

Lia Scott, PhD, MPH

Georgia State University School of Public Health
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1. Current Titles and Affiliations:

- a. Academic Appointments:
 - i. Primary Appointments:
Assistant Professor of Epidemiology, Georgia State University School of Public Health,
2021 – present

2. Previous Academic and Professional Appointments:

- a. Academic Appointments:
Assistant Professor of Hematology and Medical Oncology, Emory University School of
Medicine, 2020 - 2021
- b. Clinical Appointments:
Epidemiologist, Hemophilia of Georgia Center for Bleeding & Clotting Disorders of Emory,
Emory University School of Medicine, 2020 - 2021

3. Education:

BS Chemistry, Elizabeth City State University, 2009-2012
MPH Epidemiology, Georgia State University, 2012-2014
PhD Epidemiology, Georgia State University, 2015-2018

4. Postgraduate Training:

Steven M. Teutsch Prevention Effectiveness Fellow, Centers for Disease Control and Prevention,
Atlanta, GA. Supervisor: Nicole Dowling, PhD, 2018-2020

5. Military or Government Service:

- a. Steven M. Teutsch Prevention Effectiveness Fellow, Centers for Disease Control and
Prevention, 2018-2020

6. Committee Memberships:

- a. National and International:
 - i. Member, American Statistical Association, Committee for Women in Statistics, 2021-2023
- b. Regional:
 - i. Chair, Georgia Public Health Association, Career Development Section, 2017-2018
- c. Institutional:
 - i. Vice President, Public Health Student Association, Georgia State University, 2014
 - ii. Member, Academic Affairs Committee, Georgia State University, 2014
 - iii. President, Panthers at Work, Centers for Disease Control and Prevention, 2019-2020

7. Peer Review Activities:

- a. Grants:
 - i. Institutional:
City College of New York (CCNY) and Memorial Sloan-Kettering Cancer Center (MSKCC)
Partnership for Cancer Research, Research Education and Community Outreach External
Review Committee, 2020.
- b. Manuscripts:
 - i. *AIMS Public Health*, 2018-present
 - ii. *American Journal of Preventive Medicine*, 2018-present

- iii. *Annals of Epidemiology*, 2018-present
- iv. *Frontiers in Public Health*, 2018-present
- v. *Preventing Chronic Disease*, 2018-present
- vi. *Spatial and Spatio-temporal Epidemiology*, 2019-present
- vii. *Spatial Demography*, 2019-present
- viii. *Journal of Women's Health*, 2020-present
- ix. *BMC Medicine*, 2021-present

c. Conference Abstracts:

i. National and International:

American Public Health Association, Annual Meeting, Abstract Reviewer, 2016 – present
Society for Epidemiologic Research, Annual Meeting, Abstract Reviewer, 2017 – present

ii. Regional:

Georgia Public Health Association, Annual Meeting, Abstract Reviewer, 2018

8. Honors and Awards:

- a. Georgia Public Health Association Annual Conference Student Scholarship, 2017
- b. Elizabeth City State University 40 Under 40 Society, 2017
- c. ESRI User Conference Student Assistantship, 2018
- d. American Association for Cancer Research (AACR) Scholar-In-Training Conference Travel Award, 2018
- e. CDC Director's Award for Public Health Impact, 2019

9. Society Memberships:

- a. American Public Health Association (APHA), 2013 – 2018
- b. Society for the Analysis of African American Public Health Issues (SAAPHI), 2016 – present
- c. American Association for the Advancement of Science (AAAS), 2017 – present
- d. American Association for Cancer Research (AACR), 2018 – present
- e. American Statistical Association (ASA), 2018 – present
- f. American College of Epidemiology,

10. Community Outreach:

- a. General:
 - i. Medshare volunteer, 2015 – present
 - ii. Open Hand Atlanta Volunteer, 2019 – present

11. Formal Teaching:

- a. Graduate Programs:
 - i. Master's and PhD Programs:
 - Teaching Assistant, Spatial Population Health I, 2017 – 2018
 - Teaching Assistant, Spatial Population Health II, 2018

12. Abstract Presentations at National/International, Regional, and Institutional Conferences:

- a. National and International:
 - i. **Scott, L***, Watkins, CL, McLean, LS, Cho, SH, Amis, LH, Davis Jr., WL, Sowers, LC, Brantley, EJ. 5F 203 Promotes Oxidative DNA Damage and Induces the Expression of Cytoglobin, A Novel Tumor Suppressor Gene, in Breast Cancer Cells. Annual Biomedical Research Conference for Minority Students (ABRCMS), Charlotte, NC, 2010 (poster presentation)
 - ii. Mobley, L, Kuo, TM, **Scott, L***; Rutherford, Y, Bose, S. Modeling Geospatial Patterns of Late-Stage Diagnosis of Breast Cancer in the US, Centers for Disease Control & Prevention National Cancer Conference, Atlanta, GA, 2017 (oral presentation)
 - iii. **Scott L***, Mobley L, Kuo, T.-M, Il'yasova D. Descriptive Analysis of Black/White Disparities

in Triple Negative Breast Cancer for the United States – A Population Based Study from the United States Cancer Statistics database. 11th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, New Orleans, 2018 (poster presentation)

