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Academic Positions

2016-Present Assistant Professor, Arizona State University
2012-2016 Postdoctoral Scholar, University of California Santa Barbara

Education

2012 Ph.D. Department of Anthropology, University of Washington
2009 M.A. Department of Anthropology, University of Washington
2006 B.A. Anthropology and Psychology, University of California Santa Barbara

Grants and Fellowships

2018-2022 NIH/National Institute on Aging R01 *Competitive Revision for Brain atrophy, cognitive impairment and Alzheimer's in a low CVD-risk population*
2018-2019 Center for Evolution and Medicine Pilot Grant: *Influences of inequality, social ecology, and parasite exposure on metabolic health among two Latin American populations in transition,*
2017-2018 Center for Evolution and Medicine Pilot Grant: *The evolutionary history of cytomegalovirus infection in Native American populations*
2017-2022 NIH/National Institute on Aging R01: *Brain atrophy, cognitive impairment and Alzheimer's in a low CVD-risk population,*
2017-2018 Illumina Innovative Investigators Program, *Characterizing human cytomegalovirus in a Bolivian population*
2014 NSF RAPID: Surviving the Flood: Vulnerability, Risk Management, and Resilience after a Natural Disaster. BCS-1440212

Peer Reviewed Publications: h-index = 20, i10-index = 29, Citations 1262 (°undergrad, † grad student, * postdoc)

- (46) Koster J, McElreath R, Hill K, Yu D, Shepard Jr G, van Vliet N, Gurven M, Kaplan H, **Trumble BC**, Bliege Bird R, Bird D, Codding B, Coad L, Pacheco-Cobos L, Winterhalder B, Lupo K, Schmitt D, Sillitoe P, Franzen M, Alvard M, Venkataraman V, Kraft T, Endicott K, Beckerman S, Marks S, Headland T, Pangau-Adam M, Siren A, Kramer K, Greaves R, Reyes-Garcia V, Gueze M, Duda R, Fernandez-Llamazares A, Gallois S, Napitupulu L, Ellen R, Ziker J, Nielsen M, Ready E, Healey C, Ross C. (2020). The Life History of Human Foraging: Cross-Cultural and Individual Variation. *Science Advances*. [Impact Factor: 12.804]
- (45) Dinkel K°, Costa ME, Kraft T, Cummings DK, Stieglitz J, Kaplan H, Gurven M, **Trumble BC**. (2020). Relationship of sanitation, water boiling, and mosquito nets to health biomarkers in a rural subsistence population. *American Journal of Human Biology*. [Impact Factor: 1.928]
- (44) **Trumble BC**, Finch CE. (2019). The exposome in human evolution: from dust to diesel. *The Quarterly Review of Biology*. [Impact Factor: 2.321]
- (43) Garcia AR*, Natri H, Buetow KH, **Trumble BC**, Wilson, MA. (2019). Evolution of Immune Sexual Dimorphism in Response to Placental Invasiveness: A Reply to Greenbaum and Greenbaum. *Trends in Genetics*. [Impact Factor: 10.556]
- (42) Natri H, Garcia AR*, Buetow KH, **Trumble BC**, Wilson, MA. (2019). Endogenous Retroviruses and the Pregnancy Compensation Hypothesis: A Reply to David. *Trends in Genetics*. [Impact Factor: 10.556]
- (41) Anderson A†, **Trumble BC**, Hove C, Kraft T, Kaplan H, Gurven M, Blackwell AD. (2019). Old friends and friendly fire: Pregnancy and hookworm infection among tropical horticulturalists. *American Journal of Human Biology*. [Impact Factor: 1.928]
- (40) Stieglitz J, **Trumble BC**, Finch CE, Gurven M, Kaplan H, HORUS Study Team, Li D, Budoff MJ. (2019). Thoracic computed tomography reveals high prevalence of vertebral fracture and greater fracture risk with higher reproductive effort among forager-horticulturalists. *eLife*. [Impact Factor: 7.616]
- (39) Gettler LT, Bond A*, **Trumble BC**, Boyette A. (2019). Mothers' and Fathers' Testosterone and Oxytocin in a Small-Scale Fishing-Farming Community: Variation Based on Marital Conflict and Paternal Contributions. *Brain and Behavior*. [Impact Factor: 2.219]

