

ELIZABETH LORRAINE FOX

Hecht-Levi Postdoctoral Fellow
Berman Institute of Bioethics, Johns Hopkins University
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EDUCATION AND TRAINING

2016 Ph.D., International Nutrition, Cornell University, Ithaca, NY
Minor fields: Epidemiology, Social Policy

2009 B.S., Nutritional Sciences, Cornell University, Ithaca, NY
Minor: Global Health

RESEARCH INTERESTS

- Improving the implementation of nutrition policies and interventions such that they are culturally and contextually appropriate for target beneficiaries in low-, middle-, and high-income countries
- Using focused ethnographic methods to capture the priorities, preferences and value tradeoffs involved in nutrition decisions
- Investigating approaches across food systems, including those related to the food environments and provider behaviors, to support healthy and sustainable diets

PROFESSIONAL EXPERIENCE

2016- **Hecht-Levi Postdoctoral Fellow in Food and Nutrition Ethics**, Berman Institute of Bioethics, Johns Hopkins University, Baltimore, MD

2010-11 **Nutrition Program Coordinator**, Les Centres GHESKIO, Port-au-Prince, Haiti

2009 **Degreed Nutritionist**, Women, Infants and Children Program, San Diego, CA

RESEARCH EXPERIENCE

Conceptual framework development of child-centered food systems. Research consultant, UNICEF and Global Alliance for Improved Nutrition. May 2018 - present.

Focused ethnography on food choice drivers, food environments and non-communicable disease in low-income settings of Kenya. Co-investigator, Rutgers University, New Brunswick, NJ and Nairobi, Kenya. March 2018 - present.

Qualitative research with producers and consumers on values and value trade-offs related to animal-source food production and consumption in the United States. Co-investigator, Johns Hopkins University, Baltimore MD. March 2017 - present.

Review of evidence and implementation gaps of nutrition interventions targeted pregnant and lactating women, women of reproductive age, and adolescent girls. Principal investigator, Johns Hopkins University, Baltimore MD. December 2016 – May 2018.

Practical ethics of climate-induced livelihood transitions among pastoralists. Co-investigator, Johns Hopkins University, Baltimore MD and Isiolo, Kenya. September 2016 – April 2018.

Focused ethnographic research on mothers' perceptions and prioritizations of infant feeding messages in the context of HIV. Principal Investigator, Cornell University, Ithaca NY and Les Centres GHESKIO, Port-au-Prince, Haiti. November 2013 - August 2016.

Feasibility research of multiple intervention indicator for child nutrition outcomes. Qualitative Researcher, MSPP/UNICEF-Haiti, Port-au-Prince, Haiti. June - July 2012.

Photovoice project of infant feeding behaviors of HIV-infected women in post-earthquake Haiti. Principal Investigator, Les Centres GHESKIO, Port-au-Prince, Haiti. July 2011.

Pilot study on effectiveness of diabetes education, Summer Intern, Instituto Nacional de Diabetes, Endocrinología, y Nutrición, Santo Domingo, Dominican Republic. June - August 2008.

Literature review of effectiveness of different health interventions, Research Assistant, Division of Nutritional Sciences, Cornell University, Ithaca NY. March 2007 - January 2008.

RESEARCH GRANTS AND FELLOWSHIPS

2018-2020 **Rutgers Global Health Institute, Rutgers University**

Mapping the Food Environment in an Urban Slum in Kenya: A Mixed-Methods Pilot Study to Inform the Development of a Discrete Choice Experiment, Principal Investigator: S Downs (\$20,000 USD), Role: Co-investigator

2017-2020 **Stavros Niarchos Foundation**

Animal Source Foods in the United States, Global Food Ethics and Policy Program, Principal Investigators: J Fanzo, R Faden (\$3,195,000 USD), Role: Co-investigator

- 2016-2018 **Johns Hopkins University Exploration Practical Ethics, Johns Hopkins University**
 Practical Ethics of Mitigating Conflict Amongst Water and Food Resource Constrained Populations in the Northern Kenya Semi-Arid Lands, Principal Investigator: J Fanzo (\$50,000 USD), Role: Co-investigator
- 2015-16 **American Dissertation Fellowship, American Association of University Women**
 Breastfeeding and HIV – Towards Maternal-Centered Messaging, Principal Investigator: E Fox (\$20,000 USD)
- 2014 **Student Field Support, International Hunger Fund**
 Breastfeeding and HIV – Towards Maternal-Centered Messaging, Principal Investigator: E Fox (\$2,000 USD)
- 2013-14 **Human Ecology Alumni Association Student Grant, Cornell University**
 Improving Breastfeeding Support Interventions for HIV-Positive Women in Haiti, Principal Investigator: E Fox (\$950 USD)
- 2012-14 **Travel Grant, Mario Einaudi Center for International Studies, Cornell University**
 Influence of Breastfeeding Messages and Source on Maternal Breastfeeding Behaviors, Principal Investigator: E Fox (\$2,700 USD)
- 2012, 14 **Research Travel Grant, Graduate School, Cornell University**
 Breastfeeding and HIV – Towards Maternal-Centered Messaging, Principal Investigator: E Fox (\$2,415 USD)
- 2012-13 **Division of Nutritional Sciences Small Grant, Cornell University**
 Breastfeeding Support Interventions for HIV-positive Women at Les Centres GHESKIO, Principal Investigator: E Fox (\$1,500 USD)

