**Elizabeth Ludwig-Borycz, Ph.D., M.P.H.**

**CURRICULUM VITAE**

**CONTACT INFORMATION**

University of Michigan School for Environment and Sustainability

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**EDUCATION**

2023-Present Post-doctoral Research Fellow in Climate Change and Health Equity

University of Michigan School for Environment and Sustainability

Ann Arbor, Michigan

Mentor: Dr. Arun Agrawal

2019-2022 Doctor of Philosophy in Nutritional Epidemiology

University of Michigan School of Public Health

Ann Arbor, Michigan

Dissertation Title: Sustainable Diets Among Sociodemographically Diverse Populations in the U.S. Before and During the COVID-19 Pandemic

Mentor: Dr. Kate Bauer

2017-2019 Master of Public Health in Global Health Epidemiology

University of Michigan School of Public Health

Ann Arbor, Michigan

2009-2013 Bachelor of Art in Political Science, minor in the Environment

University of Michigan College of Literature, Science, and the Arts

Ann Arbor, Michigan

**PROFESSIONAL EXPERIENCE**

**University of Michigan Department of Nutritional Sciences Ann Arbor, Michigan**

*Principal Investigator, SUSTAIN Study* August 2020 – Present

* Developed SUSTAIN, a cross-sectional study to describe changes in sustainable food consumption beliefs and behaviors during COVID-19 among a socio-demographically diverse sample of adults.
* Successfully secured project funding of $4,500 through the Rackham Graduate Student Research Grant.
* Developed survey instruments, Institutional Review Board application, study protocol materials, and designed Qualtrics survey.
* Supervised participant recruitment and managed data collection and analysis of 1,200 participants.

**RTI International Research Triangle Park, NC**

*Consultant, Center for Global Noncommunicable Diseases* September 2021 – December 2022

* Prepare investment cases for UNICEF on interventions to prevent and reduce childhood overweight and obesity in Mexico, China, and Peru.
* Conduct systematic literature reviews for country-specific costs of obesity to support the World Obesity Federation Investment Case on obesity.

**University of Michigan Department of Health Behavior Health Education Ann Arbor, Michigan**

*Graduate Student Research Assistant, AIMS T1D Study* August 2019 – August 2021

* Served as the primary Interventionist for the Randomized Control Trial AIMS T1D (NCT03688919), a behavioral intervention to improve teens’ management of their type 1 diabetes with 88 participants.
* Developed study protocol materials and assisted with participant recruitment.
* Conducted medical chart review, data entry, and analysis.

**University of Michigan Department of Nutritional Sciences Ann Arbor, Michigan**

*Global Health Research Associate, The Invisible Fishers Study* Summer 2019

* Coordinated Ghanaian research meetings for The Invisible Fishers Study (NCT03498755) across twelve fish-smoking communities in two regions of Ghana with a total of 120 participants. The study was a multi-sectoral behavior change intervention into fisheries value chain aimed at mitigating anemia among women in Ghana through strengthening market engagement of fish processors and improved fish smoking technology.
* Conducted data analysis and wrote project report to convey study findings.

**University of Michigan EcoMiD Research Team Esmeraldas, Ecuador**

*Co-Investigator* January 2018 – December 2018

* Developed a cross-sectional study with two specific aims that was successfully funded at $5,300.
* Designed structured 24-hour dietary recalls along with the field protocol for anthropometry tailored culturally, using input from nutritionist collaborators at Universidad San Francisco de Quito.
* Managed the training of five fieldworkers to implement the study in Esmeraldas, Ecuador consisting of 75 mother-infant pairs selected via convenience sampling.
* Restructured and improved 11 ODK Survey Forms for tablet collection of surveys in the field.

**International Samaritan Ann Arbor, Michigan**

*Development Coordinator* July 2016 – May 2017

* Researched new potential donors, grants, and fundraising opportunities. Generated around $5,000 in new donations through establishing an inaugural 5k fundraising event, online donation platform, and emergency relief fundraiser.
* Managed social media, website, Salesforce donor database, and communications. Oversaw the role out of a new website design with Pure Charity.
* Managed marketing materials for promotional outreach. Developed three promotional videos, 37 marketing materials, and designed the yearly creative mailer for engaging new prospective partners. Oversaw the production of 200 creative mailers that were distributed to prospective partners.
* Managed four office volunteers to assist in preparing marketing materials, getting ready for conferences, and planning the annual board meeting.
* Recruited four new partnering high schools and colleges for international service trips through implementing marketing strategy utilizing promotional materials.
* Trained the new International Service Coordinator to promote and market service-learning experiences.

