training Travel Award (\$1,000) American Association for Cancer Research
2022 Goldhaber Travel Award (\$250), UMD

- 2022 Delta Omega Gamma Zeta Chapter member (Inducted May 2022)
- 2022 Gold Research Award (\$500), Department of Epidemiology and Biostatistics, UMD
- 2022 Summer Dean's Fellowship (\$5,000), UMD
- 2022 Ann Wylie Dissertation Fellowship (\$15,000), UMD
- 2021 Scholarship Recipient (\$1,000), Sisters in Public Health
- 2021 Delta Omega Gamma Zeta Chapter SPH Student Research Poster Award
- 2021 Summer Dean's Fellowship (\$2,500), Department of Epidemiology and Biostatistics, UMD
- 2020 Summer Dean's Fellowship (\$5,000), Department of Epidemiology and Biostatistics, UMD
- 2013-15 National Cancer Institute Diversity Supplement Graduate Fellow (Parent Grant: R01CA120206)

6. TEACHING AND MENTORING

- Fall 2022 **SPHL 602: Foundations of Epidemiology and Biostatistics**
Teaching assistant to Professor Jamie Trevitt (40 graduate students)
- SPHL 603: Public Health Data Laboratory**
Teaching assistant to Professor Jamie Trevitt (40 graduate students)

- Fall 2021 **EPIB 315: Biostatistics for Public Health Science**
Grader to Professor Raul Cruz-Cano (18 undergraduate students)

- Spring 2021 **SPHL 610: Program and Policy Planning, Implementation, and Evaluation**
Teaching assistant to Professor James Butler III (88 graduate students)

- Fall 2020 **EPIB 315: Biostatistics for Public Health Science**
Teaching assistant to Professor Raul Cruz-Cano (16 undergraduate students)
- SPHL 602: Foundations of Epidemiology and Biostatistics**
Teaching assistant to Professor Raul Cruz-Cano and Typhanye Dyer (96 graduate students)
- SPHL 602: Foundations of Epidemiology and Biostatistics**
Teaching assistant to Professor Raul Cruz-Cano and Rodman Turpin (46 graduate students)
- SPHL 603: Public Health Data Laboratory**
Teaching assistant to Professor Raul Cruz-Cano (137 graduate students)

7. MEMBERSHIPS

- American Association for Cancer Research (AACR)
- American Public Health Association (APHA)