

Curriculum Vitae

THERESA E. GILDNER

Department of Anthropology, Washington University in St. Louis
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PROFESSIONAL APPOINTMENTS

2021-Present

Assistant Professor

Department of Anthropology, Washington University in St. Louis

2018-2020

McKenna Postdoctoral Fellow

Department of Anthropology, Dartmouth College (with Dr. Zaneta Thayer)

EDUCATION

2018 Ph.D., Biological Anthropology, University of Oregon

Dissertation Title: *Life history tradeoffs between testosterone and immune function among Shuar forager-horticulturalists of Amazonian Ecuador*

Advisor: Dr. J. Josh Snodgrass

2013 M.S., Biological Anthropology, University of Oregon

Master's Thesis Title: *Effect of sleep quality and duration on cognitive function among older adults from five middle income countries: Results from the Study on global AGEing and adult health (SAGE).*

Advisor: Dr. J. Josh Snodgrass

2011 B.S., Biology and Anthropology, University of Notre Dame

Cum Laude, Anthropology Departmental Honors

FELLOWSHIPS AND HONORS

2025 Human Biology Association Michael A. Little Early Career Award

2017-2018 University of Oregon Dissertation Research Fellowship

2012 NSF-GRFP Honorable Mention

2011-2017 Graduate Teaching Fellowship, University of Oregon

2010 NSF-REU Fellow in Biocultural Anthropology, University of Notre Dame

GRANTS AND AWARDS

External grants in review

NSF, Senior Award, "Environmental exposures, gastrointestinal infections, and intestinal dysfunction: Testing the Hygiene and Old Friends Hypotheses in low-resource U.S. communities" (my role: PI); May 2026 – April 2029 (\$516,501).

NIH R01, “Linking Soil-Derived Environmental Metals and Parasitic Infection to Chronic Disease Pathways in Pediatric Populations” (my role: Co-I); April 2026 – March 2031 (\$3,737,850; WashU subaward total: \$714,928).

Mitsubishi Corporation Foundation for the Americas, “Upstream Solutions: Environmental Justice in Addressing Flooding-Related Health and Economic Inequities” (my role: PI); January 2026 – December 2028 (\$796,500).

NSF, Doctoral Dissertation Research: The Role of Gut Microbiota in Estrogen Metabolism and Its Implications for Life History Trade-Offs and Disease Risk (\$38,259; study PI).

Wenner-Gren Foundation, Doctoral Dissertation Research: The Role of Gut Microbiota in Estrogen Metabolism and Its Implications for Human Life History Trade-Offs and Disease Risk (\$25,000; study PI).

NIH R25, Summer Research Education Experience Program, “Air Quality and Health Science Summer Research Program” (my role: Program Faculty member).

External grants received

- 2025** National Science Foundation, Growing Convergent Research, “GCR: A Convergent Framework for Predicting Flood-Driven Health Risks in Vulnerable U.S. Communities” (my role: PI); Sept 2025 – Aug 2030 (\$1,199,999 in Phase 1; \$2,400,000 in Phase 2)
- 2025** National Science Foundation Doctoral Dissertation Research: Longitudinal investigation of childhood bone growth in relation to physical activity, food security, and immune function in low-resource US regions (\$30,062; study PI)
- 2023** National Science Foundation Postdoctoral Fellowship (SPRF): Structural Determinants of Exposure and the Gut Microbiome (\$130,000; study co-PI/mentor)
- 2019** Wenner-Gren Engaged Anthropology Grant (\$4,942; study PI)
Not used due to COVID-19 pandemic.
- 2017** National Science Foundation Doctoral Dissertation Improvement Grant (\$11,464; study co-PI)
- 2016** Wenner-Gren Foundation Dissertation Fieldwork Grant (\$20,000; study co-PI)
- 2015** Oregon Sasakawa Young Leaders Fellowship Fund (SYLFF) Graduate Fellowships for International Research (\$12,000; study PI)
- 2015** The Lewis and Clark Fund for Exploration and Field Research (\$5,000; study PI)

Internal grants received

- 2023** Transdisciplinary Institute in Applied Data Sciences (TRIADS), Seed Grant Program, “Legacy of Neglect: Linking flood hazards, pathogen exposure, and health inequities in Cahokia Heights, IL” (\$90,827; study co-PI).
- 2023** ICTS Just-In-Time Core Usage Funding Program, “ELISA Validation of T3, T4, and TSH from Dried Blood Spots” (\$4,585; study co-PI)

- 2022** SPEED in Research Program, “Parasitic Disease and Intestinal Inflammation in Low-Resource U.S. Regions: Infection Patterns and Community-Based Outreach Strategies” (\$49,999; study PI).
- 2019** Dartmouth College Leslie Center working group funding (\$1,500; study PI)
- 2019** Dartmouth College Dickey Center working group funding (\$1,000; study PI)
- 2019** Dartmouth College Rockefeller Center working group funding (\$1,000; study PI)
- 2019** Dartmouth College Neukom Institute working group funding (\$1,000; study PI)
- 2018** Dartmouth College Claire Garber Goodman Fund Research Award (\$10,086; study PI)
- 2015** Center for Latino/a and Latin American Studies Graduate Student Summer Research Award (\$1,000; study PI)

PEER-REVIEWED JOURNAL PUBLICATIONS

2025

Gildner TE, Liebert MA, Schrock JM, Urlacher SS, Amir D, Harrington CJ, Madimenos FC, Cepon-Robins TJ, Bribiescas RG, Sugiyama LS, Snodgrass JJ. Salivary testosterone, age, and adiposity associations among Shuar males in Amazonian Ecuador challenge assumptions of “normal” testosterone patterns. *American Journal of Human Biology*, 37(11): e70166 (21 pages). <https://doi.org/10.1002/ajhb.70166>

Selected as Editor's Choice for the November 2025 issue of the American Journal of Human Biology.

Langer-Gould AM, Cepon-Robins TJ, Benn Torres J, Yeh EA, **Gildner TE**. Embodiment of Structural Racism and Multiple Sclerosis Risk and Outcomes in the USA. *Nature Reviews Neurology*, 27:1-3 (13 pages) <https://doi.org/10.1038/s41582-025-01096-5>

Cepon-Robins TJ, **Gildner TE**, Urlacher SS, Liebert MA, Madimenos FC, Bribiescas RG, Eick G, Harrington C, Sugiyama LS, Snodgrass JJ. Soil-transmitted helminths and the intricacies of immunoregulation: Evidence from Amazonian Ecuador for the importance of considering species-specific effects within the Old Friends Hypothesis. *American Journal of Human Biology*, 37(6): e70076 (17 pages) DOI: 10.1002/ajhb.70076

Williams P, Campbell S, **Gildner TE**, Geisel-Zamora S, Thayer ZM. Evaluating stress management approaches, types of social support and postpartum mental health during the COVID-19 pandemic: a cross-sectional study based in the United States. *BMJ Public Health*, 3(1) (9 pages). <https://doi.org/10.1136/bmjph-2024-001017>

Liebert MA, Urlacher SS, Madimenos FC, **Gildner TE**, Cepon-Robins TJ, Harrington CJ, Bribiescas RG, Sugiyama LS, Snodgrass JJ. Variation in diurnal cortisol patterns among the Indigenous Shuar of Amazonian Ecuador. *American Journal of Human Biology*, e24056 (32 pages) DOI: 10.1002/ajhb.24056

Bribiescas RG, Sancilio A, Amir D, Cepon-Robins TJ, **Gildner TE**, Liebert MA, Madimenos FC, Urlacher SS, Snodgrass JJ, Sugiyama LS. Testosterone, 8-Oxo-2'-deoxyguanosine

(8-OHdG) and Cu/Zn Superoxide Dismutase (SOD) in adult Shuar males of Amazonian Ecuador: A test for evidence of trade-offs between reproductive effort and oxidative stress. *American Journal of Human Biology*, 37(4), e70042 (14 pages) <https://doi.org/10.1002/ajhb.70042>

Lee CC, AA, Tallman PS, Collins SM, **Gildner TE**, Cepon-Robins TJ, Lee NR, McDade TW. *Helicobacter pylori* in the Philippines: Social and ecological determinants of seropositivity and lack of association with systemic inflammation. In press: *American Journal of Human Biology*, 37(5):e70069 (10 pages) <https://doi.org/10.1002/ajhb.70069>

2024

Gildner TE, Urlacher SS, Nemeth KL, Beauregard JA, Pfaff-Nash M, Zhang A, Waimon S, Cepon-Robins TJ. Dual burden of infectious and chronic disease in low-resource U.S. communities: Examining relationships between infection, adiposity, and inflammation (commissioned article). *Annals of Human Biology* 51(1):2368851 (12 pages) DOI: 10.1080/03014460.2024.2368851

Featured in: WUSTL The Source Newsroom.

