

Sarah M Lima, MPHFarber Hall 265, University at Buffalo | (352) 284-8122 | sarahlim@buffalo.eduGoogle Scholar Profile: [Sarah M Lima, MPH](#)**EDUCATION**

University at Buffalo School of Public Health & Health Professions PhD in Epidemiology	2021-present
Columbia University Mailman School of Public Health MPH in Epidemiology, Certificate in Epidemiology of Chronic Diseases Master's Thesis: <i>"Breast Cancer Incidence in the US from 1935 to 2015 and the Impacts of Parity"</i> , Advisor: Dr. Mary Beth Terry	2017-2019
The Ohio State University BS in Biology Minor in Physical Anthropology	2013-2017

RESEARCH EXPERIENCE

Graduate Research Assistant, Department of Epidemiology and Environmental Health, School of Public Health and Health Professionals, UB <ul style="list-style-type: none"> Supervisor: Dr. Tia Palermo Projects: food insecurity, social support, and telomere lengths; social safety nets and child maltreatment; historic redlining and cancer Conduct literature review, data analysis, assist in development of systematic review, and prepare manuscripts and presentations. 	2022-present
Directed Research, Department of Epidemiology and Environmental Health, School of Public Health and Health Professionals, UB <ul style="list-style-type: none"> Supervisors: Dr. Heather Ochs-Balcom Project: physical activity and ovarian cancer risk and survival Conduct literature review, interpretation of results, prepare manuscripts 	Fall 2022
Graduate Research Assistant, Department of Epidemiology and Environmental Health, School of Public Health and Health Professionals, UB <ul style="list-style-type: none"> Supervisors: Dr. Heather Ochs-Balcom, Dr. Tia Palermo Projects: redlining and cancer (Ochs-Balcom and Palermo); reproductive factors and breast cancer in Jewels in Our Genes (Ochs-Balcom), food insecurity, social support, and telomere lengths (Palermo) 	2021-2022
Data Analyst, Community Outreach and Engagement Office, Herbert Irving Comprehensive Cancer Center, Columbia University <ul style="list-style-type: none"> Supervisors: Dr. Mary Beth Terry (Director), Dr. Grace Hillyer (Asst. Director) Projects: opinions on genetic testing for cancer risk; e-cigarette use in young adults; surveillance of NYC metropolitan area cancer screening programs Conduct data analysis, prepare manuscripts, prepare health needs reports 	2020-2021

- Research Coordinator, Breast Cancer Family Registry, Department of Epidemiology, Mailman School of Public Health, Columbia University 2019-2021
- Supervisor: Dr. Mary Beth Terry
 - Projects: temporal trends in cancer incidence and mortality; environmental exposures and breast cancer risk in mother-daughter pairs; Young Women's Study; Breast Cancer Family Registry 25-year follow up; LEGACY Girls Study
 - Conduct data analysis, lead coordination for new nested cohort (Young Women's Study), develop and program mail and electronic questionnaires, conduct data collection, data cleaning, participant outreach and engagement
- Graduate Research Assistant, Breast Cancer Family Registry, Department of Epidemiology, Mailman School of Public Health, Columbia University 2018-2019
- Supervisor: Dr. Mary Beth Terry
 - Projects: temporal trends in breast cancer and parity; Breast Cancer Family Registry 25-year follow up; LEGACY Girls Study
 - Conduct data analysis, assist in research coordination efforts
- Fellow, Program for Global and Population Health Fellowship, Columbia University & Makerere University, Kampala, Uganda 2018
- Supervisors: Dr. Ezekiel Mupere, Dr. Wilmot James, Dr. Phillip LaRussa
 - Project: seasonality and antimicrobial resistance in Kampala Uganda hospital
 - Organized study design, drafted research question, collected data, conducted analysis, poster preparation
- Research Student, Department of Internal Medicine, College of Medicine, Ohio State University 2015-2017
- Supervisor: Dr. Konstantinos Boudoulas
 - Project: genetic associations of mitral valve prolapse in Greek patients
 - Selected SNPs for study, conducted genotyping and data analysis, draft manuscript and abstract, presented at American College of Cardiology Scientific Sessions 2016
- Summer Research Student, Summer Research Training Program, College of Pharmacy, University of Florida 2014
- Supervisors: Dr. Mohamed Shahin, Dr. Rhonda Cooper-DeHoff
 - Project: pharmacogenetics of warfarin in Egyptian patients; long-term mortality in International Verapamil/Trandolapril Study
 - Conducted genotyping, data analysis, National Death Index data collection

