Kyle S. Wiley

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EDUCATION

2020 *Ph.D.*, *Anthropology*
Yale University Graduate School of Arts and Sciences
Dissertation: Intergenerational Consequences of Interpersonal Violence: The Role of Fetal Programming

2015 *M.Phil.*, *Anthropology*
Yale University Graduate School of Arts and Sciences

2013 *B.S., Anthropology: Human Biology Emphasis*, *magna cum laude. Minor: Ecology and Evolutionary Biology*
Honors Thesis: Linking Self-perception of Stressful Experiences with Self-Perception of Stress in Undergraduate College Students

B.A., Music: Theory, History, and Criticism, *magna cum laude. Minor: Public Health*
University of Arizona

ACADEMIC APPOINTMENTS

2024- Assistant Professor, Department of Sociology and Anthropology, the University of Texas at El Paso

2020-2023 Postdoctoral Scholar, Department of Anthropology, Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles
Faculty Mentor: Dr. Molly M. Fox

2020 Adjunct Instructor, Department of Anthropology, Southern Connecticut State University

GRANTS

2025-2026 Career Enhancement Award, College of Liberal Arts, the University of Texas at El Paso ($5,000)

2020-2023 National Institute of Minority Health and Health Disparities, National Research Service Award F32, F32MD015201

2017-2019 National Science Foundation, Doctoral Dissertation Research Improvement Grant, NSF BSC-1731773 ($11,201)

2017-2019 Wenner-Gren Foundation, Dissertation Fieldwork Grant, Gr. 9443 ($5,690)

2017-2019 MacMillan Center, International Dissertation Research Fellowship, Yale University ($10,508)

2016 Smith Fund, Department of Anthropology, Yale University ($3,662)

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AWARDS AND HONORS

2024	Rising STARs (Science and Technology Acquisition and Retention) Program Award, the University of Texas System ($300,000)
2022	Annual Meeting Travel Award, International Society for Evolution, Medicine, and Public Health ($1,000)
2020	Alumni Teaching Fellowship Award, Yale University Graduate School of Arts and Sciences, *declined to accept NIH NRSA F32 Fellowship*
2014-2019	Schwartz Fund Travel Award, Department of Anthropology, Yale University Graduate School of Arts and Sciences
2012	Academic Distinction, College of Social and Behavioral Sciences, University of Arizona
	Thomas A. Bogard Scholarship, School of Anthropology, University of Arizona
2011	Honors Alumni Grant, Honors College, University of Arizona
	School of Anthropology Grant, School of Anthropology, University of Arizona
	Academic Distinction, College of Social and Behavioral Sciences, University of Arizona
2010	Dean's List, College of Social and Behavioral Sciences, University of Arizona

PUBLICATIONS

Bribiescas R, **Wiley KS**, Sancilio A, Panter-Brick C, Viali S, Reupena R, Naseri T, Hawley NL, Messerlian G, and McGarvey, ST. *In press.* Reproductive and metabolic hormone levels in obese and normal weight Samoan men: Implications for the evolution of adiposity in South Pacific populations and possible evidence of an alternative human male phenotype. *Evolution, Medicine, and Public Health*. https://doi.org/10.1093/emph/eoag001

Kwon D, Fessler DMT, Knorr DA, **Wiley KS**, Sartori J, Coall DA, and Fox MM. 2025. Of scents and cytokines: Associations between olfactory experience, food aversions, nausea, and early gestational immunomodulation. *Evolution, Medicine, and Public Health*, 13(1): 269-280. https://doi.org/10.1093/emph/eoaf016

Fox MM, Hassan A, **Wiley KS**, Kwon D, Knorr DA. 2025. Regulatory T-Cells During Pregnancy Relate to Women's Own Childhood History of Microbial Exposure. *American Journal of Human Biology*, 37 (3), e70013. https://doi.org/10.1002/ajhb.70013

Wiley KS, Gouveia G, Euclydes V, Camilo C, Panter-Brick C, Matijasevich A, Ferraro A, Fracolli L, Chiesa A, Miguel E, Polanczyk G, Brentani H. 2025. A preliminary investigation of associations between traumatic events experienced during pregnancy and salivary diurnal cortisol levels of Brazilian adolescent mothers and infants. *American Journal of Human Biology*, 37: e7000. https://doi.org/10.1002/ajhb.70004

