

Educational History:

- Ph.D. 2005 Harvard University, Cambridge, MA, Anthropology
Endocrinology and Ecology of Wild Female Chimpanzee Reproduction,
Richard W. Wrangham & Cheryl D. Knott, dissertation co-advisors
- A.M. 2000 Harvard University, Cambridge, MA, Anthropology
- B.S. 1997 Emory University, Atlanta, GA, Anthropology & Human Biology,
summa cum laude, phi beta kappa

Employment History Part I, Principal Positions:

Assistant Professor, 2013-present, Department of Anthropology, University of New Mexico, Albuquerque, NM

Research Assistant Professor, 2009-2013, Department of Anthropology, University of New Mexico, Albuquerque, NM

Adjunct Assistant Professor, 2008-2009, Department of Anthropology, University of New Mexico, Albuquerque, NM

Postdoctoral Fellow, 2005-2007, Department of Anthropology, Harvard University, Cambridge, MA

Employment History Part II, Concurrent Appointments/Consultantships:

Board of Directors, 2008-present, Kibale Chimpanzee Project, Fort Portal, Uganda

Co-Director, 2008-present, Hominoid Reproductive Ecology Laboratory, Department of Anthropology, University of New Mexico, Albuquerque, NM

Research Associate, 2009-2013, Department of Human Evolutionary Biology, Harvard University, Cambridge, MA

Research Associate, 2005-2013, Department of Anthropology, Boston University, Boston, MA

Laboratory Manager, 2005-2007, Primate Reproductive Ecology Laboratory, Harvard University, Cambridge, MA

Professional Recognition and Honors:

Editor's Choice Award, American Journal of Primatology, for most outstanding research article published in 2013

Nominee, 2012, University of New Mexico Outstanding Online Teacher of the Year

Distinguished Speaker in Biological Anthropology, 2012, University of Arizona School of Anthropology

3rd Annual Women in Science speaker, 2010, Indiana University

Eliot Fellowship, 2003, Harvard University

Merit Fellowship, 2002, Harvard University

Sheldon Traveling Fellowship, 2001, Harvard University

Certificate for Distinction in Teaching, 1999, 2000, 2001, 2004, Bok Center, Harvard University, five awards

Sherwood Washburn Fellowship, 1998-2001, Harvard University

National Science Foundation Graduate Research Fellowship, 1998-2002.

Phi Beta Kappa, 1997, Emory University

Narrative:

My research focuses on interactions of ecology, health, reproduction, and behavior in apes and humans. I use comparative primate models to shed light on the evolution of the human life history pattern and to examine the factors that contribute to life history variation, including energetics, stress, disease, and social relationships. In order to study these issues in natural settings, I use a combination of approaches from demography, behavioral ecology, and endocrinology. A major facet of my work is the development and application of minimally-invasive techniques for assessment of physiological processes. To that end, I co-direct the Hominoid Reproductive Ecology Laboratory at the University of New Mexico.

My primary research is with the Kibale Chimpanzee Project, a long-term field study of ecology, behavior, demography, and physiology of wild chimpanzees in Uganda. I am on the board of directors of the Kibale Chimpanzee Project and currently work on two federally-funded research programs that integrate longitudinal data from this site. I am co-PI on a National Science Foundation grant to study developmental trajectories in wild chimpanzees, with particular emphasis on how maternal factors contribute to variation in ontogenetic processes. I am also the lead PI on a multi-PI award from the National Institute of Aging to study the biodemography of aging in chimpanzees. This study aims to generate a wide variety of non-invasive data to evaluate contributions of energetic, social, and life histories processes to health and to provide comparative data for understanding the evolution of human aging. I work collaboratively with chimpanzee researchers at several other long-term sites. I also work with two field studies that are examining energetics and reproductive function in wild orangutan populations in Borneo and Sumatra. I collaborate with several researchers in evolutionary and clinical psychology to develop methods appropriate for behavioral and cognitive research programs. My laboratory provides fee-for-service assay work and student training, generating a large number of collaborations with researchers from UNM and elsewhere in a range of fields.

At UNM, I have taught courses on human life history and behavioral ecology (A160, A360), hormones and behavior (A560), primate sexual behavior (A560), and great ape behavior and cognition (A362). I have also taught the undergraduate honors seminar. My courses emphasize the ability to use evolutionary theory to understand real-world, relatable phenomena and the application of scientific data to evaluate ideas about the human organism and its history. I also do an extensive amount of laboratory training with students at all levels.

I have actively engaged in professional service as a way to learn about and shape my professional environment. At UNM, I served on the 2014-5 search committee for the Evolutionary Anthropology hire and serve on the faculty senate Information Technology Use committee, where I help evaluate a wide range of technology applications. I am a chair or co-chair of 4 dissertation committees and have served as a member of 13 more, including as an external member to students in UNM's psychology department and other universities in the U.S. and Mexico. I am an active member of the American Association of Physical Anthropologists and the International Primatological Society and present at most of the annual and biannual (respectively) meetings for each. I have been a member of scientific review panels for the NIH and NSF and serve on the editorial boards of *Hormones and Behavior* and *Adaptive Human Behavior & Physiology*. I am also a member of the IUCN-SSC Primate Specialists' Group, which evaluates and makes recommendations on conservation efforts for wild primates.

Scholarly Achievements

Articles Published in Refereed Journals:

Fedurek, P, KE Slocombe, DK Enigk, M Emery Thompson, RW Wrangham, and MN Muller. Published online March 2016. The relationship between testosterone production and long-distance calling in wild male chimpanzees. Behavioral Ecology & Sociobiology.

Georgiev, AV, D Christie, KA Rosenfield, AV Ruiz-Lambides, E Maldonado, M Emery Thompson, and D Maestripieri. 2016. Breaking the succession rule: the costs and benefits of an alpha-status take-over by an immigrant rhesus macaque on Cayo Santiago. Behaviour 153: 325-351.

Grebe, Nicholas M, M Emery Thompson, Steven W. Gangestad. 2016. Hormonal predictors of women's extra-pair vs. in-pair sexual attraction in natural cycles: implications for extended sexuality. Hormones and Behavior 78: 211-219.

Emery Thompson, M and MN Muller. 2016. Comparative phylogenetic perspectives on human reproductive behavior. Current Opinion in Psychology 7: 61-66.

Alvarado, LC, MN Muller, M Emery Thompson, M Klimek, I Nenko, and G Jasienska. 2015. The paternal provisioning hypothesis: effects of workload and testosterone production on men's musculature. American Journal of Physical Anthropology 158: 19-35.

Rushmore, J, AB Allison, EE Edwards, U Bagal, S Altizer, MR Cranfield, T Glenn, H Liu, L Mugisha, M Muller, RM Stumpf, M Emery Thompson, R Wrangham, MJ Yabsley. 2015. Screening great apes for putative sexually transmitted diseases: evidence of *Trichomonadidae* infections in wild chimpanzees (*Pan troglodytes*). American Journal of Primatology 77: 1075-1085.

Pontzer, H, DA Raichlen, BM Wood, M Emery Thompson, SB Racette, AZP Mabulla, and FW Marlowe. 2015. Energy expenditure and activity in Hadza hunter-gatherers. American Journal of Human Biology 27: 628-637.

Woodward, S, M Emery Thompson, and S Gangestad. 2015. Women exposed to the scents of fertile and luteal-phase women: Evaluative, competitive, and endocrine responses. Adaptive Human Behavior & Physiology 1:434-448.

Stieglitz, J, BC Trumble, M Emery Thompson, AD Blackwell, D Cummings, H Kaplan, and M Gurven. 2015. Depression as sickness behavior? A test of the host defense hypothesis in a high pathogen population. Brain, Behavior, and Immunity 49: 130-139.

Georgiev, AV, M Emery Thompson, TM Mandalaywala, and D Maestripieri. 2015. Oxidative stress as an indicator of the costs of reproduction among free-ranging rhesus macaques. Journal of Experimental Biology 218: 1981-1985.

