

Zaneta M. Thayer, Ph.D.

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Academic Appointments

2021 – Date	Associate Professor , Anthropology, Dartmouth College
2023 – Date	Faculty Fellow , Society of Fellows, Dartmouth College
2016 – 2021	Assistant Professor , Anthropology, Dartmouth College
2014 – 2016	Assistant Professor , Anthropology, University of Colorado Denver

Education

2008 – 2013	Ph.D. Biological Anthropology , Northwestern University, <i>Presidential Fellow</i>
2004 – 2008	A.B. Biology & A.B. Anthropology , Dartmouth College, <i>cum laude</i>

Research Expertise

Human biology; Maternal and child health; Developmental plasticity; Health inequities; Stress and trauma; Intergenerational effects; Biology of Racism

Publications

Google Scholar h-index: 27; i10 index: 44

* ** = Dartmouth undergraduate student co-author (6 publications)

* * = Graduate student co-author (15 publications)

* = Postdoctoral Fellow mentee co-author (19 publications)

Published/In press

- 1 **Fannin, L., **Thayer, Z.**, & Dominy, N. (In press). Commemorating the monkey bars, catalyst of debate at the intersection of human evolutionary biology and public health. *Evolution, Medicine, and Public Health*.
- 2 ***Gupta, A., ***Lu, E., & **Thayer, Z.** (2024). The influence of Assisted Reproductive Technologies-related stressors and social support on perceived stress and depression. *BMC Women's Health*, 24.1(431).
- 3 *Rivera, L., *Uwizeye, G., Stolrow, H., Christensen, C., Rutherford, J., & **Thayer, Z.** (2024). Prenatal Exposure to the Genocide against the Tutsi in Rwanda is associated with DNA methylation at candidate genes in early adulthood: the role of trauma severity and postnatal adversity. *medRxiv (Preprint)*. <https://doi.org/10.1101/2024.06.12.24308615>
- 4 **Thayer, Z.**, ** Nemeth, K., * Thomas, J., & * Gildner, T. (2024). Toddler hair cortisol levels are associated with maternal prenatal depression. *American Journal of Human Biology*, (e24127).
- 5 Walker, C., Marks, E., Fletcher, B., **Thayer, Z.**, Cha, J., Teng, Y., Evans, R., & Walder, K. (2024). Prenatal determinants of anxiety symptoms in middle childhood. Evidence from Growing Up in New Zealand. *Journal of Affective Disorders*, 363(653-661).
- 6 Walker, C., **Thayer, Z.**, Kien, L. ., & Morton, B. (2024). Association between maternal depression symptoms and child telomere length. *Journal of Psychiatric Research*, 174(319-325).

- 7 *Uwizeye, G., Rutherford, J., & **Thayer, Z.** (2023). Associations between duration of first trimester intrauterine exposure to genocide against the Tutsi and health outcomes in adulthood. *American Journal of Biological Anthropology*.
- 8 **Thayer, Z.**, & * Gildner, T. (2023). Reported information sharing and satisfaction with maternity care providers during the COVID-19 pandemic: Associations with socioeconomic status and shifts to telehealth. *Birth*, 50(396-406). <https://doi.org/10.1111/birt.12660>
- 9 **Thayer, Z.**, *Uwizeye, G., *** Geisel-Zamora, A., & * Gildner, T. (2023). Childbirth fear in the United States during the COVID-19 pandemic: Key predictors and associated birth outcomes. *Evolution, Medicine and Public Health*, 11(1). <https://doi.org/10.1093/emph/eoad006>
- 10 **Thayer, Z.**, Becares, L., Marks, E., Ly, K., & Walker, C. (2023). Maternal racism experience and cultural identity in relation to offspring telomere length. *Scientific Reports*, 13(10458). <https://doi.org/10.1038/s41598-023-37555-6>
- 11 Wiley, K., Fox, M., * Gildner, T., & **Thayer, Z.** (2023). 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*. <https://doi.org/10.1111/cdev.13934>
- 12 * Uwizeye, G., DeVon, H., McCreary, L., Patil, C., **Thayer, Z.**, & Rutherford, J. (2022). Children born of genocidal rape: What do we know about their experiences and needs? *Public health nursing*, 39(1), 350–359.
- 13 ** Farewell, C., **Thayer, Z.**, Paulson, J., Nicklas, J., Walker, C., Waldie, K., Morton, S., & Leiferman, J. (2022). Fostering Resilience Among Mothers Early (FRAME): using growth mixture modeling to identify resources that mitigate perinatal depression. *Archives of Women's Mental Health*, 25(2), 451–461.
- 14 Robbins, N., Charleston, L., Saadi, A., **Thayer, Z.**, Codrington, W., Landry, A., Bernat, J., & Hamilton, R. (2022). Black Patients Matter in Neurology: Race, Racism, and Race-Based Neurodisparities. *Neurology*, 99(3), 106–114.
- 15 **Thayer, Z.**, & * Gildner, T. (2022). Reported information sharing and satisfaction with maternity care providers during the COVID-19 pandemic: Associations with socioeconomic status and shifts to telehealth. *Birth*. <https://doi.org/https://doi.org/10.1111/birt.12660>
- 16 **Thayer, Z.**, * Uwizeye, G., & McKerracher, L. (2022). Toolkit Article: Approaches to measuring social inequities in health in human biology research. *American Journal of Human Biology*, 34(2). <https://doi.org/doi.org/10.1002/ajhb.23804>
- 17 * * Farewell, C., Donohoe, R., **Thayer, Z.**, Paulson, J., Nicklas, J., Walker, C., Waldie, K., & Leiferman, J. (2021). Maternal depression trajectories and child BMI in a multi-ethnic sample: a latent growth modeling analysis. *BMC Pregnancy and Childbirth*, 21(1), 1–10.
- 18 * * Farewell, C., Quinlan, J., Melnick, E., Lacy, R., Kauie, M., & **Thayer, Z.** (2021). Protective resources that promote wellbeing among New Zealand moms with young children facing socioeconomic disadvantage. *Women & Health*, 61(7), 642–650.
- 19 * * Farewell, C., **Thayer, Z.**, Puma, J., & Morton, S. (2021). Prenatal Stress and Early Childhood Body Mass Index: A Path Analysis Approach. *Maternal & Child Health Journal*, 25(3), 439–449.
- 20 * * Sherin, M., * Gildner, T., & **Thayer, Z.** (2021). COVID-19-related changes to pregnant people's work-plans increase prenatal depression. *Frontiers in Global Women's Health*, 2, 639429.

