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Keywords: human biology, biocultural anthropology, microbiome, obesity and metabolic health, maternal and child health, developmental origins of health and disease (DOHaD)

EDUCATION

- 2018-present **Yale University**
Ph.D in Anthropology
Master of Philosophy (M.Phil) in Anthropology
Dissertation title: *Industrialized ecologies and infant gut microbiome development in Samoa: complementary feeding patterns and antibiotic exposure*
Dissertation Committee: Claudia Valeggia, Nicola Hawley, Katherine Amato and Richard Bribiescas
- 2014-2018 **Texas A&M University**
B.A. in Anthropology, minor in Biology, *magna cum laude*, Phi Beta Kappa
Thesis title: *The impact of social norms on behavior: solving the 'spurious correlation' dilemma*
Advisor: Michael Alvard

PUBLICATIONS

**joint authorship*

- 2022 **Daiy, K.**, Harries, V., Nyhan, K., & Marcinkowska, U. M. (2022). Maternal weight status and the composition of the human milk microbiome: A scoping review. *PLoS One*, 17(10), e0274950. <https://doi.org/10.1371/journal.pone.0274950>
- 2022 **Daiy, K.**, Frieson, T., Palacio-Londono, L., Barnes, I., Olmedo, S., Aranda, P., ... & Valeggia, C. (2022). Body norms, body image, and media in a market-integrating indigenous population in Argentina: A mixed-methods investigation. *American Journal of Human Biology*, e23813. <https://doi.org/10.1002/ajhb.23813>
- 2021 Alvard, M., & **Daiy, K.** (2021). A naturalistic study of norm conformity, punishment, and the veneration of the dead at Texas A&M University, USA. *Human Nature*, 32(3), 652-675. <https://doi.org/10.1007/s12110-021-09413-9>
- 2020 Hoi A.G*., **Daiy K.***, Altman R., Venners S., Valeggia C.R., Nepomnascy P. Postpartum amenorrhea duration by sex of the newborn in two natural fertility populations. *American Journal of Physical Anthropology*. <https://doi.org/10.1002/ajpa.24193>
- 2019 **Daiy K.**, Arslanian K., Lagranja E.S., Valeggia C.R. Perceptions of the healthiest body in a market-integrating indigenous population in Argentina: fat idealization and gendered generational differences. *American Journal of Human Biology*. <https://doi.org/10.1002/ajhb.23382>
- In review **Daiy K.***, Arslanian K.*, Choy C., Manuele-Magele A., Soti-Ulberg C., Hromi-Fiedler A., Hawley N.*, Rafael Pérez-Escamilla*. Consensus-building during the Becoming Breastfeeding Friendly (BBF) initiative: a qualitative content analysis, *PLoS Global Public Health*.
- In preparation **Daiy K.**, Wiley K., Allen J., Bailey MT., Dettmer A. The infant gut microbiome, rearing environment, neurodevelopment, and cognitive development in a non-human primate model (*Macaca Mulatta*). *Journal of Developmental Origins of Health and Disease*.

In preparation

Daiy K., Wiley K., Allen J., Bailey MT., Dettmer A. The hypothalamic-pituitary adrenal (HPA) axis function and the infant gut microbiome in a non-human primate model (*Macaca Mulatta*).

CONFERENCE PAPERS AND PRESENTATIONS

Submitted

Daiy K., Wiley K., Allen J., Bailey MT., Dettmer A. Hair cortisol levels and gut microbiome alpha diversity in infant rhesus macaques (*Macaca Mulatta*): an exploratory analysis. (Poster Presentation) American Association of Biological Anthropologists Annual Meeting. Reno, NV, USA.

2022

Daiy K., Wiley K., Allen J., Bailey MT., Dettmer A. The infant gut microbiome, rearing environment, neurodevelopment, and cognitive development in a non-human primate model (*Macaca Mulatta*). Poster Presentation. Developmental Origins of Health and Disease (DOHaD) World Congress. Vancouver, BC, Canada.