Thayer ZM, Sansonov A, Farewell CV, **Gildner TE**. Evolutionary mismatch in emotional support during childbirth: Lessons from the COVID-19 pandemic. *Evolution, Medicine, and Public Health* 12(1):277-86 (10 pages). <https://doi.org/10.1093/emph/coae033>

Thayer ZM, Nemeth KL, Beauregard JA, **Gildner TE**. Offspring hair cortisol levels are associated with maternal prenatal depression. *American Journal of Human Biology* p.e24127 (5 pages) <https://doi.org/10.1002/ajhb.24127>

Featured in: WUSTL The Source Newsroom, WUSTL Ampersand.

Tallman PS, Miller AA, Brandley SR, Lee CC, Cepon-Robins TJ, **Gildner TE**, Collins SM. *Helicobacter pylori* exposure among the Awajún of the Peruvian Amazon: Prevalence and environmental, social, and biological associations. *American Journal of Biological Anthropology* (11 pages) DOI: 10.1002/ajpa.24941

2023

Gildner TE, Cepon-Robins TJ. Rural embodiment and community health: An anthropological case study on biocultural determinants of tropical disease infection and immune system development in the United States. *Current Tropical Medicine Reports* (invited article) 10 (14 pages) <https://doi.org/10.1007/s40475-023-00282-z>

Cepon-Robins TJ, Mallott EK, Recca IC, **Gildner TE**. Evidence and effects of neglected parasitic infections among a small preliminary sample of children from rural Mississippi. *American Journal of Human Biology*. (4 pages, short report). DOI: 10.1002/ajhb.23889

Featured in: WUSTL The Source Newsroom, WUSTL Ampersand.

Thayer ZM, Geisel-Zamora SA, Uwizeye G, **Gildner TE**. Childbirth fear in the USA during the COVID-19 pandemic: key predictors and associated birth outcomes. *Evolution, Medicine, and Public Health*; doi.org/10.1093/emph/eoad006.

Featured in: The New York Times.

Wiley KS, Fox M, **Gildner TE**, Thayer ZM. A longitudinal study of how women's prenatal and postnatal stress related to the COVID-19 pandemic predicts their infants' social-emotional development. *Child Development*; doi.org/10.1111/cdev.13934.

2022

Gildner TE, Cepon-Robins TJ, Urlacher SS. The energetic cost of soil-transmitted helminth infection: Toward an integrative understanding. *Trends in Parasitology*. (13 pages) <https://doi.org/10.1016/j.pt.2022.04.007>

Featured in: Herminthology, Women and Girls in Parasitology *Trends in Parasitology* special issue

Cepon-Robins TJ, Mallott EK, Recca IC, **Gildner TE**. Exploring biocultural determinants of intestinal health: Do resource access and parasite exposure contribute to intestinal inflammation among a small preliminary sample of children in rural Mississippi? *American Journal of Biological Anthropology*; invited special issue "Biocultural perspectives on disease and pandemics: past, present, and future". (14 pages) DOI: 10.1002/ajpa.24574

Featured in: Newsweek.

Thayer ZM, **Gildner TE**. Reported information sharing and satisfaction with maternity care providers during the COVID-19 pandemic: Associations with socioeconomic status and shifts to telehealth. *Birth*. (11 pages) DOI: 10.1111/birt.12660

Featured in: The Uplift Lab.

Madimenos FC, **Gildner TE**, Eick G, Sugiyama LS, Snodgrass JJ. Bringing the lab bench to the field: Point-of-care testing for enhancing health research and stakeholder engagement in rural/remote, Indigenous, and resource-limited contexts. *American Journal of Human Biology*, e23808. DOI: 10.1002/ajhb.23808

Iannotti L, Gyimah E, Reid M, Chapnick M, Cartmill M, Lutter C, Hilton C, **Gildner TE**, Quinn, EA. Child dietary patterns in hominin evolution: A systematic review. *Evolution, Medicine, and Public Health*. (20 pages) DOI: 10.1093/emph/eoac027

2021

Gildner TE, Eick GN, Schneider AL, Madimenos FC, Snodgrass JJ. After Theranos: Using point-of-care testing to advance measures of health biomarkers in human biology research. *American Journal of Human Biology*. (28 pages) doi: 10.1002/ajhb.23689.

One of the top 10 most-cited papers published in the American Journal of Human Biology (as of April 2024).

Gildner TE, Casana J. Intestinal parasitic infection within a wealthy nineteenth century household from rural New England: Evidence from Dartmouth College, New Hampshire. *Journal of Archaeological Science: Reports*, 37, 102990. (10 pages) <https://doi.org/10.1016/j.jasrep.2021.102990>

Featured in: WUSTL The Source Newsroom, WUSTL Ampersand, Dartmouth News Today, Valley News, KCTV5, Futurity.

Gildner TE, Thayer ZM. Maternity Care Preferences for Future Pregnancies Among United States Childbearers: The Impacts of COVID-19. (Invited special edition article collection. *Frontiers in Sociology*, 6, 17. (11 pages) doi: 10.3389/fsoc.2021.611407

Gildner TE, Uwizeye G, Milner RL, Alston GC, Thayer ZM. Associations between postpartum depression and assistance with household tasks and childcare during the COVID-19 pandemic: evidence from American mothers. *BMC Pregnancy and Childbirth*, 21, 828. (14 pages) doi: 10.1186/s12884-021-04300-8

Cepon-Robins TJ, Blackwell AD, **Gildner TE**, Liebert MA, Urlacher SS, Madimenos FC, Eick GN, Snodgrass JJ, Sugiyama LS. Pathogen disgust sensitivity protects against infection in a high pathogen environment. *Proceedings of the National Academy of Sciences*, 118(8), e2018552118. (9 pages) <https://doi.org/10.1073/pnas.2018552118>

Featured in: Science Magazine, The Seattle Times, WUSTL The Source Newsroom, National Geographic, the Sausage of Science Podcast.

DeLouize AM, Liebert MA, Madimenos FC, Urlacher SS, Schrock JM, Cepon-Robins TJ, **Gildner TE**, Blackwell AD, Harrington CJ, Amir D, Bribiescas RG, Snodgrass JJ, Sugiyama LS. Low prevalence of anemia among Shuar communities of Amazonian Ecuador. *American Journal of Human Biology*, e23590. (7 pages) doi: 10.1002/ajhb.23590

Sherin M, **Gildner TE**, Thayer ZM. The Association between COVID-19-Related Changes to duration of working during pregnancy and Prenatal Depression. *Frontiers in Global Women's Health*, 2, 639429. (9 pages) <https://doi.org/10.3389/fgwh.2021.639429>

Sarma MS, **Gildner TE**, Howells ME, Lew-Levy S, Trumble BC, Fuentes A. There and back again: The biosocial dynamics of returning from the field. *American Journal of Human Biology*, e23673. (13 pages) <https://doi.org/10.1002/ajhb.23673>

Ocobock C, Owens C, Holdsworth E, **Gildner TE**, Lynn C. #Hackademics: Hacks Toward Success in Academia. *American Journal of Human Biology*, e23653. (5 pages) <http://doi.org/10.1002/ajhb.23653>

2020

Gildner TE, Cepon-Robins TJ, Liebert MA, Urlacher SS, Schrock JM, Harrington CJ, Snodgrass JJ, Sugiyama LS. Market integration and soil-transmitted helminth infection among the Shuar of Amazonian Ecuador. *PLOS One*, 15(7), e0236924. (24 pages) <https://doi.org/10.1371/journal.pone.0236924>

Featured in: The Sausage of Science Podcast, BORGEN Magazine.