- 21 * Gildner, T., * Uwizeye, G., * * * Milner, R., * * * Alston, G., & **Thayer, Z.** (2021). 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(1), 1–14.
- 22 * Gildner, T., & **Thayer, Z.** (2021). Maternity Care Preferences for Future Pregnancies Among United States Childbearers: The Impacts of COVID-19. *Frontiers in Sociology*, 6, 17.
- 23 * Uwizeye, G., **Thayer, Z.**, DeVon, H., McCreary, L., McDade, T., Mukamana, D., Park, C., Patil, C., & Rutherford, J. (2021). Double Jeopardy: Young adult mental and physical health outcomes following conception via genocidal rape during the 1994 genocide against the Tutsi in Rwanda. *Social Science and Medicine*, 278, 113938.
- 24 Brewis, A., Piperata, B., Dengah, H., Dressler, W., Liebert, M., Mattison, S., Negrón, R., Nelson, R., Oths, K., Snodgrass, J., Tanner, S., **Thayer, Z.**, Wander, K., & Gravlee, C. (2021). Biocultural Strategies for Measuring Psychosocial Stress Outcomes in Field-based Research. *Field Methods*, 33(4), 315–334.
- 25 Mullings, L., Torres, J., Fuentes, A., Gravlee, C., Roberts, D., & **Thayer, Z.** (2021). The Biology of Racism. *American Anthropologist*, 123(3), 671–680.
- 26 Salas, L., Peres, L., **Thayer, Z.**, * Smith, R., Guo, Y., Chung, W., Si, J., & Liang, L. (2021). A transdisciplinary approach to understand the epigenetic basis of race/ethnicity health disparities. *Epigenomics*, 13(21), 1761–1770.
- 27 **Thayer, Z.**, & * Gildner, T. (2021a). COVID-19-related financial stress associated with higher likelihood of depression among pregnant women living in the United States. *American Journal of Human Biology*, 33(3), e23508.
- 28 * * * Montgomery, S., & **Thayer, Z.** (2020). The influence of experiential knowledge and societal perceptions on decision-making regarding non-invasive prenatal testing (NIPT). *BMC Pregnancy and Childbirth*, 20(1). <https://doi.org/10.1186/s12884-020-03203-4>
- 29 * Gildner, T., * * Laugier, E., & **Thayer, Z.** (2020). 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), e0243188.
- 30 * Gildner, T., & **Thayer, Z.** (2020a). Birth plan alterations among American women in response to COVID-19. *Health Expectations*. <https://doi.org/10.1111/hex.13077>
- 31 * Gildner, T., & **Thayer, Z.** (2020b). Maternal and child health during the COVID-19 pandemic: Contributions in the field of human biology. *American Journal of Human Biology*, e23494. <https://doi.org/https://doi.org/10.1002/ajhb.23494>
- 32 **Thayer, Z.** (2020). Assisted Reproductive Technologies and low birth weight: The potential role of developmental sensitivity to stress. *Evolution, medicine, and public health*, (1), 82–83. <https://doi.org/https://doi.org/10.1093/emph/eoaa008>
- 33 **Thayer, Z.**, Rutherford, J., & Kuzawa, C. (2020). The Maternal Nutritional Buffering Model: An evolutionary framework for pregnancy nutritional intervention. *Evolution, medicine, and public health*, (1), 14–27. <https://doi.org/https://doi.org/10.1093/emph/eoz037>
- 34 * * * Conching, A., & **Thayer, Z.** (2019). Biological pathways for historical trauma to affect health: A conceptual model focusing on epigenetic modifications. *Social Science and Medicine*, 230. <https://doi.org/10.1016/j.socscimed.2019.04.001>
- 35 * * * Stern, K., & **Thayer, Z.** (2019). Adversity in childhood and young adulthood predicts young adult depression. *International Journal of Public Health*, 64(7). <https://doi.org/10.1007/s00038-019-01273-6>