TEACHING EXPERIENCE

- University at Buffalo Graduate Teaching Assistantship**
- Principles of Epidemiology (*EEH 501*) Fall 2022
- Professor: Dr. Pauline Mendola, Department Chair
 - Assist professor in teaching a required master's and doctoral-level introductory epidemiology course. Course is designed to introduce epidemiology and epidemiology methods, including basic measures in describing disease frequency, descriptive and analytic approaches, and the role of epidemiology in health services and policy.

- Develop in-class problem sets, quizzes, and exams; student engagement; grading course material; lead teaching for one lecture.

Columbia University Mailman School of Public Health Graduate Teaching Assistantship

Public Health Foundations (*P6020*)

Fall 2018

- Professors: Dr. James Colgrove, Dr. Ronald Bayer, Dr. Lynn Freedman
- Assist professors teaching courses History of Public Health, Ethics and Public Health, and Human Rights within the public health arena.
- TA responsibilities: lead discussions reviewing and debating course material and how history, ethics and human rights affect and interact with public health; teach and grade academic and analytic writing and opinion editorials.

POSITIONS AND LEADERSHIP EXPERIENCES

Board Member, Epidemiology and Environmental Health Graduate Student Association, UB	2022-present
Graduate Assistant, Department of Epidemiology and Environmental Health, School of Public Health and Health Professionals, UB	2021-present
Data Analyst, Community Outreach and Engagement Office, Herbert Irving Comprehensive Cancer Center, Columbia University	2020-2021
Committee Member, Curricular Content & Pedagogy – Fighting Oppression, Racism and White Privilege through Action, Research and Discourse (FORWARD), Mailman School of Public Health, Columbia University	2020-2021
Research Coordinator, Breast Cancer Family Registry, Department of Epidemiology, Mailman School of Public Health, Columbia University	2019-2021
Graduate Research Assistant, Breast Cancer Family Registry, Department of Epidemiology, Mailman School of Public Health, Columbia University	2018-2019
Graduate Teaching Assistant, Department of Sociomedical Sciences, Mailman School of Public Health, Columbia University	2018
Fellow, Program for Global and Population Health Fellowship, Columbia University & Makerere University, Kampala, Uganda	2018
Research Student, Department of Internal Medicine, College of Medicine, Ohio State University	2015-2017
Summer Research Student, Summer Research Training Program, College of Pharmacy, University of Florida	2014

HONORS

EpiSummer Scholarship - Epidemiology of Police Violence, Department of Epidemiology, Mailman School of Public Health, Columbia University	2021
EpiSummer Scholarship - Machine Learning for Epidemiologists, Department of Epidemiology, Mailman School of Public Health, Columbia University	2020