Gildner TE, Levy SB. Intersecting vulnerabilities in human biology: Synergistic interactions between climate change and increasing obesity rates. *American Journal of Human Biology*, e23460. (14 pages) <https://doi.org/10.1002/ajhb.23460>

Top cited article in the American Journal of Human Biology (Jan 2020 – Dec 2021).

Gildner TE, Laugier EJ, Thayer ZM. Exercise routine change is associated with prenatal depression scores during the COVID-19 pandemic among pregnant women across the United States. *PLOS One*, 15(12). (15 pages) <https://doi.org/10.1371/journal.pone.0243188>

Featured in: U.S. News & World Report, Chicago Tribune, HealthDay, Psychiatry & Behavioral Health Learning Network.

Gildner TE, Thayer ZM. Maternal and child health during the COVID-19 pandemic: Contributions in the field of human biology. *American Journal of Human Biology*, e23494. (6 pages) <https://doi.org/10.1002/ajhb.23494>

Gildner TE, Thayer ZM. Birth plan alterations among American women in response to COVID-19. (3 pages) *Health Expectations*. doi.org/10.1111/hex.13077

Gildner TE. Links between metabolic syndrome and the microbiome. *Evolution, Medicine, and Public Health*, eoaa007. (2 pages) doi.org/10.1093/emph/eoaa007

Gildner TE. Reproductive hormone measurement from minimally invasive sample types: Methodological considerations and anthropological importance. *American Journal of Human Biology*, 33(1) (invited special edition article collection). (24 pages) <https://doi.org/10.1002/ajhb.23535>

Thayer ZM, **Gildner TE**. COVID-19-related financial stress associated with higher likelihood of depression among pregnant women living in the United States. *American Journal of Human Biology*, e23508. (5 pages) doi.org/10.1002/ajhb.23508

Cepon-Robins TJ, **Gildner TE**. Old Friends Meet A New Foe – A potential role for immune-priming parasites in mitigating COVID-19 morbidity and mortality. *Evolution, Medicine, and Public Health* 2020(1): 234–248. <https://doi.org/10.1093/emph/eoaa037>

Featured in: UCCS Communique

2019

Cepon-Robins TJ, **Gildner TE**, Schrock J, Eick G, Bedbury A, Liebert MA, Urlacher SS, Madimenos FC, Harrington CJ, Amir D, Bribiescas RG, Sugiyama LS, Snodgrass JJ. Soil-transmitted helminth infection and intestinal inflammation among the Shuar of Amazonian Ecuador. *American Journal of Physical Anthropology* 170(1): 65-74. doi.org/10.1002/ajpa.23897

Gildner TE, Salinas-Rodríguez A, Manrique-Espinoza B, Moreno-Tamayo K, Kowal P. Does poor sleep impair cognition during aging? Longitudinal associations between sleep duration and cognitive performance in older Mexican adults. *Geriatrics and Gerontology International* 83:161-168. doi.org/10.1016/j.archger.2019.04.014

2018

Gildner TE, Ng N, Wu F, Guo Y, Snodgrass JJ, Kowal P. Ideal cardiovascular health and cognitive test performance: testing a modified index of Life's Simple 7 among older Chinese adults. *Frontiers in Public Health* 6:352. (8 pages) doi.org/10.3389/fpubh.2018.00352

Gildner TE, Snodgrass JJ, Evans C, Kowal P. Associations between physical function and subjective well-being in older adults from low- and middle-income countries: Results from the Study on global AGEing and adult health (SAGE). *Journal of Aging and Physical Activity* (2018):1-31. doi.org/10.1123/japa.2016-0359

Stagaman K, Cepon-Robins TJ, Liebert MA, **Gildner TE**, Urlacher SS, Madimenos FC, Guillenmin K, Snodgrass JJ, Sugiyama LS, Bohannan BJM. Market integration predicts human gut microbiome attributes across a gradient of economic development. *mSystems* 3(1):e00122-17. (10 pages) doi.org/10.1128/msystems.00122-17

Urlacher SS, Ellison PT, Sugiyama LS, Pontzer H, Eick G, Liebert MA, Cepon-Robins TJ, **Gildner TE**, and Snodgrass JJ. Tradeoffs between immune function and childhood growth among Amazonian forager-horticulturalists. *Proceedings of the National Academy of Sciences*, 115(17):e3914-3921. (8 pages) doi.org/10.1530/ey.15.13.23
Featured in: ScienceDaily, The Scientist, Technology Networks

2017

Arokiasamy P, Kowal P, Capistrant BD, **Gildner TE**, Thiele E, Biritwum RB, et al. Chronic Noncommunicable Diseases in 6 Low-and Middle-Income Countries: Findings from Wave 1 of the World Health Organization's Study on Global Ageing and Adult Health (SAGE). *American Journal of Epidemiology* 185(6):414-428. doi.org/10.1093/aje/kww125

2016

Gildner TE, Cepon-Robins TJ, Liebert MA, Urlacher SS, Snodgrass JJ, Madimenos FC, Sugiyama LS. Regional variation in *Ascaris lumbricoides* and *Trichuris trichiura* infections by age cohort and sex: effects of market integration among the indigenous

Shuar of Amazonian Ecuador. *Journal of Physiological Anthropology* 35(1):28-39.
dx.doi.org/10.1186/s40101-016-0118-2

Gildner TE, Liebert MA, Capistrant BD, D'Este C, Snodgrass JJ, Kowal P. Perceived Income Adequacy and Well-Being among Older Adults in Six Low- and Middle-Income Countries. *Journal of Gerontology: Social Sciences* (Nov):516-525.
doi.org/10.1093/geronb/gbw145

Urlacher SS, Liebert MA, Snodgrass JJ, Blackwell AD, Cepon-Robins TJ, **Gildner TE**, Madimenos FC, Amir D, Bribiescas RG, Sugiyama LS. Heterogeneous effects of market integration on sub-adult body size and nutritional status among the Shuar of Amazonian Ecuador. *Annals of Human Biology* 43(4):316-329.
doi.org/10.1080/03014460.2016.119221

Urlacher SS, Snodgrass JJ, Liebert MA, Cepon-Robins TJ, **Gildner TE**, Sugiyama LS. Brief Communication: The Application of Knemometry to Measure Childhood Short-Term Growth among the Indigenous Shuar of Ecuador. *American Journal of Physical Anthropology* 160:353–357. doi.org/10.1002/ajpa.22953

Urlacher SS, Blackwell AD, Liebert MA, Madimenos FC, Cepon-Robins TJ, **Gildner TE**, Snodgrass JJ, Pozo J, Tiwia W, Sugiyama LS. Physical growth of the Shuar: Height, Weight, and BMI references for an indigenous Amazonian population. *American Journal of Human Biology* 28(1):16-30. doi.org/10.1002/ajhb.22747

2015

Gildner TE, Barrett TM, Liebert MA, Kowal P, Snodgrass JJ. Does BMI generated by self-reported height and weight measure up in older adults from middle-income countries? Results from the study on global AGEing and adult health (SAGE). *BMC Obesity*, 2:44-57. doi.org/10.1186/s40608-015-0074-0