- (38) Natri H, Garcia AR*, Buetow KH, **Trumble BC**, Wilson, MA. (2019). The Pregnancy Pickle: evolved sex differences in disease. *Trends in Genetics*. [Impact Factor: 10.556]
- (37) Charifson M†, **Trumble BC**. (2019). Evolutionary origins of Polycystic Ovary Syndrome: An environmental mismatch disorder. *Evolutionary Medicine and Public Health*. [Impact Factor: 4.4]
- (36) Gurven M, **Trumble BC**, Stieglitz J, Yetish G, Cummings D, Blackwell AD, Beheim B, Kaplan H, Pontzer H. (2019). Methodological differences cannot explain associations between health, anthropometrics and excess RMR. *American Journal of Physical Anthropology*. [Impact Factor: 2.824]
- (35) **Trumble BC**, Stieglitz J, Jaeggi AV, Beheim BA, Schwartz M, Seabright E, Cummings D, Kaplan H, Gurven M. (2018). Associations between paternal hormones, crop losses, and family illness health following catastrophic flooding in lowland Bolivia. *Physiology and Behavior*. DOI: 10.1016/j.physbeh.2018.02.028 [Impact Factor: 3.033]
- (34) Kraft T, Stieglitz J, **Trumble BC**, Martin M, Kaplan H, Gurven M. (2018) Nutrition transition in two lowland Bolivian subsistence populations. *American Journal of Clinical Nutrition*. [Impact Factor: 6.77]
- (33) Costa ME, **Trumble BC**, Kaplan H, Gurven M. (2018). Child nutritional status among births exceeding ideal family size in a high fertility population. *Maternal and Child Nutrition*. DOI: 10.1111/mcn.12625 [Impact Factor: 3.233]
- (32) Stieglitz J, **Trumble BC**, Kaplan HK, Gurven M. (2018). Marital violence and fertility in a relatively egalitarian high-fertility Population. *Nature Human Behaviour*. DOI: 10.1038/s41562-018-0391-7 [Impact Factor: NA, Newly Established Journal]
- (31) Jaeggi AV, **Trumble BC**, Brown M. (2018). The cost of group-level competition: Intergroup encounters are associated with changes in urinary cortisol and testosterone among wild red-tailed monkeys (*Cercopithecus ascanius*) in Kibale National Park, Uganda. *American Journal of Primatology*. DOI: 10.1002/ajp.22757 [Impact Factor: 2.221]
- (30) **Trumble BC**; Stieglitz J; Blackwell A; Allayee H; Beheim B; Finch CE; Gurven M; Kaplan H. (2017). Apolipoprotein E4 is associated with improved cognitive function in Amazonian forager-horticulturalists with a high parasite burden. *FASEB J*. DOI: 10.1096/fj.201601084R [Impact Factor: 5.498]
- (29) Kaplan H, **Trumble BC**, Stieglitz J, Narula J, Gurven M, Thomas GS (2017). Low coronary atherosclerosis: diet, dentition, helminthic infection? *The Lancet*. DOI: 10.1016/S0140-6736(17)31941-4 [Impact Factor: 53.254]
- (28) Gurven M, Kaplan H, Stieglitz J, **Trumble BC**, Blackwell AD, Beheim B, Hooper P. (2017). The Tsimane health and life history project: integrating anthropology and biomedicine. *Evolutionary Anthropology*. DOI: 10.1002/evan.21515 [Impact Factor: 4.531]
- (27) Kaplan H, Thompson R, **Trumble BC**, Wann LS, Allam AH, Beheim B, Frohlich B, Sutherland ML, Sutherland JD, Stieglitz J, Eid Rodriguez D, Michalik DE, Rowan CJ, Lombardi GP, Bedi R, Garcia AR†, Min JK, Narula J, Finch CE, Gurven M, Thomas GS. (2017). Coronary atherosclerosis in indigenous South American Tsimane: a cross-sectional cohort study. *The Lancet*. DOI: 10.1016/S0140-6736(17)30752-3 [Impact Factor: 53.254]
- (26) Stieglitz J, **Trumble BC**, Kaplan H, Gurven M. (2017). Horticultural activity predicts later localized limb status in a contemporary pre-industrial population. *American Journal of Physical Anthropology*. DOI: 10.1002/ajpa.23214 [Impact Factor: 2.824]
- (25) Blackwell AD, Urlacher SS, Beheim B, von Ruden C, Jaeggi A, Stieglitz J, **Trumble BC**, Gurven M, Kaplan, H. (2017). Growth references for Tsimane forager-horticulturalists of the Bolivian Amazon. *American Journal of Physical Anthropology*. DOI: 10.1002/ajpa.23128 [Impact Factor: 2.824]
- (24) Gurven M, Furstenberg E, **Trumble BC**, Stieglitz J, Beheim B, Davis H, Kaplan H (2017). Cognitive performance across the life among Bolivian forager farmers with limited schooling. *Developmental Psychology*. DOI 10.1037/dev0000175 [Impact Factor: 3.228]
- (23) Gurven M, **Trumble BC**, Stieglitz J; Blackwell A, Michalik D, Finch CE, Kaplan H. (2016). Cardiovascular disease and Type 2 Diabetes in evolutionary perspective: a critical role for helminths? *Evolution Medicine and Public Health*. doi:10.1093/emph/eow028 [Impact Factor: 4.4]
- (22) **Trumble BC**, Blackwell AD, Stieglitz J, Emery Thompson M, Suarez IM, Kaplan H, Gurven M. (2016). Associations between male testosterone and immune function in a pathogenically stressed forager-horticultural population. *American Journal of Physical Anthropology*. DOI 10.1002/ajpa.23054 [Impact Factor: 2.824]
- (21) Horvath S, Gurven M, Levine ME, **Trumble BC**, Kaplan H, Allayee H, Ritz BT, Cheng B, Lu A, Sun D, Berenson GS, Li S, Chen W, Tsao P, Absher D, Themistocles Assimes T. (2016). An epigenetic clock analysis of race/ethnicity, sex, and coronary heart disease. *Genome Biology* 17:171. DOI 10.1186/s13059-016-1030-0 [Impact Factor: 11.908]
- (20) Gurven MD, Costa M, **Trumble BC**, Eid Rodriguez D, Stieglitz J, Beheim B, Kaplan H. (2016). Health costs of reproduction are minimal despite high fertility, mortality and subsistence lifestyle. *Nature Scientific Reports* DOI 10.1038/srep30056 [Impact Factor: 4.609]