PUBLICATIONS

Refereed Journal Articles

EAT-Lancet Commission (**contributing author**). Our food in the Anthropocene: The EAT-Lancet Commission on healthy diets from sustainable food systems. *Lancet*. (In press)

Fanzo J, Cordes KY, **Fox EL**, Bulman A. Tying the Knot: An interdisciplinary approach to understanding and applying a human right to nutrition. *Columbia J Transnatl Law*. (In press).

Walker AK* and **Fox EL*** (*equal contributions). Why marginalization, not vulnerability, can best identify people in need of special care in medicine and nutrition. *AMA J Ethics*. 2018; 20(10):e940-946.

Fox EL, Davis C, Downs SM, Schultink W, Fanzo J. Who is the woman in women's nutrition? A narrative review of evidence and actions to support women's nutrition throughout life. *Curr Dev Nutr*. 2018; nzy076.

Fox EL, Pelto GH, Bar H, Rasmussen KM, Young SL, Debrosse GM, Rouzier V, Pape JW, Pelletier DL. Capturing changes in HIV-infected, breastfeeding mothers' cognitive processes from before delivery to five months postpartum: An application of the pile sorting technique in Haiti. *Curr Dev Nutr*. 2018; 2(6):nzy017. **(Editor's Choice)**

Fox EL, Pelto GH, Rasmussen KM, Rouzier V, Debrosse GM, Pape JW, Pelletier DL. Who knows what: An exploration of the infant feeding message environment and intracultural differences in Port-au-Prince, Haiti. *Matern Child Nutr*. 2017; 14(2):e12537.

Koenig SP, Bornstein A, Severe K, **Fox E**, Dévieux JG, Severe P, Joseph P, Marcelin A, Bright A, Cremieux P, Pape JW. A second look at the association between gender and mortality on antiretroviral therapy. *PLOS One*. 2015; 10(11):e0142101.

Works in Progress

Fox EL, Pelto GH, Young SL, Rasmussen KM, Debrosse GM, Rouzier V, Pape JW, Pelletier DL. Socio-ecological influences in Haitian mothers' experiences with breastfeeding in the first week postpartum. (In preparation)

Fox EL, Bulman A, Cordes KY, Harris J, Fanzo J. Why a Human Right to Adequate Nutrition should be a right in itself. (In preparation)

Fox EL, Kabelo A, Abdi F, Reich A, Swartz H, Michlig G, Fanzo J. Pastoralists' livelihoods in northern Kenya: A participatory application of the capabilities approach. (In preparation)

Reports and Other Publications

United Nations High Level Panel of Experts on Food Security and Nutrition (**contributor**). Nutrition and Food Systems: Call for coherence, action and accountability. Rome, Italy: Committee on World Food Security, Food and Agriculture Organization; 2017.

Fox E*, Toure D*, Beaulier JM, Heidkamp R, Gervais S, Pelletier D (*equal contributions). Feasibility of a multiple intervention indicator. Operations Research Report, Integrated Community Nutrition Program "Program Assessment Guide". Port-au-Prince, Haiti: Haitian Ministry of Health, UNICEF and Micronutrient Initiative; 2012.

Dissertation

Fox EL. Breast Practices: An exploration of intracultural variation in mothers' perceptions about infant feeding recommendations in the context of HIV. Ithaca, NY: Cornell University; 2016.

TALKS AND PRESENTATIONS

Invited Talks

Benedict R, Du L, **Fox E**, Kim S, Mbuya M, Toure D. What's data got to do with it? Perspectives and contributions to the nutrition data revolution. Panel discussion, Seminar in International Nutrition. Ithaca, NY: Division of Nutritional Sciences, Cornell University; October 2018.

Fox E. Understanding moral dilemmas of pastoralist sedentarization: Practical ethics of mitigating conflict amongst water and food resource-constrained populations in Northern Kenya's Semi-Arid Lands. Practical Ethics Symposium. Baltimore, MD: Johns Hopkins University; January 2017.

Fox E. Social-ethical issues and access to treatments for malnutrition. Microbiota and Health: The Challenges of a Promising Approach. 5th Annual Better Food for Better Health Conference. Veyrier-du-Lac, France: Fondation Mérieux; April 2016.

