

Robert S Walker

University of Missouri Columbia MO
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Websites:     

EDUCATION

- 2004 PhD with distinction, Anthropology, University of New Mexico
- 2001 MS with distinction, Anthropology, University of New Mexico
- 1998 BA magna cum laude, Anthropology, Colorado State University

EMPLOYMENT (5 universities)

- 2024 Affiliated Faculty, Center for Applied Statistics and Data Analysis, University of Missouri
- 2015 Associate Professor of Anthropology, University of Missouri
- 2009 Assistant Professor of Anthropology, University of Missouri
- 2008 Postdoctoral researcher, Max Planck Institute for Evolutionary Anthropology
- 2007 Research Professor of Anthropology, University of Colorado Denver
- 2006 Lecturer, Anthropology, University of New Mexico
- 2005 Lecturer, Anthropology, University of California Santa Barbara

GRANTS, FELLOWSHIPS & AWARDS (*n* = 30, \$611k)

- 2025 Fulbright Scholar Award Brazil \$23k
 - MU Arts, Social Science, and Humanities Program Grant \$91k (5 years)
 - MU Research Council Grant Resilience of isolated Indigenous populations \$15k
 - MU Mid-Career Research Development Fellow \$8k
- 2024 Ellen and Charles [Steinmetz](#) Endowment, [Archaeological](#) Institute of America \$9k
 - MU Center for Humanities Grants \$25k
 - MU Generative AI Learning Labs \$400
- 2023 [PaleoWest](#) Foundation Research Grant Award \$5k
 - MU Research Council Grant Detecting Amazonian geoglyphs \$15k
 - MU Arts & Humanities Research and Creative Works Fellow \$13k
 - MU Arts & Science Writing Fellow \$7k
- 2017 MU retention package \$100k
- 2016 MU Research Council Grant Guajajara Guardians in Eastern Amazonia \$10k
- 2015 National Geographic Society Research and Exploration Grant #9764-15 Co-father relationships of Aché hunter-gatherers \$20k
 - MU Research Board Grant Remote sensing uncontacted Indigenous villages \$25k
 - MU Provost Outstanding Junior Faculty Research Award \$1k
- 2014 MU Research Council Grant Remote sensing uncontacted Indigenous villages \$9k
 - MU Richard Wallace Faculty Incentive Grant Remote sensing in Amazonia \$4k
- 2013 National Geographic Society Research and Exploration Grant #9165-12 Population dynamics of recently contacted and isolated Indigenous populations in Brazil \$20k
- 2012 RocketHub SciFund Challenge Shrinking horizons: Preserving humans' homes \$3k
- 2011 MU Research Board Grant Alloparental kin investment in Brazil \$34k
 - Richard Wallace Faculty Incentive Grant Partible paternity in Brazil \$2k

- 2007 Leakey Foundation General Research Grant Growth & life history of the Hiwi \$12k
 2005 Leakey Foundation General Research Grant Visual evoked potentials of the Aché \$12k
 2003 Wenner-Gren Foundation Dissertation Research Grant #694 Makú skill investment \$15k
- NSF Doctoral Dissertation Improvement Grant \$10k
 - Leakey Foundation General Research Grant \$12k
- 2002 UNM research and travel grants \$5k
 2001 NSF Graduate Research Fellow 3 years \$72k
 1999 UNM Lewis Binford Graduate Fellow 3 years \$36k

PUBLICATIONS ($n = 92$, $h = 33$, citations = 6k+)