**United States Peace Corps Naryn City, Kyrgyzstan**

*Health Education Volunteer*  April 2014 – May 2016

* Managed health seminars on chronic and communicable disease prevention in Kyrgyzstan to mitigate their prevalence. Taught 120 pregnant mothers about maternal and child health, 73 school children HIV and Hepatitis A prevention, led seven diabetes and cardiovascular disease seminars, and trained 18 village biology teachers to teach their 1,800 students about nutrition, chronic disease, HIV, and Hepatitis A.
* Managed and fundraised a $4,534 project for the reconstruction of Naryn orphanage infirmary room.
* Taught an intensive women’s health/empowerment and HIV curriculum to 20 orphan girls in Naryn.
* Managed summer sports camp for 28 students and coordinated Peace Corps Volunteers to lead sessions.
* Taught 13 English classes from beginner to advanced ranging from one to four semesters. Taught medical English language to eight medical professionals in Naryn City.
* Collaborated with community partners from inception to realization for all projects so that community development would be sustainable into the future through developing local capacity.
* Represented Naryn Oblast as Gender and equality committee member, *2014-2015.*

**Professor Michael Heaney Ann Arbor, Michigan**

*Researcher* Winter 2013

* Researched information about Tea Party/Occupy Wall Street events and presented preliminary findings.

**HONORS AND AWARDS**

2021 Rackham Graduate Student Research Grant, $4,500

2017-2019 Dean’s Scholarship Award, $50,000

2018 Gelman Global Scholar

2018 Center for Latin American and Caribbean Studies Field Grant Fellow, $800

2012-2013 University Honors

2009-2010 University Honors

2010 Student Scholar in Brazil with Global Intercultural Experience for Undergraduates

**PUBLICATIONS**

1. **Elizabeth Ludwig-Borycz**, Ana Baylin, Andrew D. Jones, Allison Webster, Anne Elise Stratton, Katherine W. Bauer. Changing sustainable diet behaviors during the COVID-19 Pandemic: Inequitable outcomes across a socio-demographically diverse sample of adults. Public Health Nutrition. Under Review. 2023
2. **Elizabeth Ludwig-Borycz**, Dianne Neumark-Sztainer, Nicole Larson, Ana Baylin, Andrew D. Jones, Allison Webster, Katherine W. Bauer. Personal, Behavioral, and Socio-environmental Correlates of Emerging Adults’ Sustainable Food Consumption. Public Health Nutrition. Under Review. 2023
3. Roya Firoozi MS, Heidi M. Weeks, **Elizabeth Ludwig-Borcyz**, Michelle Clayson, Cindy Leung, Belinda Needham, Katherine W. Bauer. Household Federal Food Program Participation and Beverage Intake among Low-Income Mothers and Young Children. Journal of Nutrition Education and Behavior. Under Review. 2022.
4. Mauro Brero, Garrison Spencer, Angela Jackson-Morris, **Elizabeth Ludwig-Borycz**, Daphne Wu, Christina Meyer, Anabel Fiorella Espinosa De Candido, Maria Isabel Ferre Eguiluz, Anabelle Bonvecchio Arenas, Jo Jewell, Rachel Nugent. Investment case for the prevention and reduction of childhood and adolescent overweight and obesity in Mexico. Obesity Reviews. Under Review. 2022
5. Katherine M. Bunnell, Maymona Al-Hinai, Heidi M. Guyer, Abeer Ali Aljahdali, **Elizabeth F. Ludwig-Borycz**, Ana Baylin. Sociodemographic Characteristic of Organic Food Consumers in the Health and Retirement Study. Nutrients. Revise and Resubmit. 2022.
6. Andrea Sosa-Moreno, Gwenyth O. Lee, Amanda Van Engen, Kelly Sun, Jessica Uruchima, Laura H. Kwong, **Elizabeth Ludwig-Borycz**, Bethany Caruso, William Cevallos, Karen Levy, Joseph N.S. Eisenberg. Characterizing exposure to fecal pathogens among Infants in urban Ecuador through structured observations. American Journal of Tropical Medicine and Hygiene. 2022 Apr 11;106(6):1747–56. doi: 10.4269/ajtmh.21-1099.
7. **Elizabeth F. Ludwig-Borycz**, Mark L. Wilson, Esi K. Colecraft, Andrew D. Jones. Enhancing fisheries value chains improves Ghanaian women’s diet diversity and animal-source food consumption. Food & Nutrition Research. 2022; (66) doi: 10.29219/fnr.v66.7570
8. Abeer Ali Aljahdali; Ana Baylin; **Elizabeth Ludwig-Borycz**; Heidi Guyer. Organic Food Consumption and Metabolic Syndrome in Older Adults: Cross-Sectional and Longitudinal Analyses. European Journal of Nutrition. 2021; doi:10.1007/s00394-021-02717-7
9. **Elizabeth Ludwig-Borycz**, Heidi M Guyer, Abeer Aljahdali, Ana Baylin. Organic food consumption is associated with inflammatory biomarkers among older adults. Public Health Nutrition. 2021;24(14):4603-4613. doi:10.1017/S1368980020005236
10. Katherine W. Bauer, Heidi M. Weeks, Kinari Shah, **Elizabeth Ludwig-Borycz**, Hurley Riley, Julie C. Lumeng, Alison L. Miller. Observed Restrictive Feeding Practices among Low-Income Mothers of Pre-Adolescents. Pediatric Obesity. 2020;15(10):1-8. doi:10.1111/ijpo.12666