2014

Gildner TE, Liebert MA, Kowal P, Chatterji S, Snodgrass JJ. Sleep duration, sleep quality, and obesity risk among older adults from six middle-income countries: Findings from the Study on global AGEing and adult health (SAGE). *American Journal of Human Biology* 26(6):803-812. doi.org/10.1002/ajhb.226

Gildner TE, Liebert MA, Kowal P, Chatterji S, Snodgrass JJ. Associations between Sleep Duration, Sleep Quality, and Cognitive Test Performance among Older Adults from Six Middle Income Countries: Results from the Study on Global Ageing and Adult Health (SAGE). *Journal of Clinical Sleep Medicine* 10(6):613-621. doi.org/10.5664/jcsm.3782
Featured in: NPR KLCC, Huffington Post, KPNW AM News Radio 1120, Amtrak OnTrak, Healio.com/Psychiatry

Cepon TJ, **Gildner TE**, Liebert MA, Colehour AM, Urlacher SS, Snodgrass JJ, Madimenos FC, Sugiyama LS. Soil-transmitted helminth prevalence and infection intensity among

geographically and economically distinct Shuar communities in the Ecuadorian Amazon. *Journal of Parasitology* 100(5):598-607. dx.doi.org/10.1645/13-383.1

Colehour AM, Meadow JA, Liebert MA, Cepon-Robins TJ, **Gildner TE**, Urlacher SS, Bohannan BJM, Snodgrass JJ, Sugiyama LS. Local domestication of microbes via cassava beer fermentation. *PeerJ* 2:e479. (19 pages) doi.org/10.7717/peerj.479

Papers in Review

Gildner TE, Blackwell AD, Liebert MA, Urlacher SS, Cepon-Robins TJ, Schrock JM, Bribiescas RG, Madimenos FC, Snodgrass JJ, Sugiyama LS. Parasite infection patterns are related to testosterone levels among Amazonian Shuar: Immunocompetence Handicap Hypothesis implications. *Target journal: PNAS*.

Nemeth KL, Cepon-Robins TJ, **Gildner TE**. Utility of wrist-worn accelerometry for measuring childhood physical activity in low-resource U.S. communities and the need for reporting uniformity. *Target journal: American Journal of Human Biology*.

Urlacher SS, **Gildner TE**, Sugiyama LS. The Shuar Health and Life History Project: Overview at twenty years and introduction to the special issue. *Target journal: American Journal of Human Biology* (invited article for special issue).

Hartnett K, Wang M, **Gildner TE**, Thayer ZM. Reenvisioning U.S. Maternity Care: Leveraging Birth Centers to Improve Outcomes, Patient Experiences, and Costs. *Target journal: Birth* (invited commentary).

Manthey C, **Gildner TE**, Urlacher SS, Mallott EK, Chaney C, Zhang A, Waimon S, Nemeth KL, Beauregard JA, Shing A, Samsonov A, Pfaff-Nash M, Cepon-Robins TJ. Embodied Immunity: Place, Inequality, and Reproductive Outcomes in Two U.S. Communities. *Target journal: American Journal of Human Biology*.

Snodgrass JJ, Madimenos FC, Liebert MA, Urlacher SS, Cepon-Robins TJ, **Gildner TE**, Bribiescas RG, Sugiyama LS. Practical, political, and ethical challenges of initiating and maintaining a long-term human biology field research project: The Shuar Health and Life History Project. *Target journal: American Journal of Human Biology*.

Madimenos FC, Liebert MA, Cepon-Robins TJ, **Gildner TE**, Urlacher SS, Bribiescas RG, Blackwell AD, Snodgrass JJ, Sugiyama LS. Market Integration and Reproductive Transitions in Indigenous Shuar and Non-Indigenous Colonos in Amazonian Ecuador *Target journal: American Journal of Human Biology*.

BOOK CHAPTERS

2021

Thayer ZM, **Gildner TE**. Developmental Origins of Health and Disease: Evidence, Proposed Mechanisms, and Ideas for Future Applications. *Anthropology of Reproduction*, Routledge Publishing.

BOOK REVIEWS

2016

Gildner, TE. Book Review: *Global Aging: Comparative Perspectives on Aging and the Life Course* (by Suzanne R. Kunkel, J. Scott Brown, and Frank J. Whittington). *American Journal of Human Biology* 28(3):445.

ADDITIONAL PUBLICATIONS AND MEDIA ATTENTION (NOT LISTED ABOVE)

2025

KMOV4, “*Cahokia Heights residents hope for sewers to stop flooding lawns a year after city settlement*”. <https://www.firstalert4.com/2025/11/26/cahokia-heights-residents-hope-sewers-stop-flooding-lawns-year-after-city-settlement>

WUSTL The Ampersand, “*How WashU scientists are helping a Metro East town battle a public health crisis*”, <https://artsci.washu.edu/ampersand/how-washu-scientists-are-helping-metro-east-town-battle-public-health-crisis>

WUSTL The Ampersand, “*Multidisciplinary team secures \$3.6M grant to investigate health risks from flooding*”, <https://artsci.washu.edu/ampersand/multidisciplinary-team-secures-36m-grant-investigate-health-risks-flooding>

Boston Globe, “*Deep in the Delta, a town’s sewage system is making residents sick*”, <https://www.bostonglobe.com/2025/05/24/nation/shaw-mississippi-test-positive-parasitic-worms/>

The Guardian, “*Infrastructure neglect and poverty lead to parasites in the Mississippi Delta*”, <https://www.theguardian.com/us-news/2025/jan/01/mississippi-delta-water-parasites>

2024

NPR, Science Friday, “*How Aging Water Systems Are Pushing Sewage Into U.S. Homes*”. <https://www.sciencefriday.com/segments/sewage-stormwater-systems-infrastructure-policy/>

KMOV4, “*Ongoing Metro East study shows increased levels of inflammation for flood-prone residents*”. <https://www.firstalert4.com/2024/08/10/ongoing-metro-east-study-shows-increased-levels-inflammation-flood-prone-residents/>

Belleville News-Democrat, “*Ongoing independent health study in Cahokia Heights finds more ‘concerning’ results*”. <https://www.bnd.com/news/local/article290271074.html>

2023

WUSTL The Source, “*WashU Expert: Some parasites turn hosts into ‘zombies’*”. <https://source.wustl.edu/2023/10/washu-expert-some-parasites-turn-hosts-into-zombies/>

Gildner, TE. “Parasitic infections hit the health of low-income Black communities where states have neglected sewage systems”. The Conversation.