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- nd McKinny S, J Taylor, J Baldino, M Wilson, B Buchanan, RS Walker, B Story, C Chen, J Pargeter, MI Eren. Stone tip cross-sectional geometry contributes to thrusting spear performance. *PaleoAnthropology*
- Hamilton MJ, J Lobo, M Collard, RS Walker, B Buchanan. Technological complexity and combinatorial invention in small-scale societies.
 - Buchanan B, MJ Hamilton, RS Walker. A new method for classifying dart and arrow projectile points.
 - Paige J, RS Walker, B Buchanan, A Key, J Romans, MI Eren. Elliptical Fourier analysis of bullet ricochet impact site plan-view shape in concrete. *Forensic Sciences Research*
 - Hamilton MJ, B Buchanan, RS Walker. Latitudinal-temporal gradients in cultural diversity across North America over 13,000 years.
 - Khresat H, B Vanderheyden, B Buchanan, RS Walker, M Wilson, M Beber, MI Eren, B Story. North American Clovis point form and performance VI: An experimental assessment of atlatl dart and javelin oscillation frequency and shaft spine. *Lithic Technology*
- 2025 Clark K, RS Walker. Iban kinship and cooperation: A test of the ancestor-descendant conflict model. *Human Nature*
- Rose JI, Y Hilbert, V Usyk, MR Beber, A Beshkani, B Buchanan, J Cascalheira, D Chlachula, R Dellmour, MI Eren, R Garba, E Hallinan, L Li, RS Walker, A Marks. Mapping lateral stratigraphy at Palaeolithic surface sites: a case study from Dhofar, Oman. *Journal of Archaeological Science* 173:106117
 - Eren MI, SJ Lycett, MR Beber, A Key, B Buchanan, J Benson, RB Gürbüz, A Cebeiro, E Finestone, R Garba, A Grunow, CO Lovejoy, D MacDonald, E Maletic, GL Miller, JD Ortiz, J Paige, J Pargeter, T Proffitt, MA Raghanti, T Riley, JI Rose, D Singer, RS Walker. What can lithics tell us about hominin technology's 'primordial soup'? An origin of stone knapping via the emulation of mother nature. *Archaeometry*
 - Paige J, RS Walker, B Buchanan, R Berg, C Berg, C Gibling, J Baldino, S McKinny, MI Eren, MR Beber. Copper- versus stone-tipped dart relative functional efficiency: an experiment assessing penetration depth utilizing human atlatlists and hog carcasses. In *From Hard Rock to Heavy Metal: Metal Tool Production and Use by Indigenous Hunter-Gatherers of North America*, eds. MR Beber, C Wolff. Berghahn, NY
 - Samuels AG, DH Holly, MR Beber, MI Eren, S McKinny, B Buchanan, J Paige, RS Walker, CB Wolff. Experimental Archaeology on the Introduction of European Raw Materials in Indigenous Technology: A Case Study on the Beothuk of Newfoundland,