- 36 Ly, K., Walker, C., Berry, S., Snell, R., Marks, E., **Thayer, Z.**, Atatoa-Carr, P., & Morton, S. (2019). Telomere length in early childhood is associated with sex and ethnicity. *Scientific Reports*, 9(1). <https://doi.org/10.1038/s41598-019-46338-x>
- 37 Non, A., & **Thayer, Z.** (2019). Epigenetics and human variation. *A companion to anthropological genetics*, 293–308.
- 38 Running Bear, U., **Thayer, Z.**, Croy, C., Kaufman, C., & Manson, S. (2019). The Impact of Individual and Parental American Indian Boarding School Attendance on Chronic Physical Health of Northern Plains Tribes. *Family and Community Health*, 42(1), 1–7. <https://doi.org/10.1097/fch.000000000000205>
- 39 **Thayer, Z.** (2019). Early Life Adversity and the Value of Diversity. *American Anthropologist*, 121(2). <https://doi.org/10.1111/aman.13221>
- 40 **Thayer, Z.**, & ** Sweetman, C. (2019). How maternal adversity impacts offspring. *eLife*, 8. <https://doi.org/10.7554/eLife.51206>
- 41 **Thayer, Z.**, Bécares, L., & Atatoa Carr, P. (2019). Maternal experiences of ethnic discrimination and subsequent birth outcomes in Aotearoa New Zealand. *BMC Public Health*, 19(1). <https://doi.org/10.1186/s12889-019-7598-z>
- 42 ** Farewell, C., **Thayer, Z.**, Puma, J., & Morton, S. (2018). Exploring the timing and duration of maternal stress exposure: Impacts on early childhood BMI. *Early Human Development*, 117. <https://doi.org/10.1016/j.earlhumdev.2017.12.001>
- 43 ** Farewell, C., **Thayer, Z.**, Tracer, D., & Morton, S. (2018). Prenatal stress exposure and early childhood BMI: Exploring associations in a New Zealand context. *American Journal of Human Biology*. <https://doi.org/10.1002/ajhb.23116>
- 44 ** Wilson, M., & **Thayer, Z.** (2018). Impact of acculturation on depression, perceived stress and self-esteem in young Middle Eastern American adults. *Annals of Human Biology*, 1–8. <https://doi.org/10.1080/03014460.2018.1484160>
- 45 Fox, M., **Thayer, Z.**, Ramos, I., Meskal, S., & Wadhwa, P. (2018). Prenatal and Postnatal Mother-to-Child Transmission of Acculturation's Health Effects in Hispanic Americans. *Journal of Women's Health*.
- 46 Running Bear, U., Croy, C., Kaufman, C., **Thayer, Z.**, & Manson, S. (2018). The relationship of five boarding school experiences and physical health status among Northern Plains Tribes. *Quality of Life Research*, 27(1), 153–157. <https://doi.org/10.1007/s11136-017-1742-y>
- 47 **Thayer, Z.** (2018). Developmental adaptation, in the international encyclopedia of biological anthropology (W. Trevathan, Ed.). <https://doi.org/10.1002/9781118584538.ieba0132>
- 48 **Thayer, Z.**, ** Wilson, M., ** Kim, A., & Jaeggi, A. (2018). Impact of prenatal stress on offspring glucocorticoid levels: A phylogenetic meta-analysis across 14 vertebrate species. *Scientific Reports*, 8(1). <https://doi.org/10.1038/s41598-018-23169-w>
- 49 **Thayer, Z.**, Agustin Bechayda, S., & Kuzawa, C. (2018). Circadian cortisol dynamics across reproductive stages and in relation to breastfeeding in the Philippines. *American Journal of Human Biology*. <https://doi.org/10.1002/ajhb.23115>
- 50 Turner, T., Bernstein, R., Taylor, A., Asangba, A., Bekelman, T., Cramer, J., Elton, S., Harvati, K., Williams-Hatala, E., Kauffman, L., Middleton, E., Richtsmeier, J., Szathmáry, E., Torres-Rouff, C., **Thayer, Z.**, Villaseñor, A., & Vogel, E. (2018). Participation, representation, and shared experiences of women scholars in biological

- anthropology. *American Journal of Physical Anthropology*, 165.
<https://doi.org/10.1002/ajpa.23386>
- 51 * * Wilson, M., & Thayer, Z. (2017). Maternal salivary cortisone to cortisol ratio in late pregnancy: An improved method for predicting offspring birth weight. *Psychoneuroendocrinology*, 78. <https://doi.org/10.1016/j.psyneuen.2016.12.018>
 - 52 Fox, M., Thayer, Z., & Wadhwa, P. (2017a). Acculturation and Health: The Moderating Role of Sociocultural Context. *American Anthropologist*, 119(3). <https://doi.org/10.1111/aman.12867>
 - 53 Fox, M., Thayer, Z., & Wadhwa, P. (2017b). Assessment of acculturation in minority health research. *Social Science and Medicine*, 176. <https://doi.org/10.1016/j.socscimed.2017.01.029>
 - 54 Thayer, Z. (2017). Dark shadow of the long white cloud: Neighborhood safety is associated with self-rated health and cortisol during pregnancy in Auckland, Aotearoa/New Zealand. *SSM - Population Health*, 3. <https://doi.org/10.1016/j.ssmph.2016.11.004>
 - 55 Thayer, Z., Barbosa-Leiker, C., McDonell, M., Nelson, L., Buchwald, D., & Manson, S. (2017). Early life trauma, post-traumatic stress disorder, and allostatic load in a sample of American Indian adults. *American Journal of Human Biology*, 29(3). <https://doi.org/10.1002/ajhb.22943>
 - 56 Thayer, Z., Blair, I., Buchwald, D., & Manson, S. (2017). Racial discrimination associated with higher diastolic blood pressure in a sample of American Indian adults. *American Journal of Physical Anthropology*, 163(1). <https://doi.org/10.1002/ajpa.23190>
 - 57 Non, A., & Thayer, Z. (2015). Epigenetics for anthropologists: An introduction to methods. *American Journal of Human Biology*, 27(3). <https://doi.org/10.1002/ajhb.22679>
 - 58 Thayer, Z., & Kuzawa, C. (2015). Ethnic discrimination predicts poor self-rated health and cortisol in pregnancy: Insights from New Zealand. *Social Science and Medicine*, 128. <https://doi.org/10.1016/j.socscimed.2015.01.003>
 - 59 Thayer, Z., & Non, A. (2015). Anthropology Meets Epigenetics: Current and Future Directions. *American Anthropologist*, 117(4). <https://doi.org/10.1111/aman.12351>
 - 60 Lee, J., Fried, R., Thayer, Z., & Kuzawa, C. (2014a). Preterm delivery as a predictor of diurnal cortisol profiles in adulthood: Evidence from Cebu, Philippines. *American Journal of Human Biology*, 26(5). <https://doi.org/10.1002/ajhb.22569>
 - 61 Lee, J., Fried, R., Thayer, Z., & Kuzawa, C. (2014b). Response to Agilli et al. *American journal of human biology : the official journal of the Human Biology Council*, 26(6). <https://doi.org/10.1002/ajhb.22611>
 - 62 Thayer, Z. (2014a). The author replies. *American Journal of Epidemiology*, 180(3). <https://doi.org/10.1093/aje/kwu166>
 - 63 Thayer, Z. (2014b). The vitamin D hypothesis revisited: Race-based disparities in birth outcomes in the united states and ultraviolet light availability. *American Journal of Epidemiology*, 179(8). <https://doi.org/10.1093/aje/kwu023>
 - 64 Thayer, Z., & Kuzawa, C. (2014). Early origins of health disparities: material deprivation predicts maternal evening cortisol in pregnancy and offspring cortisol reactivity in the first few weeks of life. *American journal of human biology : the official journal of the Human Biology Council*, 26(6). <https://doi.org/10.1002/ajhb.22532>

