

Curriculum Vitae

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ACADEMIC APPOINTMENT

- 2017- Associate Professor, Department of Anthropology, Washington University in St. Louis
- 2011-17 Assistant Professor, Department of Anthropology, Washington University in St. Louis
- 2013- Faculty Scholar, Institute for Public Health Scholar, Washington University in St. Louis

EDUCATION

- June 2011 Doctor of Philosophy, Department of Anthropology, Northwestern University. Dissertation title: *Life Course Influences on Milk Composition among Filipino Women Living in Cebu, Philippines.*
- Dec 2011 Masters in Public Health, Department of Public Health, Feinberg School of Medicine at Northwestern University.
- May 2003 *summa cum laude*, Bachelor of Science, Anthropology and Human Biology, Emory University.

CURRENT PROJECTS & FIELDWORK

- 2016-17 Principal Investigator, Pumping Experiences Survey. *Survey and experiment documenting women's perceptions of milk supply in the context of human milk expression. The study has completed data collection and analyses are ongoing.*
- 2013- Principal Investigator, Milk with Altitude: Studying infancy and reproduction in high altitude populations. *This study is a longitudinal birth cohort study of infancy and maternal health in a rural, high altitude living population. The study is in month 10 of 24 months of birth recruitment.*
- 2015- Principal Investigator, Milk with altitude: comparative study. *This study investigates high altitude adaptations in human milk from ethnic Tibetans living at high altitude (Nubri, Nepal) and low altitude (Kathmandu, Nepal). This project has completed data collection and new analyses are ongoing.*

- 2004- Researcher/Senior personnel, Cebu Longitudinal Health and Nutrition Survey, *Longitudinal birth cohort study of 3000+ mothers and infants followed since birth in 1983-4; my research emphasis is on offspring of the infants born in 1983-4, particularly breastfeeding behaviors, milk composition, and birth outcomes/reproductive investment.*
- 2011- Senior personnel, The 1000 Mothers Project. *Seven site project looking at population diversity in milk composition, especially oligosaccharides, and the establishment of the infant microbiome (intestinal bacteria).*

GRANTS & EXTERNAL FUNDING, AWARDS

- 2018-2021 Co-Principal Investigator, National Science Foundation. Genes, physiology, and reproductive fitness in high altitude environments. PI: Cynthia Beall, Case Western Reserve University. BCS# 1831530
- 2015-2019 Principal Investigator, National Science Foundation, Infant Growth, Milk Composition, and Maternal Energetics in a High Altitude Environment. Co-PI: Geoff Childs, Washington University in St. Louis. BCS#1518013
- 2015-16 Principal Investigator, American Association of Physical Anthropologists, Early Career Award; Growing up with altitude.
- 2013-14 Principal Investigator, Leakey Foundation, Milk with altitude: Investigations in milk composition among low and high altitude living Tibetans.
- 2013-14 Principal Investigator, Wenner Gren Foundation for Anthropological Research, Milk with altitude: Investigations in milk composition among high altitude living Tibetans.
- 2007-09 Co-Principal Investigator, Dissertation Improvement Grant, National Science Foundation . DDIG: Early life growth and nutrition and milk composition in adulthood. Co-PI with Chris Kuzawa, Northwestern University. BCS-0746320.
- 2006-09 National Science Foundation, Predoctoral Graduate Research Fellowship

AWARDS AND HONORS

- 2015 Undergraduate Research Mentor, Washington University in St. Louis
- 2015 Plenary Organizer, Human Biology Association
- 2014 Participant, School of Advanced Research, Santa Fe New Mexico “Cute but costly”: the evolution of human infants; Advanced Seminar
- 2012 Sony Award for Excellence in Teaching with Technology

PEER REVIEWED PUBLICATIONS

Klein LD, Huang J, **Quinn EA**, Martin MA, Breakey AA, Gurven M, Kaplan H, Valeggia C, Jasienska G, Scelza B, Lebrilla CB, Hinde K. (2018). Variation among populations in the immune protein composition of mother's milk reflects subsistence pattern. *Evol Med Public Health*. 2018 Oct 13;2018(1):230-245. doi: 10.1093/emph/eoy031.

Sarma MS, Gettler LT, Childs G, **Quinn EA**. (in press) When women work: Endocrine reactivity in women during everyday physical activity at high altitude. *Am J Hum Biol*. 2018 Sep 11:e23154. doi: 10.1002/ajhb.23154.