- Canada. In *From Hard Rock to Heavy Metal: Metal Tool Production and Use by Indigenous Hunter-Gatherers of North America*, eds. MR Bebbler, C Wolff. Berghahn, NY
- 2024 Walker RS, J Paige. Modeling the social drivers of environmental sustainability among Amazonian indigenous lands using Bayesian networks. *PLoS ONE* 19:e0297501
- Hamilton MJ, RS Walker, B Buchanan. Institutional complexity emerges from socioecological complexity in small-scale human societies. *Proceedings of the Royal Society of London B* 291: 20240246
 - Aung T, A Hill, J Hlay, C Hess, M Hess, J Johnson, L Doll, I González-Santoyo, RS Walker, D Bailey, K Douglass, S Arnocky, S Kamble, T Vardy, T Kyritsis, Q Atkinson, B Jones, J Koster, G Palomo-Vélez, J Tybur, J Muñoz-Reyes, B Cheng, N Li, A Langenhoff, K Verena, C Batres, P Bascheck, C Schild, L Penke, F Pazhoohi, K Kemirembe, JV Valentova, M Varella, M Borrás-Guevara, C Hodges-Simeon, M Ernst, C Garr, B Chen, D Puts. Effects of voice pitch on social perceptions vary with relational mobility and homicide rate. *Psychological Science* 35:250-262
 - Hamilton MJ, B Buchanan, J Lobo, RS Walker. Food storage, mobility, and the density-dependence of hunter-gatherer movement ecology. *Journal of Archaeological Science: Reports* 54:104441
 - Zhou A, F Wang, RS Walker, M Sturm, A Nalmas, S Murrell. VR reconstruction of Amazonian geoglyphs using LiDAR data. *IEEE Conference on VR and 3D User Interfaces* 2024:993-4
 - Bebbler MR, NC Kim, S Tripoli, R Quick, B Buchanan, RS Walker, J Paige, J Baldino, S McKinny, J Taylor, MI Eren. The gravity of Paleolithic hunting. *Journal of Archaeological Science: Reports* 59:104785
 - Buchanan, B, MJ Hamilton, N Gala, H Smith, M Wilson, MI Eren, RS Walker. Comparing Clovis and Folsom fluting via scaling analysis. *Archaeometry* 66:266-281
 - Eren MI, J Romans, RS Walker, B Buchanan, A Key. Bullet ricochet mark plan-view morphology in concrete: an experimental assessment of five bullet types and two distances using machine learning. *Forensic Sciences Research* 9:1-10
 - Baldino J, S McKinny, J Taylor, M Wilson, B Buchanan, RS Walker, B Story, MR Bebbler, MI Eren. North American Clovis point form and performance V: An experimental assessment of spear thrusting penetration and entry wound size. *Lithic Tech* 49:295-310
- 2023 Walker RS, MV Flinn, SP Prall, MJ Hamilton. Remote sensing evidence for population growth of isolated indigenous societies in [Amazonia](#). *Scientific Reports* 13:22448
- Walker RS, JR Ferguson, A Olmeda, MJ Hamilton, J Elghammer, B Buchanan. Predicting the geographic distribution of ancient Amazonian archaeological sites with machine learning. *PeerJ* 11:e15137
 - Bebbler MR, B Buchanan, MI Eren, RS Walker, D Zirkle. Atlatl use equalizes female and male projectile weapon velocity. *Scientific Reports* 13:13349
 - Mika A, J Lierenz, A Smith, B Buchanan, RS Walker, MI Eren, MR Bebbler, A Key. Hafted technologies reduced stone tool-related selective pressures acting on the hominin hand. *Scientific Reports* 13:15582
 - Mullen D, J Sitton, B Story, B Buchanan, RS Walker, MI Eren, MR Bebbler. Comparison of four ballistic and thrusting target materials: An experimental and Bayesian approach using static testing of stone and steel arrow tips. *Archaeometry* 65:1108-1124
 - Conrad G, S Hough, J Baldino, N Gala, B Buchanan, RS Walker, A Key, B Redmond, MR Bebbler, MI Eren. Clovis bone versus stone weapon tip penetration: thinking about