<https://theconversation.com/parasitic-infections-hit-the-health-of-low-income-black-communities-where-states-have-neglected-sewage-systems-205616>

Belleville News-Democrat, “Illinois health officials fail to help desperate residents as sewage floods their homes”. <https://www.bnd.com/news/local/article281094103.html>

Belleville News-Democrat, “Sewage in Cahokia Heights could be making residents sick. Study finds bacteria, parasites”. <https://www.bnd.com/news/local/article278008848.html>

KSDK5, “Parasites, bacteria infecting high rates of Cahokia Heights residents, study finds”. <https://www.ksdk.com/article/news/health/parasites-bacteria-infections-in-cahokia-heights-residents-study-finds/63-91984e6f-4016-4dec-9858-a2e36b6f3e82>

KMOV4, “Wash U study shows elevated levels of bacteria in Cahokia Heights; resident questions loom over sewage issues”. <https://www.kmov.com/2023/08/08/wash-u-study-shows-elevated-levels-bacteria-cahokia-heights-resident-questions-loom-over-sewage-issues/>

KMOV4, “EPA: Cahokia Heights drinking water is safe; additional grant money to become available”. <https://www.kmov.com/2023/08/12/epa-cahokia-heights-drinking-water-is-safe-additional-grant-money-become-available/>

KMOV4, “Illinois lawmaker requesting state, local health investigation into Cahokia Heights water issues in addition to federal investigation”. <https://www.firstalert4.com/2023/12/13/illinois-lawmaker-requesting-state-local-health-investigation-into-cahokia-heights-water-issues-addition-federal-investigation/>

Mashable, “Why the scary fungus in 'The Last of Us' won't cause an apocalyptic outbreak”. <https://mashable.com/article/the-last-of-us-fungus-could-it-infect-people>

2022

WUSTL Ampersand, “Something in the water”. <https://artsci.wustl.edu/ampersand/something-water>

Spotlight on Poverty and Opportunity, “Study Finds Intestinal Parasites in Mississippi Kids Linked to Poverty”, <https://spotlightonpoverty.org/spotlight-exclusives/study-finds-intestinal-parasites-in-mississippi-children-linked-to-poverty/>

RECENT PUBLISHED ABSTRACTS AND CONFERENCE PAPERS

2025

Gildner TE, Mallott EK, Chaney CB, Nemeth KL, Beauregard JA, Samsonov A, Masteller C, Cepon-Robins TJ, Nelson ND, Jackson K, Hill M, Moehrs Gardner K, Lyles Y. Joint perspectives from community residents and research team members: The need for

community-engaged work to address flooding-related environmental inequities in Cahokia Heights, IL. *American Journal of Human Biology* 37 (S1).

Nemeth KL, Cepon-Robins TJ, Beauregard JA, Chaney CB, Mallott EK, Samsonov A, **Gildner TE**. Rural Embodiment and Community Health (REACH) study: Measuring childhood physical activity using accelerometry in low-resource United States communities. *American Journal of Human Biology* 37 (S1).

Beauregard JA, Quinn EA, **Gildner TE**. Expanding anthropological methods: Detecting lymphocyte anergy using minimally-invasive techniques. *American Journal of Human Biology* 37 (S1).

Chaney CB, **Gildner TE**, Cepon-Robins TJ, Grathwohl K, Wang S, Ong J, Kwak L, Betts K, Beauregard JA, Nemeth KL, Waimon S, Zhang A, Shing AB, Kim L, Pfaff-Nash M, Samsonov A, Urlacher SS, Mallott EK. Elucidating the causal pathway linking social determinants of health to changes in the gut microbiome through inflammatory pathways in two low-resource U.S. communities. *American Journal of Human Biology* 37 (S1).

Manthey C, **Gildner TE**, Urlacher SS, Mallott EK, Chaney CB, Zhang A, Waimon S, Nemeth KL, Beauregard JA, Shing A, Samsonov A, Pfaff-Nash M, Cepon-Robins TJ. The Rural Embodiment and Community Health Project: Link Between Lifelong Immune Dysregulation and Pregnancy Loss. *American Journal of Biological Anthropology* 186 (S79).

Samsonov A, Beauregard JA, Nemeth KL, Chaney C, Ainsley J, Mukundan D, Hotter S, Mallott EK, Cepon-Robins TJ, **Gildner TE**, Urlacher SS. Ecological and social determinants of early life oxidative stress: Preliminary findings from a low-resource U.S. community. *American Journal of Human Biology* 37 (S1).

Pogue KL, Pfaff-Nash M, Liebert MA, Madimenos FC, Snodgrass JJ, **Gildner TE**, Cepon-Robins TJ, Blackwell AD, Bribiescas RG, Sugiyama LS, Urlacher SS. Application of machine learning models to evaluate the relationship between household diet patterns and child growth among the Indigenous Shuar of Ecuador. *American Journal of Human Biology* 37 (S1).

2024

Cepon-Robins, TJ; Mallott, EK; Manthey-Pierce, CJ; Nemeth, KL; Recca, IC; Samsonov, A; Shing, AB; Super, M; Thomas, JB; Waimon, S; Zhang, A; **Gildner, TE**. Rural Embodiment and Community Health (REACH) study: Disparities in gastrointestinal health and inflammation in older adults from three U.S. samples. *American Journal of Human Biology* 36 (S1).

Nemeth, Katherine L; Cepon-Robins, Tara J; Urlacher, Samuel S; Mallott, Elizabeth K; Thomas, Jade B; Waimon, Sophie; Recca, Isabella; Zhang, Angela; Pfaff-Nash, Marcela; Kim, Elizabeth Y; **Gildner, Theresa E**. Rural Embodiment and Community Health Study (REACH): Trade-offs between Immunoglobulin E levels and growth in a preliminary

sample of children in a low-resource rural Mississippi community. *American Journal of Human Biology* 36 (S1).

Thomas, Jade B.; Cepon-Robins, Tara J.; Urlacher, Samuel S.; Waimon, Sophie; Zhang, Angela; Mallott, Elizabeth K.; Nemeth, Katherine L.; Shing, Alexander B.; Chaney, Carlye; Samsonov, Anna; Grathwohl, Kiersten; Kim, Elizabeth Y.; Pfaff-Nash, Marcela; Ong, Jennifer; Wang, Shan; **Gildner, Theresa**. Rural Embodiment and Community Health (REACH) study: Associations between sex and Immunoglobulin E levels among two low-resource communities within the United States. *American Journal of Human Biology* 36 (S1).

Shing, Alexander B.; Cepon-Robins, Tara J.; Mallott, Elizabeth K.; Urlacher, Samuel S.; Thomas, Jade B.; Nemeth, Katherine L.; Waimon, Sophie; Zhang, Angela; Wang, Shan; Chaney, Carlye; Grathwohl, Kiersten; Ong, Jennifer; Betts, Kayla; Kwak, Leena; Pfaff-Nash, Marcela; Samsonov, Anna; Kim, Elizabeth Y.; **Gildner, Theresa E.** Rural embodiment and community health (REACH) study: Associations between behavioral and demographic factors, fecal calprotectin, and IgE in under-resourced U.S. communities. *American Journal of Human Biology* 36 (S1).

Waimon, Sophie Lynn; Cepon-Robins, Tara J.; Mallott, Elizabeth K.; Nemeth, Katherine L.; Thomas, Jade B.; Zhang, Angela; Shing, Alexander B.; Chaney, Carlye; Samsonov, Anna; Urlacher, Samuel S.; **Gildner, Theresa E.** Rural Embodiment and Community Health Study (REACH): Body composition association with pro-inflammatory markers in low-resource US communities. *American Journal of Human Biology* 36 (S1).

Tropeano, TJ; Rivera, A; Baitzel, S; **Gildner, TE**. Paleoparasitology of a 12th-century Andean Pastoral Settlement from a One Health perspective - pastoralism and the role of humans as vectors for spreading zoonotic parasite infections. *American Journal of Human Biology* 36 (S1).

Chaney, Carlye B; **Gildner, Theresa E**; Cepon-Robins, Tara J; Grathwohl, Kiersten; Wang, Shan; Ong, Jennifer; Kwak, Leena; Betts, Kayla; Thomas, Jade B; Nemeth, Katherine L; Waimon, Sophie; Zhang, Angela; Shing, Alexander B; Samsonov, Anna; Mallott, Elizabeth K. Embodiment of water infrastructure: Gut microbiome characteristics and flooding in two U.S. communities. *American Journal of Human Biology* 36 (S1).

Samsonov, A; **Gildner, TE**; Nemeth, KL; Thomas, JB; Waimon, S; Shing, AB; Chaney, C; Mallott, EK; Kim, EY; Pfaff Nash, M; Urlacher, SS; Cepon-Robins, TJ. Rural Embodiment and Community Health (REACH) Study: Social determinants of intestinal health among low-resource communities in the United States. *American Journal of Human Biology* 36 (S1).