- 65 Kuzawa, C., & Thayer, Z. (2013a). Toppling typologies: Developmental plasticity and the environmental origins of human biological variation in anthropology of race: Genes, biology, and culture.
- 66 Kuzawa, C., & Thayer, Z. (2013b). Toppling typologies: Developmental plasticity and the environmental origins of human biological variation.
- 67 Thayer, Z., & Dobson, S. (2013). Geographic Variation in Chin Shape Challenges the Universal Facial Attractiveness Hypothesis. *PLoS ONE*, 8(4).
<https://doi.org/10.1371/journal.pone.0060681>
- 68 Thayer, Z. (2012). Birth in Blockhouse Bay. *Environmental Health Narratives: A reader for youth*, 258–266.
- 69 Thayer, Z., Feranil, A., & C, K. (2012). Maternal cortisol disproportionately impacts fetal growth in male offspring: Evidence from the Philippines. *American Journal of Human Biology*, 24(1). <https://doi.org/10.1002/ajhb.21226>
- 70 Kuzawa, C., & Thayer, Z. (2011). Timescales of human adaptation: The role of epigenetic processes. *Epigenomics*, 3(2). <https://doi.org/10.2217/epi.11.11>
- 71 Thayer, Z., & Kuzawa, C. (2011). Biological memories of past environments: Epigenetic pathways to health disparities. *Epigenetics*, 6(7). <https://doi.org/10.4161/epi.6.7.16222>
- 72 Thayer, Z., & Dobson, S. (2010). Sexual dimorphism in chin shape: Implications for adaptive hypotheses. *American Journal of Physical Anthropology*, 143(3).
<https://doi.org/10.1002/ajpa.21330>

Research Grants, Awards and Fellowships

External

2023	National Science Foundation , Biological Anthropology, PI, \$216,126
2022	National Institutes of Health/National Institute of Minority Health and Health Disparities , K01, Mentor, \$616,699
2020	Michael A. Little Early Career Award , Human Biology Association University of Auckland School of Population Health Project Seeding Grant , co-PI, \$10,000
2019	Health Research Council, New Zealand , Collaborator, \$4,999,332
2018	Wenner Gren Hunt Fellowship PI, \$40,000 NSF Dissertation Improvement Grant , co-PI (advisor), \$19,903
2017	University of Auckland School of Population Health Project Seeding Grant , co-PI, \$10,000
2014-2016	National Institute of Health/National Institute for Minority Health and Minority Health Disparities P20 Grant , Behavioral Research Fellow, \$32,018.
2013	E.E. Hunt Jr. Student prize , Best paper at Human Biology Association meetings NSF Dissertation Improvement Grant , co-PI, \$15,357
2011	Wenner Gren Dissertation Fieldwork Grant , PI, \$20,000 Wenner Gren Dissertation Osmundsen Award , PI, \$5,000 NSF East Asia and Pacific Summer Institutes (EAPSI) Fellow , PI, \$5,561
2009-2012	NSF Graduate Research Fellow , \$90,000

Research Grants, Awards and Fellowships (continued)

Internal

2023	Dartmouth College , Neukom Institute CompX grant, Co-PI, \$39,005
2022	Dartmouth College Frank Guarini Award for Outstanding Contributions to Off-campus programs
2021	Dartmouth College Petit Family Fellowship
2020	Dartmouth College Junior Faculty Fellowship
2019	Dartmouth College Goodman Fund Travel Grant
2018	Dartmouth College Burke Award
2017	Dartmouth College Dickey Center Travel Award Dartmouth College Goodman Fund Travel Grant
2015	UCD College of Liberal Arts and Sciences Dissemination Grant UCD Young Upwardly Mobile Professional Faculty Development Grant
2014	UCD College of Liberal Arts and Sciences Dissemination Grant UCD Young Upwardly Mobile Professional Faculty Development Grant
2012 - 2013	Northwestern University Presidential Fellowship
2012	Northwestern University Graduate Research Grant
2011	Northwestern University Summer Language Grant LeCron Foster Fund and Friends of Anthropology Grant
2009	Buffett Center Travel Grant
2008 - 2009	Northwestern University Darwin Fellow

Published Abstracts & Conference Papers

2024	Uwizeye, G, Rivera, L, Z. Thayer . Carrying markers of gender-based violence across generations: Epigenetic associations with prenatal exposure to genocidal rape in Rwanda. Nursing Network on Violence Against Women International, Phuket, Thailand S. Wellons, L. Fannin, J. DeSilva, Z. Thayer . Menstrual Mysteries: Evolutionary Trends in Menstruation Among Primates. American Association of Biological Anthropology meetings, Los Angeles, California L. Rivera, I. Vlasac, H. Stolrow, Z. Thayer , and B. Christensen The Period Biology Project—menstrual epigenetics to elucidate the impact of stress on reproductive health. Stress and Resilience: Exploring New Horizons in Science and Applications, Lausanne, Switzerland.
2023	Z. Thayer , Farwell, C, and T. Gildner. Latent class analysis of predictors and mental health outcomes associated with COVID-19 related disruptions to childbirth in the United States. Human Biology Association, Reno, Nevada. Geisel-Zamora, S, and Z. Thayer , Physiologic impacts of TikTok and phone use among young adults in Aotearoa New Zealand. Human Biology Association, Reno, Nevada.
2022	Z. Thayer , U. Running Bear, D. Buchwald, and S. Manson. Individual and parental attendance at Indian Boarding Schools in the United States: Associations with Post traumatic Stress Disorder (PTSD) and Allostatic load. Developmental Origins of Health and Disease Meetings, Vancouver, British Columbia

Published Abstracts & Conference Papers (continued)