- relative costs and benefits, experimental assumptions, and archaeological unknowns at Sheriden Cave, Ohio, U.S.A. *Journal of Archaeological Science: Reports* 52:104295
- 2022 Mika A, B Buchanan, RS Walker, AJM Key, B Story, MR Bebbler, MI Eren. North American Clovis point form and performance III: an experimental assessment of knife cutting efficiency. *Lithic Tech* 47:203-220
- Buchanan B, RS Walker, MJ Hamilton, B Story, M Bebbler, D Wilcox, MI Eren. Experimental assessment of lanceolate projectile point and haft robustness. *Journal of Archaeological Science: Reports* 42:103399
 - Lewis A, J Williams, B Buchanan, RS Walker, M Bebbler, MI Eren. Knapping quality of local versus exotic Upper Mercer chert (Ohio, U.S.A.) during the Holocene. *Geoarchaeology* 37:486-496
 - Eren MI, L Mukusha, J Lierenz, M Wilson, M Fisch, T True, M Kavaulic, RS Walker, B Buchanan, AJM Key, MR Bebbler. Another tool in the experimental toolbox: On the use of aluminum as a substitute for chert in North American prehistoric ballistics research and beyond. *North American Archaeologist* 43:151-176
 - Gala N, A Mika, M Wilson, J Williams, B Buchanan, RS Walker, M Bebbler, MI Eren. Experimental assessment of obsidian versus chert lanceolate projectile point durability and robusticity: semi-static fracture strength and dynamic impact. *Archaeometry* 64:1307-1324
- 2021 Walker RS. Cultural phylogenetics in lowland South America, in *Language Dispersal, Diversification, and Contact: A Global Perspective*. Eds M Crevels & P Muysken. Oxford University Press, 291-300
- 2020 Hamilton MJ, RS Walker, C Kempes. Diversity begets diversity in human cultures and mammal species. *Scientific Reports* 10:19654
- Hamilton MJ, RS Walker, B Buchanan, DS Sandeford. Scaling human sociopolitical complexity. *PLoS ONE* 15:e0234615
 - Eren MI, B Story, A Perrone, M Bebbler, MJ Hamilton, RS Walker, B Buchanan. North American Clovis point form and function: An experimental assessment of penetration depth. *Lithic Tech* 45:263-282
- 2019 Walker RS, MJ Hamilton. Machine learning with remote sensing data to locate uncontacted indigenous villages in Amazonia. *PeerJ Computer Science* 5:e170
- Hamilton MJ, RS Walker. Nonlinear diversification rates of linguistic phylogenies over the Holocene. *PLoS ONE* 14:e0213126
 - Hamilton MJ, RS Walker, B Buchanan. Spatiotemporal diversification of projectile point types in North America over 13,000 years. *Journal of Archaeological Science: Reports* 24:486-495
- 2018 Hamilton MJ, B Buchanan, RS Walker. Scaling the size, structure, and dynamics of residentially mobile hunter-gatherer camps. *American Antiquity* 83:701-720
- Hamilton MJ, RS Walker. A stochastic density-dependent model of long-term population dynamics in hunter-gatherer populations. *Evolutionary Ecology Research* 19:85-102
- 2017 Beckerman S, M Lizarralde, DM Peluso, C Yvinec, N Harris, D Parker, RS Walker, KR Hill. Partible paternity, the secondary sex ratio and a possible Trivers-Willard effect. *Current Anthropology* 58:540-543
- 2016 Walker RS, DC Kesler, KR Hill. Are isolated indigenous populations headed toward extinction? *PLoS ONE* 11:e0150987
- Puts DA, AK Hill, DH Bailey, RS Walker, D Rendall, JR Wheatley, LLM Welling, K Dawood, R Cárdenas, RP Burriss, NG Jablonski, MD Shriver, D Weiss, AR Lameira, CL