2022

Daiy, K., Harries, V., Vesi, L., Savusa, K., Reupena, A., Tafunaina, F., ... & Hawley, N. (2022, March). Postpartum maternal nutrition and infant body size in Samoan mother-infant dyads at 2-4 months. Poster Presentation. Human Biology Association Annual Meeting. Denver, Colorado, USA. In *American Journal Of Human Biology* (Vol. 34).

2021

Daiy, K., Frieson, T., Palacio-Londono, L., Barnes, I., Olmedo, S. I., Aranda, P., Cirigliano F., Valeggia, C. (2021, March). Use of social media and digital technologies and perceptions of body size in a market-integrating population in Argentina. Poster Presentation. In *American Journal of Human Biology* (Vol. 33)..

2020

Daiy K., Arslanian, K., Lagranja, E.S., Valeggia, C.R. Perceptions of the healthiest body in a market-integrating indigenous population in Argentina: Fat idealization and gendered generational differences (Accepted). Poster Presentation. Human Biology Association Annual Meeting; Los Angeles, CA, USA.

2019

Levy, S. B., **Daiy, K.**, Harries, V., Cassell, K., Moore, J., Londono, L. P., & Bribiescas, R. G.. An assessment of urinary triiodothyronine (uT3) levels as a biomarker of energy balance: preliminary data from the Biomarkers of Energy Balance and Expenditure Study (BEBES). Poster Presentation. In *American Journal of Human Biology* (Vol. 32).

INVITED TALKS

2022

Daiy K., Harries V., Vesi L., Savusa K., Reupena A., Tafunaina F., Naseri T., Soti-Ulberg C., Abrahms J., Laffargue E, Hawley N. Maternal postpartum diet, the breast milk and infant gut microbiome, and infant growth in Samoan mother-infant dyads. (Oral Presentation) Downs Fellowship Symposium. Yale School of Public Health, New Haven, CT, USA.

2021

Podcast Speaker -- Niclou A. (Host), Hurd K., To S., **Daiy K.**, Cullin J. Arslanian K., Fat Talk: How anthropologists approach the topics of obesity, fat bias, and body image in different cultural and health contexts. (Podcast). American Anthropological Association (AAA) Annual Meeting. Baltimore, MD, USA.

MEDIA COVERAGE

News-Medical

Sidharthan C (2022, October 5). What is the association between maternal weight status and the composition of the milk microbiome? *News-Medical.Net*.
<https://www.news-medical.net/news/20221005/What-is-the-association-between-maternal-weight-status-and-the-composition-of-the-milk-microbiome.aspx>

FUNDING

External funding

2021	Wenner-Gren Dissertation Fieldwork Grant – “ <i>Exposures shaping infant gut microbiome development and growth in Samoa: complementary feeding and antibiotic exposure</i> ” (\$16,650)
2021	National Science Foundation Doctoral Dissertation Improvement Grant (NSF DDIG) – “ <i>Industrialized ecologies and infant gut microbiome development in Samoa: complementary feeding patterns and antibiotic exposure</i> ” (\$19,980)
2020	National Science Foundation Graduate Research Fellowship (NSF GRFP) (\$34,000)
2020	Trainee Travel Fund, International Society for Research in Milk and Lactation (ISRHML) (\$10,000)

Internal funding

2022	Graduate Student Assembly (GSA) Conference Travel Fund, Yale Graduate School of Arts and Sciences, Yale University (\$750)
2022	Schwartz Conference Travel Fund (\$2000), Department of Anthropology, Yale University
2020	Downs International Health Student Travel Fellowship, Yale School of Public Health (\$3,400)
2019	Yale Institute for Biospheric Studies (YIBS) Graduate Research Award (\$900)
2019	Smith Fund, Department of Anthropology, Yale University (\$8,000)
2019, 2020	American Association of Biological Anthropology Pulitzer Travel Award (\$500)