- A. Gupta, E. Lu and **Z. Thayer**. Understanding the Psychological and Physiological Impacts of Assisted Reproductive Technology-Related Stress. Developmental Origins of Health and Disease Meetings, Vancouver, British Columbia
- A. Gupta, E. Lu and **Z. Thayer**. Understanding the Psychological and Physiological Impacts of Assisted Reproductive Technology-Related Stress. International Society of Evolutionary Medicine and Public Health Meetings, Lisbon, Portugal
- K. Wiley, M. Fox, T. Gildner and **Z. Thayer**. Pre- and postnatal maternal psychological wellbeing and infant socioemotional development during the COVID-19 pandemic. Human Biology Association Meetings, Denver, Colorado
- S. Geisel-Zamora, T. Gildner and **Z. Thayer**. promotes postpartum mental health among US-based participants during the COVID-19 pandemic. Human Biology Association Meetings, Denver, Colorado
- C. Sweetman, T. Gildner and **Z. Thayer**. Community and immunity: maternal dilemmas in balancing child safety and isolation during the COVID-19 pandemic, findings from the CARE study. Human Biology Association Meetings, Denver, Colorado
- B. Orinda, **Z. Thayer**, G. Uwizeye and T. Gildner. Relationships between positive postpartum experiences, social support, and mental health during the COVID-19 pandemic. Human Biology Association Meetings, Denver, Colorado
- G. Hughes-Waldon, **Z. Thayer**, E. Marks and C. Walker. The role of early-life adversity on telomere length and psychosocial wellbeing in children: Evidence from Growing Up in New Zealand. Human Biology Association Meetings, Denver, Colorado
- T. Gildner and **Z. Thayer**. The impacts of exercise routine disruptions on postpartum depression risk during the COVID-19 pandemic among individuals living in the United States. American Association of Biological Anthropologist Meetings, Denver, Colorado
- 2021 C. Sweetman, T. Gildner and **Z. Thayer**. Breastfeeding during breakout: Findings from the COVID-19 and Reproductive Effects (CARE) study. Human Biology Association Meetings, virtual (poster presentation)
- Z. Thayer**, G. Uwizeye, G. Alson, A. Lu, R. Milner, T. Gildner. Fear of childbirth is associated with birth outcomes during the COVID-19 pandemic among a sample of pregnant persons in the US. Human Biology Association Meetings, virtual (poster presentation)
- 2020 Farewell, C., Leaferman, J., **Z. Thayer**, Puma, J. Associations between perinatal mental health and early childhood obesity in a multi-ethnic pregnancy cohort study American Public Health Association meeting (paper presentation)
- Z. Thayer**, C. Walker, K. Ly, S. Berry, and S. Morton. *What is the best way to measure biological impacts of early adversity? Assessing the biological impacts of early life threat versus deprivation* Human Biology Association, Los Angeles, California (paper presentation; cancelled due to COVID-19)
- 2019 C. Walker, **Z. Thayer**, A. Pillai, E. Marks, K. Waldie, S. Berry, and S. Morton. *Association between maternal depression symptoms and child telomere length: Evidence from Growing Up in New Zealand* Developmental Origins of Health and Disease. Melbourne, Australia
- C. Walker, **Z. Thayer**, A. Pillai, E. Marks, K. Waldie, S. Berry, and S. Morton. *Association between maternal depression symptoms and child telomere length: Evidence from Growing Up in New Zealand* American Society for Human Genomics. Houston, Texas
- Z. Thayer**, C. Walker, K. Ly, E. Marks, and S. Morton. *Developmental Origins of Health Disparities: Early life adversity and DNA methylation in Childhood*. American Association of Physical Anthropologist Meetings. Cleveland, Ohio (poster presentation - invited session)

Published Abstracts & Conference Papers (continued)

- Farewell, C., and **Z. Thayer**. *Critical Periods of Maternal Stress Exposure and Early Childhood Obesity: Exploring Risk and Protective Factors in New Zealand*. Human Biology Association Meetings. Cleveland, Ohio (poster presentation)
- 2018 **Z. Thayer**. *The Human Life Course: How Stress Influences Health through Intergenerational Pathways* Society for the Advancement of Chicanos and Native Americans in Science Meetings. San Antonio, Texas (paper presentation)
- Z. Thayer**. *Life course and intergenerational pathways for historical trauma to shape health disparities*. Human Biology Association Meetings. Austin, Texas (paper presentation - plenary session)
- 2017 Farewell, C., and **Z. Thayer**. *Maternal Stress and Early Childhood Obesity: Exploring Critical periods of Development in a New Zealand Context*. American Public Health Association Meetings. Atlanta, Georgia (paper presentation)
- Z. Thayer**, U. Running Bear, D. Buchwald, and S. Manson. *Life course trauma and racial discrimination experience in relation to heart rate variability among a sample of American Indians from the Northern Plains*. Human Biology Association Meetings. New Orleans, Louisiana (paper presentation)
- Wilson, M., and **Z. Thayer**. *The Effects of acculturation on stress in young Middle Eastern American students*. Human Biology Association Meetings. New Orleans, Louisiana (poster presentation)
- 2016 **Z. Thayer** and M. Wilson. *Cortisone to cortisol ratio as an alternative measure of HPA-axis function in pregnancy*. Human Biology Association meetings. Atlanta, Georgia (poster presentation)
- 2015 **Z. Thayer** and M. Wilson. *The good, the bad, and the maladapted: Fetal sensitivity in the context of evolutionarily novel environments*. American Anthropological Association meetings. Denver, Colorado (paper presentation)
- Z. Thayer**. *Effects of poor neighborhood quality on maternal and offspring cortisol and methylation*. Society for the Study of Human Biology Meetings. Lisbon, Portugal (paper presentation)
- Z. Thayer** and C. Kuzawa. *Developmental and epigenetic responses to the environment: the embodiment of racial disparities in health in New Zealand*. Invited session at American Association of Physical Anthropology Meetings. St. Louis, Missouri (paper presentation)
- Z. Thayer**, C Barbosa-Leiker, M McDonell, L. Nelson, D. Buchwald, and S. Manson. *Early life stress, PTSD and allostatic load in a sample of American Indian adults*. Human Biology Association, St. Louis, Missouri (poster presentation)
- L. Weiner, and **Z. Thayer**. *Maternal depression and PTSD in the perinatal period in relation to offspring methylation*. International Evolutionary Medicine and Public Health Meetings. Phoenix, Arizona (poster presentation)
- 2014 **Z. Thayer**, C Barbosa-Leiker, M McDonell and L. Nelson. *Early life stress and adult health among a sample of American Indians*. 2014 International Symposium on Minority Health & Health Disparities. Washington DC (paper presentation)
- Z. Thayer**, and CW Kuzawa. *Maternal perinatal PTSD symptoms predict reduced infant cortisol reactivity: Implications for PTSD risk in offspring*. Human Biology Association meetings, Calgary, Canada (poster presentation)
- R. Fried, J. Lee, **Z. Thayer**, J. Borja, and CW. Kuzawa. *Preterm delivery as a predictor of diurnal cortisol profiles in adulthood: evidence from metropolitan Cebu City, Philippines*. American Association of Physical Anthropologists meetings, Calgary, Canada (poster presentation)