- Apicella, MJ Owren, C Barelli, ME Glenn, G Ramos-Fernandez. Sexual selection on male vocal fundamental frequency in humans and other anthropoids. *Proceedings of the Royal Society of London B* 283:20152830
- De Vynck JC, R Anderson, C Atwater, RM Cowling, EC Fisher, CW Marean, RS Walker, KR Hill. Return rates from intertidal foraging from Blombos Cave to Pinnacle Point: understanding early human economies. *Journal of Human Evolution* 92:101-115
 - Ellsworth RM, DH Bailey, MK Shenk, RS Walker. Comparative study of reproductive skew and pair-bond stability using genealogies from 80 small-scale human societies. *American Journal of Human Biology* 28:335-342
- 2015 Walker RS, KR Hill. Protecting isolated tribes. *Science* 348:1061
- Walker RS, L Sattenspiel, KR Hill. **Mortality** from contact-related epidemics among indigenous populations in Greater Amazonia. *Scientific Reports* 5:14032
 - Kesler DC, RS Walker. Geographic distribution of isolated indigenous societies in Amazonia and the efficacy of indigenous territories. *PLoS ONE* 10:e0125113
 - Walker RS, C Yvinec, RM Ellsworth, DH Bailey. Co-father relationships among the Suruí (Paite) of Brazil. *PeerJ* 3:e899
 - Ellsworth RM, RS Walker. Sociobiology of lethal violence in small-scale societies, in *Routledge Handbook of Biosocial Criminology*. Eds DeLisi & Vaughn. Routledge, 57-74
 - Walker RS. Human residence patterns, in *Emerging Trends in the Social and Behavioral Sciences*. Eds R Scott & S Kosslyn. Wiley, 1-8
 - Walker RS. Evolution of culture, in *Basics in Human Evolution*. Ed MP Muehlenbein. Academic Press, 525-531
- 2014 Walker RS, MJ Hamilton, AA Groth. Remote sensing and conservation of **isolated indigenous villages** in Amazonia. *Royal Society Open Science* 1:140246
- Macfarlan SJ, RS Walker, MV Flinn, NA Chagnon. Lethal coalitionary aggression and long-term alliances among Yanomamö men. *Proceedings of the National Academy of Sciences USA* 111:16662-16669
 - Walker RS. Amazonian horticulturalists live in larger, more related groups than hunter-gatherers. *Evolution & Human Behavior* 35:384-388
 - Ellsworth RM, DH Bailey, KR Hill, AM Hurtado, RS Walker. Relatedness, co-residence, and shared fatherhood among Ache foragers of Paraguay. *Current Anth* 55:647-653
 - Walker RS, MJ Hamilton. Amazonian societies on the brink of extinction. *American Journal of Human Biology* 26:570-572
 - Walker RS, DH Bailey. Marrying kin in small-scale societies. *American Journal of Human Biology* 26:384-388
 - Walker RS, KR Hill. Causes, consequences, and kin bias of human group fissions. *Human Nature* 25:465-475
 - Bailey DH, KR Hill, Walker RS. Fitness consequences of spousal relatedness in 46 small-scale societies. *Biology Letters* 10:20140160
 - Hamilton MJ, RS Walker, DC Kesler. Crash and rebound of indigenous populations in lowland South America. *Scientific Reports* 4:4541
 - Ellsworth RM, RS Walker. Integrating approaches to human uniqueness. *Current Anthropology* 55:768-769
- 2013 Walker RS, S Beckerman, MV Flinn, M Gurven, CR von Rueden, KL Kramer, RD Greaves, L Córdoba, D Villar, EH Hagen, JM Koster, L Sugiyama, TE Hunter, KR Hill. Living with kin in lowland horticultural societies. *Current Anthropology* 54:96-103