- (19) Gurven M, **Trumble BC**, Stieglitz J, Yetish G, Cummings D, Blackwell AD, Beheim B, Kaplan H, Pontzer H. (2016). High resting metabolic rate among Amazonian forager-horticulturalists experiencing high pathogen burden. *American Journal of Physical Anthropology*. DOI 10.1002/ajpa.23040 [Impact Factor: 2.824]
- (18) Blackwell AD, **Trumble BC**, Maldonado Suarez I, Stieglitz J, Beheim B, Snodgrass JJ, Kaplan H, Gurven M. (2016) Immune Function in Amazonian Horticulturalists. *Annals of Human Biology* 43(4):382-396. DOI 10.1080/03014460.2016.1189963 [Impact Factor: 1.240]
- (17) **Trumble BC**, Gaulin SJC, Dunbar MD, Kaplan H, Gurven M. (2016) No sex or age difference in dead-reckoning ability among Tsimane forager-horticulturalists. *Human Nature* 27(1):51-67. DOI 10.1007/s12110-015-9246-3 [Impact Factor: 1.62]
- (16) Blackwell AD, Tomayo M, Beheim B, **Trumble BC**, Steiglitz J, Hooper P, Martin M, Kaplan H, Gurven M. (2015) Helminth infection, fecundity, and age of first pregnancy in women. *Science* 350: 970-972. DOI 10.1126/science.aac7902 [Impact Factor: 37.205]
- (15) **Trumble BC**, Jaeggi AJ, Gurven M. (2015) Evolving the neuroendocrine physiology of human and primate cooperation and collective action. *Philosophical Transactions of the Royal Society, Proceedings B* 370: 20150014. DOI 10.1098/rstb.2015.0014 [Impact Factor: 5.666]
- (14) Stieglitz J, **Trumble BC**, Emery Thompson M, Blackwell AD, Kaplan H, Gurven M. (2015) Depression as sickness behavior? A test of the host defense hypothesis in a high pathogen population. *Brain Behavior and Immunity* 49:130-139. DOI 10.1016/j.bbi.2015.05.008 [Impact Factor: 6.306]
- (13) **Trumble BC**, Eid Rodriguez D, Cortez Linares E, Kaplan H, Gurven M. (2015). Challenging the inevitability of prostate enlargement: low levels of benign prostatic hyperplasia among Tsimane forager-horticulturalists. *Journal of Gerontology: Medical Sciences* 70(10):1262-1268. DOI 10.1093/gerona/glv051 [Impact Factor: 5.798]
- (12) Jaeggi AJ*, **Trumble BC***, Kaplan H, Gurven M. (2015) Salivary oxytocin increases concurrently with testosterone and time away from home among returning Tsimane' hunters. *Biology Letters* 20150058. DOI 10.1098/rsbl.2015.0058 **These Authors contributed equally* [Impact Factor: 3.345]
- (11) Stieglitz J, Beheim B, **Trumble BC**, Madimenos F, Kaplan, H, Gurven M. (2015). Low mineral density of a weight-bearing bone among adult women in a high fertility population. *American Journal of Physical Anthropology* 156(4):637-648. DOI 10.1002/ajpa.22681 [Impact Factor: 2.824]
- (10) Snipes SA, Hayes-Constant TK, **Trumble BC**, Goodreau SM, Morrison DM, Shell-Duncan B, Pelman RS, O'Connor KA. (2015). Masculine perspectives about work and family concurrently promote and inhibit men's healthy behaviors. *International Journal of Men's Health*. DOI 10.3149/jmh.1401.1 [Impact Factor: 0.71]
- (9) **Trumble BC**, Stieglitz J, Emery Thompson M, Furstenberg E, Kaplan H, Gurven M. (2014). Testosterone and male cognitive performance in Tsimane forager-horticulturalists. *American Journal of Human Biology* 27:582-586. DOI: 10.1002/ajhb.22665. [Impact Factor: 1.928]
- (8) Von Rueden C, **Trumble BC**, Emery Thompson M, Hooper PL, Stieglitz J, Blackwell AD, Kaplan H, Gurven M. (2014). Political influence associates with cortisol and health among egalitarian forager-farmers. *Evolution Medicine and Public Health* 122-133. DOI:10.1093/emph/eou021. [Impact Factor: 4.4]
- (7) Stieglitz J, Jaeggi A, Blackwell A, **Trumble BC**, Gurven M, Kaplan H. (2014). Work to live and live to work: Productivity, transfers, and psychological well-being in adulthood and old age. In: Weinstein, M., and Lane, MA. (eds). Sociality, Hierarchy, Health: Comparative Biodemography: A Collection of Papers. *National Academy Press*. DOI: 10.17226/18822 [Impact Factor: NA, Peer reviewed book chapter]
- (6) **Trumble BC**, Smith EA, O'Connor KA, Kaplan HS, Gurven MD. (2014). Successful hunting increases testosterone and cortisol in a subsistence population. *Proceedings of the Royal Society B*, 281:20132876 DOI 10.1098/rspb.2013.2876 [Impact Factor: 4.847]
- (5) **Trumble BC**, Cummings DK, O'Connor KA, Holman DJ, Smith EA, Kaplan HS, Gurven MD. (2013). Age-independent increases in male salivary testosterone during horticultural activity among Tsimane forager-farmers. *Evolution and Human Behavior*, 34(5):350-357 DOI 10.1016/j.evolhumbehav.2013.06.002 [Impact Factor: 3.623]
- (4) **Trumble BC**, Cummings DK, von Rueden CR, O'Connor KA, Smith EA, Gurven MD, Kaplan HS (2012). Physical competition increases testosterone among Amazonian forager-horticulturalists: a test of the "challenge hypothesis". *Proceedings of the Royal Society B*, 279:2907-2912 DOI 10.1098/rspb.2012.0455 [Impact Factor: 4.847]
- (3) O'Connor KA, Brindle E, Shofer J, **Trumble BC**, Aranda JD, Rice K, Tatar M. (2011). The effects of a longterm psychosocial stress on reproductive indicators in the baboon. *The American Journal of Physical Anthropology* 145(4):629-38 DOI 10.1002/ajpa.21538 [Impact Factor: 2.824]