ORIGINAL PUBLICATIONS AND ABSTRACT PRESENTATIONS

1. Hamadeh IS, Shahin MH, **Lima SM**, Oliveira F, Wilson L, Khalifa SI, Langaee TY, Cooper-DeHoff RM, Cavallari LH, Johnson JA. Impact of GGCX, STX1B, and FPGS Polymorphisms on Warfarin Dose Requirements in European Americans and Egyptians. *Clin Transl Sci*. 2016 Feb;9(1):36-42. Epub 2016 Jan 19. PMID 26751406. PMCID PMC4760888.
2. **Lima SM**, Theofilogiannakos EK, Boudoulas K, Shahin MH, Hamadeh IS, Langaee TY, Cavallari LH, Pitsis AA, Boudoulas H. Genetic determination of collagen synthesis and degradation in patients with floppy mitral valve/mitral valve prolapse. *Cardiology*. 2017 July 28; 138(3): 179-185. PMID 28750369.
3. **Lima SM**, Kehm RD, Swett K, Gonsalves L, Terry MB. Trends in Parity and Breast Cancer Incidence in US Women Younger Than 40 Years From 1935 to 2015. *JAMA Network Open*. 2020;3:e200929-e. PMID: 32167569; PMC: 32167569
4. Bellanger M*, **Lima SM***, Cowppli-Bony A, Molinié F, Terry MB. Effects of fertility on breast cancer incidence trends: comparing France and US. *Cancer Causes Control*. 2021 Aug;32(8):903-910. doi:10.1007/s10552-021-01440-2. PMID: 34041643.
*Both authors contributed equally
5. **Lima SM**, Kehm RD, Terry MB. Global breast cancer incidence and mortality trends by region, age-groups, and fertility patterns. *EClinicalMedicine*. 2021 Jul 7;38:100985. doi: 10.1016/j.eclinm.2021.100985. PMID: 34278281; PMCID: PMC8271114.
6. Kehm RD, **Lima SM**, Swett K, Mueller L, Yang W, Gonsalves L, Terry MB. Age-specific Trends in Colorectal Cancer Incidence for Women and Men, 1935-2017. *Gastroenterology*. 2021 Sep;161(3):1060-1062.e3. doi: 10.1053/j.gastro.2021.05.050. PMID: 34058214.
7. Hillyer GC, Nazareth M, **Lima S**, Schmitt KM, Reyes A, Fleck E, Schwartz GK, Terry MB. E-cigarette Use Among Young Adult Patients: The Opportunity to Intervene on Risky Lifestyle Behaviors to Reduce Cancer Risk. *J Community Health*. 2021 Aug 27. doi:10.1007/s10900-021-01027-7. PMID:34453225.
8. **Lima SM**, Nazareth M, Schmitt KM, Reyes A, Fleck E, Schwartz GK, Terry MB, Hillyer GC. Interest in genetic testing and risk-reducing behavioral changes: results from a community health assessment in New York City. *J. Community Genet. (Under Review)*.
9. **Lima SM**, Dibbell M, Erwin DO, Johnson D, Jandorf L, Meadows Ray V, Ochs-Balcom HM. Likeness in reproductive risk factors and breast cancer in a familial African ancestry study. *In Preparation*.
10. **Lima SM**, Ren X, Mu L, Palermo T. Investigating social support as a modifier of the relationship between food insecurity and telomere length. *In Preparation*.

POSTER AND ABSTRACT PRESENTATIONS

1. **Lima SM**, Theofilogiannakos EK, Boudoulas K, Shahin MH, Hamadeh IS, Langaee TY, Cavallari LH, Pitsis AA, Boudoulas H. Genetic determination of collagen synthesis and degradation in patients with floppy mitral valve/mitral valve prolapse (abstract). 2016 Scientific Sessions of the American College of Cardiology, April 2016, Chicago, Illinois. *J Am Coll Cardiol (JACC)* 2016; 67:2221.

2. **Lima SM**, Kehm RD, Swett K, Gonsalves L, Terry MB. Trends in Parity and Breast Cancer Incidence in US Women Younger Than 40 Years From 1935 to 2015 (abstract). New York City Cancer Prevention Conference. June 2018.
3. Hillyer GC, Nazareth M, **Lima SM**, Schmitt KM, Reyes A, Albert DA, Bulman WA, Terry MB. E-cigarette use and future health of our youth: Results of a community-based cancer needs assessment (abstract). American Society of Preventive Oncology. March 2021.
4. **Lima SM**, Dibbell M, Erwin DO, Johnson D, Jandorf L, Meadows Ray V, Ochs-Balcom HM. Familial likeness in reproductive risk factors and breast cancer in a familial African ancestry study. UB School of Public Health and Health Professions Perry Poster Day. March 2022. <https://flipgrid.com/0a6ef4fe>

EDITORIALS

1. **Lima SM**. US needs a centralized education system. *Gainesville Sun*. epub August 26, 2020. Print August 28, 2020. Op-ed. <https://www.gainesville.com/story/opinion/2020/08/26/us-needs-centralized-education-system/3412555001/>

SKILLS AND CERTIFICATIONS

- Statistics & Programming
 - *Advanced:*
 - SAS
 - STATA
 - Qualtrics (sample work: <https://qualtrics.com/YWS/preview>),
 - R (sample work: <https://rpubs.com/sl4280>)
 - *Intermediate:*
 - SPSS, JAVA,
- Lab: genotyping, pyrosequencing, PCR, gel electrophoresis
- Certifications: HIPPA, CITI Human Subjects