Wiley KS*, Martinez L*, Kwon D, Knorr DA, Epeldegui M, Fox MM. 2025. How concentrations of regulatory B cell subsets relate to regulatory T cells and cytokines in peripheral blood of pregnant women. *American Journal of Reproductive Immunology*, *93*(2): e70027. https://doi.org/10.1111/aji.70027

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Daiy K, **Wiley KS**, Allen J, Bailey M, and Dettmer A. 2025. Associations between composition of the gut microbiome and cognition in infant Rhesus macaques. *Journal of Developmental Origins of Health and Disease*, 16e1: 1-18. https://doi/10.1017/S2040174424000400

Wiley KS, Kwon D, Knorr DA, Fox M. 2024. Regulatory T-cell phenotypes in prenatal psychological distress. *Brain, Behavior, and Immunity*, 116: 62-69. https://doi.org/10.1016/j.bbi.2023.11.033

Wiley KS, Gregg A, Fox M, Lagishetty V, Sandman C, Jacobs J, and Glynn L. 2024. Contact with caregivers is associated with composition of the infant gut microbiome across the first year of life. *American Journal of Biological Anthropology*, 183(4), e24858. https://doi.org/10.1002/ajpa.24858

Kwon D, Knorr DA, **Wiley KS**, Young S, Fox MM. 2024 Association of pica with cortisol and inflammation among Latina pregnant women. *American Journal of Human Biology*, e24025. https://doi.org/10.1002/ajhb.24025

Wiley KS, Knorr D, Chua C, Garcia S, and Fox M. 2023. Sociopolitical stressors are associated with psychological distress in a cohort of Latina women during early pregnancy. *Journal of Community Psychology*, 51(7): 3044-3059. https://doi.org/10.1002/jcop.23065

Wiley KS, Fox M, Gilder T, and 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*, 94(5): 1356-1367. https://doi.org/10.1111/cdev.13934

Chaney C and **Wiley KS**. 2023. The variable role of PFASs on biological aging by sex and reproductive stage. *Environmental Research*. 227: 115714. https://doi.org/10.1016/j.envres.2023.115714

Fox M, Knorr DA, Kwon D, **Wiley KS**, and Parrish MH. 2023. How prenatal cortisol levels relate to grandmother-mother relationships among a cohort of Latina women. *American Journal of Human Biology*, e23883. https://doi.org/10.1002/ajhb.23883

Wiley KS, Camilo C, Gouveia G, Euclydes V, Panter-Brick C, Matijasevich A, Ferraro A, Fracolli L, Chiesa A, Miguel E, Polanczyk G, Brentani H. 2023. Maternal distress, DNA methylation, and fetal programming of stress physiology in Brazilian mother-infant pairs. *Developmental Psychobiology*, 65 (1): e22352. https://doi.org/10.1002/dev.22352

Fox M, **Wiley KS**. 2022. How a pregnant woman's relationships with her siblings affect her mental health: a prenatal allocare perspective. *Evolution, Medicine, and Public Health*, 10(1): 1-20. https://doi.org/10.1093/emph/eoab044

Fox M, Lee SM, **Wiley KS**, Lagishetty V, Sandman CA, Jacobs JP, Glynn LM. 2021. Development of the infant gut microbiome predicts temperament across the first year of

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life. *Development and Psychopathology*, 1-12. https://doi.org/10.1017/S0954579421000456

Chaney C, Lopez M, **Wiley KS**, Meyer C, Valeggia C. 2019. Systematic review of chronic discrimination and changes in maternal biology during pregnancy in the United States. *Journal of Racial and Ethnic Health Disparities*, 6(6): 1208-1217. https://doi.org/10.1007/s40615-019-00622-8

Panter-Brick C, **Wiley KS**, Sancilio S, Dajani R, and Hadfield K. 2019. C-reactive protein, Epstein-Barr virus, and cortisol trajectories in refugee and non-refugee youth: Links with stress, mental health, and cognitive function during a randomized controlled trial. *Brain Behavior and Immunity*, 87: 201-217. https://doi.org/10.1016/j.bbi.2019.02.015

Sadruddin A, Zonderman A, Pontuga A, **Wiley KS**, Grimshaw A, and Panter-Brick C. 2019. How do grandparents influence child health and development? A systematic review. *Social Science and Medicine*, 239: 112476. https://doi.org/10.1016/j.socscimed.2019.112476

In review/revision

Gouveia G, Camila C, da Silva Braga CI, Nascimento K, Euclydes V, **Wiley KS**, Martinez R, Miguel EC, Martins Jr. DC, Polanczyk GV, and Brentani H. Influence of maternal cytokines on methylation programming of the oxytocin receptor gene at 12 months of age.