- (2) **Trumble BC**, Brindle E, Kupsik M, O'Connor KA. (2010). Responsiveness of the reproductive axis to a single missed evening meal in young adult males. *American Journal of Human Biology* 22(6):775-781 DOI 10.1002/ajhb.21079 [Impact Factor: 1.928]
- (1) O'Connor KA, Ferrell RJ, Brindle E, **Trumble BC**, Shofer J, Holman DJ, Weinstein M. (2009). Progesterone and ovulation across the stages of the transition to menopause. *Menopause* 16(6):1178-1187 DOI 10.1097/gme.0b013e3181aa192d [Impact Factor: 3.361]

Submitted († indicates student, * indicates postdoc)

- (1) **Trumble BC**, Pontzer H, Stieglitz J, Cummings DK, Wood B, Emery Thompson M, Raichlen D, Beheim B, Yetish G, Kaplan H, Gurven M. Energetic costs of testosterone in two physically active foraging populations.
- (2) **Trumble BC**, Stieglitz J, Thompson RC, Wann LS, Allam AH, Beheim B, Frohlich B, Sutherland ML, Sutherland JD, Eid Rodriguez D, Michalik DE, Rowan CJ, Lombardi GP, Bedi R, Garcia AR*, Cummings DK, Seabright E, Min JK, Narula J, Finch CE, Gurven MD, Kaplan H, Thomas GS. Testosterone is positively associated with coronary artery calcium in a low cardiovascular disease risk population.
- (3) **Trumble, BC**. Chronic Diseases of Aging in an Evolutionary Context.
- (4) Kraft T, **Trumble BC**, Kaplan, H, Garcia A*, Stieglitz J, Gurven MD. Physiological dysregulation and aging in evolutionary perspective.
- (5) Jaeggi AV, Blackwell AD, von Rueden C, **Trumble BC**, Stieglitz J, Garcia A, Kraft T, Kaplan H, Gurven MD. Wealth-health gradients and health effects of material inequality in a small-scale subsistence society.
- (6) Garcia AR*, Blackwell AD, **Trumble BC**, Stieglitz J, Kaplan H, Gurven MD. Evidence for trade-offs between thymus volume, immune function, and height in a high pathogen population.
- (7) Hove CM†, **Trumble BC**, Anderson A†, Stieglitz J, Gurven M, Kaplan H, Blackwell AD. The Flexibility of Fetal Tolerance: Immune Function during pregnancy varies between ecologically distinct populations.
- (8) Moscovice LR, Fruth B, Hohmann G, **Trumble BC**, Jaeggi AV, Dominance or Tolerance? Evaluating ecological, social, and hormonal correlates of a prolonged period of inter-group encounters among LuiKotale bonobos.

Book Chapters

- (1) Gurven, M, Kaplan H, **Trumble BC**, Stieglitz J. (2019). The biodemography of human health in contemporary non-industrial populations: Insights from the Tsimane Health and Life History Project. In: *'Human Evolutionary Demography'*, edited by Oskar Burger, Ronald Lee and Rebecca Sear.

Book Reviews

- (1) **Trumble BC**. (2017). Review of "How Men Age: What Evolution Reveals about Male Health and Mortality". *American Journal of Human Biology* DOI 10.1002/ajhb.22968

Conference Abstracts (°undergrad, † grad student, * postdoc)

- (53) Irimia A, Kaplan H, **Trumble BC**, Adrian JC, Maher AS, Rostowsky KA, Chowdhury NF, Sutherland ML, Sutherland JD, Allam AH, HORUS research team, Rodriguez DE, Cummings DK Garcia AR, Rowan CJ, Miyamoto MI, Alami S, Seabright E, Barisano G, Mack WJ, Chui HC, Stieglitz J, Law M, Gutierrez RQ, Gurven M, Finch CE. Using Computed Tomography to Assess Brain Volumetrics in Aging. Accepted for presentation at the Alzheimer's Association International Conference (AAIC19) 2019
- (52) Gatz M, Kaplan H, **Trumble BC**, Thompson RC, Adrian JC, Sutherland ML, Sutherland JD, Chui HC, Rodriguez DE, Gutierrez RQ, Cummings DK, Seabright E, Lombardi GP, Michalik DE, Frohlich B, A, Highland H, Justice AE, North KE, Mack WJ, Thomas GS, Wann LS, Stieglitz J, Gurven M, Finch CE. APOE Genotype and Cognitive Performance in Tsimane and Mosen of Bolivia. Abstract accepted for presentation at the Alzheimer's Association International Conference (AAIC19) 2019
- (51) Thompson RC, **Trumble BC**, Gurven M, Rowan C, Walsworth K, Neunuebel F, Allam A, Frohlich B, Wann LS, Michalik DE, Sutherland ML, Sutherland JD, Lombardi GP, Beheim B, Stieglitz, Narula J, Min JK, Finch CE, Thomas GS, Kaplan H. Frequent Aortic Valve Calcium in a Population with Minimal Atherosclerosis. ICNC 2019.
- (50) Dinkel K°, Costa ME, Stieglitz J, Kaplan H, Gurven M, **Trumble BC**. Latrine use, boiled water, and bed nets: associations between biomarkers of immune status and public health in a subsistence population. *Human Biology Association 2019*.
- (49) Woolard K†, Garcia AR*, Stieglitz J, Kaplan H, Gurven M, **Trumble BC**. The relative influence of perceived social capital and perceived material wealth on biomarkers of health in lowland Bolivia. *Human Biology Association 2019*.