Quinn, EA, Anderson J*, McKinley K*, Onugha J*, Chernoff M*, Diki Bista, K. and Childs, G. (2017). Ecological pressures and milk composition in ethnic Tibetans living at different altitudes. *Annals of Human Biology* 44(1): 34-45. Doi: 10.3109/03014460.2016.1153144.

Quinn, EA, Diki Bista, K. and Childs, G. (2016), Milk at altitude: Human milk macronutrient composition in a high-altitude adapted population of Tibetans. *American Journal of Physical Anthropology* 159: 233–243. doi: 10.1002/ajpa.22871.

Anderson J*, McKinley K*, Onugha J*, Duaza P, Chernoff M*, **Quinn EA**. (2015) Lower levels of human milk adiponectin predict offspring weight for age: a study in a lean population of Filipinos. *Maternal and Child Nutrition* 12(4):790-800. doi: 10.1111/mcn.12216.

Quinn EA, Largado F, Borja JB, Kuzawa CW. (2015) Maternal Characteristics Associated with Milk Leptin Content in a Sample of Filipino Women and Associations with Infant Weight for Age. *Journal of Human Lactation* 31(2):273-81. doi: 10.1177/0890334414553247.

Yoon J*, Tooba R*, Largado F, Borja J, **Quinn EA**. (2014) Parity and hemoglobin levels in a one year birth cohort of lactating Filipino women. *American Journal of Human Biology* 26(3):421-3. doi: 10.1002/ajhb.22526.

Quinn EA. (2014) Too much of a good thing: an evolutionary argument for decreased iron fortification of infant formula in the United States. *American Journal of Human Biology* 26(1):10-7. doi: 10.1002/ajhb.22476.

Quinn EA. (2013) No evidence for sex biases in milk macronutrients, energy or breastfeeding frequency in a sample of Filipino mothers. *American Journal of Physical Anthropology* 152(2):209-16. doi: 10.1002/ajpa.22346.

Miller EM, Aiello MO, Fujita M, Hinde K, Milligan L, **Quinn EA**. (2013) Field and laboratory methods in human milk research. *American Journal of Human Biology* 25(1):1-11. doi: 10.1002/ajhb.22334.

Quinn EA, Kuzawa CW. (2012) Dose response between fish consumption and human milk DHA content among Filipino mothers in Cebu City, Philippines. *Acta Paediatrica* 101(10): e439-45. doi: 10.1111/j.1651-2227.2012.02777.x.

Quinn EA, Largado F, Power ML, Kuzawa CW. (2012) Predictors of breast milk macronutrient composition in Filipino mothers. *American Journal of Human Biology* 24(4):533-40. doi: 10.1002/ajhb.22266.

Kuzawa CW and **Quinn EA**. (2009) Developmental origins of adult function and health: evolutionary hypotheses. *Annual Review of Anthropology* 38: 131-147. Doi: 10.1146/annurev-anthro-091908-164350.

Kuzawa CW, **Quinn EA**, Adair LS (2007) Leptin in a lean population of Filipino adolescents. *American Journal of Physical Anthropology* 132(4): 642-9. doi: 10.1002/ajpa.20554.

Turner BL, Edwards JL, **Quinn EA**, Kingston JD, Van Gerven DP. (2007) Age-related variation in isotopic indicators of diet at medieval Kulubnarti, Sudanese Nubia. *International Journal of Osteoarchaeology*, 17(1): 1-25. doi: 10.1002/oa.862.

BOOKS

Tomori, C, Palmquist AL, and **Quinn, EA** (Eds). (2018). *Rethinking Breastfeeding: New Conversations Across Anthropology*.

Tomori, C, Palmquist AL, and **Quinn, EA**. (2018). Introduction: Towards Multidisciplinary Anthropologies of Breastfeeding; In *Rethinking Breastfeeding: New Conversations Across Anthropology*; Tomori, Palmquist, Quinn (Eds).

Quinn, EA (2018). The importance of medium chain fatty acids for infant development: an evolutionary perspective. In *Rethinking Breastfeeding: New Conversations Across Anthropology*; Tomori, Palmquist, Quinn (Eds).

Quinn, EA. (2016). Infancy by design: Maternal metabolism, hormonal signals, and the active management of infant growth by human milk. In: Trevathan W and Rosenberg K, eds. *Costly but Cute: How helpless infants made us human*. University of New Mexico Press.

CONFERENCE PAPERS & PUBLISHED ABSTRACTS

Quinn EA, Geoff Childs (2016). Growing up with altitude: patterns of stunting and wasting in Tibetan children living in rural and urban communities in Nepal. *American Journal of Physical Anthropology* 159 (S62): 259.