- Trumble, B, J Stieglitz, M Emery Thompson, E Fuerstenberg, H Kaplan, and M Gurven. 2015. Testosterone and male cognitive performance in Tsimane forager-horticulturalists. American Journal of Human Biology 27: 582-586.
- Georgiev, AV, M Muehlenbein, S Prall, M Emery Thompson, and D Maestripieri. 2015. Male quality, dominance rank and mating success in free-ranging rhesus macaques. Behavioral Ecology 26: 763-772.
- Emery Thompson, M, MN Muller, and RW Wrangham. 2014. Male chimpanzees compromise the foraging success of their mates in Kibale National Park, Uganda. Behavioral Ecology and Sociobiology 68: 1973-1983.
- von Rueden, CR, BC Trumble, M Emery Thompson, J Stieglitz, AD Blackwell, HS Kaplan, and M Gurven. 2014. Political influence associates with cortisol and health among egalitarian forager-farmers. Evolution, Medicine, and Public Health 2014: 122-133.
- Emery Thompson, M, and AV Georgiev. 2014. The high price of success: costs of mating effort in male primates. International Journal of Primatology 35: 609-627.
- Benenson, J, MN Kuhn, PJ Ryan, AJ Ferranti, R Blondin, M Shea, C Charpentier, M Emery Thompson, and RW Wrangham. 2014. Human males appear more prepared than females to resolve conflicts with same-sex peers. Human Nature: An Interdisciplinary Biosocial Perspective 25: 251-268.
- Georgiev, AV, AF Russell, M Emery Thompson, E Otali, MN Muller, and RW Wrangham. 2014. The foraging costs of mating effort in male chimpanzees. International Journal of Primatology 35: 725-745.
- Emery Thompson, M. 2013. Comparative reproductive energetics of human and non-human primates. Annual Review of Anthropology 42, pp. 287-304.
- Emery Thompson, M. 2013. Reproductive ecology of wild female chimpanzees. American Journal of Primatology 75: 222-237. *Winner of AJP Editor's Choice Award for Most Outstanding Research Paper of 2013.*
- McCabe, GM and M Emery Thompson. 2013. Reproductive seasonality in wild Sanje mangabeys (*Cercocebus sanjei*), Tanzania: Relationship between capital breeding strategy and infant survival. Behaviour 150: 1399-1429.
- Griskevicius, V, JM Ackerman, SM Cantu, AW Delton, TE Robertson, JA Simpson, M Emery Thompson, JM Tybur. 2013. When the economy falters do people spend or save? responses to resource scarcity depend on childhood environments. Psychological Science 24: 197-205.
- Emery Thompson, M, MN Muller, and RW Wrangham. 2012. Variation in muscle mass in wild chimpanzees: application of a modified urinary creatinine method. American Journal of Physical Anthropology 149: 622-627.

- Emery Thompson, M, A Zhou, and CD Knott. 2012. Low testosterone correlates with delayed development in male orangutans. PLoS ONE 7: e47282.
- Emery Thompson, M, MN Muller, and RW Wrangham. 2012. The energetics of lactation and the return to fecundity in wild chimpanzees. Behavioral Ecology 23: 1234-1241.
- Benenson, JF, H Markovitz, M Emery Thompson, and RW Wrangham. 2011. Under threat of social exclusion, females exclude more than males. Psychological Science 22: 538-544.
- Muller, MN, M Emery Thompson, SM Kahlenberg, and RW Wrangham. 2011. Sexual coercion by male chimpanzees shows that female choice may be more apparent than real. Behavioral Ecology & Sociobiology 65: 921-933.
- Garver-Apgar, C, MA Heap, J Tybur, and M Emery Thompson. 2011. Evidence of intralocus sexual conflict: physically and hormonally masculine individuals have more attractive brothers relative to sisters. Evolution and Human Behavior 32: 423-432.
- Georgiev, A, M Emery Thompson, A Lokasola, and RW Wrangham. 2011. Seed-predation by bonobos (*Pan paniscus*) at Kokolopori, Democratic Republic of Congo. Primates 52: 309-314.
- Caldwell Hooper, A, SW Gangestad, M Emery Thompson, and AD Bryan. 2011. Testosterone and romance: the association of salivary testosterone with relationship status, commitment and satisfaction in heterosexual men and women. American Journal of Human Biology 23: 553-555.
- Emery Thompson, M, MN Muller, SM Kahlenberg, and RW Wrangham. 2010. Dynamics of social and energetic stress in wild female chimpanzees. Hormones and Behavior 58: 440-449.
- Gangestad, SW, L Merriman, M Emery Thompson. 2010. Men's oxidative stress, fluctuating asymmetry, and physical attractiveness. Animal Behaviour 80: 1005-1013.
- Gilby, IC, M Emery Thompson, J Ruane, and RW Wrangham. 2010. No evidence of short-term exchange of meat for sex among chimpanzees. Journal of Human Evolution 59: 44-53.
- Newton-Fisher, NE, M Emery Thompson, V Reynolds, C Boesch, L Vigilant. 2010. Paternity and social rank in Budongo Forest chimpanzees. American Journal of Physical Anthropology 142: 417-428.
- Knott, CD, M Emery Thompson, RM Stumpf, and M McIntyre. 2010. Female reproductive strategies in orangutans, evidence for female choice and infanticide counterstrategies in a species with frequent sexual coercion. Proceedings of the Royal Society B: Biological Sciences 277: 105-113.
- Emery Thompson, M, MN Muller, RW Wrangham, JS Lwanga, and KB Potts. 2009. Urinary C-peptide tracks seasonal and individual variation in energy balance in wild chimpanzees. Hormones and Behavior 55: 299-305.

- Benenson, JF, H Markovitz, M Emery Thompson, and RW Wrangham. 2009. Strength determines coalitional strategies in humans. Proceedings of the Royal Society B: Biological Sciences 276: 2589-2595.
- Stumpf, RM, M Emery Thompson, MN Muller & RW Wrangham. 2009. The context of female dispersal in Kanyawara chimpanzees. Behaviour 146: 629-656.
- Emery Thompson, M, ML Wilson, G Gobbo, MN Muller, and AE Pusey. 2008. Hyperprogesteronemia in response to *Vitex fischeri* consumption in wild chimpanzees (*Pan troglodytes schweinfurthii*). American Journal of Primatology 70: 1064-1071.
- Emery Thompson, M and RW Wrangham. 2008. Male mating interest varies with female fecundity in *Pan troglodytes* of Kanyawara, Kibale National Park. International Journal of Primatology 29: 885-905.
- Kahlenberg, SM, M Emery Thompson, MN Muller, and RW Wrangham. 2008. Immigration costs for female chimpanzees and male protection as an immigrant counterstrategy to intrasexual aggression. Animal Behaviour 76: 1497-1509.
- Emery Thompson, M, RM Stumpf, and AE Pusey. 2008. Female reproductive strategies and competition in apes: an introduction. International Journal of Primatology 29: 815-821.
- Stumpf, RM, M Emery Thompson, and CD Knott. 2008. A comparison of female mating strategies in *Pan troglodytes* and *Pongo spp.* International Journal of Primatology 29: 865-884.
- Emery Thompson, M and CD Knott. 2008. Urinary C-peptide of insulin as a non-invasive measure of energy balance in wild orangutans. Hormones and Behavior 53: 526-535.
- Kahlenberg, SM, M Emery Thompson, and RW Wrangham. 2008. Female competition over core areas in *Pan troglodytes*, Kibale National Park, Uganda. International Journal of Primatology 29: 931-947.
- Emery Thompson, M and RW Wrangham. 2008. Diet and reproductive function in wild female chimpanzees (*Pan troglodytes schweinfurthii*) at Kibale National Park, Uganda. American Journal of Physical Anthropology 135: 171-181.
- Anderson, HB, M Emery Thompson, CD Knott, and L Perkins. 2008. Fertility and mortality patterns of captive Bornean and Sumatran orangutans: is there a species difference in life history? Journal of Human Evolution 54: 34-42.
- Emery Thompson, M, JH Jones, AE Pusey, S Brewer-Marsden, J Goodall, D Marsden, T Matsuzawa, T Nishida, V Reynolds, Y Sugiyama, and RW Wrangham. 2007. Aging and fertility patterns in wild chimpanzees provide insights into the evolution of menopause. Current Biology 17: 2150-2156.

Townsend, SW, KE Slocombe, M Emery Thompson, and K Zuberbühler. 2007. Female-led infanticide in wild chimpanzees. Current Biology 17(10): 365-366.

Emery Thompson, M, SM Kahlenberg, IC Gilby, and RW Wrangham. 2007. Core area quality is associated with variance in reproductive success in chimpanzees at Kanyawara, Kibale National Park. Animal Behaviour 73: 501-512.

Muller, MN, SK Kahlenberg, M Emery Thompson, and RW Wrangham. 2007. Male coercion and the costs of promiscuous mating in chimpanzees. Proceedings of the Royal Society B: Biological Sciences 274: 1009-1014.

Emery Thompson, M, NE Newton-Fisher, and V Reynolds. 2006. Probable community transfer of parous adult female chimpanzees in the Budongo Forest, Uganda. International Journal of Primatology 27: 1601-1617.

Muller, MN, M Emery Thompson, and RW Wrangham. 2006. Male chimpanzees prefer mating with older females. Current Biology 16: 2234-2238.

Brewer-Marsden, S, D Marsden, M Emery Thompson. 2006. Demographic and female life history parameters of free-ranging chimpanzees at the Chimpanzee Rehabilitation Project, River Gambia National Park. International Journal of Primatology 27(2): 391-410.

Emery Thompson, M. 2005. Reproductive endocrinology of wild female chimpanzees (*Pan troglodytes schweinfurthii*): methodological considerations and the role of hormones in sex and conception. American Journal of Primatology 67:137-158.

Emery, MA and PL Whitten. 2003. Size of sexual swellings reflects ovarian function in wild chimpanzees (*Pan troglodytes*). Behavioral Ecology and Sociobiology 54: 340-351.

Santiago ML, M Lukasik, S Kamenya, Y Li, F Bibollet-Ruche, E Bailes, MN Muller, M Emery, DA Goldenberg, J Lwanga, A Ayoub, E Nerrienet, HM McClure, JL Heeney, DP Watts, AE Pusey, DA Collins, RW Wrangham, J Goodall, JFY Brookfield, PM Sharp, GM Shaw, and BH Hahn. 2003. Foci of endemic simian immunodeficiency virus infection in wild-living eastern chimpanzees (*Pan troglodytes schweinfurthii*). Journal of Virology 77(13): 7545-7562.