- (48) Charifson M†, Cummings DK, Stieglitz J, Kaplan H, Gurven M, **Trumble BC**. Energetics and Fecundity: The Impact of Obesity and Insulin on Life-time Parity. *Human Biology Association 2019*.
- (47) Gettler LT, Bond A*, **Trumble BC**, Boyette A. Mothers' and Fathers' Testosterone and Oxytocin in a Small-Scale Fishing-Farming Community: Variation Based on Marital Conflict and Paternal Contributions. *Human Biology Association 2019*.
- (46) Dinkel K°, Costa ME, Stieglitz J, Kaplan H, Gurven M, **Trumble BC**. Associations between immune biomarkers and public health in a subsistence population. *American Association for the Advancement of Science (AAAS) 2019*
- (45) Garcia AR*, **Trumble BC**, Marquez M, Gurven M, Blackwell AD. Diurnal neuroendocrine-immune regulation in ecological context: assessing relationships between cortisol and leukocytes among Honduran women. *Human Biology Association 2019*.
- (44) Garcia AR*, Murillo S, **Trumble BC**, Gurven M, Blackwell AD. Chronic stressors lead to dysregulated endocrine-immune function and diabetes risk in Honduran immigrant women. *American Association of Physical Anthropology 2019*.
- (43) Cummings DK, **Trumble BC**, Gurven M, Kaplan H. Forager-Horticulturalists more active, less sedentary than US population. *American Association of Physical Anthropology 2019*
- (42) **Trumble BC**, Garcia AR*, Cummings D, Kraft TS, Stieglitz J, Gurven M, Kaplan H. Collecting Biomarkers of Chronic Diseases of Ageing in Field Settings. *American Association of Physical Anthropology 2019*
- (41) Hové CM, **Trumble BC**, Anderson AS, Stieglitz J, Gurven M, Kaplan H, Blackwell AD. The flexibility of fetal tolerance: how immune function during pregnancy varies between two ecologically distinct populations. *American Association of Physical Anthropology 2019*
- (40) Anderson AD, Blackwell AD, **Trumble BC**, Thompson R, Wann LS, Allam AH, Beheim B, Frohlich B, Sutherland ML, Sutherland JD, Stieglitz J, Eid Rodriguez D, Irimia A, Law M, Chui H, Gatz M, Michalik DE, Rowan CJ, Lombardi GP, Bedi R, Garcia AR, Min JK, Narula J, Finch CE, Gurven M, Thomas GS. Porotic cranial lesions in living forager-horticulturalists: theoretical pathways and preliminary evidence. *American Association of Physical Anthropology 2019*
- (39) Thompson RC, **Trumble BC**, Gurven M, Rowan C, Walsworth K, Neunuebel F, Allam A, Frohlich B, Wann LS, Michalik DE, Sutherland ML, Sutherland JD, Lombardi GP, Beheim B, Stieglitz, Narula J, Min JK, Finch CE, Thomas GS, Kaplan H. Atherosclerosis as manifest by Thoracic Aorta Calcium: Insights from a remote native population with extremely low levels of coronary atherosclerosis and traditional CV risk factors. *American College of Cardiology Annual Meeting 2018*.
- (38) Highland HM, **Trumble BC**, Justice AE, Bedi R, Thompson RC, Wann LS, Rowan CJ, Allam AH, Miyamoto MI, Michalik DE, Frohlich B, Sutherland ML, Sutherland JD, Lombardi GP, Finch CE, Narula J, Thomas GS, Stieglitz J, Gurven MD, North KE, Kaplan H. Genetics of cardiovascular disease risk factors in the Tsimané. *American Society of Human Genetics 2018*.
- (37) Alcock J, Maldonado Ortiz J, **Trumble BC**. Out of step- circadian rhythm, the microbiome and shift worker health. *International Society for Evolution Medicine and Public Health 2018*.
- (36) Garcia AR, Murillo S, **Trumble BC**, Gurven M, Blackwell AD. An evolutionary perspective on the links between depression, neuroendocrine-immune interactions, and Type 2 Diabetes risk. *International Society for Evolution Medicine and Public Health 2018*.
- (35) Ozga A, **Trumble BC**, Dolobowsky Hopkins C, Schwartz M, Stieglitz J, Kaplan H, Gurven M, Stone AC. Dental calculus microbiome variation across foraging-farming and metropolitan populations. *International Society for Evolution Medicine and Public Health 2018*.
- (34) **Trumble BC**, Finch CE. The exposome in the evolution of human inflammatory responses: from dust to diesel. *International Society for Evolution Medicine and Public Health 2018*.
- (33) Stieglitz J, **Trumble BC**, Kaplan HK, Gurven M. Marital violence and fertility in a relatively egalitarian high fertility population. *American Association of Physical Anthropologists 2018*.
- (32) Anderson A, **Trumble BC**, Gurven M, Blackwell AD, Kaplan H. Effects of hookworm on hematological markers of anemia and immune function during pregnancy among Bolivian forager-farmers. *Human Biology Association 2017*.
- (31) Garcia AR, Blackwell AD, **Trumble BC**, Veile A, Kaplan H, Gurven M. Thymus volume, immune function, and growth in Tsimane children of the Bolivian Amazon. *Human Biology Association 2017*
- (30) Hove CM, Blackwell AD, **Trumble BC**, Maldonado Suarez I, Stieglitz J, Beheim B, Snodgrass JJ, Gurven M, Kaplan H. Immune modulation during pregnancy in a non-industrialized and high pathogen context. *Human Biology Association 2017*