Wang, Shan A.; **Gildner, Theresa E.**; Cepon-Robins, Tara J.; Chaney, Carlye; Grathwohl, Kiersten; Ong, Jennifer; Kwak, Leena; Betts, Kayla; Thomas, Jade B.; Nemeth, Katherine L.; Waimon, Sophie; Zhang, Angela; Samsonov, Anna; Shing, Alexander B.; Mallott, Elizabeth K. Rural Embodiment and Community Health Study (REACH):

Associations between Water Source and Gut Microbiome Diversity in a Low-Resource U.S. Community. *American Journal of Human Biology* 36 (S1).

Pfaff-Nash, Marcela; Pogue, Kate; Liebert, Melissa A; Sugiyama, Lawrence S; Madimenos, Felicia C; Cepon-Robins, Tara J; **Gildner, Theresa E**; Blackwell, Aaron D; Snodgrass, Josh J; Urlacher, Samuel S. Household dietary diversity trends over time and market integration among the Indigenous Shuar of Amazonian Ecuador. *American Journal of Human Biology* 36 (S1).

Cantrell, Hannah N.; Hallett, Eliza; Liebert, Melissa A.; Barrett, Tyler M.; Cepon Robins, Tara J.; **Gildner, Theresa E.**; Urlacher, Samuel S.; Madimenos, Felicia C.; Sugiyama, Lawrence S.; Snodgrass, James J. Examining multimorbidities of poor kidney function in the Amazonian Shuar of Ecuador. *American Journal of Human Biology* 36 (S1).

Getz, Madeleine; Liebert, Melissa; Madimenos, Felicia; Urlacher, Samuel; Schrock, Joshua; **Gildner, Theresa**; Harrington, Christopher; DeLouize, Alicia; Cepon-Robins, Tara; Blackwell, Aaron; Bribiescas, Richard; Amir, Dorsa; Snodgrass, Josh; Sugiyama, Lawrence. One healthy body size in a diverse world? Examining BMI's applicability, limitations, and legacies among the Shuar of Ecuador. *American Journal of Human Biology* 36 (S1).

2023

Gildner TE, Mallot EK, Zhang A, Waimon S, Thomas JB, Nemeth KL, Shing A, Cepon-Robins TJ. Rural Embodiment and Community Health (REACH) study: Testing associations between environmental exposures and intestinal health in low-resource U.S. communities. *American Journal of Biological Anthropology* 180 (S75).

Gildner TE, Mallot EK, Urlacher SS, Zhang A, Waimon S, Pfaff-Nash M, Nemeth KL, Thomas JB, Shing A, Cepon-Robins TJ. Rural Embodiment and Community Health (REACH) study: Associations between sociodemographic factors, health conditions, and Immunoglobulin E levels among low-resource communities within the United States. *American Journal of Human Biology* 35 (S1).

Cepon-Robins TJ, Urlacher SS, Zhang A, Waimon S, Pfaff-Nash M, Nemeth KL, Thomas JB, Shing A, **Gildner TE**. Rural Embodiment and Community Health (REACH) study: Helicobacter pylori infection prevalence and associated immune responses in adult participants from Mississippi and Southwestern Illinois. *American Journal of Human Biology* 35 (S1).

Zhang A, Cepon-Robins TJ, Mallot EK, Waimon S, Nemeth KL, Thomas JB, Shing A, **Gildner TE**. Rural Embodiment and Community Health (REACH) study: Comparison study of results from Point of Care testing devices and Enzyme-Linked Immunosorbent Assays detecting intestinal infections and inflammation among low-resource communities in the United States. *American Journal of Human Biology* 35 (S1).

Waimon S, Cepon-Robins TJ, Urlacher SS, Zhang A, Pfaff-Nash M, Nemeth KL, Thomas JB, Shing A, **Gildner TE**. Rural Embodiment and Community Health (REACH) Study: Testing differences in allergies and asthma between low-resource rural and urban communities in the United States. *American Journal of Human Biology* 35 (S1).

Thayer ZM, Farewell CV, **Gildner TE**. Latent class analysis of predictors and mental health outcomes associated with COVID-19 related disruptions to childbirth in the United States. *American Journal of Human Biology* 35 (S1).

Orinda BW, **Gildner TE**. Associations between perceptions of safety, patient autonomy, and mental health outcomes among postpartum parents. *American Journal of Human Biology* 35 (S1).

Liebert MA, Madimenos FC, Urlacher SS, **Gildner TE**, Cepon-Robins TJ, Snodgrass JJ, Sugiyama LS. How market integration gets under the skin: Cultural consonance models of lifestyle success and embodied stress among Indigenous Shuar youth. *American Journal of Human Biology* 35 (S1).

2022

Gildner TE, Manthey-Pierce CC, Weaver S, Zhang A, Deleger J, Cepon-Robins TJ. Point-of-care testing applications in the measurement of intestinal inflammation. *American Journal of Human Biology* 34 (S2).

Gildner TE, Thayer ZM. The impacts of exercise routine disruptions on postpartum depression risk during the COVID-19 pandemic among individuals living in the United States. *American Journal of Biological Anthropology* 177.

Cepon-Robins TJ, Mallot EK, Recca IC, **Gildner TE**. A critical evaluation of a point-of-care device for measuring intestinal inflammation in remote field settings. *American Journal of Biological Anthropology* 177.

Orinda BW, Thayer ZM, Uwizeye G, **Gildner TE**. Relationships between positive postpartum experiences, social support, and mental health during the COVID-19 pandemic. *American Journal of Human Biology* 34 (S2).

Cepon-Robins TJ, Mallott EK, Recca IC, **Gildner TE**. Rural Embodiment and Child Health (REACH) Study: Macroparasite infection prevalence and associated immune responses among a preliminary sample of children from rural Mississippi. *American Journal of Human Biology* 34 (S2).

Manthey-Pierce CC, Cepon-Robins TJ, Weaver S, Zhang A, Deleger J, Pirillo E, Valentin R, **Gildner TE**. Demographic correlates of intestinal inflammation among adults from St. Louis, MO and Colorado Springs, CO. *American Journal of Human Biology* 34 (S2).

Geisel-Zamora SA, **Gildner TE**, Thayer ZM. Social support promotes postpartum mental health among US-based participants during the COVID-19 pandemic. *American Journal of Human Biology* 34 (S2).

Sweetman CA, **Gildner TE**, Thayer ZM. Community and immunity: maternal dilemmas in balancing child safety and isolation during the COVID-19 pandemic, findings from the CARE study. *American Journal of Human Biology* 34 (S2).

Iannotti L, Gyimah E, Reid M, Chapnick M, Cartmill MK, Lutter C, Hilton C, **Gildner TE**, Quinn EA. Child dietary patterns in hominin evolution: a systematic review. *American Journal of Human Biology* 34 (S2).

2021

Gildner TE, Thayer ZM. The impacts of the COVID-19 pandemic on maternity care preferences for future pregnancies among women living in the United States. *American Journal of Physical Anthropology* 174 (S71): 29.

Gildner TE, Recca IC, Cepon-Robins TJ. Atopic conditions, IgE levels, and inflammation among children from rural Mississippi. *American Journal of Human Biology* 33 (S1): 17.

Cepon-Robins TJ, Recca IC, **Gildner TE**. A critical evaluation of a point-of-care device for measuring intestinal inflammation in remote field settings. *American Journal of Human Biology* 33 (S1): 8.

Sweetman CA, **Gildner TE**, Thayer ZM. Breastfeeding during breakout: Findings from the COVID-19 and Reproductive Effects (CARE) study. *American Journal of Human Biology* 33 (S1): 44.

Thayer ZM, Uwizeye G, Alston GC, Lu AC, Milner RL, **Gildner TE**. Fear of childbirth and birth outcomes during the COVID-19 pandemic among a sample of pregnant women in the US. *American Journal of Human Biology* 33 (S1): 45.