Articles Appearing in Chapters in Edited Volumes:

Emery Thompson, M. 2015. Sexual behavior. Emerging Trends in the Social and Behavioral Sciences. Edited by RA Scott and SM Kosslyn. Wiley & Sons.

Emery Thompson, M and Z Machanda. 2015. Chimpanzees. The International Encyclopedia of Human Sexuality, First Edition. Edited by P. Whelehan and A. Bolin. John Wiley & Sons, Inc.

Emery Thompson, M and RW Wrangham. 2013. *Pan troglodytes*. Mammals of Africa. Edited by DCD Happold, J Kingdon, and T Butynski. Bloomsbury Publishing, pp. 55-64.

Emery Thompson, M, and L Alvarado. 2012. Human sexual conflict and sexual coercion in comparative evolutionary perspective. Oxford Handbook of Sexual Conflict in Humans. Edited by A Goetz and T Shackelford. Oxford University Press, New York, pp. 100-121.

Newton-Fisher, NE and M Emery Thompson. 2012. Comparative evolutionary perspectives on violence. Oxford Handbook of Evolutionary Perspectives on Violence, Homicide, and War. Edited by T. Shackelford and V. Weekes-Shackelford. Oxford University Press, pp. 41-62.

Muller, MN and M Emery Thompson. 2012. Mating, parenting, and male reproductive strategies. The Evolution of Primate Societies. Edited by J Mitani, J Call, P Kappeler, R Palombit, and J Silk. University of Chicago Press, pp. 387-411.

Emery Thompson, M. 2009. Human rape: revising evolutionary perspectives. Sexual Coercion in Primates: An Evolutionary Perspective on Male Aggression Against Females. Edited by MN Muller, RW Wrangham. Harvard University Press, Cambridge, pp. 346-374.

Emery Thompson, M. 2009. The endocrinology of intersexual relationships among apes. The Endocrinology of Social Relationships. Edited by PB Gray and PT Ellison. Harvard University Press, Cambridge, MA. pp. 196-223.

Knott, CD, M Emery Thompson, and SA Wich. 2009. The ecology of reproduction in wild orangutans. Orangutans: Ecology, Evolution, Behaviour and Conservation. Edited by SA Wich, SS Utami, T Mitra Setia, and CP van Schaik. Oxford University Press, London. pp. 171-188.

Emery Thompson, M, RW Wrangham, V Reynolds. 2006. Urinary estrone conjugates and reproductive parameters in Kibale (Kanyawara) and Budongo (Sonso) chimpanzees. Primates of Western Uganda. Edited by NE Newton-Fisher, H Notman, V Reynolds, and J Paterson. Springer, New York, pp. 227-246.

Emery Thompson, M, RW Wrangham. 2006. Comparison of sex differences in gregariousness in fission-fusion species: reducing bias by standardizing for party size. Primates of Western Uganda. Edited by NE Newton-Fisher, H Notman, V Reynolds, and J Paterson. Springer, New York, pp. 209-226.

Other Scholarly Works:

Emery Thompson, M. 2014. Sexual conflict: Nice guys finish last [Dispatch]. Current Biology 24: R1125-1127.

Emery Thompson, M. 2014. Book Review: “Evolution and Human Sexual Behavior”, by P Gray and J Garcia. Journal of Anthropological Research 70: 138-139.

Emery Thompson, M. 2012. Book Review: “Games Primates Play: An Undercover Investigation of the Evolution and Economics of Human Relationships”, by D Maestriperi. Human Nature: An Interdisciplinary Perspective 23: 250-252.

Emery Thompson, M. 2012. Book Review: “How Culture Makes Us Human: Primate Social Evolution and the Formation of Human Societies”, by D Read. Journal of Anthropological Research 68: 434-435.

Works in Progress:

Accepted for Publication

Articles to be Published in Refereed Journals:

Pontzer, H, MH Brown, DA Raichlen, H Dunsworth, B Hare, K Walker, A Luke, LR Dugas, R Durazo-Arvizu, D Schoeller, J Plange-Rhule, P Bovet, TE Forrester, EV Lambert, M Emery Thompson, RW Shumaker, SR Ross. Expected 2016. Metabolic acceleration and the evolution of human brain size and life history. Nature.

Articles Appearing in Chapters in Edited Volumes:

Emery Thompson, M. Expected 2016. Menstruation. The International Encyclopedia of Primatology. Edited by A Fuentes et al., Wiley-Blackwell Press.

Emery Thompson, M. Expected 2016. Reproductive Seasonality. The International Encyclopedia of Primatology. Edited by A Fuentes et al., Wiley-Blackwell Press.

Emery Thompson, M and PT Ellison. Expected 2016. Fertility and fecundity. Chimpanzees and Human Evolution. Edited by MN Muller, RW Wrangham, and D Pilbeam. Harvard University Press.

Emery Thompson, M. Expected 2016. C-peptide of insulin. The International Encyclopedia of Primatology. Edited by A Fuentes et al., Wiley-Blackwell Press.

Emery Thompson, M. Expected 2016. Ovarian cycles. The International Encyclopedia of Primatology. Edited by A Fuentes et al., Wiley-Blackwell Press.

Submitted for Publication:

McCabe, G, M Emery Thompson, C Ehardt, and T Gillespie. Trade-offs between reproduction and immune response in female Sanje mangabeys (*Cercocebus sanjei*). Submitted to Behavioral Ecology (in revision, 9/2015).

Brown, M, R Jones, S Angedakin, M Emery Thompson. Reduced male body condition and elevated female energy balance correspond with group takeovers in redtails (*Cercopithecus ascanius*) and blue monkeys (*C. mitis*). Submitted to American Journal of Primatology (in revision, 9/2015).

Yeo, RA, SG Ryman, M Emery Thompson, MP van den Heuvel, MA de Reus, J Pommy, B Seaman, RE Jung. Cognitive specialization for verbal vs. spatial ability: neural and behavioral correlates. Submitted to Personality and Individual Differences (11/2015).

Emery Thompson, M, MN Muller, K Sabbi, ZP Machanda, E Otali, and RW Wrangham. Faster reproductive rates trade off against offspring growth in wild chimpanzees. Revision submitted to Proceedings of the National Academy of Sciences (3/2016).

Emery Thompson, M. Energetics of feeding, behavior, and life history. Invited contribution to special issue on “Field Endocrinology in Nonhuman Primates and Humans”. Submitted to Hormones and Behavior (1/2016).

Grebe, N, M Emery Thompson, and S Gangestad. Oxytocin and vulnerable romantic relationships: the ‘identify and invest’ hypothesis. Submitted to Hormones and Behavior (4/2016).

In Preparation

Emery Thompson, M, ZP Machanda, MN Muller, and RW Wrangham. Stress, aging, and the social chimpanzee. Commissioned manuscript for the National Institutes of Health and National Institute on Aging. Completed but publication venue not yet determined.

Emery Thompson, M. Reproductive Seasonality. *International Encyclopedia of Biological Anthropology*. Edited by W Trevathan.

Emery Thompson, M. Sexual coercion as a mechanism of sexual selection. *Encyclopedia of Evolutionary Psychological Science*. Edited by TK Shackelford & VA Weekes-Shackelford.

Emery Thompson, M. Barbara Smuts and Robert Smuts. *Encyclopedia of Evolutionary Psychological Science*. Edited by TK Shackelford & VA Weekes-Shackelford.

Bray, J, M Emery Thompson, MN Muller, RW Wrangham, and ZP Machanda. The ontogeny of feeding in wild chimpanzees (*Pan troglodytes schweinfurthii*).

Tang A, Dinces, SM, S Hile, L Rowell, J Pinter, M Emery Thompson, R Annett. Cancer experience modulates the relationship between child and parent hypothalamic-pituitary-adrenal (HPA) axis

Trumble, BC, A Blackwell, J Stieglitz, M Emery Thompson, IM Suarez, H Kaplan, M Gurven. Immuno-modulatory effects of testosterone among older men in a pathogenically stressed forager-horticulturalist population.

Emery Thompson, M. Reproductive behavior and diet. *Primate Diet and Nutrition: Needing, Finding and Using Food*. Edited by JE Lambert and J Rothman. Invited contribution.

Knott, CD, M Emery Thompson, and TW Susanto. The high cost of male reproductive effort in orangutans.

Knott, CD, and M Emery Thompson. The cost of being a flanged male: the evolution of bi-maturism in orangutans.

Gangestad, SW, LA Merriman, and M Emery Thompson. Physical fitness and other traits in relation to men's oxidative stress: moderation by developmental instability.

Kaplan, H, AD Blackwell, J Stieglitz, P Hooper, M Emery Thompson, and M Gurven. Immune function and aging among Tsimane foragers: rapid depletion of naïve CD4 cells is associated with increased natural killer cell counts in a subsistence population under high pathogen stress.