Published Abstracts & Conference Papers (continued)

- 2013 **Z. Thayer.** *Pacific Islander and Maori women have bunted diurnal cortisol decline in pregnancy and give birth to infants with reduced cortisol reactivity: Implications for health disparities research in New Zealand.* Otago International Health Research Network Conference, Dunedin, New Zealand (paper presentation)
- Z. Thayer** and CW. Kuzawa. *Fetal Sensitivity to Maternal Environmental Experience.* American Anthropology Association Meetings, Chicago, Illinois (paper presentation)
- CW Kuzawa, **Z. Thayer** and R. Fried. *Biological Memories of Past Deprivation: Lifecourse and Intergenerational Transmission of Embodied Health Inequality.* American Anthropology Association Meetings, Chicago, Illinois (paper presentation)
- Z. Thayer** and CW Kuzawa. *Moving Beyond Genetic Race: Developmental contributions to human variation in New Zealand.* American Association of Physical Anthropologists Meetings, Knoxville, Tennessee. (poster presentation)
- Z. Thayer** and CW Kuzawa. *Intergenerational effects of maternal experience: Influence of SES on maternal and offspring stress physiology in New Zealand.* Human Biology Association Meetings, Knoxville, Tennessee. (paper presentation)
- 2012 CW Kuzawa, LT Gettler, **Z Thayer**, TW McDade. *The Testosterone Awakening Drop: Rapid post-waking decline in testosterone in males and females.* Human Biology Association Meetings, Portland, Oregon. (poster presentation)
- 2011 **Z. Thayer.** *Vitamin D hypothesis revisited: Do differences in UV exposure contribute to disparities in birth outcomes within the United States?* GLASS AGEP Professional Development Conference in Chicago, Illinois. (paper presentation)
- Z. Thayer** and C. Kuzawa. *Diurnal cortisol profiles in pregnancy: Does the pattern of cortisol secretion vary across populations or by birth weight?* Human Biology Association Meetings, Minneapolis, Minnesota. (paper presentation)
- 2010 K. Rankin, T. Lyons, **Z. Thayer**, J.W. Collins, Jr. *Like Mother, Like Daughter: The Intergenerational Cycle of Teen Motherhood in the Context of Race and Lifelong Neighborhood Economic Environment.* Maternal and Child Health Epidemiology Conference, San Antonio, Texas. (paper presentation)
- Z. Thayer** and C. Kuzawa. *Diurnal cortisol rhythms and birth weight in the Cebu Study.* Human Biology Association Meetings, Albuquerque, New Mexico. (poster presentation)
- 2009 **Z. Thayer** and C. Kuzawa. *Diurnal cortisol rhythms and birth weight in the Cebu Study.* Developmental Origins of Health and Disease Conference, Santiago, Chile. (poster presentation)
- 2008 **Z. Thayer** and S. Dobson. *On the adaptive value of the chin from the perspective of sexual dimorphism.* Northeast Anthropology Association Meetings, Amherst, Massachusetts. (paper presentation)

Invited presentations (including currently scheduled)

External

- 2024 **Arizona State University** Evolution of Social Complexity colloquium
University of Wyoming Mulloy Lecture, Department of Anthropology
Penn State University, Department of Anthropology (rescheduled)
- 2023 **University of California at Santa Barbara**, Department of Anthropology
University of Vermont, Department of Psychology
Institute for Advanced Study in Toulouse Toulouse Economics and Biology Workshop

Invited presentations (including currently scheduled) (continued)

- American Association of Biological Anthropology Meetings**, Presidential Panel
Harvard University, Booms Lecture, Department of Anthropology
Baylor University, Department of Anthropology
- 2022 **NYU Berlin**, Developmental plasticity workshop
Humboldt University, Public Lecture
University of Washington, Department of Anthropology
University of Texas-Austin, Population Research Center Working Group in Biosocial Approaches to Understanding Health Inequities
University of Massachusetts-Amherst, Department of Organismic and Evolutionary Biology
- 2021 **Harvard University**, Department of Systems Biology
Princeton University, Department of Anthropology Graduate Course
Notre Dame University, Keynote Inaugural Speaker, Department of Anthropology
Emory University, Armelagos Lecture in Biocultural Anthropology
Duke University, Department of Evolutionary Anthropology
Yale University, Department of Anthropology
Cleveland Museum of Natural History, Leakey Foundation and AAPA virtual public program
Club EvMed, Virtual Evolutionary Medicine Conversations
George Washington University, Department of Anthropology
- 2020 **University of Pittsburgh**, Department of Anthropology
New York University, Department of Anthropology
University of California Los Angeles, Department of Anthropology
San Francisco State University, Department of Anthropology
Bucknell University, Department of Biology
University of Auckland, Centre for Longitudinal Research Seminar (cancelled due to COVID-19)
- 2019 **Senckenberg Research Institute and Natural History Museum Frankfurt, Germany**, Evolutionary Medicine: the Biocultural Perspective Workshop
Dickinson College, Clarke Forum for Contemporary Issues Invited Speaker Series
Leiden University, the Netherlands, Lorentz Center "Better Safe than Stressed" Workshop
George Washington University, International Research Unit (Epi)Genetics, Data, Politics
- 2018 **University of Michigan**, Department of Anthropology
University of Auckland, Centre for Longitudinal Research
University of Tennessee Knoxville, Anthropology Visiting lecture series
Arizona State University, Traumatic Stress and Moral Injury Workshop
Norwich Inn, Vermont Center for Ecostudies, Public lecture
Max Planck Institute for Evolutionary Anthropology, Workshop on field site management (declined - maternity leave)
University at Albany, Department of Anthropology (cancelled - maternity leave)