**CONFERENCE PRESENTATIONS**

1. **Elizabeth Ludwig-Borycz,** Ana Baylin, Andrew Jones, Allison Webster, Anne Elise Stratton, Katherine Bauer. Changes in adults’ sustainable food behaviors during the COVID-19 pandemic. Oral Presentation, Michigan University-wide Sustainability and Environment Conference, Ann Arbor, MI. February 2022.
2. Bethany Caruso, William Cevallos, Karen Levy, Joseph N.S. Eisenberg. Infant exposure to fecal pathogens among Infants in urban Ecuador: Formative research on the development of a structured observation instrument. American Society of Tropical Medicine & Hygiene. Virtual, November 2020.
3. Abeer Aljahdali, Ana Baylin, **Elizabeth Ludwig-Borycz**, Heidi Guyer. Association between Organic Food Consumption and Metabolic Syndrome: A Longitudinal Study in Older Adults. Poster Presentation, Society for Epidemiologic Research Conference, Boston, MA. December 2020.
4. Gwenyth O. Lee\*, Andrea Sosa-Moreno\*, Amanda Van Engen, Kelly Sun, Jessica Uruchima, Laura Kwong, **Elizabeth Ludwig-Borycz**, Bethany Caruso, William Cevallos, Karen Levy, Joseph N.S. Eisenberg. Infant exposure to fecal pathogens among Infants in urban Ecuador: Formative research on the development of a structured observation instrument. American Society of Tropical Medicine & Hygiene. Virtual, November 2020.
5. **Ludwig-Borycz E**, Guyer H, Aljahadli A, Baylin A. Organic food consumption is associated with inflammatory biomarkers among older adults in the U.S.A. Poster Presentation, American Society for Nutrition Conference. Virtual. June 2020.
6. **Ludwig-Borycz E**, Guyer H, Aljahadli A, Baylin A. Organic Agriculture: Environmental Sustainability & Human Health. Oral Presentation, Michigan University-wide Sustainability and Environment Conference, Ann Arbor, MI. February 2020.
7. **Ludwig-Borycz E**, Guyer H, Lee G, Jones A, Eisenberg J. Characterizing the Infant Diet in Esmeraldas, Ecuador: A Preliminary Analysis for the EcoMiD Microbiome Cohort Study. Poster Presentation, Office of Global Public Health, Ann Arbor, MI. January 2019.
8. **Ludwig-Borycz E**, Guyer H, Lee G, Jones A, Eisenberg J. Characterizing the Infant Diet in Esmeraldas, Ecuador: A Preliminary Analysis for the EcoMiD Microbiome Cohort Study. Poster Presentation, Epidemiology Internship. November 2018.
9. **Ludwig-Borycz E**, Guyer H, Lee G, Jones A, Eisenberg J. Characterizing the Infant Diet in Esmeraldas, Ecuador: A Preliminary Analysis for the EcoMiD Microbiome Cohort Study. Oral Presentation, Latin American and Caribbean Studies Field Grant Conference, Ann Arbor, MI. November 2018.

**POLICY AND LEADERSHIP**

2013 Environmental Legislative Intern

Office of Senator Debbie Stabenow, Washington DC

2013 Policy Intern

Office of Glenn Thibeault, Member of Canadian Parliament, Ottawa, Canada

2011-2012 Founder, Student Coordinator

MESA Trotter Affiliate Program, Ann Arbor, Michigan

**TEACHING**

2021-2022 Graduate Student Instructor, PUBHLTH 200: Health and Society

University of Michigan School of Public Health, Ann Arbor, MI

2018 Grader for EPID 640 SAS for Epidemiological Research

University of Michigan School of Public Health, Ann Arbor, MI

2011-2012 College Facilitator/Curriculum Development

University of Michigan, Intergroup Relations, Ann Arbor, MI

2010-2011 AmeriCorps Jumpstart Corps Member

AmerCorps, Ann Arbor, MI

**SCHOLARLY CONTRIBUTIONS AND SERVICE**

**Academic Service**

2023-Present Center for Global Health Equity Member University of Michigan

2020-2021 Michigan University-wide Sustainability and Environment (MUSE) Conference Organizing Committee

2019-2021 Co-Chair Ph.D./MS Nutritional Sciences Research Workshop

**Ad Hoc Journal Reviewer**

The American Journal of Clinical Nutrition

International Journal of Behavioral Nutrition and Physical Activity

**SKILLS**

**Computer Proficiency:** SAS, SPSS, R, Qualtrics, ODK, REDCap, MiChart, InDesign, iMovie, and Salesforce.

**Languages:** Kyrgyz (advanced), Mandarin Chinese (intermediate), and Spanish (beginner)