In preparation - selected

Wiley KS and Chaney C. The dual burden of air pollution and neighborhood deprivation on adolescent mental health.

Knorr DA, **Wiley KS**, Yen Y, Zhang R, Pisarska MD, Afshar Y, Tseng HR, Zhu Y, Fox MM. Measuring maternal-fetal conflict with a novel biomarker: Maternal immunoregulatory capacity may modulate fetal cellular communication.

*Co-first authored

CONFERENCE PRESENTATIONS

Oral Presentations

Rieman-Klingler M, Kwon D, Knorr DA; **Wiley KW**, Non AL, Fox MM. 2025. Familial social support predicts psychological health and immune function during pregnancy. Annual meeting of the Human Biology Association. (Flash Talk)

Wiley K and Chaney C. 2023. The joint contributions of air pollution and neighborhood deprivation on mental health trajectories in adolescence. Annual meeting of the International Society for Evolution, Medicine, and Public Health.

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Wiley K and Chaney C. 2023. The dual burden of air pollution and neighborhood deprivation on adolescent mental health. Invited plenary session of the annual meeting of the Human Biology Association.

Fox M, **Wiley K**, Kwon D, and Knorr D. 2023. Mothers' prenatal stress and anxiety are associated with impaired immunoregulation. Annual meeting of the Human Biology Association.

Wiley K, Knorr D, Kim D, and Fox M. 2022. A prenatal grandmother effect on cortisol trajectories across pregnancy. Annual meeting of the International Society for Evolution, Medicine, and Public Health.

Chaney C and **Wiley K**. 2022. The variable role of PFASs on biological aging by sex and reproductive stage. Annual meeting of the Human Biology Association.

Fox M, and **Wiley K***. 2021. How a pregnant woman's relationships with her siblings affect her mental health: a prenatal allocare perspective. Annual meeting of the International Society for Evolution, Medicine, and Public Health.

Wiley K, Camila C, Gouveia G, Euclydes V, Polanczyk G, Miguel E, and Brentani H. 2019. Hormonal and epigenetic mechanisms of prenatal stress and infant HPA axis physiology at 12-months. Annual meeting of the Human Biology Association.

Wiley K. 2018. Associations between hair cortisol during pregnancy and methylation of hypothalamic-pituitary-adrenal axis regulating genes in cord blood of Brazilian infants. Harvard-Yale Conference on Human Evolution.

Wiley K. 2017. Exposure to traumatic events and hair cortisol concentrations in a cohort of pregnant adolescents in urban Brazil. Harvard-Yale Conference on Human Evolution.

Bribiescas RG, **Wiley K**, Sancilio A, Panter-Brick C, Hawley NL, and McGarvey S. 2016. Is reproductive hormone function compromised in obese Samoan men? Annual meeting of the Human Biology Association.

Sancilio S, Dajani R, Eggerman M, Van Uum S, Ager A, Tesfaye B, Eick G, **Wiley** K, and Panter-Brick C. 2015. Do stress biomarkers track poverty, stress, and trauma? Evaluating war-affected youth. Annual meeting of the Human Biology Association.

Poster Presentations

Chaney C, **Wiley K**. 2025. Joint contribution of air pollution and neighborhood deprivation to trajectories of adolescent mental health in the ABCD Study. World Congress of the International Society of Developmental Origins of Health and Disease.

Wiley K, Solis A, Sireesha R, Heckert C. 2025. Border-community related stress and psychological distress during pregnancy among Latinas living at the United States-Mexico Border. Annual meeting of the Human Biology Association.

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Solis A, **Wiley K,** Heckert C. 2025. Immigration concerns for family and maternal health vulnerabilities. Annual meeting of the Human Biology Association.

Kwon D, **Wiley K**, Johnson L, Young S, Fox M. 2023. Association between pica during pregnancy and inflammation in Latina women. Annual meeting of the Human Biology Association.

Wiley K, Gregg A, Fox M, Lagishetty V, Sandman C, Jacobs J, and Glynn L. 2022. Physical contact with alloparents is associated with composition of the infant gut microbiome across the first of year of life. Annual meeting of the International Society for Evolution, Medicine, and Public Health.