- iv. **Scott L***, Mobley L, Kuo, T.-M, Il'yasova D. Multi-level Analysis of Person-, County- and State-Level Contributors to Triple-Negative Breast Cancer Diagnosis among Women in the United States. 11th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, New Orleans, 2018 (poster presentation)
- v. **Scott L***, Mobley L, Il'yasova D. "Geospatial Analysis of Inflammatory Breast Cancer and Associated Community Characteristics in the United States" at the American Public Health Association Annual Conference, Atlanta, GA, 2017 (poster presentation)
- vi. **Scott L***, Yang Q, Dowling NF, Richardson LC. "Where do cancer survivors experience the greatest burden of heart disease? Predicting state-level heart age among cancer survivors in the United States." at the American Association of Cancer Research, San Diego, CA, April 2020. (Withdrawn due to COVID19).

b. Regional:

- i. Mobley, L. R., **Scott, L***, Rutherford, Y., & Kuo, T.-M. "Using Residential Segregation to Predict Colorectal Cancer Stage at Diagnosis: Two Different Approaches" at the Georgia Public Health Association Annual Conference, Atlanta, GA, 2017 (poster presentation)

c. Institutional:

- i. **Scott, L***, Watkins, CL, McLean, LS, Cho, SH, Amis, LH, Davis Jr., WL, Sowers, LC, Brantley, EJ. 5F 203 Promotes Oxidative DNA Damage and Induces the Expression of Cytoglobin, A Novel Tumor Suppressor Gene, in Breast Cancer Cells. Elizabeth City State University Research Week, Elizabeth City, NC, 2011 (oral presentation)
- ii. **Scott, L***, Oyediji, A. Hydrodistillation of essential oils of *Schinus molle* and *Syncolostemon rotundifolius*. E-MHIRT Research Symposium, Richards Bay, South Africa, University of Zululand, 2011 (oral presentation)
- iii. **Scott L***, Mobley L, Il'yasova D. Geospatial Analysis of Inflammatory Breast Cancer and Associated Community Characteristics in the United States. Centers for Disease Control & Prevention Geographic Information Systems (GIS) Day, Atlanta, GA, 2017 (oral presentation)
- iv. **Scott L**, Yang Q, Dowling NF, Richardson LC. Where do cancer survivors experience the greatest burden of heart disease? Predicting state-level heart age among cancer survivors in the United States. Centers for Disease Control and Prevention Place and Health Conference, Atlanta, GA, 2019 (oral presentation)

13. Research Focus:

Research has focused primarily in two areas: geospatial and racial disparities in cancer, with a focus on breast cancer and emerging epidemiologic and biostatistical methods use in chronic disease. I evaluate social and physical environmental impacts on person-level health outcomes to inform public health and prevention methods.

14. Grant Support:

a. Previous Support:

PI, National Institutes of Health, National Institute on Minority Health and Health Disparities, *Evaluating Racial & Geospatial Disparities and Factors in Triple-Negative Breast Cancer among Women with Breast Cancer*, Ruth L. Kirschstein National Research Service Award Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research, \$26,208, 2018