Urlacher SS, Sharma A, Gilbert JA, Pontzer H, Snodgrass JJ, **Gildner TE**, Madimenos FC, Liebert MA, Sugiyama LS, Dugas LR. The impact of market integration on school-age children's gut microbiota and metabolism: links to diet, pathogen exposure, and linear growth among the Amazonian Shuar. *American Journal of Human Biology* 33 (S1): 46.

Cepon-Robins TJ, **Gildner TE**, Liebert MA, Urlacher SS, Madimenos FC, Sugiyama LS, Snodgrass JJ. Soil-transmitted helminth infections are associated with lower levels of inflammatory cytokines among the Shuar of Amazonian Ecuador – Implications for COVID-19 outcomes in helminth endemic areas. *American Journal of Physical Anthropology* 174 (S71): 41.

RECENT CONFERENCE PRESENTATIONS (NOT LISTED ABOVE)

2024

Dorosin S, Dale J, Masteller C, Mallott EK, **Gildner TE**, Flynn E, Catalano J. Quantifying the relationship between soil lead levels and urban nuisance flooding in Cahokia Heights, IL. AGU24 Meeting.

Hartnett K, Wang M, **Gildner TE**, Thayer ZM. Re-envisioning U.S. Maternity Care: Why We Should Leverage Birth Centers to Improve Outcomes, Patient Experiences, and Costs. 44th Annual NNE CO-OP PCBRN Meeting.

2023

Masteller CC, Hosseiny H, Dale JE, Chandler H, Dorosin S, **Gildner TE**, Mallott EK, Constantine JA. A community-centered approach to urban flood monitoring and flood model development in Cahokia Heights, IL, American Geophysical Union, 11-15 December 2023, Oral.

Hartnett K, Wang M, **Gildner TE**, Thayer ZM. Increasing accessibility to birth centers in the U.S. can help reduce maternal mortality and healthcare costs. Children's Hospital at Dartmouth-Hitchcock conference.

Cantrell HN, Hallett E, Liebert MA, Barrett TM, Cepon Robins TJ, **Gildner TE**, Urlacher SS, Madimenos FC, Getz M, Sugiyama LS, Snodgrass JJ. Kidney Function and Inflammation Biomarkers in the Amazonian Indigenous Shuar of Ecuador. Global Station for Indigenous Studies and Cultural Diversity, Hokkaido University, virtual presentation.

2021

Gildner TE. Constructed niches and shared drivers of climate change and rising obesity rates. Talk given as part of the Human Niche Construction Theory: A Lens to Analyze Ongoing Climate Change session at the American Association for the Advancement of Science (AAAS) annual meeting, virtual presentation.

RESEARCH AND FIELD EXPERIENCE

2020-Present *Co-Principal Investigator*

The COVID-19 And Reproductive Effects (CARE) Study

This study assesses the ways that the COVID-19 pandemic affected maternal care and well-being among pregnant individuals living in the United States. Conducted through online convenience surveys, this project focuses in particular on how COVID-19 has altered birth plans and led to new birth-related concerns. Study results are used to develop educational material and resources. <https://sites.dartmouth.edu/care2020/>

2019-Present *Co-Principal Investigator*

Rural Embodiment and Community Health (REACH) Study

This project documents the prevalence of neglected tropical diseases and associated health outcomes among children in low-socioeconomic status regions of the United

States, as well as lifestyle factors that contribute to infection. This project is currently in the exploratory data collection phase, with future goals of becoming a longitudinal project investigating the effects of climate change and lifestyle on disease transmission.
<https://www.reachresearch.org/>

2016-2017 Research Assistant

Building the Methodological Toolkit in Biological Anthropology: Dried Blood Spot Methods Development for Addressing Key Evolutionary and Biocultural Questions

Principal Investigator: Dr. J. Josh Snodgrass

Coordinating student volunteers, recruiting study participants, and assisting in the collection and lab analysis of dried blood spot samples for various biological markers to help enhance the biological anthropology toolkit through the development of six new dried blood spot biomarkers.

2012-Present Senior Investigator

The Shuar Health and Life History Project (SHLHP), Morona-Santiago, Ecuador

Principal Investigators: Drs. J. Josh Snodgrass, Samuel Urlacher, Melissa Liebert, and Felicia Madimenos

Ongoing fieldwork in Ecuador collecting data on Shuar health, levels of parasite infection, anthropometry, blood and saliva samples for various biological markers (e.g. immune function and lipid levels), collecting genealogy information and household inventories as part of the Shuar Health and Life History Project.

<https://www.shuarproject.org/>

2012-2019 Researcher

Study on global AGEing and adult health (SAGE), World Health Organization

Project Manager: Dr. Paul Kowal

Assisting in data analysis and the publication of results for a longitudinal study of health and well-being among older adults in nationally representative samples in six countries (China, Ghana, India, Mexico, Russia, and South Africa).

<http://www.who.int/healthinfo/systems/sage/en/index.html>

TEACHING AND ADVISING

Courses Taught, Sole Instructor

Department of Anthropology, Washington University in St. Louis

Anthropology 3070: Human Variation (Fall 2025).

Anthropology 507: Human Biology Seminar, graduate level (Spring 2023).

Anthropology 3283: Introduction to Global Health (Spring 2022, Spring 2023).

Anthropology 4005: Evolutionary and Health Impacts of Human Parasite Infection (Fall 2022, Spring 2025).

Anthropology 4312: Environmental Interactions and Human Health (Fall 2021, Spring 2025).

Department of Anthropology, Dartmouth College

Anthropology 06: Introduction to Biological Anthropology (Spring 2020, remotely taught due to COVID-19 pandemic).

Anthropology 62: Health and Disease in Evolutionary Perspective (Spring 2019).

Department of Anthropology, University of Oregon

Anthropology 362: Human Biological Variation (Summer 2018, online course).

Anthropology 369: Human Growth and Development (Summer 2015).

Courses Taught, Graduate Teaching Fellow

Department of Anthropology, University of Oregon

Anthropology 165: Sexuality & Culture (Summer 2017). Instructor: A Montague.

Anthropology 173: Evolution of Human Sexuality (Winter 2012; Winter 2013; Winter 2015). Instructor: F White.

Anthropology 175: Evolutionary Medicine (Fall 2012). Instructor: JJ Snodgrass.

Anthropology 220: Introduction to Nutritional Anthropology (Spring 2016). Instructor: LR Ulibarri.

Anthropology 270: Introduction to Biological Anthropology (Fall 2011, Spring 2013).
Instructors: JJ Snodgrass, K Sterner.

Anthropology 310: Human Attraction and Mating Strategies (Spring 2012). Instructor: LS Sugiyama.

Anthropology 362: Human Biological Variation (Fall 2015). Instructor: LR Ulibarri.

Anthropology 369: Human Growth and Development (Fall 2014). Instructor: JJ Snodgrass.

Department of Biology, University of Oregon

Biology 212: Organisms (Winter 2016). Instructor: M Carrier.