Conference Abstract Presentations

Fox E, Fanzo J. The case of pastoralism in Northern Kenya: Food, water, land, and livelihoods. Poster Presentation. 1st Annual American Society for Nutrition Conference. Boston, MA; June 2018.

Fox E, Downs S, Fanzo J, Rieder T. A carbon tax on food must be ethically nuanced. Poster Presentation. 22nd International Congress of Nutrition, International Union of Nutritional Sciences. Buenos Aires, Argentina; October 2017.

Fox E, Fanzo J. The case of pastoralism in northern Kenya: Food, water, land and livelihoods. Oral Presentation. 22nd International Congress of Nutrition, International Union of Nutritional Sciences. Buenos Aires, Argentina; October 2017.

Fox E, Pelto G, Rasmussen KM, Young SL, Pelletier DL. When the reality of breastfeeding sets in: How HIV-infected mothers' perceptions about infant feeding messages changes over time. Oral Presentation. 2017 Experimental Biology Conference, Global Nutrition: Measuring and Improving the Effectiveness of Nutrition Interventions. Chicago, IL; April 2017.

Fox E, Pelto G, Pelletier DL. Breast practices: How HIV-infected mothers' perceptions about infant feeding messages change over time. Oral Presentation. Society for Applied Anthropology 77th Annual Meeting. Santa Fe, NM; March 2017.

Fox E, Pelto G, Young SL, Pelletier DL. Who knows what: An exploration of the infant feeding message environment and intra-cultural differences in Port-au-Prince, Haiti. Poster Presentation. Society for Applied Anthropology 76th Annual Meeting. Vancouver, British Columbia; March 2016. **(First place, student poster competition)**

Fox E, Pelto G, Rouzier V, Debrosse MG, Pape JW, Pelletier D. Closing the research-practice gap for breastfeeding support using ethnographic methods in Haiti. Poster Presentation. 143rd

American Public Health Association Annual Meeting and Exposition, International Health. Chicago, IL; October 2015.

Fox E, Pelto G, Rouzier V, Debrosse MG, Rasmussen R, Young S, Strupp B, Pape JW, Pelletier D. The message environment and salience of infant and young child feeding messages for health workers, HIV-infected and HIV-uninfected mothers in urban Haiti. Poster Presentation. 2015 Experimental Biology Conference, Global Nutrition: Diets and Foods. Boston, MA; March 2015.

Fox E, Rouzier V, Debrosse MG, Pape JW. Breastfeeding and HIV: Towards maternal-centered messaging. Oral Presentation. 2014 Caribbean, Central American and South American Network (CCASANET) Conference. Port-au-Prince, Haiti; November 2014.

Fox E, Heidkamp R, Cunningham T, Rouzier V, Pape JW. Using Photovoice methodology with HIV-positive caregivers to inform the design of nutrition interventions in urban Haiti. Poster and Oral Presentation. 2011 Caribbean HIV Conference: Strengthening Evidence to Achieve Sustainability. Nassau, Bahamas; November 2011.

Panels Organized

Transitioning food systems and shifting diets in low- and middle-income countries: What do they look like now, and where are they headed? 22nd International Congress of Nutrition, International Union of Nutritional Sciences. Buenos Aires, Argentina; October 2017.

TEACHING EXPERIENCE

Courses Taught

2015 **Adjunct Instructor**, Nutrition and Public Health, Latin American Studies Program, Cornell University, Ithaca, NY and Universidad de Nariño, Pasto, Colombia

2011-15 **Graduate Teaching Assistant**, Division of Nutritional Sciences, Cornell University, Ithaca, NY

Courses supported include:

Introduction to Global Health (Spring, 2015)

Nutrition and Health (Spring, 2014)

Food Policy for Developing Countries (Fall, 2011-13)

Foundations of Epidemiology (Spring, 2013)

Nutrition Communication and Counseling (Spring, 2012)

Pedagogical Training

2014-16 **Graduate Teaching Assistant Fellow**, Center for Teaching Excellence, Cornell University, Ithaca, NY

Designed and facilitated the following workshops:

Role of TAs in Cultivating an Inclusive Classroom (Spring, 2015-16)

Active Learning Strategies to Engage Students in the Classroom (Fall, 2015)
Writing a Diversity Statement (Spring, 2015)
Understanding Academic Accommodations (Spring, 2015)

2011-15 **GETSET Certification**, Center for Teaching Excellence, Cornell University, Ithaca, NY
Participated in teaching workshops for “Graduate students, future Educators and Teaching assistants pursuing Scholarship and Excellence in Teaching” related to: Course Design, Developing a Professional Identity in Teaching, Innovative Approaches to Pedagogy, Understanding Undergraduate Learners.

Guest Lectures

Addressing inequities in maternal-child nutrition. Global Food Ethics. Baltimore, MD: Berman Institute of Bioethics and School of Public Health, Johns Hopkins University; April 2018.

