

Kathrine E. Starkweather, Ph.D.

Curriculum Vitae

03/08/2023

Kathrine Starkweather
University of Illinois Chicago
Department of Anthropology
Chicago, IL
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AREAS OF SPECIALIZATION

Sexual Division of Labor • Parental Investment • Maternal and Child Health • Climate and Ecological Change • Household Economics • Growth and Nutrition • Life History Theory

PROFESSIONAL APPOINTMENTS

2021 - Assistant Professor, University of Illinois Chicago, Department of Anthropology
2018 - 2020 NSF SBE Postdoctoral Research Fellow, University of New Mexico, Department of Anthropology (Mentor: M Emery Thompson), Grant #1809186
2016-18 Postdoctoral Research Fellow, Max Planck Institute for Evolutionary Anthropology, Department of Human Behavior, Ecology, and Culture

EDUCATION

2016 Ph.D., Anthropology, University of Missouri, Columbia, MO
Dissertation: *Merchant Mothers and Fisherman Fathers: Parental Investment and Subsistence Work Among the Shodagor of Bangladesh*
Advisor: Dr. Mary Shenk
2010 M.A., Anthropology, University of Nebraska, Lincoln, NE
Thesis: *A Survey of Non-Classical Polyandry*
Advisor: Dr. Raymond Hames
2005 B.A., Psychology, West Texas A&M University, Canyon, TX

FIELD RESEARCH PROJECTS

2011 - Shodagor Longitudinal Health and Demography Project, Matlab, Bangladesh (Director)
Local collaborators: Nurul Alam, Taslim Ali, ICDDR,B, Fatema tuz Zohora
Funders: Wenner-Gren Foundation, Max Planck Institute, NSF
2017 - Kunene Rural Health and Demography Project, Namibia (Collaborating Researcher)
Directors: Brooke Scelza, Jacob Sheehama, Sean Prall
Funders: NSF, Max Planck Institute, others

RESEARCH GRANTS AND FELLOWSHIPS (external awards with asterisk)

- Pending *National Institutes of Health (R03), *Seasonal Trends in Respiratory Virus Transmission and Burden in a Tropical-Living Community*. Submitted on June 12, 2022. (Proposed amount: \$100,000). Role: PI. Co-PI: A Hazel.
- 2022 *National Science Foundation, *The Seasonal Behavioral Ecology of Respiratory Disease in a Tropical, Subsistence-Based Community*. Submitted on August 16, 2021. (Proposed amount: \$384,308). Role: PI. Co-Is: A Hazel, N Alam, R Raqib.
- 2021 UIC LAS Committee on Social Science Research, Grant Development Fund (\$5,000).
- 2018 *National Science Foundation, SBE Postdoctoral Research Fellowship #1809186 (\$148,000). *Variation in Women's Economic Tradeoffs and Risk Preferences*. Role: PI. Co-PIs: M Emery Thompson.
- 2015 University of Missouri, John D. Bies International Travel Scholarship (\$1,725).
- 2015 University of Missouri, H. Clyde Wilson Opportunities for Excellence Award (\$1,100).
- 2012 *Wenner-Gren Foundation, Dissertation Fieldwork Grant #8578 (\$20,000). *Merchant Mothers and Fisherman Fathers: Subsistence work and parental investment among the boat-dwelling Shodagor*. Role: PI. Co-PI: M Shenk
- 2012 *University of Wisconsin, Foreign Language Area Studies Fellowship, SASLI (\$7,000).
- 2011 *National Science Foundation, REG Award #1132998 (\$5,000). *Beday Pilot Study*.
- 2008-09 University of Nebraska, Reece Fund Fellowship (\$1,000).