Brazeau, N, Z Machanda, A Smith, A Sandel, E Castillo, H Pontzer, M Emery Thompson, MN Muller, and RW Wrangham. Growth and ecology in wild chimpanzees: a photogrammetric analysis.

M Emery Thompson, ZP Machanda, SM Kahlenberg, MN Muller, and RW Wrangham. The context of copulation calls in wild chimpanzees.

Georgiev, AG, MN Muller, RW Wrangham, and M Emery Thompson. Diurnal variation in urinary C-peptide excretion in wild chimpanzees is related to ripe fruit variation.

Milich, KM, AV Georgiev, R Petersen, M Emery Thompson, D Maestripieri. Social status, seasonality, and stress: variation in GC concentrations of high-ranking male rhesus macaques (*Macaca mulatta*).

Gilby, IC, ZP Machanda, RC O'Malley, CM Murray, EV Lonsdorf, K Schroepfer-Walker, DC Mjungu, E Otali, MN Muller, M Emery Thompson, RW Wrangham, AE Pusey. Predation by female chimpanzees: implications for the hominin sexual division of labor.

Invited Lectures

Emery Thompson, M. Invited Lecture, Leakey Foundation/Chicago Center for Science & Technology, Chicago, IL. August 17, 2016.

Emery Thompson, M. Chimpanzee reproduction in context: a lifespan perspective. Chimpanzees in Context Symposium, Lincoln Park Zoo, Chicago, IL. August 18-20, 2016.

Emery Thompson, M. Life history tradeoffs in wild chimpanzees. New York Consortium in Evolutionary Primatology, New York, NY. May 21, 2016.

Emery Thompson, M. UCLA Center for Behavior, Evolution and Culture, Los Angeles, CA. November 23, 2015.

Emery Thompson, M. Magistral (Keynote Address): The secret lives of female chimpanzees. 5th Mexican Congress of Primatology, Veracruz, Mexico. June 29, 2015.

Emery Thompson, M. On less fertile ground: chimpanzee life histories in context. University of California Santa Barbara, Broom Center for Demography, Santa Barbara, CA. June 1, 2015.

Emery Thompson, M. On less fertile ground: chimpanzee life histories in context. University of Utah colloquium series, Salt Lake City, UT. April 23, 2015.

Emery Thompson, M. On less fertile ground: chimpanzee life histories in context. Arizona State University speaker series, Tempe, AZ. April 17, 2015.

Emery Thompson, M. Advances in the study of primate energetics. Universidad Veracruzana, Veracruz, Mexico. November 20-21, 2014.

Emery Thompson, M. Chimpanzees and the evolution of human life history. Duke University Evolutionary Anthropology Department seminar, Durham, NC. March 7, 2014.

Emery Thompson, M. Chimpanzees and the evolution of human life history. University of Arizona School of Anthropology, Distinguished Speaker Series, Tucson, AZ. March 21, 2013.

Emery Thompson, M. Chimpanzees and the evolution of human life history. Harvard University Department of Human Evolutionary Biology, Cambridge, MA. February 21, 2013.

Emery Thompson, M. Chimpanzees and the evolution of human life history. University of New Mexico Department of Anthropology, Albuquerque, NM. February 18, 2013.

Emery Thompson, M. Chimpanzees and the evolution of human life history. University of Chicago Department of Comparative Human Development, Chicago, IL. October 3, 2012.

Emery Thompson, M. The Future of Science and Conservation. Leakey Foundation Trustees' Dinner, San Francisco, CA. October 14, 2010.

Emery Thompson, M. The hidden lives of female apes. Evolutionary Studies (EvoS) Program, Binghamton University, Binghamton, NY. May 7, 2010.

Emery Thompson, M. Darwin Keynote Speaker: Hormones and the hidden lives of female apes. 3rd Annual Women in Science Speaker, Indiana State University, Terra Haute, IN. February 23, 2010.

Emery Thompson, M. Reproductive aging in chimpanzees. Primate Research Institute, University of Kyoto, Inuyama, Japan. November 19, 2008.

Emery Thompson, M. The ecology of reproduction in chimpanzees. University of New Mexico Department of Anthropology, Albuquerque, NM, April 24, 2008.

Emery Thompson, M. Determinants of reproductive success in wild chimpanzees. Yale University Department of Anthropology, New Haven, CT. November 16, 2006.

Emery Thompson, M. Ovarian hormones in wild chimpanzees: the role of hormones in sex and conception. Anthropology Day, Harvard University, Cambridge, MA. September 4, 2004.

Emery Thompson, M. Reproductive endocrinology of chimpanzees. Howard Hughes Medical Institute, Birmingham, AL, November 10, 2003.

Invited or Refereed Abstracts and/or Presentations at Professional Meetings:

Gilby, IC, ZP Machanda, RC O'Malley, CM Murray, DC Mjungu, K Schroepfer-Walker, E Otali, MN Muller, M Emery Thompson, RW Wrangham, AE Pusey. Sex differences in meat acquisition in three wild chimpanzee communities. Invited paper: 26th Congress of the International Primatological Society/39th Meeting of the American Society of Primatologists, Chicago, IL. August 21-27, 2016.

Foerster, S, ZP Machanda, P Bertolani, J Rosen, M Emery Thompson, CM Murray, MN Muller, RW Wrangham, AE Pusey. Population differences in space use overlap and its influence on sociality among female chimpanzees (*Pan troglodytes schweinfurthii*): A systematic comparison between Gombe and Kanyawara. Invited paper: 26th Congress of the International Primatological Society/39th Meeting of the American Society of Primatologists, Chicago, IL. August 21-27, 2016.

Machanda, ZP, M Emery Thompson, MN Muller, RW Wrangham. Maternal effects on the development of sex differences in association among wild chimpanzees (*Pan troglodytes schweinfurthii*). Podium paper: 26th Congress of the International Primatological Society/39th Meeting of the American Society of Primatologists, Chicago, IL. August 21-27, 2016.

Enigk, DK, M Emery Thompson, ZP Machanda, RW Wrangham, MN Muller. Competitive constraints on subadult male chimpanzee association patterns at Kanyawara, Kibale National Park, Uganda. Invited paper: 26th Congress of the International Primatological Society/39th Meeting of the American Society of Primatologists, Chicago, IL. August 21-27, 2016.

Sabbi, K, M Emery Thompson, MN Muller. Unlike human children, both male and female wild East African chimpanzees (*Pan troglodytes schweinfurthii*) at Kanyawara prefer male play partners. Podium paper: 26th Congress of the International Primatological Society/39th Meeting of the American Society of Primatologists, Chicago, IL. August 21-27, 2016.

Boehm, E, M Emery Thompson, ZP Machanda, MN Muller, E Otali, RW Wrangham, AE Pusey. Postconception swellings in wild chimpanzees at Kanyawara and Gombe. Invited paper: 26th Congress of the International Primatological Society/39th Meeting of the American Society of Primatologists, Chicago, IL. August 21-27, 2016.

Georgiev, AV, M Emery Thompson, D Christie, KA Rosenfield, A Ruiz-Lambides, E Maldonado, D Maestriperi. Correlates of androgen levels in male rhesus macaques (*Macaca*

mulatta) during a mating season following a direct take-over of the alpha position on Cayo Santiago. Podium paper: 26th Congress of the International Primatological Society/39th Meeting of the American Society of Primatologists, Chicago, IL. August 21-27, 2016.

Alvarado, LC, MN Muller, M Emery Thompson, M Klimek, I Nenko, G Jasienska. Men's reproductive ecology and diminished hormonal regulation of skeletal muscle phenotype: an analysis of between- and within-individual variation among rural Polish men. Podium paper: American Association of Physical Anthropologists 85th annual meeting, Atlanta, GA. April 13-16, 2016. American Journal of Physical Anthropology 159 S62: 78.

Boehm, EE, AE Pusey, Z Machanda, MN Muller, E O'tali, R Wrangham, and M Emery Thompson. Hormonal correlates of sexual swellings during pregnancy in wild chimpanzees (*Pan troglodytes schweinfurthii*) of Kanyawara and Gombe. Podium paper: American Association of Physical Anthropologists 85th annual meeting, Atlanta, GA. April 13-16, 2016. American Journal of Physical Anthropology 156 S60: 98.

Chalk, J, ER Vogel, CE Wall, P Izar, and M Emery Thompson. Quantifying urinary C-peptide levels in wild tufted capuchins: a validation of filter paper storage methods. Podium paper: American Association of Physical Anthropologists 85th annual meeting, Atlanta, GA. April 13-16, 2016. American Journal of Physical Anthropology 156 S60: 112.

Gilby, IC, ZP Machanda, RC O'Malley, CM Murray, DC Mjungu, E O'tali, MN Muller, M Emery Thompson, W Wrangham, AE Pusey. Predation by female chimpanzees at Gombe and Kibale: toward an understanding of sex differences in meat acquisition. Podium paper: American Association of Physical Anthropologists 85th annual meeting, Atlanta, GA. April 13-16, 2016. American Journal of Physical Anthropology 156 S60: 154.