Advising

Current Graduate Student Mentoring

PhD thesis chair: Katie Nemeth (WashU), Jade Beauregard (WashU)

PhD thesis committee: Stephania Jimenez Castro (WashU), Lukas Daniels-Day (WashU), Anna Samsonov (Baylor University)

Graduate student research assistants: Courtney Pierce (University of Montana)

Past Graduate Student Mentoring

PhD thesis committee: Alaina Schneider (WashU), Kristena Cooksey (WashU), Enrique Gomez (WashU)

Medical student research assistants: Whitney Simmons (Dartmouth College), Margaret Sherin (Dartmouth College), Daniela Orozco Rendon (Dartmouth College)

Current Undergraduate Student Mentoring

Undergraduate student research assistants: Regan Cannon (WashU), Doyoon Kim (WashU)

Senior honors thesis advisor: Kathleen Ko (WashU), Annalise Schuster (WashU)

Past Undergraduate Student Mentoring

Senior honors thesis advisor: Bel Orinda (WashU, McNair Scholar), Haley Powell (WashU)

Senior honors thesis reader: Britney Sun (WashU)

Independent studies advisor: EJ Abass (Dartmouth College)

Undergraduate honors thesis reader: William Olson (University of Oregon)

Undergraduate student research assistants: Victoria Christianson Galina (WashU), Sophie Waimon (WashU), Alex Shing (WashU), Tommy Tropeano (WashU), Angela Zhang (WashU), Samantha Weaver (WashU), Julie Deleger (WashU), Grace Alston (Dartmouth College), Amanda Lu (Dartmouth College), Rebecca Milner (Dartmouth College), Cecily Craighead (Dartmouth College), Brianna Miller (University of Colorado Colorado Springs), Sarah Riley (University of Colorado Colorado Springs), Romello Valentine (University of Colorado Colorado Springs), Emma Pirillo (University of Colorado Colorado Springs), Alexandria Bedbury (University of Oregon), Robin Brigham (University of Oregon)

RECENT INVITED PRESENTATIONS (including currently scheduled)

2025

WUSTL TRIADS Lightening Sparks in Data Symposium, invited speaker

Equity Legal Services Fall Environmental Conference, Roots in Resistance, invited panelist for session on academic-community research partnerships

WUSTL workshop on research support, invited panelist for discussion on working with research development office teams

WUSTL Center for the Environment, invited panelist for Academic Consortium for Climate, Environment, and Sustainability Solutions (ACCESS) faculty discussion

University of Missouri, Department of Anthropology Colloquia series

WUSTL TRIADS, invited speaker for Bridging Data Divides: Collaborating for Impact, panelist on community engaged research practices

WUSTL Center for the Environment, invited panelist for reunion weekend panel presentation and discussion on environmental health research

Gateway STEM high school, invited presentation on flooding and environmental justice

2024

Human Biology Association, Virtual Workshop Panelist (on conference poster presentations)

2023

WUSTL Environment Research Collaboration Series, invited speaker

Environmental Justice in STL Research Convening, invited speaker

Club EvMed (virtual talk series), Health Disparities in Evolutionary Medicine section

Duke University, Evolutionary Anthropology Topics Seminar (EATS) Colloquium

Pennsylvania State University, Population Research Institute, brown bag lecture series

WUSTL Health Communications Design Studio, “From the Classroom to the Community:

Translating Academics to Impact In, With, and For St. Louis”, invited panelist

WUSTL Center for Teaching and Learning, “AI for AIs: The Possibilities and Pitfalls of Artificial Intelligence in the Classroom”, invited panelist

WUSTL Planetary Health seminar event, Climate Change Program and InCEES

Baylor University, Urlacher Lab Colloquia, Department of Anthropology

Texas A&M University, Department of Anthropology

2022

WUSTL Faculty Spotlight, “Past and Present Parasite Infections in the United States”
Taking Back Our Community Town Hall, Health Risks and Community Impact invited panelist
GlobeMed at WashU, chapter presentation on grant writing
American Association of Biological Anthropologists, #Hackademics (Hacks for Succeeding in Academia) Webinar presentation
Human Biology Association, annual conference student reception table discussion leader
Texas A&M University, Department of Anthropology
Valdosta State University, Department of Sociology, Anthropology, and Criminal Justice

2021

Washington University in St. Louis, Global Health Center’s Global Health Week Panelist
Human Biology Association, Virtual Workshop Panelist (on academic job application process)
Human Behavior and Evolution Society (HBES), Virtual Roundtable Series on Indigenous health
Baylor University, Department of Anthropology, Evolutionary Medicine lecture
Washington University in St. Louis, Department of Anthropology, World Archaeology lecture
Washington University in St. Louis, Living Earth Collaborative seminar series
Washington University in St. Louis, MedX Public Health
Texas A&M University, Department of Anthropology
Dartmouth College, Geisel School of Medicine

2019

Harvard University, Lieberman Lab Colloquia, Department of Human Evolutionary Biology
Dartmouth College, Dartmouth Guarini School Academic Job Search Workshop Series

2018

Yale University, Brown Beer Lecture Series in Anthropology
University of Washington, Colloquia Series in Anthropology

LEADERSHIP, PANEL, WORKING GROUP, AND SERVICE POSITIONS

University Level

2024-Present: IRB committee representative, Anthropology Department
2022-2023: Subfield representative, Anthropology Department Undergraduate Review Committee.
2022-Present: Faculty Advisor, *GlobeMed at WashU*.
2021-2023: Mentor, SLU McNair Scholars Program.
2021-2023: Mentor, WUSTL Global Health Mentoring Program.
2020-2022: Search Committee, digital transformation cluster hire in paleoanthropology.
2020-2021: President, Dartmouth College Postdoctoral Association.
2019-2020: Planning Committee, Dartmouth College Postdoctoral Research Day.
2019-2020: Organizing Committee, Dartmouth Anthropology Department Colloquium Series.
2018-2020: Community Development Committee Chair, Dartmouth College Postdoctoral Association.
2012-2014: Organizing Member, University of Oregon Association of Anthropology Graduate Students.

Professional Level

2025-Present: Ad Hoc Committee on Community Engaged Research, Human Biology Association.

2025-Present: Publications Committee, Human Biology Association.

2025: Human Biology Association breakout session chair, “Researcher and community partner reflections from the field: Leveraging community engagement to promote ethical research practices”.

2024-Present: Guest Editor, Shuar Health and Life History Project special issue, American Journal of Human Biology

2023-Present: Member, Population Ecology, Aging, and Health Network (PEcAHN), working group based at Duke University.

2022-Present: Editorial Board Member for the Annals of Human Biology, “Human Metabolism & Physiology” section.

2022-2024: Nominations and Elections Committee Member, Human Biology Association.

2021: Virtual Session Co-Organizer, Building Intersections of Covid-19 Scholarship, Health Inequities, and Systems Of Care In Pregnancy And The Postpartum. Annual meeting of the American Association of Physical Anthropologists.

2020-2021: Human Biology Association Junior Service Fellow, Sausage of Science podcast producer.

2019: Co-Organizer and Panelist, Evolutionary Medicine: Applications and Interventions for Public Health Symposium, Dartmouth College.

2019: Organizer and Chair, Dartmouth College interdisciplinary working group, “Researching immigrant health and well-being in contemporary American society, navigating the complex issues surrounding participant protection and advocacy in study design”.

2017: Session Chair, annual meeting of the American Association of Physical Anthropologists, New Orleans, LA.

INVITED REVIEWING

Journals

PLOS One

PNAS

American Journal of Human Biology

American Journal of Biological Anthropology

Evolution, Medicine, and Public Health

Biomedical and Environmental Sciences

BMJ Open

Frontiers in Nutrition

Sleep Medicine

International Journal of Adolescent Medicine and Health

Aging and Mental Health

Journal of Sleep Research

Nature and Science of Sleep

Aging

Women’s Health

Evolutionary Human Sciences

Evolutionary Anthropology

Grants

National Science Foundation

UNIVERSITY MEMBERSHIPS

2023-Present: Center for the Environment scholar

2021-Present: Living Earth Collaborative fellow

2021-Present: Center for the Study of Race, Ethnicity & Equity faculty affiliate

2021-Present: Institute of Clinical and Translational Sciences member

PROFESSIONAL MEMBERSHIPS

2018-2020: Society for Applied Anthropology (SfAA)

2017-2019: Population Association of America (PAA)

2014-Present: American Association of Biological Anthropologists (AABA)

2012-Present: Human Biology Association (HBA)

2011-Present: Lambda Alpha Anthropology Honor Society