- (29) Kaplan H, Thompson R, **Trumble BC**, Wann LS, Allam AH, Beheim B, Frohlich B, Sutherland ML, Sutherland JD, Stieglitz J, Eid Rodriguez D, Michalik DE, Rowan CJ, Lombardi GP, Bedi R, Garcia AR, Min JK, Narula J, Finch CE, Gurven M, Thomas GS. Native South American Tsimane Have the Lowest Levels of CAD Ever Reported. *American College of Cardiology Annual Meeting 2017*.
- (28) Gurven M, **Trumble BC**, Stieglitz J, Blackwell AD, Wann LS, Allam AH, Beheim B, Frohlich B, Sutherland ML, Sutherland JD, Eid Rodriguez D, Michalik DE, Rowan CJ, Lombardi GP, Bedi R, Garcia AR, Min JK, Narula J, Finch CE, Thomas GS, Kaplan H. Atherosclerosis in contemporary preindustrial populations: does it exist and is it clinically relevant? *American Association of Physical Anthropologists 2017*
- (27) Blackwell AD, **Trumble BC**, Maldonado Suarez I, Stieglitz J, Beheim B, Snodgrass JJ, Kaplan H, Gurven M. Immune function across the life-span in Amazonian horticulturalists. *American Association of Physical Anthropologists 2017*
- (26) Stieglitz J, **Trumble BC**, Kaplan H, Gurven M. Horticultural activity predicts later localized limb status in a contemporary pre-industrial population. *American Association of Physical Anthropologists 2017*
- (25) **Trumble BC**, Stieglitz J, Blackwell AD, Beheim B, Cummings DK, Kaplan H, Gurven M. Associations between biomarkers of immune function and cognitive performance in forager-horticulturalists with high parasite and pathogen loads. *American Association of Physical Anthropologists 2017*
- (24) Von Rueden C, **Trumble BC**, Blackwell AD, Stieglitz J, Kaplan H, Gurven M Political influence associates with cortisol and health among egalitarian forager-farmers *International Society for Evolution Medicine and Public Health 2016*
- (23) Blackwell AD, **Trumble BC**, Maldonado Suarez I, Stieglitz J, Beheim B, Snodgrass JJ, Kaplan H, Gurven M. Immune Function in Amazonian Horticulturalists. *International Society for Evolution Medicine and Public Health 2016*
- (22) **Trumble BC**, Stieglitz J, Blackwell A, Allayee H, Beheim B, Finch CE, Gurven M, Kaplan H. Protective impact of ApoE4 on cognitive performance of older adult Tsimane foragerhorticulturalists. *International Society for Evolution Medicine and Public Health 2016*
- (21) Kaplan H, **Trumble BC**, Stieglitz J, Eid D, Gurven M. Cancer in an Indigenous Native South American Population: Initial insights into the natural history of cancer in traditional subsistence populations. *International Society for Evolution Medicine and Public Health 2016*
- (20) Anderson A, **Trumble BC**, Kaplan H, Gurven M, Blackwell AD. Predictors of microcytic and macrocytic anemia in the Bolivian Amazon. *American Association of Physical Anthropologists 2017*
- (19) Blackwell AD, Urlacher SS, Beheim B, von Ruden C, Jaeggi A, Stieglitz J, **Trumble BC**, Gurven M, Kaplan, H. Growth references for Amazonian populations *American Association of Physical Anthropologists 2017*
- (18) **Trumble BC**, Stieglitz J, Jaeggi AV, Beheim BA, Schwartz M, Seabright E, Cummings D, Kaplan HL, Gurven M The impact of a natural disaster on physical and mental health: Offspring morbidity and crop loss as mediators of paternal testosterone, cortisol, and depression among Bolivian forager-farmers. *American Association of Physical Anthropologists 2017*
- (17) Muller MN, Emery Thompson M, Beheim BA, Enigk DK, Gurven M, Sabbi K, **Trumble BC**, Wrangham RW, Kaplan H. Testosterone, musculature, and development in Kanyawara chimpanzees and Tsimane forager-horticulturalists. *American Association of Physical Anthropologists 2017*
- (16) **Trumble BC**, Eid Rodriguez DE, Cortez Linares E, Kaplan H, Gurven MD. Challenging the inevitability of prostate enlargement: low levels of benign prostatic hyperplasia among Tsimane forager-horticulturalists *International Society for Evolution Medicine and Public Health 2015*
- (15) **Trumble BC**, Blackwell AD, Emery Thompson M, Stieglitz J, Gurven M, Kaplan H. Testing the steroid-immunocompetence handicap hypothesis among Tsimane Forager-Horticulturalists. *Human Biology Association 2015*
- (14) **Trumble BC**, Cummings DK, Stieglitz J, Beheim B, Pontzer H, Kaplan H, Gurven M. Energetic costs of testosterone: higher testosterone associated with greater lean muscle mass and total energetic expenditure among Tsimane forager-horticulturalists. *American Association of Physical Anthropologists 2015*
- (13) **Trumble, BC**, Eid Rodriguez DE, Cortez Linares E, Kaplan H, Gurven MD. Low Levels of Benign Prostatic Hyperplasia among Bolivian Forager-Horticulturalists. *Human Biology Association 2014*
- (12) Emery Thompson M, Beheim B, Blackwell AD, Stieglitz J, **Trumble BC**, Gurven M, Kaplan H. Immunosenescence in Tsimane forager-horticulturalists. *American Association of Physical Anthropologists 2014*
- (11) Gurven MD, Costa M, Eid Rodriguez D, Stieglitz J, **Trumble BC**, Beheim B, Kaplan H. Costs of reproduction and maternal depletion in a high fertility and mortality population. *Population Association of America 2014*