Invited presentations (including currently scheduled) (continued)

- 2017 **University of California Santa Barbara**, Department of Anthropology (cancelled - maternity leave)
CUNY Graduate Center, New York Consortium for Evolutionary Primatologists
Duke University, Department of Evolutionary Anthropology
University of Waikato, New Zealand, Department of Anthropology
American Museum of Natural History, Leakey Foundation Lecture
Butler University, TedX Indianapolis
- 2016 **University of Illinois Urbana Champaign**, Biohumanities Interchange
Dartmouth College, Department of Anthropology
University of Oregon, Clark Honors College
Arizona State University, School of Human Evolution and Social Change
Arizona State University, Center for Evolutionary Medicine
University of Pennsylvania, Department of Anthropology
- 2015 **University of Oregon**, Department of Anthropology
Yale University, BioAnthropology
University of Colorado Boulder, Department of Anthropology
University of Denver, Department of Psychology
University of Colorado School of Medicine, Developmental Psychobiology Research Group
Denver Museum of Nature and Science, Public lecture
- 2014 **Nerd Nite Denver**, Public lecture
University of Kansas Medical Center, Invited speaker
- 2013 **Ohomairangi Trust**, Public lecture
University of Auckland, Department of Anthropology
Whariki Health Research Group, Invited lecture
Maternal Mental Health & Child and Adolescent Mental Health Services, Counties Manukau Health Board, Public lecture
Whakatapu Ora - Infant Mental Health Service, Counties Manukau District Health Board, Public lecture
Tomaiora Te Kete Hauora Maori, Invited lecture
Liggins Institute, Lecture series
Maternal Mental Health Services, Auckland District Health Board, Public lecture
Auckland District Health Board, Public lecture
- 2011 **Liggins Institute**, Lecture series
- 2010 **Liggins Institute**, Lecture series
Faculty of Medical and Health Sciences, Auckland, Tōmaiora Seminar Series
Massey University, Department of Anthropology
- Internal
- 2024 **Dartmouth College**, Pathways to Scholars program
- 2023 **Dartmouth Geisel Medical School**, M2 Patients and Populations Course
Dartmouth Health, Emergency Department Seminar
Dartmouth College, Dartmouth College Dimensions Speaker

Invited presentations (including currently scheduled) (continued)

2021	Dartmouth Geisel Medical School , M1 Patients and Populations Course
2020	Dartmouth Geisel Medical School , M1 Patients and Populations Course Dartmouth Geisel Medical School , Physicians for Human Rights Conference Dartmouth Women in Science Program , Science Faculty Spotlight Dartmouth Geisel Medical School , M2 Patients and Populations Course
2019	Dartmouth College , 100 Years of Women on the Faculty Dartmouth College , Globe Med undergraduate group Dartmouth College , Pathways to Scholars Program
2018	Dartmouth Geisel Medical School , Department of Epidemiology Dartmouth College , Institutional Diversity and Equity Summit Dartmouth College , Guest lecture for AAAS 63: Race Matters Dartmouth College , Pathways to Scholars Program Dartmouth College , Globe Med undergraduate group Dartmouth College , First Year Trips Faculty speaker (declined due to maternity leave) Dartmouth Center for the Advancement of Learning , Workshop on soliciting student feedback
2017	Dartmouth College , Guest lecture for ANTH 12.22: The Culture, Science, and Practice of Wellness Dartmouth College , Anthropology Day Lecture at North Park House Dartmouth College , New Faculty Orientation Dartmouth College , First Year Trips Faculty speaker
2016	University of Colorado Denver , Department of Psychology
2015	University of Colorado Denver , Department of Health and Behavioral Sciences
2014	University of Colorado Denver , Department of Integrative Biology

Teaching & Advising

Grants and Awards

2024	Dartmouth College Rockefeller Center Classroom Enhancement Grant
2022	Dartmouth College Frank J. Guarini Award for Extraordinary Contribution to Off-Campus Programs
2021	Dartmouth College Center for Service Social Impact Practicum
2019	Dartmouth College Center for Service Social Impact Practicum Dartmouth College Rockefeller Center Classroom Enhancement Grant
2018	Dartmouth College Top Professors, Class of 2018, Aegis (Dartmouth Yearbook) Dartmouth College Center for Service Social Impact Practicum

Teaching & Advising (continued)

2017

Dartmouth College Dean of Faculty Mentoring Award

Courses taught

Dartmouth College

Introduction to Biological Anthropology
Human Biological Variation
Health & Disease in Evolutionary Perspective
Evolution of Pregnancy, Birth & Babies
Colonialism and Its Legacies in Anthropological Perspective

University of Colorado Denver

Introduction to Biological Anthropology
Evolutionary Medicine
Modern Human Biological Variation

Northwestern University

Human Origins

Additional Curriculum Development

Summer Enrichment at Dartmouth - Evolutionary Medicine
ACF Tribal Grantee Meeting workshop on Adverse Childhood Experiences and Health
Curriculum Developer for Natural Sciences Department Boundless Learning
Instructor, TalentSparks Science Teachers workshop