Milich, KM, AV Georgiev, R Petersen, M Emery Thompson, and D Maestriperi. Social status, seasonality, and stress: Variation in glucocorticoid concentrations of high-ranking male rhesus macaques (*Macaca mulatta*). Podium paper: American Association of Physical Anthropologists 85th annual meeting, Atlanta, GA. April 13-16, 2016. American Journal of Physical Anthropology 156 S60: 229.

Muller, MN, M Emery Thompson, BA Beheim, DK Enigk, M Gurven, S Sabbi, B Trumble, RW Wrangham, and HS Kaplan. Testosterone, musculature, and development in Kanyawara chimpanzees and Tsimane forager-horticulturalists. Podium paper: American Association of Physical Anthropologists 85th annual meeting, Atlanta, GA. April 13-16, 2016. American Journal of Physical Anthropology 156 S60: 236.

Emery Thompson, M, K Langergraber, ZP Machanda, MN Muller, E O'tali, and RW Wrangham. Age-related changes in social affiliation in East African chimpanzees (*Pan troglodytes schweinfurthii*). Invited paper: 26th Congress of the International Primatological Society/39th Meeting of the American Society of Primatologists, Chicago, IL. August 21-27, 2016.

Emery Thompson, M, ZP Machanda, N Brazeau, MN Muller, and RW Wrangham. Tradeoffs between reproductive rate and offspring growth in wild chimpanzees. Invited paper: American

Association of Physical Anthropologists 84th annual meeting, St. Louis, MO. March 25-29, 2015. American Journal of Physical Anthropology 156 S60: 128.

Vogel, E, JM Rothman, AM Moldawer, TD Bransford, M Emery Thompson, MA van Noordwijk, S Utami Atmoko, BE Crowley, CD Knott, WM Erb, D Raubenheimer. Coping with a challenging environment: nutritional balancing, health, and energetics in wild Bornean orangutans. Podium paper: American Association of Physical Anthropologists 84th annual meeting, St. Louis, MO. March 25-29, 2015. American Journal of Physical Anthropology 156 S60: 314-315.

Erb, WM, MA van Noordwijk, T Mitra-Setia, TD Bransford, B Spillman, LP Dunkel, M Emery Thompson, and ER Vogel. Energetic effects on the long calls of adult male Bornean orangutans (*Pongo pygmaeus wurmbii*). Podium paper: American Association of Physical Anthropologists 84th annual meeting, St. Louis, MO. March 25-29, 2015. American Journal of Physical Anthropology 156 S60: 129.

Machanda, Z, NF Brazeau, E Castillo, E Otarola-Castillo, H Pontzer, M Emery Thompson, M Muller, and RW Wrangham. Musculoskeletal growth patterns in wild chimpanzees (*Pan troglodytes*). Podium paper: American Association of Physical Anthropologists 84th annual meeting, St. Louis, MO. March 25-29, 2015. American Journal of Physical Anthropology 156 S60: 209.

Georgiev, AP, MP Muehlenbein, SP Prall, M Emery Thompson, and D Maestripieri. Innate immune function and oxidative stress as measures of male quality in Cayo Santiago rhesus macaques. Podium paper: American Association of Physical Anthropologists 84th annual meeting, St. Louis, MO. March 25-29, 2015. American Journal of Physical Anthropology 156 S60: 143.

Emery Thompson, M. Sex and the stressed-out chimpanzee. Invited paper: Social Neuroendocrinology pre-conference, Society for Personality and Social Psychology, Long Beach, CA. February 26, 2015.

Emery Thompson, M, MN Muller, AV Georgiev, ZP Machanda, and RW Wrangham. Energetic and social constraints on the life histories of chimpanzees. Invited paper: 37th Meeting of the American Society of Primatologists, Atlanta, GA. September 12-15, 2014. American Journal of Primatology 76 Suppl 1: 48.

Emery Thompson, M, A Georgiev, K Sabbi, ZP Machanda, MN Muller, RW Wrangham. Primate energetics: Methods and practice. Invited paper: International Primatological Society 25th Congress, Hanoi, Vietnam. August 11-16, 2014.

Knott, CD and M Emery Thompson. The impact of food and energetic stress on the hormonal functioning and conservation viability of wild Bornean orangutans. Invited paper: International Primatological Society 25th Congress, Hanoi, Vietnam. August 11-16, 2014.

McCabe, G and M Emery Thompson. Energetics of nursing in Sanje mangabeys, *Cercocebus sanjei*. Podium paper: International Primatological Society 25th Congress, Hanoi, Vietnam. August 11-16, 2014.

Sabbi, K, M Emery Thompson, Z Machanda, MN Muller, and RW Wrangham. Chimpanzee play styles mirror adult social patterns. Podium paper: International Primatological Society 25th Congress, Hanoi, Vietnam. August 11-16, 2014.

Machanda, Z, S Ko, M Emery Thompson, E Oтали, S Kahlenberg, M Muller, and R Wrangham. The development of aggressive play behavior in wild chimpanzees. Podium paper: International Primatological Society 25th Congress, Hanoi, Vietnam. August 11-16, 2014.

Erb, W, MA van Noordwijk, T Mitra-Setia, TD Bransford, B Spillman, LP Dunkel, M Emery Thompson, ER Vogel. Do long calls indicate male energy status in Bornean orangutans (*Pongo pygmaeus wurmbii*)? Podium paper: International Primatological Society 25th Congress, Hanoi, Vietnam. August 11-16, 2014.

Enigk, D, M Emery Thompson, ZP Machanda, RW Wrangham, and MN Muller. Adolescent males are responsible for dyadic social interactions with adult males in wild chimpanzees (*Pan troglodytes schweinfurthii*) in Kibale National Park, Uganda. Podium paper: International Primatological Society 25th Congress, Hanoi, Vietnam. August 11-16, 2014.

Dinces, S, LN Rowell, JFL Pinner, SN Hile, M Emery Thompson, AC Tang, and RD Annett. Consistent familial warmth predicts child cortisol levels. Poster: Society of Biological Psychiatry 69th annual meeting, New York, NY. May 8-10, 2014.

Emery Thompson, M, BA Beheim, AD Blackwell, J Stieglitz, BC Trumble, M Gurven, H Kaplan. Immunosenescence in Tsimane forager-horticulturalists. Podium paper: American Association of Physical Anthropologists 83rd annual meeting, Calgary, Alberta, Canada. April 7-12, 2014. American Journal of Physical Anthropology 153 Suppl. 58: 114.

Enigk, DK, MN Muller, ZP Machanda, RW Wrangham, and M Emery Thompson. Increased preference for spatial association with adult males during adolescence in wild male chimpanzees. Podium paper: American Association of Physical Anthropologists 83rd annual meeting, Calgary, Alberta, Canada. April 7-12, 2014. American Journal of Physical Anthropology 153 Suppl. 58: 114-115.

Brown, M and M Emery Thompson. Strong group effects on energetic balance in redbellied monkeys (*Cercopithecus ascanius*). Podium paper: American Association of Physical Anthropologists 83rd annual meeting, Calgary, Alberta, Canada. April 7-12, 2014. American Journal of Physical Anthropology 153 Suppl. 58: 86.

Vogel, ER, TD Bransford, AM Moldawer, MA van Noordwijk, S Utami Atmoko, M Emery Thompson, and CD Knott. Do Bornean orangutans (*Pongo pygmaeus wurmbii*) in a peat-swamp habitat experience energetic stress during periods of fruit scarcity? Podium paper: American

Association of Physical Anthropologists 83rd annual meeting, Calgary, Alberta, Canada. April 7-12, 2014. American Journal of Physical Anthropology 153 Suppl. 58: 262.

Muller, MN, SM Kahlenberg, M Emery Thompson, and RW Wrangham. Male sexual coercion and female mating preferences in wild chimpanzees. Podium paper: American Association of Physical Anthropologists 83rd annual meeting, Calgary, Alberta, Canada. April 7-12, 2014. American Journal of Physical Anthropology 153 Suppl. 58: 191.

Sabbi, K, M Emery Thompson, M Muller, and RW Wrangham. Patterns of cortisol excretion and social behavior among juvenile chimpanzees (*Pan troglodytes schweinfurthii*) of the Kanyawara community at Kibale National Park. Podium paper: American Association of Physical Anthropologists 83rd annual meeting, Calgary, Alberta, Canada. April 7-12, 2014. American Journal of Physical Anthropology 153 Suppl. 58: 227.

Alvarado, LC, MN Muller, M Emery Thompson, M Klimek, I Nenko, and G Jasienska. Seasonal fluctuation of men's testosterone levels and body composition in rural Poland. Podium paper: American Association of Physical Anthropologists 83rd annual meeting, Calgary, Alberta, Canada. April 7-12, 2014. American Journal of Physical Anthropology 153 Suppl. 58: 65-66.

Machanda, ZP, M Emery Thompson, MN Muller, and RW Wrangham. Sex differences in the development of long-term association patterns among wild chimpanzees (*Pan troglodytes schweinfurthii*). Podium paper: American Association of Physical Anthropologists 83rd annual meeting, Calgary, Alberta, Canada. April 7-12, 2014. American Journal of Physical Anthropology 153 Suppl. 58: 65-173.