- Walker RS, DH Bailey. [Body counts](#) in lowland South American violence. *Evolution & Human Behavior* 34:29-34
- Bailey DH, RS Walker, GE Blomquist, KR Hill, AM Hurtado, DC Geary. Heritability and fitness correlates of personality in the Ache, a natural-fertility population in Paraguay. *PLoS ONE* 8:e59325
- 2012 Walker RS, S Wichmann, T Mailund, CJ Atkisson. Cultural phylogenetics of the Tupí language family in lowland South America. *PLoS ONE* 7:e35025
 - Bailey DH, MJ Hamilton, RS Walker. Latitude, population size, and the language-farming dispersal hypothesis. *Evolutionary Ecology Research* 14:1057-1067
 - Hamilton MJ, O Burger, RS Walker. Human Ecology, in *Metabolic Ecology: A Scaling Approach*. Eds RM Sibly, A Kodric-Brown & JH Brown. Wiley & Sons, 248-257
- 2011 Hill K, RS Walker, M Bozicevic, J Eder, T Headland, B Hewlett, AM Hurtado, F Marlowe, P Wiessner, B Wood. [Co-residence patterns](#) in hunter-gatherer societies show unique human social structure. *Science* 331:1286-1289
 - Wichmann S, EW Holman, T Rama, RS Walker. Correlates of reticulation in linguistic phylogenies. *Language Dynamics & Change* 1:205-240
 - Walker RS, KR Hill, MV Flinn, RM Ellsworth. Evolutionary history of hunter-gatherer marriage practices. *PLoS ONE* 6:e19066
 - Walker RS, LA Ribeiro. Bayesian phylogeography of the Arawak expansion in lowland South America. *Proceedings of the Royal Society of London B* 278:2562-2567
 - Walker RS, MJ Hamilton. Social complexity and linguistic diversity in Austronesian and Bantu population expansions. *Proceedings Royal Society of London B* 278:1399-1404
 - Hogg RT, RS Walker. Life-history correlates of enamel microstructure in Cebidae (Platyrrhini, Primates). *Anatomical Record* 294:2193-2206
 - Gawlik A, RS Walker, Z Hochberg. Impact of infancy duration on adult size in 22 subsistence-based societies. *Acta Paediatrica* 100:e248-e252
 - Hochberg Z, A Gawlik, RS Walker. Evolutionary fitness as a function of pubertal age in 22 subsistence-based traditional societies. *Pediatric Endocrinology* 2011:2
- 2010 Walker RS, MV Flinn, KR Hill. Evolutionary history of [partible paternity](#) in lowland South America. *Proceedings of the National Academy of Sciences USA* 107:19195-19200
 - Burger O, RS Walker, MJ Hamilton. Lifetime reproductive effort in humans. *Proceedings of the Royal Society of London B* 277:773-777
- 2009 Hamilton MJ, O Burger, JP DeLong, RS Walker, M Moses, JH Brown. Population stability, cooperation and the invasibility of the human species. *Proceedings of the National Academy of Sciences USA* 106:12255-12260
- 2008 Walker RS, M Gurven, O Burger, MJ Hamilton. Trade-off between number and size of offspring in humans and other primates. *Proceedings of the Royal Society of London B* 275:827-833
 - Walker RS, MJ Hamilton. Life history consequences of density dependence and the evolution of human body sizes. *Current Anthropology* 49:115-122
- 2007 Hamilton MJ, BT Milne, RS Walker, O Burger, JH Brown. Complex structure of hunter-gatherer social networks. *Proceedings of the Royal Society of London B* 274:2195-2202
 - Hamilton MJ, BT Milne, RS Walker, JH Brown. Nonlinear scaling of space use in human hunter-gatherers. *Proceedings of the National Academy of Sciences USA* 104:4765-4769
 - Hill K, AM Hurtado, RS Walker. High adult mortality among Hiwi hunter-gatherers: Implications for human evolution. *Journal of Human Evolution* 52:443-454

- 2006 Walker RS, O Burger, J Wagner, CR von Rueden. Evolution of brain size and juvenile periods in primates. *Journal of Human Evolution* 51:480-489
- Walker RS, M Gurven, K Hill, A Migliano, NA Chagnon, R De Souza, G Djurovic, R Hames, AM Hurtado, H Kaplan, K Kramer, WJ Oliver, C Vallenggia, T Yamauchi. Growth rates and life histories in twenty-two small-scale societies. *American Journal of Human Biology* 18:295-311
 - Walker RS, K Hill, O Burger, AM Hurtado. Life in the slow lane revisited: Ontogenetic separation between chimpanzees and humans. *American Journal of Physical Anthropology* 129:577-583
 - Gurven M, RS Walker. Energetic demand of multiple dependents and the evolution of slow human growth. *Proceedings of the Royal Society of London B* 273:835-841
- 2005 Burger O, M Hamilton, RS Walker. Prey as patch model: A marginal gains curve for vertebrate prey. *Journal of Archaeological Science* 32:1147-1158
- 2003 Walker RS, KR Hill. Modeling growth and senescence in physical performance among the Ache of Eastern Paraguay. *American Journal of Human Biology* 15:196-208
- 2002 Walker RS, KR Hill, H Kaplan, G MacMillan. Age-dependency in hunting ability among the Ache of Eastern Paraguay. *Journal of Human Evolution* 42:639-657
- 2001 Todd LC, DC Jones, RS Walker, P Burnett, J Eighmy. Late archaic bison hunters in Northern Colorado: 1997-1999 Excavations at the Kaplan-Hoover Bison Bonebed. *Plains Anthropologist* 46:125-147