AWARDS

- 2019 Best Paper by a New Investigator, Evolutionary Anthropology Society, *American Anthropology Association Annual Meeting*, Vancouver, BC.
- 2011 Best Student Paper, Evolutionary Anthropology Society, *American Anthropology Association Annual Meeting*, Montreal, Quebec.
- 2009 Best Graduate Paper, Anthropology, *Nebraska Academy of Sciences Annual Meeting*, Lincoln, NE

PUBLICATIONS

Peer-Reviewed Publications

- In revision Page, Abigail E, E Ringen, J Koster, M Borgerhoff Mulder, K Kramer, M Shenk, J Stieglitz, **Starkweather, Kathrine E.**, J Ziker, AH Boyette, H Colleran, C Moya, J Du, S Mattison, R Greaves, C Sum, R Lui, S Lew-Levy, F Kiabiya Ntamboudila, S Prall, M Towner, T Blumenfield, AB Migliano, D Major-Smith, M Dyble, GD Salali, N Chaudhary, I Derkx, C Ross, B Scelza, M Gurven, B Winterhalder, C Cortez, L Pacheco-Cobos, R Schacht, SJ Macfarlan, D Leonetti, JC French, N Alam, F tuz Zohora, and Sear, Rebecca. Subsistence strategy does not predict fertility at the group level, but women who farm have more children. *Science*.
- In revision Ross, Cody T., PL Hooper, JE Smith, E Alden Smith, S Gavrilets, J Ziker, F tuz Zohora, D Xygalatas, EE Wroblewski, B Wood, B Winterhalder, AK Willard, KP Willfürer, K Walker, C von Rueden, B Vaitla, E Voland, C Valleggia, S Urlacher, M Towner, KB Strier, **Kathrine E. Starkweather**, C Sum, S Scaggs, L Sugiyama, D Smith, J Salerno, M Shenk, E Seabright, R Sear, R Schacht, B Scelza, C Revilla-Minaya, D Redhead, F Madimenos, BG Purzycki, A Pisor, A Pusey, S Perry, A Page, EA Power, J Pettay, L Pacheco Cobos, S Oh, K Oths, D Nolin, D Nettle, C Moya, RA McNamara, R McElreath, F Marlowe, KJ Mertens, S Macfarlan, A Migliano, S Mattison, E Massengill, R Liu, S Lew-Levy, J Lanning, V Lummaa, M Liebert, R Lizarralde, P Leslie, K Kramer, J Koster, HS Kaplan, AV Jaeggi, AM Hurtado, B Hewlett, T Headland, J Headland, S Helle, K Hill, M Gurven, R Greaves, CD Golden, G Grimalda, M Gibson, I Godoy, C El