Teaching & Advising (continued)

Advising

Undergraduate Mentoring

Current:

Senior honors thesis: Emilee Kain; Marina Wang; Colleen Halleck

Research Assistant: Faith Niyi-Awolesi; Emma Symon; Lauren Halsey; Yasmine Kanaan; Suchi Jain; Katherine Hartnett

Past:

Senior honors thesis: Suzanna Geisel-Zamora; Grace Rubin; Erika Hernandez; Nathanael Gallagher; Sovi-Mya Wellons; Elizabeth Borgmann

Senior Project: Isabelle Vratimos; Alex Hawley; Advaita Chaudhari

Presidential Scholar: Marina Wang; Aditi Gupta; Emily Lu; Sophie Montgomery; Odalis Hernandez Medrano; Erika Hernandez

Stamps Research Scholar: Erika Hernandez

Sophomore Research Scholar: Lauren Halsey; Brooke Leggat; Erika Hernandez; Katherine Fearon; Aditi Gupta; Sara Fragione; Emily Lu

Junior Research Scholar: Cecily Craighead; Shelby Snyder; Lillian Clark; Elizabeth Clark; Rena Schwartz

Independent Study: Amedee Conley-Kapoi; Colleen Halleck; Jeremy Rodriguez; Andie Conching; Adam Couitt; Kaija Stern; Alex Hawley; Sophie Montgomery

Melon-Mays: Alex Hawley

Women in Science Project: Veronioca Shea; Laura Francisco

Research Assistant: Adam Couitt; Rebecca Milner; Amanda Lu; Grace Alston; Margaret Sherin; Daniela Orozco Rendon; Marina Wang; ZoeFaith Cabrillo; Aditi Gupta; Emily Lu; Dong Wan Kang; Namitha Alluri; Claire Pingitore

Graduate Mentoring

Current:

PhD thesis chair: Chlöe Sweetman (EEES)

PhD thesis committee: Catherine Miller (EEES); Zhuoya Zhang (Quant Biomed Sciences)

Past:

PhD thesis chair: Charlotte Farewell (now Senior Research Instructor Colorado School of Public Health)

Masters thesis chair: Meredith Wilson (now PhD student at University of Illinois)

Masters thesis committee member: Krista Fuentes; Elicia Abella; Tracey Lancaster; Antonia Vita; Caitlin Anderson; Kathryn Scheyer

MALS thesis committee Quinn Brueggemann

PhD thesis committee: ; Rob Tennyson (University of Washington); Rachel Wilbur (University of North Carolina)

Teaching & Advising (continued)

Postdoctoral Fellow Mentoring

Current: Luisa Rivera; Margarita Hernandez
Past: Theresa Gildner (now Assistant Professor Washington University at St. Louis); Rick Smith (now Assistant Professor George Mason University); Glorieuse Uwizeye (now Assistant Professor at Western University)

Academic Service

Professional level

- 2023 - Date **Proceedings of the Royal Society B**, Associate Editor
Evolution, Medicine and Public Health, Book Review Editor
International Society for Evolution and Public Health, Conference program committee
- 2019 - Date **Human Biology Association**, Conference program Committee
- 2016 - 2022 **American Association for the Advancement of Science**, Board Appointed Committee on Opportunities in Science
- 2016 - Date **American Association of Physical Anthropologists**, Judge for Pollitzer Prize and Student Presentations
- 2016 - 2017 **Human Biology Association**, Program Committee
- 2015 - Date **American Association of Physical Anthropologists**, Committee on Diversity Appointed Increasing Diversity in Anthropological Sciences (IDEAS) faculty member
- 2014 - 2015 **American Association of Physical Anthropologists**, Mid-career women's mentoring workshop steering committee
American Anthropological Association, Local program committee

University level

- 2023 - Date **Dartmouth College**, Committee on Organization and Policy
Dartmouth College, Society of Fellows Faculty Fellow
- 2023 - 2023 **Dartmouth College**, Presidential Inauguration Committee
- 2022 - Date **Dartmouth College**, The Dartmouth Institute Dartmouth Atlas Data Equity Working Group
Dartmouth College, Dartmouth Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) Faculty Advisor
Dartmouth College, Rockefeller Center Faculty Council
- 2022 - 2022 **Dartmouth College**, President Search Committee
- 2019 - Date **Dartmouth College**, Faculty review committee for exchange program with University of Auckland
- 2018 - Date **Department of Anthropology, Dartmouth College**, Goodman Fund committee
- 2016 - 2018 **Department of Anthropology, Dartmouth College**, Colloquium committee
- 2015 - 2016 **President, University of Colorado Professional Chapter, SACNAS**

Academic Service (continued)

Invited Reviewer

Publications, 33 journals: Aging; American Anthropologist; American Indian & Alaska Native Mental Health Research; American Journal of Human Biology; American Journal of Perinatology; American Journal of Physical Anthropology; American Journal of Public Health; Annals of Anthropological Practice; Annals of Behavioral Medicine; Annals of Epidemiology; Annals of Human Biology; Behavioral Ecology & Sociobiology; BMC Pregnancy and Childbirth; BMC Public Health; British Journal of Nutrition; Child Development; Developmental Psychobiology; eLife; Evolutionary Anthropology; Evolution, Medicine & Public Health; Hormones & Behavior; Journal of Clinical Medicine; Journal of Psychiatric Research; Journal of Psychosomatic Research; PLOS ONE; Proceedings of the National Academy of Sciences (PNAS); Psychoneuroendocrinology; Science; Scientific Reports; Social Science & Medicine; SSM - Population Health; Translational Psychiatry; Yearbook of Biological Anthropology

Grant Review: National Science Foundation (panel and ad hoc); National Institutes of Health (panel); Leakey Foundation (ad hoc)

Professional Organizations

2016 - Date	American Association for the Advancement of Science
2013 - Date	American Anthropological Association
2011 - Date	Society for the Advancement of Chicanos and Native Americans in Science
2008 - Date	American Association of Physical Anthropologists Human Biology Association

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