TEACHING

Spring 2022-present	Certificate of College Teaching Preparation (CCTP), Poorvu Center for Teaching and Learning, Yale University <ul style="list-style-type: none">• Participates in weekly workshops and semester-long learning communities on pedagogical frameworks, inclusive and equitable teaching, lecture preparation, and mentorship.• Attends classroom observations, develops a working Teaching Portfolio, with two sample syllabi, student evaluations, and teaching statement for completion of certificate.
Spring 2021	Teaching Fellow , Evolutionary Biology of Women’s Reproduction (ANTH 230), Yale University
Fall 2020	Teaching Fellow , Human Evolutionary Biology (ANTH S242), Yale University Summer Session
Summer 2020	Teaching Fellow , Human Evolutionary Biology (ANTH 242), Yale University
2018-present	Writing Partner , Poorvu Center for Teaching & Learning, Yale University <ul style="list-style-type: none">• Provides individualized, weekly writing mentorship to undergraduate students.
2018	Conversation Partner , Yale Summer Academic Language Program <ul style="list-style-type: none">• Led and developed activities for daily English-language conversation groups for non-native English-speaking PhD students.

RESEARCH ASSISTANTSHIPS AND LEADERSHIP

- 2021-present **PI**, The Infant Microbiome (“Little Friends”) Study, OLaGA Study Group, Apia, Samoa
- 2020 **Co-PI**, The Breast Milk and Microbiome (BMM) Study: Breast milk composition, the infant gut microbiome, and breastfeeding knowledge in Samoan mothers at 2-4 months postpartum, OLaGA Study Group, Apia, Samoa
- 2019-present **Research Assistant**, “Becoming Breastfeeding Friendly” Global Initiative, Yale School of Public Health
- 2020 **Research Assistant**, The Biomarkers of Energy Balance Study (BEBES), Yale Reproductive Ecology Laboratory, Yale Department of Anthropology

ACADEMIC SERVICE

- 2021 **Mentor/Mentee**, Women in Science at Yale (WISAY) Mentoring Program, Yale University
- 2021 **Committee Member**, Academic Advising Guidelines Committee, Department of Anthropology, Yale University
- 2020 **Representative for Department of Anthropology**, Graduate Student Assembly, Yale University
- 2019 **Panel Coordinator**, Equity in the Job Search Symposium, Yale University
- 2019-present **Organizer**, Biological Anthropology Writing Group, Yale University
- 2019 **Co-Organizer**, Brown Beer Lecture Series, Department of Anthropology, Yale University

COMMUNITY SERVICE

- 2019 **Workshop Leader**, Girls’ Science Investigations, Yale University
- 2019 **Writing Tutor**, STEM Mentors, Yale University

ACADEMIC AFFILIATIONS

- 2022 Microbes and Social Equity Group, Multiple Institutions
- 2019-present Samoan Obesity, Lifestyle and Genetic Adaptations (OLAGA) Study Group, Yale School of Public Health, Yale University
- 2018-present Yale Reproductive Ecology Laboratory, Yale University
- 2020 Mammalian Microbiome Research Group, Multiple Institutions
- 2018-present Chaco Area Reproductive Ecology (CARE) Program, Formosa, Argentina
- 2018-present Yale Council on Latin American & Iberian Studies, Yale University

UNDERGRADUATE STUDENTS MENTORED

Tomeka Frieson
 Ivana Barnes
 Laura Palacio-Londono
 Ellie Laffargue
 Natalie Cassello

LANGUAGE

Spanish Advanced reading, writing and speaking proficiency
 French Advanced reading, writing and speaking proficiency

TECHNICAL SKILLS

R, SPSS, SAS, QIIME

PROFESSIONAL MEMBERSHIP

American Association of Physical Anthropologists

Human Biology Association

American Anthropological Association

International Society for Research in Human Milk and Lactation