Wiley K, Fox M, Gildner T, and Thayer Z. 2022. Pre-and postnatal maternal psychological wellbeing and infant socioemotional development during the COVID-19 pandemic. Annual meeting of the Human Biology Association.

Daiy K, **Wiley K**, Allen J, Bailey M, and Dettmer A. 2022. Associations between composition of the gut microbiome and cognition in infant Rhesus macaques. World Congress of the International Society for the Developmental Origins of Health and Disease.

Euclydes V, Gouveia G, Braga C, **Wiley K**, Polanczyk G, and Brentani H. 2022. Intrauterine stress exposures and infant telomere length are associated with neurodevelopmental scores at 12 months of life. World Congress of Psychiatric Genetics.

Gouveia G, Euclydes V, Braga C, **Wiley K,** Polanczyk G, and Brentani H. 2022. DNA methylation of stress-response HPA related genes could be programmed by prenatal stress exposures. World Congress of Psychiatric Genetics.

Wiley, K, Chua K, Knorr D, Garcia S, Fox M. 2021. Sociopolitical stressors and maternal mental health in the first trimester among a pregnant Latina population**.** Annual meeting of the Human Biology Association.

Wiley, K, Euclydes, V, Camilo, C, Gouveia, G, E, Polanczyk G, Miguel E, and Brentani, H. 2020. Lifetime exposure to traumatic stress and salivary cortisol levels in a cohort of first-time adolescent mothers. Annual meeting of the Human Biology Association. *Canceled due to COVID-19 Pandemic.*

Wiley, K, Euclydes, V, Camilo, C, Gouveia, G, E, Polanczyk G, Miguel E, and Brentani, H. 2019. The effects of prenatal stress on infant HPA axis function at 12-months: hormonal and epigenetic mechanisms. Annual meeting of the Human Biology Association.

Wiley K, Camilo C, Gouveia G, V Euclydes E, Polanczyk G, Miguel E, and Brentani H. 2018. Associations between maternal cortisol during pregnancy, methylation of glucocorticoid regulatory genes, and infant stress physiology at 12 months. Annual meeting of the International Society of Psychoneuroendocrinology.

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Wiley K, Miguel E, Polanczyk G, Euclydes V, and Brentani H. 2018. Associations between hair cortisol during pregnancy and methylation of hypothalamic-pituitary-adrenal axis regulating genes in cord blood of Brazilian infants. Annual meeting of the Human Biology Association.

Wiley K, Miguel E, Polanczyk G, Bastos E, Euclydes V, and Brentani H. 2017. Exposure to traumatic events and hair cortisol concentrations in a cohort of pregnant adolescents in urban Brazil. Annual meeting of the Human Biology Association.

Sancilio S, **Wiley K***, Eggerman M, Van Umm S, Elzagallaai A, and Panter-Brick C. 2017. Trauma exposure and hair cortisol in youth affected by the Syrian crisis. Annual meeting of the Human Biology Association.

Sancilio A, Dajani R, Eggerman M, Van Uum S, **Wiley K**, and Panter-Brick C. 2016. Can stress biomarkers demonstrate the effectiveness of a humanitarian intervention? An evaluation with Syrian refugee youth. Annual meeting of the Human Biology Association.

Silva ME and **Wiley K**. 2013. Blood Pressure and Salivary Cortisol Levels as Indicators of Stress in Undergraduate College Students. Annual meeting of the Human Biology Association.

**Presenting author*

TEACHING

Fall 2025	Instructor: Embodying Inequality: Biosocial Approaches to Inequality, Biology & Health, SOC 5341/6341, UT El Paso
Spring 2025	Instructor: Biological Anthropology, ANTH 3304, UT El Paso
Fall 2024	Instructor: Intro to Physical Anthropology & Archaeology, ANTH 1301, UT El Paso
Summer 2020	Teaching Assistant, Human Evolutionary Biology, ANTH 242, Yale University, Instructor: CR Valeggia
Spring 2020	Adjunct Instructor, Introduction to Biological Anthropology, ANT 102, Southern Connecticut State University Teaching Assistant, Human Evolutionary Biology, ANTH 242, Yale University, Instructor: RG Bribiescas
Fall 2019	Teaching Assistant, Primate Behavior and Ecology, ANTH 300, Yale University, Instructor: E Fernandez-Duque
Spring 2019	Teaching Assistant, Human Evolutionary Biology, ANTH 242, Yale University, Instructor: CR Valeggia
Fall 2018	Teaching Assistant, Primate Behavior and Ecology, ANTH 300, Yale University, Instructor: E Fernandez-Duque
Sprig 2018	Teaching Assistant, Human Evolutionary Biology, ANTH 242, Yale University, Instructor: CR Valeggia
Fall 2017	Teaching Assistant, Introduction to Biological Anthropology, ANTH 116, Yale University, Instructor: DP Watts