- Mouden, P Draper, M Dyble, S Downey, AL DeMarco, M Dapitia, HE Davis, S Crabtree, J Clark, H Colleran, C Cortez, E Cohen, G Clark, MA Caudell, CE Carminito, J Bayarsaikhan, J Bunce, S Bowles, N Blurton-Jones, B Beheim, S Beckerman, A Boyette, T Blumenfeld, Q Atkinson, C Apicella, N Alam, and Monique Borgerhoff Mulder. Reproductive inequality in humans and other mammals. *Proceedings of the National Academy of Sciences*.
- 2022 **Starkweather, Kathrine E.**, Keith, Monica H., Zohora, Fatema tuz, and Alam, Nurul. Impacts of climate-induced flooding on household nutrition, child growth, and adult body mass in a Shodagor fishing community. *American Journal of Human Biology*.
- 2022 **Starkweather, Kathrine E.**, Reynolds, Adam Z., Zohora, Fatema tuz, and Alam, Nurul. Shodagor women cooperate across domains of work and childcare to solve an adaptive problem. *Philosophical Transactions of the Royal Society*.
- 2021 Scelza, Brooke A., Prall, Sean P., **Starkweather, Kathrine E.** The role of spousal separation on gender and sexuality norms among Himba pastoralists. *Social Sciences*.
- 2021 **Starkweather, Kathrine E.**, Keith, Monica H., Prall, Sean P., Alam, Nurul, and Emery Thompson, Melissa. Paternal care and growth rates in Shodagor children. *Developmental Psychobiology*.
- 2021 Hames, Raymond B., and Starkweather, Kathrine E. Polyandry. In G. Ritzer and C. Rojek (Eds.) *The Blackwell Encyclopedia of Sociology*. John Wiley & Sons, Ltd.
- 2020 **Starkweather, Kathrine E.**, Shenk, Mary K., and McElreath, Richard. Biological constraints and socioecological influences on women's pursuit of risk and the sexual division of labor. *Evolutionary Human Sciences*.
- 2020 Reynolds, Adam Z., Wander, Katherine, CY Sum, M Su, M Emery Thompson, PL Hooper, H Li, MK Shenk, **Starkweather, Kathrine E.**, T Blumenfeld, Mattison, Siobhan M. Matriliney reverses gender disparities in inflammation and hypertension among the Mosuo of China. *Proceedings of the National Academy of Sciences*.
- 2020 Broesch, Tanya, Crittenden, Alyssa N., BA Beheim, AD Blackwell, JA Bunce, H Colleran, K Hagel, M Kline, R McElreath, RG Nelson, AC Pisor, S Prall, I Pretelli, B Purzycki, EA Quinn, C Ross, BA Scelza, **Starkweather, Kathrine E.**, J Steiglitz, and Borgerhoff Mulder, Monique (2020). Navigating cross-cultural research: methodological and ethical considerations. *Proceedings of the Royal Society, B*.
- 2020 Scelza, BA, Prall, SP, and **Starkweather, Kathrine E.** Paternity confidence and social obligations explain men's allocations to romantic partners in an experimental giving game. *Evolution and Human Behavior*. <https://doi.org/10.1016/j.evolhumbehav.2019.10.007>
- 2019 **Starkweather, Kathrine E.** and Keith, Monica H. One piece of the matrilineal puzzle: The socioecology of maternal uncle investment. *Philosophical Transactions of the Royal Society*, 374. <https://doi.org/10.1098/rstb.2018.0071>
- 2019 Scelza BA, Prall SP, Blumenfeld T, Crittenden A, Gurven M, Kline M, Koster J, Kushnik G, Mattison S, McElreath R, Pillsworth E, Shenk M, **Starkweather Kathrine E.**, Stieglitz J, Yamaguchi K. Patterns of Paternal Investment Predict Cross-Cultural Variation in Jealous Response. *Nature Human Behavior*. <https://doi.org/10.1038/s41562-019-0654-y>
- 2018 **Starkweather, Kathrine E.** and Keith, Monica H. Estimating Impacts of the Nuclear Family and Heritability of Nutritional Outcomes in a Boat-Dwelling Community. *American Journal of Human Biology*, 30, e23105.
- 2017 **Starkweather, Kathrine E.** Shodagor Family Strategies: Balancing work and family on the water. *Human Nature*, 28, 138-166.
- 2017 Anderson, Kermyt G and **Starkweather, Kathrine E.** Parenting strategies in modern and emerging economies: Introduction to a special issue. *Human Nature*, 28, 133-137.

- 2016 **Starkweather, Kathrine E.** Offspring Diversity Hypothesis. In T.K. Shackelford and V.A. Weekes-Shackelford (Eds.) *Encyclopedia of Evolutionary Psychological Science*. Springer.
- 2016 **Starkweather, Kathrine E.** Variance in Female Reproductive Success. In T.K. Shackelford and V.A. Weekes-Shackelford (Eds.) *Encyclopedia of Evolutionary Psychological Science*. Springer.
- 2016 **Starkweather, Kathrine E.** and Munds, Rachel A. Mating patterns. *International Encyclopedia of Primatology*. Wiley-Blackwell.
- 2014 Shenk, Mary K., Towner, Mary C., **Starkweather, Kathrine E.**, Atkisson, Curtis J., and Alam, Nurul. The evolutionary demography of sex ratios in rural Bangladesh. In Gibson, M.A. & Lawson, D.W. (Eds.) *Applied Evolutionary Anthropology: Darwinian Approaches to Contemporary World Issues*. Springer.
- 2013 Shenk, Mary K., **Starkweather, Kathrine E.**, and Kress, Howard. Does absence matter? A comparison of three types of father absence in rural Bangladesh. *Human Nature*, 24: 76-110.
- 2012 **Starkweather, Kathrine E.** and Hames, Raymond B. A Survey of Non-Classical Polyandry. *Human Nature*, 23: 149-172.
- 2009 **Starkweather, Kathrine E.** A Preliminary Survey of Lesser-Known Polyandrous Societies. *Nebraska Anthropologist*. 24: 17-36.

Manuscripts in Progress

- In prep **Starkweather, Kathrine E.** and Keith, Monica H. Shodagor women's work and child illness.