Quinn EA, Geoff Childs (2016). Maternal adiposity is not associated with several milk bioactives in high altitude living Tibetans. *American Journal of Human Biology* 28(2):292.

Quinn EA (2016) Anthropological breast milk research among traditional pastoralists and agriculturalists in rural and urban areas in the Philippines and Nepal. International Society for Research into Human Milk and Lactation biyearly meeting, March 3-7, 2016.

Quinn EA (2015) Continued costs: postnatal maternal costs associated with breastfeeding and potential maternal strategies. *American Journal of Physical Anthropology* 156 (S60) :259.

Quinn EA. (2015) Looking for adiponectin in all the wrong places: a case study in human milk and normal biological variation. *American Journal of Human Biology* 27(2):284.

Quinn EA and Childs G. (2014) Milk with altitude: macronutrient composition of milk from high altitude adapted Tibetans. *American Journal of Physical Anthropology* 153(S58): 213-14.

Quinn EA and Childs G. (2014) I breastfed therefore I am: early feeding practices among ethnic Tibetans. *American Journal of Human Biology* 27(2):260.

Quinn EA and Kuzawa CW. (2013) Maternal predictors of human milk leptin levels and associations with infant size. *American Journal of Human Biology* 25(2): 250.

Quinn EA. (2013) Associations between metabolic hormones and macronutrients in human milk. *American Journal of Physical Anthropology* 150 (S56): 214.

PUBLIC TALKS

“The Milk of Human Kind(ness): investigations into global variation in milk composition and how milk adapts to ecological and environmental pressures.” Public lecture, Washington University Woman’s Club. October 26, 2018.

“Milk with Altitude: At the Intersection of Biology and Culture in the Himalayas”, with Geoff Childs. Science on Tap, St. Louis. Jan 31, 2018.

“Milk with Altitude: Investigations into Human Milk and High Growth in High Altitude Tibetans.” SWAG Conferences. “*Back (and Forward) to the Future: Introducing Revolutionary Insights into Breastmilk and Breastsleeping Biology, Culture and Behavior*”. November 3-4 2017

“Got (pumped) milk? : An exploration of pumping as part of breastfeeding practices”. SWAG Conferences. “*Back (and Forward) to the Future: Introducing Revolutionary Insights into Breastmilk and Breastsleeping Biology, Culture and Behavior*”. November 3-4 2017

“Milk talks: short and long term programming by human milk”. North Carolina Dieticians Association, Aug 13 2016,

“Measuring milk on the roof of the world”. Shree Magdril Dhrvip School, Kathmandu Nepal. Jun 2, 2016.

“Milk with Altitude: Human milk composition and adaptation to high altitude in a sample of Tibetans living in Nubri, Nepal”. University of Illinois, Champaign-Urbana Anthropology Colloquium Feb 4, 2016.

“FAR Out Milk: Flexible Adaptive. Responses in infant biology and milk signaling”. Healthy People 2.0 Colloquium at the University of Tennessee Knoxville. September 10, 2015.

“Early and long term programming implications of human milk”, presented to the St. Louis Lactation Consultants Association for continuing medical education.

“The role of human milk in child flourishing”, presented to Attachment Parenting International at the University of Notre Dame.

SERVICE – Washington University in St. Louis

2016-present	Director of Undergraduate Studies, Department of Anthropology
2017-present	Global Health Center Steering Committee
2015-present	Nutrition, Obesity Research Core Faculty
2015-present	Microbiome Institute (development plan), School of Public Health
2015-present	Faculty Mentor, Summer Research Program in Public Health
2013-present	Lein Merit Scholarship Committee

SERVICE – National and Professional

2014-16	Human Biology Association, Nominations Committee (CHAIR 2015-16)
2014-15	Chair, Local Arrangements Committee for American Association of Physical Anthropologists

2014-15 Chair, Local Arrangements Committee for the Human Biology Association
Ongoing Reviewer for: American Journal of Human Biology, PLoSOne, Journal of Human Lactation, American Journal of Physical Anthropology, Maternal and Child Nutrition, American Journal of Primatology, International Journal of Obesity, Leakey Foundation, BMJ Pediatrics, Journal of Child Psychology, Yearbook of Physical Anthropology, Pediatric Obesity, PNAS, Annals of Human Biology.

OUTREACH

I also maintain an active research blog, *anthropolactology.com*, with each post (1-2/month) The blog is focused on translating breastfeeding and human milk science for the public and increasing information access.