- (10) **Trumble BC**, Eid Rodrigues D, Cortez Linarez E, Kaplan HS, Gurven MD. Challenging the Inevitability of Age Related Prostate Enlargement: Low Levels of Benign Prostatic Hyperplasia among Bolivian Amerindians. *Population Association of America Meetings 2013*
- (9) **Trumble BC**, Smith EA, O'Connor KA, Kaplan HS, Gurven MD. Challenge hypothesis and hunting success: male salivary testosterone increases at the time of the kill and upon returning home for successful Tsimane hunters. *Human Behavior and Evolution Society Conference 2012*.
- (8) **Trumble BC**, Cummings DK, Holman DJ, O'Connor KA, Gurven MD, Kaplan HS. Acute changes in male salivary testosterone in response to intense physical activity among Tsimane forager-horticulturalists. *Human Biology Association 2012*.
- (7) **Trumble BC**, Cummings DK, von Rueden CR, O'Connor KA, Smith EA, Gurven MD, Kaplan HS. Changes in male salivary testosterone in response to competitive soccer matches among the Tsimane of the Bolivian Amazon. *The Human Biology Association 2011*.
- (6) Blackwell AD, **Trumble BC**, von Rueden CR, Steiglitz J, Cummings D, Emery Thompson M, Snodgrass JJ, Fitzgerald E, Shattuck-Faegre H, Gurven MD, Kaplan HS. Don't bring your cough to the gun show: Testosterone, immunocompetence, strength and dominance in an Amazonian horticulturalist population. *Human Behavior and Evolution Society Conference 2011*.
- (5) O'Connor KA, Snipes SA, Hayes Constant TK, Chan Ridley M, Goodreau SM, **Trumble BC**, Morrison DM, Shell-Duncan BK, Guyton AC, Pelman RS. "Man Up": Qualitative findings from the Health Initiative for Men (HIM) Study. *The Population Association of America Meetings of America 2011*.
- (4) O'Connor KA, Snipes SA, Hayes Constant TK, Chan Ridley M, Goodreau SM, **Trumble BC**, Morrison DM, Shell-Duncan BK, Guyton AC, Pelman RS. "Man Up": Qualitative findings from the Health Initiative for Men (HIM) Study. *Western section of the American Urological Association Annual Meeting 2010*.
- (3) **Trumble BC**, Holman DJ, Salisbury R. The hazard of death on Mount Everest: individual success and death over time. *American Association of Physical Anthropologists 2010*.
- (2) **Trumble BC**, Brindle E, Kupsik M, O'Connor KA. The effect of a single missed evening meal on morning salivary testosterone in young adult males. *Human Behavior and Evolution Society Conference 2009*.
- (1) **Trumble BC**, Brindle E, Kupsik M, O'Connor KA. The effect of a single missed evening meal on morning salivary testosterone in young adult males. *Annual Meeting of the Human Biology Association 2009*.

Invited Talks/Seminars

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| 2019 | <i>Modern Problems Require Ancient Understandings</i> . Center for Evolution and Medicine, Arizona State |
| 2019 | <i>Chronic Diseases of Aging in an Evolutionary Context</i> . Sigma Xi, Arizona State University |
| 2018 | <i>Chronic Diseases of Aging in an Evolutionary Context</i> . University of Washington Center for Studies in Demography and Ecology |
| 2018 | <i>The Trouble with too much testosterone: what hunter-gatherers can teach us about endocrinology</i> . Mayo Clinic and Center for Evolution and Medicine Outreach Event. |
| 2015 | <i>Surviving the Flood: Endocrine and Health Impacts of Natural Disaster in a Subsistence Population</i> . University of California Los Angeles, Behavior Evolution and Culture Seminar Series |
| 2013 | <i>Biomarkers and Behavior in Industrial and Subsistence Populations</i> . Institute for Advanced Study, Toulouse France |
| 2013 | <i>Collecting and Interpreting Biomarker: An introduction for social scientists</i> . Broom Center for Demography, UC Santa Barbara |
| 2013 | <i>Challenging the Inevitability of Age Related Prostate Enlargement: Low Levels of Benign Prostatic Hyperplasia among Bolivian Amerindians</i> . Broom Center for Demography, UC Santa Barbara |
| 2012 | <i>Testosterone, energetics, and male life-history</i> . IGERT Program in Evolutionary Modeling. University of Washington and Washington State University |

Awards and Fellowships

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| 2018 | Fellow of the Human Biology Association |
| 2008-2010 | NIH/NICHD Predoc Fellowship, Center for Studies in Demography and Ecology University of Washington |
| 2012 | EE Hunt Jr. Prize for Best Student Poster, Human Biology Association |
| 2012 | Dean's Letter for Teaching Evaluations, University of Washington |
| 2010 | Department Pilot Funding Award, University of Washington |
| 2010 | Baldwin Scholarship, University of Washington |
| 2006 | Graduated Phi Beta Kappa, University of California Santa Barbara |

Trainees Supervised**Current Postdoctoral Scholars:**

Angela Garcia, PhD

Current Graduate Students:

Chair: Mia Charifson, BS, School of Human Evolution and Social Change, ASU

Chair: Kate Woolard BA, School of Human Evolution and Social Change, ASU

Co-Chair: Jaelyn Thomas MA, School of Human Evolution and Social Change, ASU

Committee Member: Anthony Basile, BA. School of Life Sciences, ASU

Committee Member: Scott Collins, BA. School of Human Evolution and Social Change, ASU

Committee Member: Victoria Woner, MA. Psychology Department, ASU

Completed Graduate Students:

Committee Member: Andrew Bishop, BA. School of Human Evolution and Social Change, ASU, 2019 PhD