Rowell, LN, S Dinces, S Hile, J Pinner, M Emery Thompson, S Erickson, and R Annett. Internalizing behavior and hypothalamic-pituitary-adrenal axis functioning in children with mild/moderate asthma. Poster: Society of Pediatric Psychology, Philadelphia, PA. March 27-29, 2014.

Dinces, SM, LN Rowell, SN Hile, M Emery Thompson, AC Tang, SJ Erickson, and RD Annett. Hypothalamic-pituitary-adrenal axis function predicts child neuropsychological functioning at 3 year follow up. Poster: International Neuropsychological 42nd annual meeting, Seattle, WA. February 12-15, 2014. Journal of the International Neuropsychological Society 20 Suppl. 1: 12.

Machanda, ZP, S Ko, M Emery Thompson, E Oтали, SM Kahlenberg, MN Muller and RW Wrangham. The development of aggressive play behavior in wild chimpanzees. Podium paper: American Association of Physical Anthropologists 82nd annual meeting, Knoxville, TN, April 9-13, 2013. American Journal of Physical Anthropology 150 (S56): 184.

Emery Thompson, M, ZP Machanda, MN Muller, SM Kahlenberg and RW Wrangham. Context of copulation calls in wild chimpanzees. Podium paper: American Association of Physical Anthropologists 82nd annual meeting, Knoxville, TN, April 9-13, 2013. American Journal of Physical Anthropology 150 (S56): 119.

Georgiev, A, M Emery Thompson, MN Muller and RW Wrangham. Physiological costs of dominance and mating effort in male chimpanzees. Invited paper: American Association of Physical Anthropologists 82nd annual meeting, Knoxville, TN, April 9-13, 2013. American Journal of Physical Anthropology 150 (S56): 128.

Knott, CD and M Emery Thompson. Male bi-maturism and the costs of reproduction in wild Bornean orangutans. Invited paper: American Association of Physical Anthropologists 82nd annual meeting, Knoxville, TN, April 9-13, 2013. American Journal of Physical Anthropology 150 (S56): 170.

Emery Thompson, M, MN Muller, E Fitzgerald, and RW Wrangham. Variation in muscle mass among wild chimpanzees. Invited paper: International Primatological Society 24th Congress, Cancun, Mexico, August 12-17, 2012.

Knott, CD and M Emery Thompson. Testosterone and cortisol in the development of sexual bimaturism in orangutans. Invited paper: International Primatological Society 24th Congress, Cancun, Mexico, August 12-17, 2012.

Emery Thompson, M, MN Muller and RW Wrangham. Comparative energetics of reproduction in chimpanzees and humans. Joint podium paper: Animal Behavior Society and the Human Behavior & Evolution Society's 24th annual meeting, Albuquerque, NM. June 13-17, 2012.

Ackerman, JM, V Griskevicius, SM Cantú, JA Simpson, AW Delton, TE Robertson, M Emery Thompson, and JM Tybur. Contingent expression of fast and slow life history strategies. Podium paper: Human Behavior & Evolution Society's 24th annual meeting, Albuquerque, NM. June 13-17, 2012.

Kaplan, H, A Blackwell, J Stieglitz, P Hooper, M Emery Thompson, and M Gurven. Rapid depletion of naïve CD4 cells is associated with a compensatory increase in Natural Killer cells in a subsistence population under high pathogen stress. Podium paper: Human Behavior & Evolution Society's 24th annual meeting, Albuquerque, NM. June 13-17, 2012.

Alvarado, LC, M Emery Thompson, MN Muller, I Nenko & G Jasienska. Physiological consequences of parental effort and testosterone in rural Polish men. Podium paper: Human Behavior & Evolution Society's 24th annual meeting, Albuquerque, NM. June 13-17, 2012.

Georgiev, A, M Emery Thompson, MN Muller and RW Wrangham. Energetic costs of mating effort in wild chimpanzees. Podium paper: Animal Behavior Society 49th annual meeting, Albuquerque, NM, June 10-14, 2012.

Emery Thompson, M, MN Muller, E Fitzgerald, and RW Wrangham. Variation in muscle mass in wild chimpanzees: Application of a modified urinary creatinine method. Poster: American Association of Physical Anthropologists 81st annual meeting, Portland, OR. April 11-14, 2012. American Journal of Physical Anthropology 147 Suppl 54: 140.

McCabe, GM and M Emery Thompson. Nursing and maternal energy balance in wild Sanje mangabeys, *Cercocebus sanje*, in the Udzungwa Mountains, Tanzania. Podium paper: American Association of Physical Anthropologists 81st annual meeting, Portland, OR. April 11-14, 2012. American Journal of Physical Anthropology 147 Suppl 54: 207-208.

Knott, CD and M Emery Thompson. C-peptide and the costs of reproduction in Bornean orangutans. Podium paper: American Association of Physical Anthropologists 81st annual meeting, Portland, OR. April 11-14, 2012. American Journal of Physical Anthropology 147 Suppl 54: 184.

Muller, MN, M Emery Thompson, Z Machanda and RW Wrangham. Testosterone, development and aging in wild chimpanzees. Podium paper: American Association of Physical Anthropologists 81st annual meeting, Portland, OR. April 11-14, 2012. American Journal of Physical Anthropology 147 Suppl 54: 220.

Emery Thompson, M. Energetics and reproductive success in wild female chimpanzees. Invited paper: American Society of Primatologists 34th annual meeting, Austin, TX. September 16-19, 2011. American Journal of Primatology 73: 80.

Georgiev, A, AF Russell, M Emery Thompson, MN Muller and RW Wrangham. Presence of estrous females associated with reduced feeding time in male chimpanzees at Kanyawara (Uganda) regardless of their dominance rank. Podium paper: American Society of Primatologists 34th annual meeting, Austin, TX. September 16-19, 2011. American Journal of Primatology 73: 00.

Fernandez-Duque, E, S Evans, and M Emery Thompson. A lab-field approach to estimating the energetic costs of biparental care in owl monkeys. Podium paper: American Society of Primatologists 34th annual meeting, Austin, TX. September 16-19, 2011. American Journal of Primatology 73: 112.

Emery Thompson, M, MN Muller, E Fitzgerald & RW Wrangham. Energetic costs of reproduction in wild female chimpanzees. Podium paper: American Association of Physical Anthropologists 80th annual meeting, Minneapolis, MN. April 12-16, 2011. American Journal of Physical Anthropology 144 (S52): 293.

Emery Thompson, M, MN Muller, and RW Wrangham. C-peptide of insulin as a tool for tracking the costs of reproduction in wild chimpanzees. Invited paper: International Primatological Society 23rd Congress, Kyoto, Japan. September 12-18, 2010.

Knott, CD and M Emery Thompson. The energetic costs of being a flanged prime male orangutan: insights into the evolution of male bi-maturism. Invited paper: International Primatological Society 23rd Congress, Kyoto, Japan. September 12-18, 2010.

Emery Thompson, M, M Muller, N Newton-Fisher, I Gilby, S Kahlenberg, Z Machanda, K Zuberbühler, and R Wrangham. Inter- and intra-population variation in aggression by adult male chimpanzees. Podium paper: American Association of Physical Anthropologists 79th annual

meeting, Albuquerque, NM. April 14-17, 2010. American Journal of Physical Anthropology 141 (S50): 101.

MN Muller, M Emery Thompson, S Kahlenberg, RW Wrangham. Reproduction and resistance to stress in wild chimpanzees. Podium paper: American Association of Physical Anthropologists 79th annual meeting, Albuquerque, NM. April 14-17, 2010. American Journal of Physical Anthropology 141 (S50): 174.

Emery Thompson, M, SM Kahlenberg, MN Muller, and RW Wrangham. The dynamics of stress in female chimpanzees: interactions of social and ecological factors. Podium paper: American Association of Physical Anthropologists 78th annual meeting, Chicago, IL. April 1-4, 2009. American Journal of Physical Anthropology 138 Suppl 48: 124.

Muller, MN, M Emery Thompson, SM Kahlenberg, RW Wrangham. Male coercion and female choice in wild chimpanzees. Podium paper: American Association of Physical Anthropologists 78th annual meeting, Chicago, IL. April 1-4, 2009. American Journal of Physical Anthropology 138 Suppl 48: 196.

Emery Thompson, M. What hormones tell us about behavior in chimpanzees. Invited paper: 3rd HOPE International Symposium on Primate Origins of Human Evolution, Tokyo, Japan, November 16, 2008.

Knott, CD and M Emery Thompson. Urinary C-peptide of Insulin as a non-invasive measure of energy balance in wild orangutans. Invited paper: International Primatological Society 22nd Congress, Edinburgh, Scotland, August 3-8, 2008.

Stumpf, RM, M Emery Thompson, MN Muller, and RW Wrangham. Behavioral and hormonal context of female transfer in wild chimpanzees. Invited paper: International Primatological Society 22nd Congress, Edinburgh, Scotland, August 3-8, 2008.

Knott, CD, M Emery Thompson and RM Stumpf. Sexual coercion and mating strategies of wild Bornean orangutans. Podium paper: American Association of Physical Anthropologists 76th annual meeting, Philadelphia, PA, March 28-31, 2007. American Journal of Physical Anthropology Suppl. 44: 145.