Other Publications

- 2017 Starkweather, Kathrine E. Evolutionary anthropology graduate programs III. *Anthropology News* online, October 15, 2017.
- 2017 Starkweather, Kathrine E. Evolutionary anthropology graduate programs. *Anthropology News* online, February 28, 2017.
- 2016 Starkweather, Kathrine E. Evolutionary anthropological approaches to the study of religion. *Anthropology News*, 57 (10).
- 2012 Starkweather, Kathrine E. and Mattison, Siobhan M. Keeping up with the literature, Part I. *Anthropology News*, 55 (5).
- 2012 Starkweather, Kathrine E. and Mattison, Siobhan M. Keeping up with the literature, Part II. *Anthropology News*, 55 (12).

INVITED LECTURES

- 2022 "How Women's Trade-offs Shape Biology: Evolutionary implications for work, childcare, and health." Presented for the Arizona State University School of Human Evolution and Social Change.
- 2021 "How Women's Subsistence Work Shapes Biology: Impacts of Shodagor women's work on health and development." Presented for the University of New Mexico Department of Anthropology's Colloquium Series.
- 2020 "How Women's Subsistence Work Shapes Biology: Impacts of Shodagor women's work on health and development." Presented for the University of Illinois Chicago, Department of Anthropology, February 10, 2020.
- 2020 "How Women's Subsistence Work Shapes Biology: Impacts of Shodagor women's work on health and development." Presented for Washington University, Department of Anthropology, January 23, 2020.

- 2019 “Why Risk It? Health Outcomes of Shodagor Women’s Work.” Presented for the University of California, Los Angeles, Center for Behavior, Evolution, and Culture. April 29, 2019.
- 2019 “Why Risk It? Health Outcomes of Shodagor Women’s Work.” Presented for the University of Notre Dame, Department of Anthropology. February 11, 2019.
- 2019 “Reproductive Decision-Making and Health Outcomes of Shodagor Women’s Work.” Presented for the Western Washington University, Department of Anthropology. February 4, 2019.
- 2019 “Why Risk It? Health Outcomes of Shodagor Women’s Work.” Presented for the New College of Florida, Department of Anthropology. January 18, 2019.
- 2017 “Beyond Childcare: Women’s Roles in the Household Economy.” Presented for the University of New Mexico, Department of Anthropology. September 18, 2017.
- 2017 “Variance and the Sexual Division of Labor Among the Shodagor of Bangladesh.” Presented for The Dynamics of Gender in Matrilineal Kinship Systems Workshop. University of New Mexico, Department of Anthropology.
- 2015 “Polyandry and Polygyny: When Multiple Marriage Makes Sense.” Presented for the Chief of Naval Operation’s Strategic Studies Group at the Naval War College in Newport, RI.
- 2015 “Shodagor Family Strategies: Balancing Work and Family on the Water.” Presented for the University of Utah, Department of Anthropology.

CONFERENCE PRESENTATIONS

- 2022 **Kathrine E. Starkweather**, Keith, Monica H., tuz Zohora, Fatema, and Alam, Nurul. Biological and economic impacts of climate change: Nutritional outcomes of the 2017 Bangladeshi floods on Shodagor fishing families. Presented at the *International Congress of Physiological Anthropology 2022*, virtual.
- 2021 **Kathrine E. Starkweather**, Keith, Monica H., Prall, Sean P., tuz Zohora, Fatema, Alam, Nurul, and Emery Thompson, Melissa. Are fathers a good substitute for mothers? Paternal care and growth rates in Shodagor children. Presented at *American Anthropological Association, 120th Annual Meeting*, Baltimore, MD.
- 2021 **Kathrine E. Starkweather**, Keith, Monica H., Prall, Sean P., tuz Zohora, Fatema, Alam, Nurul, and Emery Thompson, Melissa. Are fathers a good substitute for mothers? Paternal care and growth rates in Shodagor children. Presented at *Human Behavior and Evolution Society, 33rd Annual Meeting*, virtual.
- 2021 **Kathrine E. Starkweather** and Reynolds, Adam Z. Women’s subsistence cooperation in a traditionally boat-dwelling society. Presented at *American Association of Physical Anthropology, 90th Annual Meeting*, virtual.
- 2021 **Kathrine E. Starkweather**, Keith, Monica H., Prall, Sean P., tuz Zohora, Fatema, Alam, Nurul, and Emery Thompson, Melissa. Are fathers a good substitute for mothers? Paternal care and growth rates in Shodagor children. Presented at *Human Biology Association, 46th Annual Meeting*, virtual.
- 2019 **Kathrine E. Starkweather** and Keith, Monica H. Mother’s work and child illness: Disease ecology of Shodagor women’s work. Presented at *American Anthropology Association Annual Meetings*, Vancouver, BC.
- 2019 Keith, Monica H. and **Starkweather, Kathrine E.** The socioecology of maternal uncle investment in a bilateral, semi-nomadic community. Presented at *American Association of Physical Anthropology 88th Annual Meeting*, Cleveland, Ohio.
- 2018 **Starkweather, Kathrine E.** and Reynolds, Adam Z. Why risk it? The social and biological benefits for Shodagor women of opting for a higher-risk subsistence strategy. Presented at *American Anthropology Association Annual Meetings*, San Jose, CA.