15. Bibliography:

- a. Published and Accepted Research Articles (clinical, basic science, other) in Refereed Journal
 - i. McLean, L. S., Watkins, C. N., et al [including **Scott LC**], Brantley, E. Aryl Hydrocarbon Receptor Ligand 5F 203 Induces Oxidative Stress That Triggers DNA Damage in Human Breast Cancer Cells. *Chemical research in toxicology*, 28: 855-871, 2015 Mar.
 - ii. Mobley, L. R., **Scott, L.**, Rutherford, Y., & Kuo, T.-M. Using Residential Segregation to Predict Colorectal Cancer Stage at Diagnosis: Two Different Approaches. *Annals of Epidemiology*. doi:10.1016/j.annepidem.2016.11.008, 2016 Nov.
 - iii. **Scott L**, Mobley L, Il'yasova D. Geospatial Analysis of Inflammatory Breast Cancer and Associated Community Characteristics in the United States. *International journal of environmental research and public health*. 2017;14(4):404.
 - iv. Mobley, L.; Kuo, T.-M.; **Scott, L.**; Rutherford, Y.; Bose, S., Modeling Geospatial Patterns of Late-Stage Diagnosis of Breast Cancer in the US. *International journal of environmental research and public health*. 2017, 14 (5), 484.
 - v. **Scott LC**, Barker LE, Richardson LC. Using Population Health Measures to Evaluate the Environmental Burden of Cancer at the County Level. *Preventing Chronic Disease*. 2019;16:180530.
 - vi. **Scott LC**, Mobley LR, Kuo TM, Il'yasova D. Update on triple-negative breast cancer disparities for the United States: A population-based study from the United States Cancer Statistics database, 2010 through 2014. *Cancer*. 2019 Jul 8.
 - vii. Sharma KP, DeGroff A, **Scott L**, Shrestha S, Melillo S, Sabatino SA. Correlates of colorectal cancer screening rates in primary care clinics serving low income, medically underserved populations. *Preventive medicine*. 2019 Jul 15:105774.
 - viii. Culp MB, Benard V, Dowling NF, King J, Lu H, Rao C, **Scott LC**, Wilson R, Wu M. Ocular melanoma incidence rates and trends in the United States, 2001–2016. *Eye*. 2020.
 - ix. Dawood FS, Ricks P, et al [including **Scott LC**], Bennett, S. The Global Epidemiology of COVID-19: Observations from the Pre-Pandemic Period using Web-based Surveillance. *The Lancet Infectious Diseases*. 2020 Nov; 20(11):1255-1262. doi: 10.1016/S1473-3099(20)30581-8. Epub 2020 Jul 29. PMID: 32738203.
 - x. Senkomago V, Thompson TD, **Scott LC**, et al., Richardson LC. Visualizing Cancer Incidence and Mortality Estimates by Congressional Districts, United States 2012–2016. *J Registry Manag*. 2020 Summer;47(2):67-79.
 - xi. **Scott LC**, Bartley S, Dowling NF, Richardson LC. Finding 'Bright Spots': Using Multiple Measures to Examine Local-Area Racial Equity in Cancer Death Outcomes. *Am J Epidemiol*. 2020 Oct 19:kwa228. doi: 10.1093/aje/kwaa228. Epub ahead of print. PMID: 33073838.
 - xii. **Scott LC**, Yang Q, Dowling NF, Richardson LC. Predicted Heart Age among U.S. Cancer Survivors, 2013-2017. *MMWR Morb Mortal Wkly Rep* 2021;70:1–6. DOI: <http://dx.doi.org/10.15585/mmwr.mm7001a1>
 - xiii. **Scott LC**, Kuo TM, Il'yasova D, Mobley LR. Geospatial analysis of multiple cancers in individuals in the US, 2004-2014. *Ann Cancer Epidemiol*. 2021;5:2. doi:10.21037/ace-19-40
- b. Manuscripts Submitted:
 - i. **Scott LC**, Mobley LR, Il'yasova D. Geographic persistence of IBC hotspots: what are the probable predictors?. (*Cancer Epidemiology, Biomarkers & Prevention*)
 - ii. Li J, Scott LC, Cafuir LA, Gaddh M, Kempton CL. Comparing Direct Oral Anticoagulants and Vitamin K Antagonist Use in Obese Patients with Venous Thromboembolism: A Single Center Retrospective Cohort (*Research and Practice in Thrombosis and Haemostasis*)
- c. Published Abstracts:
 - i. Salah Z, Klaus C, **Scott L**, Mobley L, Il'yasova D. Spatial Distribution of Age-Adjusted Inflammatory Breast Cancer Rates in North Carolina. Paper presented at: APHA 2017 Annual Meeting & Expo (Nov. 4-Nov. 8).
 - ii. Sharma K, DeGroff A, **Scott L**, Shrestha S, Melillo S, Sabatino S. Correlates of Colorectal

Cancer Screening Rates in Primary Care Clinics. Paper presented at: 2019 Annual Research Meeting,

- iii. **Scott LC.** Abstract C007: Multilevel analysis of person-, county-, and state-level contributors to triple-negative breast cancer diagnosis among women in the United States. *Cancer Epidemiology Biomarkers & Prevention*. 2020;29(6 Supplement 1):C007-C007.
- iv. **Scott LC.** Abstract C008: Descriptive analysis of Black/White disparities in triple-negative breast cancer for the United States—A population -based study from the United States Cancer Statistics database. *Cancer Epidemiology Biomarkers & Prevention*. 2020;29(6 Supplement 1):C008-C008.

16. Contributions Not Otherwise Noted:

- i. Contributions to *Health Disparities* in Oxford Bibliographies in Public Health, 2015. doi: 10.1093/obo/9780199756797-0185
- ii. World Health Organization Consultant, Epidemiology and GIS Expert for 2018 Ebola Outbreak and 2020 COVID-19 Pandemic, 2020
- iii. International Epidemiology Task Force at CDC, Epidemiology and GIS Expert for COVID-19 Pandemic Response, 2020