Emery Thompson, M and RW Wrangham. Male and female influence on copulation timing in chimpanzees (*Pan troglodytes*) of the Kanyawara community, Kibale National Park. Invited paper: International Primatological Society 21st Congress, Entebbe, Uganda. June 25-30, 2006.

Stumpf, RM, M Emery Thompson and CD Knott. Female chimpanzee and orangutan mating strategies compared. Invited paper: International Primatological Society 21st Congress, Entebbe, Uganda. June 25-30, 2006.

Muller, MN, S Kahlenberg, M Emery Thompson and RW Wrangham. Male aggression against females and stress in wild chimpanzees. Invited paper: International Primatological Society 21st Congress, Entebbe, Uganda. June 25-30, 2006.

Knott, CD, RM Stumpf, S Kahlenberg and M Emery Thompson. Forced copulations and coercion in Bornean orangutans. Invited paper: International Primatological Society 21st Congress, Entebbe, Uganda. June 25-30, 2006.

Kahlenberg, SM, M Emery Thompson, IC Gilby & RW Wrangham. Female space use and competition in Kanyawara chimpanzees (*Pan troglodytes schweinfurthii*). Invited paper: International Primatological Society 21st Congress, Entebbe, Uganda. June 25-30, 2006.

Emery Thompson, M. Ovarian hormones and reproductive development in wild female chimpanzees (*Pan troglodytes schweinfurthii*). Podium paper: American Association of Physical Anthropologists 74th annual meeting, Milwaukee, WI, April 9, 2005. American Journal of Physical Anthropology 126 Suppl 40: 99.

Emery Thompson, M, RW Wrangham, V Reynolds and AE Pusey. Natural variation in ovarian function in East African chimpanzees (*Pan troglodytes schweinfurthii*): Non-invasive hormonal assessment in females from three study populations. Invited paper: American Society of Primatologists 27th annual meeting, Madison, WI. June 11, 2004. American Journal of Primatology 62 (S1): 122.

Santiago, M, M Lukasik, S Kamenya, Y Li, F Bibollet-Ruche, D Goldenberg, M Muller, M Emery, D Watts, R Wrangham, A Pusey, D Collins, J Goodall, G Shaw and B Hahn. SIVcpz prevalence and genetic diversity in wild communities of eastern chimpanzees. Podium paper: 10th Conference on Retroviruses and Opportunistic Infections, Boston, MA. February 10-14, 2003.

Contributed Abstract and/or Oral Presentations at Professional Meetings:

Emery Thompson, M. *Behavioral endocrinology of chimpanzees*. Paper presented to the Kibale 20th Anniversary Workshop on Long-term Research and Conservation, Makerere University Biological Field Station, Uganda. June 15, 2007.

Emery Thompson, M. *Reproduction and residence patterns in female chimpanzees*. Paper presented to the New England Biological Anthropology Symposium, Boston, MA, March 19, 2005.

Emery Thompson, M. *Endocrinology and ecology of wild female chimpanzee reproduction*. Poster presented at the Gombe Stream Research Center 40th Anniversary Symposium, Minneapolis, MN, 2003.

Invited Workshop Participation:

Feminist Sexuality Research Workshop. Northwestern University, Chicago, IL. 2012.

Wenner-Gren Young Researcher's Conference. Wenner-Gren Foundation for Anthropological Research, New York, NY. 2005.

Research

Research Funding (Federal):

Biodemography of Aging in Chimpanzees

M Emery Thompson, J Mitani, A Rosati, and RW Wrangham
National Institutes of Health: National Institute on Aging/Office of Research on Women's Health
[R01-AG049395]
2015-2020: \$2,942,881

Trade-offs Between Reproduction and Immunological Health in Female Chimpanzees from Kibale National Park, Uganda

M Emery Thompson, S Phillips-Garcia
National Science Foundation, Doctoral Dissertation Research Improvement Grant [BCS-1613185]
2016-2018: \$19,625

Developmental Integration and the Ecology of Life Histories in Phylogenetic Perspective

MN Muller, RW Wrangham, M Emery Thompson, S Nelson
National Science Foundation [BCS-1355014]
2014-2017: \$221,004

The Human Life Course and the Biodemography of Aging.

M Gurven, H Kaplan (role: post-doctoral scholar)
National Institutes of Health: National Institute on Aging [R01-AG024119]
2010-2015: \$1,250,000

Stress, Energetics and the Costs of Reproduction in Wild Chimpanzees.

MN Muller, RW Wrangham, M Emery Thompson
National Science Foundation [BCS-0849380]
2009-2012: \$150,000

Understanding the Role of Ecology in Saving the Orangutan from Extinction.

CD Knott (role: post-doctoral scholar, subcontract PI)
National Science Foundation [BCS-0936199, BCS-072188]
2008-2013: \$494,400

M Emery Thompson
National Science Foundation Graduate Research Fellowship
1998-2003

Research Funding (Private/Intramural):The Ontogeny of Sex Differences in Social Behavior among East African Chimpanzees

K Sabbi, M Emery Thompson (supervisor)

Wenner-Gren Foundation for Anthropological Research, Dissertation Fieldwork Grant

2015-2017: \$17,316.

Predicting Functional Impairment (FI) in Pediatric Cancer Survivors

RD Annett, M Emery Thompson

University of New Mexico, Pediatrics Research Allocation Committee

2013-2014: \$10,550

The Development of Aggressive Behavior in Wild Chimpanzees

M Emery Thompson, E Otali

Wenner-Gren Foundation for Anthropological Research, International Collaborative Research Grant

2013: \$28,900

Stress and the Costs of Reproduction in Wild Female Chimpanzees

M Emery Thompson

Leakey Foundation

2010-2012: \$21,700

Energetics of Lactation in Chimpanzees

M Emery Thompson

American Association of Physical Anthropologists: Professional Development Grant

2009: \$5000

Endocrinology and Ecology of Wild Female Chimpanzee Reproduction

M Emery Thompson, RW Wrangham (supervisor)

Leakey Foundation pre-doctoral grant

2003-2004: \$12,060

Ovarian Function and Dietary Composition in Wild Chimpanzees (*Pan troglodytes schweinfurthii*)

M Emery Thompson, RW Wrangham (supervisor)

Wenner-Gren Foundation for Anthropological Research, Dissertation Fieldwork Grant

2001-2003: \$20,000

M Emery Thompson

Harvard University Eliot Fellowship

2003-2004

M Emery Thompson

Harvard University Merit Fellowship

2001-2002

M Emery Thompson
Mellon Foundation Grant for Pre-Dissertation Fieldwork
2000

M Emery Thompson
Sigma-Xi Grant-in-Aid of Research
2000

M Emery Thompson
Mellon Foundation Grant for Technical Training
1999

M Emery Thompson
Harvard University Sherwood Washburn Fellowship
1998-2001

Teaching

Postdoctoral Advisement:

Michelle Brown, University of New Mexico/University of Zurich, 2011-2014. Current Position: Assistant Professor, University of California Santa Barbara

Doctoral Advisement:

Sarah Phillips-Garcia (chair), Anthropology, University of New Mexico, on-going

Seth Merkley (chair), Anthropology, University of New Mexico, on-going

Drew Enigk (co-chair), Anthropology, University of New Mexico, on-going

Kate Rusk (committee member), PhD Candidate Anthropology, 2015, University of New Mexico, on-going

Kristin Sabbi (co-chair), PhD Candidate Anthropology, 2015, University of New Mexico, on-going

Nicholas Grebe (committee member), PhD Candidate 2016, Psychology expected 2015, University of New Mexico

Aaron McCarty (committee member), PhD Candidate Anthropology, 2013, University of New Mexico, on-going

Carmen Mosely (committee member), PhD Candidate Anthropology, 2013, University of New Mexico, on-going

Christina Cloutier (external committee member), PhD Candidate Anthropology, 2013, University of Utah, on-going

Sara Garau (external committee member), PhD Candidate Neuroethology, 2014, Universidad Veracruzana, on-going

Melissa Eaton (external committee member), M.A. Psychology expected 2016, University of New Mexico

Louis Alvarado (committee member), PhD Anthropology, 2015, University of New Mexico, *Men's Life History, Testosterone, and Health*

Sarah Hile (external committee member), PhD Psychology, 2015, University of New Mexico, *The Functional Impact of Neurocognitive Deficits in Pediatric Cancer Survivors and Associated*

Risk Factors. Current position: Postdoctoral fellow in Pediatric Neuropsychology at Loma Linda University Medical Center

Sarah Dinces (external committee member), PhD Psychology, 2015, University of New Mexico, Cancer Experience Modulates the Relationship between Child and Parent Hypothalamic-Pituitary-Adrenal (HPA) Axis Functioning. Current position: Policy & Procedures Coordinator at NM Children, Youth and Families Department Protective Services Division.

Alexander Georgiev (external committee member), PhD Human Evolutionary Biology 2012, Harvard University, Energetic Costs of Reproductive Effort in Male Chimpanzees. Current position: Postdoc, Northwestern University.

Lara Saipe (external committee member), PhD Anthropology, 2013, Boston University, Ovarian Function and Reproductive Behaviors across the Female Orangutan Life Cycle. Current position: Lecturer, Harvard University.