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Spring 2017 Teaching Assistant, Sex, Love and Reproduction, ANTH 132, Yale University, Instructors: CR Valeggia and E Fernandez-Duque
Fall 2016 Teaching Assistant, Evolutionary Biology of Women's Reproductive Lives, ANTH 230, Yale University, Instructor: CR Valeggia

INVITED PRESENTATIONS AND LECTURES

2025. Building a Research Career as a Junior Scholar. Department of Sociology & Anthropology Colloquium Series. University of Texas at El Paso.

2025. Embodiment of Stress in the Perinatal Period. Department of Psychology Colloquium Series. University of Texas at El Paso.

2025. Impacts of Social, Political, and Traumatic Stress on Maternal and Infant Health. Interdisciplinary Colloquium Series. University of Texas at El Paso.

2024. Embodiment of Stress and Trauma in the Perinatal Period. Behavior, Evolution, and Culture Colloquium. Department of Anthropology. University of California, Los Angeles.

2023. Social Determinants of Health: The Developmental Origins of Disease. Anthro 450. Evolutionary Medicine & Public Health- University of New Mexico (Instructor Siobhan Mattison).

2023. Stress and Embodiment in the Perinatal Period. Dr. Andrew Kim Lab Summer Seminar Series- University of California, Berkeley.

2022. Epigenetics in Social Health Inequalities. Presented and led discussion in EVANTH 390- Human Biological Variation- Duke University (Instructor Elaine Guevara).

2020. Epigenetics. Presented in spring and summer sessions of ANTH 242 Human Evolutionary Biology- Yale University (Instructor Claudia Valeggia).

2018. Translational Models of the Social Gradient in Health. Presented in ANTH 300- Primate Behavioral Ecology Course, Yale University (Instructor Eduardo Fernandez-Duque).

2017. Stress and Health. Presented in ANTH 242- Human Evolutionary Biology, Yale University. (Instructor Claudia Valeggia).

ACADEMIC SERVICE

2024-2026 Member, Nominations & Elections Committee, Human Biology Association
2023 Co-organizer, Invited Plenary Session- Biosocial Perspectives on Life in Urban Environments, Annual meeting of the Human Biology Association
2022-Present Table Leader, Student Reception and Q&A, Human Biology Association
2021 Panelist, Virtual Job Seeking Workshop, Human Biology Association
2018 Co-organizer, Harvard-Yale Conference on Human Evolution, Yale University

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Invited Reviewer
Journal of Affective Disorders, American Journal of Biological Anthropology, American Journal of Human Biology, Archives of Women's Mental Health, Journal of Child Psychology and Psychiatry, Archives of Clinical Psychiatry (São Paulo), Comprehensive Psychoneuroendocrinology, Development and Psychopathology, Developmental Psychobiology, Epigenetics, Maternal and Child Health Journal, Maternal and Child Nutrition, Neurobiology of Stress, Social Science and Medicine, Yale Journal of Biology and Medicine

PROFESSIONAL ASSOCIATIONS AND AFFILIATIONS
Human Biology Association
Society for Biopsychosocial Science and Medicine

REFERENCES
Dr. Molly Fox
Associate Professor
Department of Anthropology
University of California, Los Angeles
Email: mollyfox@ucla.edu
Phone: 310-206-4589

Dr. Catherine Panter-Brick
Bruce A. and Davi-Ellen Chabner Professor of Anthropology, Health, and Global Affairs
Department of Anthropology and the Jackson Institute for Global Affairs
Yale University
Email: catherine.panter-brick@yale.edu
Phone: 203-645-0164

Dr. Claudia Valeggia
Professor of Anthropology
Department of Anthropology
Yale University
E-mail: claudia.valeggia@yale.edu
Phone: 203-432-3685

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