TEACHING (4 universities, 13+ different courses)

- 2009 Data Science with R/Python, Comparative Methods, Cultures of Amazonia, Culture and Coding, Cultural Evolution, Anthropology of War (MU)
- 2007 Biological Anthropology, Human Behavior (CU Denver)
- 2006 Human Biology, Human Lifecourse, Human Evolutionary Ecology (UNM)
- 2005 Human Growth & Development (UCSB)

INVITED PRESENTATIONS ($n = 31$)

- 2023 Detection of ancient Amazonian geoglyphs. MU AI/Machine Learning Forum
- 2018 Last of the world's uncontacted tribes. Miami
- 2017 Mysteries of the Missing documentary starring Terry O'Quinn (Season 1, Episode 7B)
- Multiple fathers in lowland South America. Miami
- 2016 Last of the world's uncontacted tribes. Baylor
- 2015 Body counts in lowland South American violence. [NIMBioS](#)
- Last of the world's [uncontacted tribes](#). MU Saturday Morning Science
- 2014 Remote sensing uncontacted indigenous villages in Amazonia. UNLV
- Uniqueness of human social structure. Leipzig
 - Remote sensing uncontacted indigenous villages in Amazonia. ASU
 - Multiple fathers in lowland South America. University of Kent
 - Extensive versus intensive human kinship systems. Penn State
- 2013 [Multiple fathers](#) in lowland South America. MU Life Sciences and Society
- 2012 Cultural phylogenetics in lowland South America. Amsterdam
- Body counts in Amazonian violence. UNM

- Living with kin in traditional human societies. Penn State
- 2011 Mode & tempo of human cultural evolution. Yale
- 2010 Evolutionary history of partible paternity. Yale
 - Cultural variation in the Amazon. Missouri Southern State
- 2009 Lifetime reproductive effort in humans. Washington University
- 2008 Human life history from a comparative perspective. UNM
 - Number & size tradeoff of offspring in humans & other animals. UNM
 - Life-history theory of small & large body size in hunter-gatherers. ASU
- 2007 Age uncertainty & comparative human life history. Leipzig/Rostock
 - Human life history from a comparative perspective. UCLA
 - Trade-off between number & size of offspring. William & Mary
 - Density dependence & human life history evolution. Philadelphia
- 2006 Density dependence in the evolution of hunter-gatherer body sizes. Philadelphia
 - Activity patterns & health of Aché hunter-gatherers. Denver
 - Are there two human ontogenies? Anchorage
- 2005 Unique human life history. UNM

FIELDWORK (55 months)

- 2025 Fulbright scholar, Brazil, 2 months
- 2024 Fulbright scholar, Brazil, 2 months
 - Archaeological fieldwork, New Mexico, 3 weeks
- 2023 Geoglyph survey, Brazil, 1 month
 - Archaeological fieldwork, New Mexico, 2 weeks
- 2016 Indigenous protection of forests with Guajajara Guardians, Brazil, 3 months
- 2013 Population dynamics of indigenous populations, Brazil, 2 months
- 2011 Alloparental kin investment & reproductive strategies, Brazil, 6 months
- 2010 Aché personality research, Paraguay, 2 months
- 2009 Cultural & linguistic variation in lowland South America, 6 months
- 2006 Trio & Wayana demography, Brazil & Suriname, 3 months
- 2005 Visual evoked potentials & electroencephalography with Aché, Paraguay, 2 months
- 2002 Makú growth & life history, Brazil, 6 months
- 2000 Aché age-specific hunting ability, Paraguay, 4 months
- 1999 Hudson-Meng Bison Bonebed archaeological excavations, Nebraska, 3 months
- 1998 Kaplan-Hoover Bison Bonebed archaeological excavations, Colorado, 12 months