Elizabeth Eadie (committee member), PhD Anthropology, 2013, University of New Mexico, Feeding Ecology and Life History Strategies of White-Faced Capuchin Monkeys (*Cebus capucinus*). Current position: Lecturer, University of Arizona.

Masters Advisement:

Erin Fitzgerald (co-chair), M.A. Anthropology, 2013, University of New Mexico

Jennifer Cabotage (co-chair), M.A. Anthropology, 2011, University of New Mexico

Natasha Tworoski (co-chair), M.A. Anthropology 2011, University of New Mexico

Bachelor's Honors Advisement:

Sonnie Williams, B.S. *cum laude*, Anthropology 2014, University of New Mexico, The Biology of Cooking: How does Cooking Impact Physical and Mental Health?

Kamden Cornell, B.S. *magna cum laude*, Anthropology 2012, University of New Mexico, The Effects of Testosterone on Chimpanzee Hunting Behaviors in Kanyawara, Kibale National Park, Uganda

Other Mentoring:

Laboratory training, postdoctoral [4]: Michelle Brown, Rebecca Stumpf, Wendy Erb, Alexander Georgiev

Laboratory training, graduate [26]: Louis Alvarado (UNM), Tim Bransford (Rutgers), Annie Caldwell-Hooper (UNM), Sarah Dinces (UNM), Drew Enigk (UNM), Christopher Eppig (UNM), Erin Fitzgerald (UNM), Alexander Georgiev (Harvard), Nicholas Grebe (UNM), Melissa Heap (UNM), Seth Merkley (UNM), Leslie Merriman (UNM), Heather Moles (Boston

University), Carmen Mosely (UNM), Meredith Reiches (Harvard), Kate Rusk (UNM), Kristin Sabbi (UNM), Lara Saipe (Boston University), Aaron Sandel (UMichigan), Matthew Schwartz (UNM), Thais Schwartz (UNM), Marissa Sobolewski (Michigan), Donica Spence (NMSU), Joshua Tybur (UNM), Emily Wolfe (Washington State), Megan Workman (UNM)

Laboratory training, undergraduate [11]: Danielle Boudreau (UNM), Kamden Cornell (UNM), Eleanor Humphries (Harvard), Christine Meadows (UNM), Katherine Mitchell (Boston University), Jayda Patterson (UNM), Jean Ryoo (Harvard), Sarah Schmidt (UNM), Victoria Wobber (Harvard), Savannah Woodward (UNM), Amy Zhou (Harvard)

Laboratory training, high school honors [1]: Kate Burmon

Classroom Teaching

University of New Mexico:

The Human Life Course (A160) – Summer 2010, Spring 2011, Summer 2011, Fall 2011, Spring 2012, Summer 2012, Fall 2012, Spring 2013, Summer 2013, Fall 2013, Spring 2014, Summer 2014, Fall 2014, Spring 2015, Summer 2015, Fall 2015

Hormones and Behavior (A450/550) – Fall 2015

Human Biology (A350) – Spring 2011

Human Behavioral Ecology (A360) – Spring 2012, Summer 2013, Fall 2013

Great Apes: Mind and Behavior (A362/662) – Spring 2014

Undergraduate Honors Seminar (A498) – Fall 2014

Primate Sexuality (A450/560) – Spring 2015

Harvard University:

Sophomore Tutorial in Human Evolutionary Biology – 4 semesters

Advanced Laboratory Methods in Primate Endocrinology – 1 semester

Service

Symposia/Workshops Organized:

International Primatological Society 26th Congress, Chicago, IL: Collaborative Approaches in Chimpanzee Behavioral Ecology (co-organized with Carson Murray), 2016.

Kibale Chimpanzee/Wenner-Gren Workshop for Ugandan Students (co-organizer), Makerere University Biological Field Station, Uganda, June 5-9, 2013.

American Association of Physical Anthropologists 82nd annual meeting, Knoxville, TN: The high price of success: costs of reproductive effort in male primates and humans (co-organized with Alexander Georgiev), 2013.

International Primatological Society 24th Congress, Cancun, Mexico: The role of phenotypic plasticity in the expression of primate life history traits (co-organized with Cheryl Knott), 2012.

International Primatological Society 21st Congress, Entebbe, Uganda: Female reproductive strategies: diversity among the apes (co-organized with Rebecca Stumpf), 2006.

Editorial Work:

Editorial Board, Hormones and Behavior, 2015-present

Editorial Board, Adaptive Human Behavior and Physiology, 2014-present, (first publication, 2015)

Editorial Board, SpringerBriefs in Human Behavior and Biology, 2012-2015

Guest Editor (w/Alexander Georgiev), Special issue of International Journal of Primatology: The High Costs of Success in Male Primates, Publication August 2014

Reviewing for Journals and Presses:

- African Journal of Ecology (2012)
- AGE (2011)
- Aggressive Behavior (2005)
- American Journal of Human Biology (6 reviews since 2008)
- American Journal of Physical Anthropology (4 reviews since 2011)
- American Journal of Primatology (12 reviews since 2008)
- Animal Behaviour (32 reviews since 2004)
- Animal Reproduction Science (2 reviews since 2011)

- Behavioral Ecology (5 reviews since 2006)
- Behavioral Ecology and Sociobiology (10 reviews since 2007)
- Behavioral Science (2012)
- Behaviour (2 reviews since 2007)
- Biological Reviews (2 reviews since 2009)
- Biology of Reproduction (2008)
- Biology of Sex Differences (2012)
- Current Anthropology (3 reviews since 2010)
- Current Biology (3 reviews since 2007)
- Ethology (2008)
- Evolution and Human Behavior (2014)
- Evolutionary Bioinformatics (2008)
- Folia Primatologica (2 reviews since 2005)
- Hormones and Behavior (14 reviews since 2008)
- Human Nature (4 reviews since 2006)
- Integrative and Comparative Biology (2016)
- International Journal of Comparative Psychology (2015)
- International Journal of Primatology (11 reviews since 2007)
- Naturwissenschaften (2013)
- Philosophical Transactions of the Royal Society of London (2013)
- Physiology and Behavior (3 reviews since 2010)
- PLoS ONE (2011)
- Primates (8 reviews since 2006)
- Proceedings of the National Academy of Sciences (2009)
- Veterinary Parasitology (2009)
- Yearbook of Physical Anthropology (2014)
- Building Babies, Springer Press (chapter review)
- Howler Monkeys: Behavior, Ecology and Conservation, Springer Press (chapter review)
- Chimpanzees and Human Evolution, Harvard University Press (chapter review)
- Evolution of Primate Societies, University of Chicago Press (chapter review)
- Primate Diet and Nutrition, University of Chicago Press (chapter review)
- The Chimpanzee: Help Save This Endangered Species, Enslow Publishing (book review)
- State of the Apes, Arcus Foundation (chapter review)
- Oxford University Press (2012, 2016)
- Princeton University Press (2016)

Reviewing for Funding Agencies:

- Graduate Women in Science Fellowships (2 reviews since 2009)
- Leakey Foundation (8 reviews since 2009)
- MacArthur Foundation (2013)
- National Geographic Society (2014)
- National Institutes of Health: National Institute on Aging (2015)
- National Science Foundation (4 reviews since 2009)

- National Science Foundation GRFP Panel: Evolutionary Biology and Systematics (2016)
- Swiss National Science Foundation (2012)

Professional Service:

International Union for Conservation of Nature, Species Survival Commission (IUCN-SSC)
Primate Specialist Group (Appointee), 2009-present

Student awards committee (member), International Primatological Society 25th Congress, 2014

Student awards committee (member), International Primatological Society 24th Congress, 2012

Poster awards committee (member), Animal Behaviour Society, 49th annual meeting, 2012

Scientific committee (member), International Primatological Society 23rd Congress, 2010

Local arrangements committee (member), American Association of Physical Anthropologists
79th annual meeting, 2010

International Society of Primatologists (lifetime member), 2004-present

American Society of Primatologists (lifetime member), 2004-present

American Association of Physical Anthropologists (member), 2013-present

University Service:

Anthropology exhibits committee, University of New Mexico, 2016 – present.

Junior faculty search committee in Evolutionary Anthropology, University of New Mexico,
2014-2015.

Faculty Senate Information Technology Use committee member, University of New Mexico,
2013-present.

Anthropology colloquium planning committee member, University of New Mexico, 2009-2012

Public Service:

Scientific advisory committee member, Great Ape World Heritage Species Project, 2006-2007

Scientific advisor for children's book: The Chimpanzee: Help Save an Endangered Species (S. Feinstein), Enslow Publishers, Inc. Saving Endangered Species Series, 2007

Lecture: An introduction to biological anthropology. Weston Middle School, Weston, MA, 2006.

Lecture: Apes and Us. Weston High School, Weston, MA. 2006.

Naturalist/Study Guide, Harvard Museum of Natural History travel program 2007, 2011. Led trips to Uganda/Rwanda, and Tanzania.

Volunteer, Animal Humane of New Mexico, 2013-2016

Volunteer, People's Anti-Cruelty Alliance/Albuquerque Animal Rescue, 2009-2013