- 2017 **Starkweather, Kathrine E.** and McElreath, Richard. Young, but not too young: Mother's economic autonomy and daughters' age at marriage and first birth. Presented at *American Anthropology Association Annual Meetings*, Washington, DC.
- 2017 **Starkweather, Kathrine E.**, Shenk, Mary K., and McElreath, Richard. Risk and the sexual division of labor: Women's selling among the Shodagor. Presented at *Human Behavior and Evolution Society 28th Annual Meeting*, Boise, ID.
- 2017 Ahsan, Monica A. and **Starkweather, Kathrine E.** Effects of genetics and the nuclear family environment on Shodagor health. Presented as a poster at *American Association of Physical Anthropology 86th Annual Meetings*, New Orleans, LA.
- 2016 **Starkweather, Kathrine E.** and Shenk, Mary K. Risk and the sexual division of labor: Women's selling and men's parenting among the Shodagor. Presented at *American Anthropology Association Annual Meetings*, Minneapolis, MN.
- 2016 **Starkweather, Kathrine E.** and Ahsan, Monica A. Effects of different family economic strategies on individual family members' health among the boat-dwelling Shodagor. Presented as a talk and a poster at *American Association of Physical Anthropology 85th Annual Meetings*, Atlanta, GA.
- 2015 **Starkweather, Kathrine E.** Production and Reproduction: Complementarity Among the Shodagor of Bangladesh. Presented at *American Anthropology Association Annual Meetings*, Denver, CO.
- 2015 **Starkweather, Kathrine E.** Production and Reproduction: Complementarity Among the Shodagor of Bangladesh. Presented at *Human Behavior and Evolution Society 26th Annual Meeting*, Columbia, Missouri.
- 2012 **Starkweather, Kathrine E.**, Shenk, Mary K., and Kress, Howard. Does absence matter? A comparison of three types of father absence in rural Bangladesh. Presented at *American Anthropology Association Annual Meetings*, San Francisco, CA.
- 2011 **Starkweather, Kathrine E.** and Hames, Raymond B. A Survey of Non-Classical Polyandry. Presented at *American Anthropology Association Annual Meetings*, Montreal, Quebec.
- 2011 **Starkweather, Kathrine E.** and Hames, Raymond B. A Survey of Non-Classical Polyandry. Presented at *Human Behavior and Evolution Society 22nd Annual Meeting*, Montpellier, France.

COLLABORATIVE PROJECTS

- 2021 - Cross-Cultural Examinations of Fertility and Subsistence (Collaborating Researcher)
PIs: A Page, R Sear
- 2017 - Economic Network Dynamics and the Origins of Wealth (ENDOW) Project
(Collaborating Researcher)
PIs: J Koster, P Hooper, S Bowles, M Jackson, M Borgerhoff Mulder
Funding: National Science Foundation (Grant # SMA-1743019)
- 2017 - Marital Assortment and Inequality Project (Collaborating Researcher)
PIs: M Shenk, D Nolan

TEACHING AND OTHER RESEARCH EXPERIENCE

At the University of Illinois, Chicago:

Instructor: Human Reproductive Ecology; Culture, Medicine, and Society; Biology of Women;
Preparing for a Post-PhD Career (graduate seminar)

At the University of Missouri:

Instructor: Introduction to Anthropology; Multiculturalism
Teaching Assistant: Cultural Anthropology

At the University of Nebraska:

Teaching Assistant: Introduction to Anthropology; Cultural Anthropology

Other Relevant Experience

2015-16 Tutor and Academic Mentor, Athletic Department, University of Missouri
2007-08 Teacher, 2nd and 3rd grade English, Universe American School, Chaiyi, Taiwan
2005-07 Assistant volleyball coach, Hastings College, Hastings, NE

MENTORSHIP

Graduate

Advisor Alannah Templon, UIC Anthropology (UIC University Fellowship recipient, in progress)
Sonia Saxon, UIC Anthropology (UIC University Fellowship recipient, in progress) (co-advised by Dr. Molly Doane)
Mayisha Mou, UIC Anthropology (in progress) (co-advised by Dr. Molly Doane)

Committee member Ben Schaffer, UIC Anthropology (in progress)
Pamela Whyms, UIC Anthropology (in progress)
Caitlin Monesmith, UIC Anthropology (in progress)

External member Ian Harryman, Stanford, Department of Earth System Science (in progress)

Undergraduate

UIC Honor's Thesis Laura Pfeiffer (UIC LASURI recipient, 2021-2022)
Margarita De Alba (2022-2023, in progress)

PROFESSIONAL SERVICE

Professional Positions

2015-20 Contributing Editor, Evolutionary Anthropology Society section of the American Anthropological Association Newsletter
2012-15 Student Representative, Evolutionary Anthropology Society

Journals Refereed

American Journal of Human Biology
Current Anthropology
Evolutionary Psychology
Human Nature
Human Organization
Philosophical Transactions of the Royal Society
Social Sciences
Women

Other Professional Service

- 2022 Ad-hoc reviewer, National Science Foundation, Human-Environment and Geographical Sciences Program
- 2022 Co-Editor, Special Issue of *Evolutionary Human Sciences*
- 2020-22 Program Committee, American Association of Biological Anthropology
- 2021 Panelist, National Science Foundation DDRIG Panel, Cultural Anthropology
- 2020 Ad-hoc reviewer, National Science Foundation, Cultural Anthropology
- 2018 Fieldsite Management Workshop (Co-Organizer). Max Planck Institute for Evolutionary Anthropology, June 11-13, 2018.
- 2017 *Human Nature* Special Issue (Co-Editor). Parenting strategies in modern and emerging economies. Volume 28, Issue 2, June 2017.
- 2017 Double session for the American Anthropological Association Annual Meeting, Washington, DC (Organizer and Chair). The roles of women across cultures in behavioral ecological perspective I and II.

Professional Memberships

American Anthropological Association
American Association of Physical (Biological) Anthropologists
Human Biology Association
Evolutionary Anthropological Society
Society for Anthropological Sciences
American Institute of Bangladesh Studies

Departmental Service

- 2022 Faculty Member, Graduate Curriculum Committee, Department of Anthropology, University of Illinois Chicago
- 2022 Co-Lead Organizer, Anthropology Department Talk Series, University of Illinois Chicago
- 2021 Hiring Committee, Clinical Assistant Professor of Forensic Anthropology, University of Illinois Chicago
- 2021 Hiring Committee, Anthropology/MEMS Cluster Assistant Professor, University of Illinois Chicago
- 2021 Graduate Admissions Committee, Department of Anthropology, University of Illinois Chicago
- 2015 Graduate Student Representative and Grad Student-Faculty Liason
University of Missouri Department of Anthropology
- 2012 Graduate Student Representative on the Cultural Anthropology job candidate search committee, University of Missouri Department of Anthropology
- 2011-2013 Student Representative, University of Missouri, Graduate Student Association
- 2009-2010 Editor, *Nebraska Anthropologist*
- 2009 Conference Chair and Director, 14th Annual Univ of Nebraska AnthroGroup Conference
- 2008-2010 President, Univ of Nebraska, AnthroGroup (Dept of Anthropology student association)