Committee Member: Angela Garcia, PhD. Department of Anthropology, University of California Santa Barbara, 2018 PhD

Committee Member: Ian Irmischer, PhD. Department of Geography, University of California Santa Barbara, 2016 PhD

Undergraduate Honors Theses:

Chair: Dana Zuo, School of Life Sciences, Arizona State University. 2018

Chair: Katelyn Dinkel, School of Human Evolution and Social Change, Arizona State University. 2019

Teaching

2020	Spring. Instructor, Arizona State University, <i>ASM 294/BIO 294 Introduction to Evolutionary Medicine</i> . [71 undergraduates]
2020	Spring. Instructor, Arizona State University, <i>ASM 294/BIO 294 Introduction to Evolutionary Medicine</i> . [23 undergraduates]
2019	Fall. Instructor, Arizona State University, <i>ASM 294/BIO 294 Introduction to Evolutionary Medicine</i> . [22 undergraduates]
2019	Spring. Instructor, Arizona State University, <i>ASB 494/598/BIO 494/598 Reproductive Ecology Graduate Seminar</i> [15 Students, 7 graduate students, 8 undergraduates]
2019	Spring. Instructor, Arizona State University, <i>ASM 394/BIO 394 Evolution and Medicine Visiting Speaker Recitation</i> [12 undergraduates]
2018	Fall. Instructor, Arizona State University, <i>ASM 294/BIO 294 Introduction to Evolutionary Medicine</i> . [76 undergraduates]
2018	Spring. Instructor, Arizona State University Online, <i>ASM 294/BIO 294 Introduction to Evolutionary Medicine</i> . [22 undergraduates]
2017	Fall. Instructor, Arizona State University, <i>ASM 294/BIO 294 Introduction to Evolutionary Medicine</i> . [18 undergraduates]
2017	Spring. Instructor, Arizona State University, <i>ASM 294/BIO 294 Introduction to Evolutionary Medicine</i> . [12 undergraduates]
2014	Autumn. Instructor, University of California Santa Barbara, <i>Anthropology 177AB: Reproductive Ecology and Behavioral Endocrinology</i> . [36 undergraduates]
<i>Co-Instructor</i>	
2012	Winter. Co-Instructor/Teaching Assistant, University of Washington, <i>Biocultural Anthropology 455: Reproductive Ecology Laboratory Seminar</i> .

Teaching and Research Development

2017	ASU-CLAS NIH Grant Training Workshop
2016	Provost Teaching Academy Training
2012	Diversity and Inclusion in Teaching Workshop, University of Washington
2006	Anthropology 599: Effective Teaching of Anthropology, University of Washington.

Academic Service

Ad hoc Reviewer for: *National Science Foundation (NSF)*, *Leakey Foundation*, *Proceedings of the Royal Society B*,

PlosONE, Demography, International Journal of Primatology, Biological Psychology, Human Nature, Adaptive Human Behavior and Physiology, Hormones and Behavior, American Journal of Human Biology, Physiology and Behavior

University Level Service

2019-Present SOLS/CEM Search Committee
2018-Present Research Committee, School of Human Evolution and Social Change
2018-2019 Chair of the Research Committee, School of Human Evolution and Social Change
2018-2019 SOLS/CEM Search Committee
2018 SHESC Search Committee (targeted hire Spring 2018)
2017-Present Research Committee, School of Human Evolution and Social Change
2017 Faculty Senate (temporary appointment Fall 2017)
2017 SHESC Search Committee (targeted hire Fall 2017)
2017 Curriculum Committee for Global Health MS, School of Human Evolution and Social Change
2016-Present Education Committee, Center for Evolution and Medicine
2016-Present Space Allocation, Center for Evolution and Medicine

National Level Service

2018-2019 *American Association of Physical Anthropology* Student Presentations Judge Committee
2018-2019 Program Committee *Human Biology Association*
2018-2019 *Human Biology Association* Student Presentations Judge Committee
2017-2018 Program Committee *American Association of Physical Anthropology*
2015 Program Committee *American Association of Physical Anthropology*

Certifications

Managing Hazardous Chemicals, Hazardous Chemical Waste Disposal, Biosafety and Blood Borne Pathogen Training, Emergency Medical Technician (Certification-EMT 1), CPR for the Professional Rescuer, Open Water Dive Certification (PADI)

Languages

Spanish, Tsimane (basic), STATA, Adobe Photoshop, Microsoft Office, Gen5, MOSIX, MLE.

Media Attention

Television: *PBS*

Radio: *NPR, LBC Radio 97.3 (London)*

Print: *New York Times, PBS, CNN, The Atlantic, BBC, Washington Post, TIME Magazine, LA Times, NPR, Science Magazine News (ScienceNOW), New Scientist, SFWeekly, Santa Barbara News-Press, ABC Science Australia, Vice, US News and World Report, Forbes, Yahoo News, Huffington Post, Radio America, MSN, Fox News, NBC News, Newsweek, New York Post, Der Spiegel, ABC News, The Guardian, El Pais, Mirror, Sun Herald, The Independent.*

The 2017 Lancet Article was the 57th most discussed article of 2017, with more than 300 news articles (Altmetric top 100 articles of 2017): <https://www.altmetric.com/top100/2017/#list&article=17670465>

Professional Affiliations

Tsimane Health and Life History Project	Population Association of America
Center for Studies in Demography and Ecology	American Association of Physical Anthropologists
Human Behavior and Evolution Society	Fellow of the Human Biology Association
International Society for Evolution, Medicine, & Public Health	Broom Center for Demography
American Association for the Advancement of Science (AAAS)	Center for Evolution and Medicine Core Faculty