Undernutrition, prioritization and discriminatory perceptions. Nutrition Ethics and Policy. Baltimore, MD: Berman Institute of Bioethics and School of Public Health, Johns Hopkins University; April 2017.

Maternal and child nutrition. Food Policy, Systems and Security. Washington, DC: School of Advanced International Studies, Johns Hopkins University; March 2017

Teaching Interests

Prepared to teach courses in: maternal-child nutrition, nutrition communications and counseling, social science perspectives on food and nutrition, qualitative research and focused ethnographic methods, implementation science, nutrition and global health, food and nutrition ethics, sustainable food systems, global food policy, and public health nutrition.

AWARDS AND HONORS

2016 First Place, Student Poster Competition, Society for Applied Anthropology 76th Annual Meeting
2016 Conference Travel Award, Graduate School, Cornell University
2015 Steininger Fellowship, Cornell University
2015 Margaret Newell Mitchell Fellowship, Cornell University
2015 Conference Travel Award, Graduate School, Cornell University
2014 Graduate School Deans Scholar, Provost’s Diversity Fellowship, The Graduate School, Cornell University
2011 Travel Award, 2011 Caribbean HIV Conference: Strengthening Evidence to Achieve Sustainable Action
2008-09 Sphinx Head Senior Honor Society, Cornell University
2007-09 Cornell University Tradition Fellowship, Cornell University

PROFESSIONAL SERVICE

Expert Committees

Organizer, Expert meeting on “Food Systems for Children and Adolescents: Working Together to Secure Nutritious Diets,” UNICEF Office of Research – Innocenti, Florence. November 2018.

Invited participant, Expert meeting on “The Effects of Livestock-derived Foods on the Nutrition (and Health) of Infants and their Mothers in Developing Countries,” International Livestock Research Institute and Chatham House, London. April 2018.

Graduate Students Supervised

Abigail Reich. Practical ethics of mitigating conflict amongst water and food-resource constrained populations in the Northern Kenya Semi-Arid Lands. Johns Hopkins University School of Public Health. MPH, 2018.

Massah Massaquoi. A longitudinal review of risk factors contributing to the recent reduction of child stunting across eight regions in Kenya. Johns Hopkins University School of Public Health. MPH, 2017.

Reviewer for:

Advances in Nutrition
BMC Public Health
Maternal Child Nutrition
Public Health Nutrition

Professional Memberships and Affiliations

Academy of Nutrition and Dietetics
American Association of University Women
American Public Health Association
American Society for Nutrition
Society for Applied Anthropology
Society for Implementation Science in Nutrition

UNIVERSITY SERVICE

Mid-Atlantic Fellows’ Symposium Planning Committee, Berman Institute of Bioethics, Johns Hopkins University, 2017-2018.

Organized meeting with bioethics postdoctoral representatives from the NIH and University of Pennsylvania to share research, provide feedback, and foster future collaborations and networks.

Inclusive Teaching Institute, Cornell University Center for the Integration of Research, Teaching and Learning, 2015-16.

Designed and implemented an institute for Cornell graduate students and postdocs to engage in discussions about diversity and to foster inclusive teaching practice.

Mi Comunidad/My Community Mentorship Program, Cornell University, 2015-16

Mentored underrepresented undergraduate students at Cornell University with regards to graduate school and built community among undergraduate, graduate and professional Latinx students, faculty, administrators and community members.

Food Agriculture and Nutrition Group, Cornell University, 2013-16

Promoted interdisciplinary research, teaching and outreach focused on sustainable development of food systems. Position held: Secretary (2014-15).

Latinx Graduate Student Coalition, Cornell University, 2011-16

Collaborated with Latinx graduate students from various Cornell University departments to provide academic and social support to Cornell University's Latinx community. Positions held: Treasurer (2011-12), Co-President (2012-13).

Nutrition Graduate Student Organization, Cornell University, 2011-16

Worked with other nutrition graduate students at Cornell University to provide social and academic support through mentoring, social events, a research symposium, and advocacy with the Division of Nutritional Sciences faculty.

Graduate Diversity Council, Cornell University, 2012-14

Worked with leaders in the Graduate School to identify issues, needs and concerns related to promoting diversity and inclusion among graduate students to include in the Graduate School's diversity initiatives.

RELATED PROFESSIONAL SKILLS

- Ethnographic research methods, including interviewing, focus group discussions, participatory observations, free listing, pile sorting, and social network analysis
- Qualitative research software including NVivo, ANTHROPAC, FLAME and UCINET
- Global health experiences related to infectious and non-infectious disease, and maternal-child nutrition
- Statistical analysis and epidemiology (including familiarity with R, JMP and SAS)

LANGUAGES

English (native)

Spanish (fluent)

Haitian Creole (intermediate)