

**Educational History**

Ph.D. 2005      Harvard University, Cambridge, MA, Anthropology

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***

Professor, 2022-present, Department of Anthropology, University of New Mexico, Albuquerque, NM

Associate Professor, 2017-2022, Department of Anthropology, University of New Mexico, Albuquerque, NM

Assistant Professor, 2013-2017, Department of Anthropology, University of New Mexico, Albuquerque, NM

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

Adjunct Assistant Professor/Postdoctoral Fellow, 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***

Assistant Vice President for Research, 2021-present (Interim 2021-2022), University of New Mexico, Albuquerque, NM

Associate Department Chair, 2019-2021, Department of Anthropology, University of New Mexico, Albuquerque, NM

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

Director, 2008-present, Comparative Human and Primate Physiology (CHmPP) Center (formerly 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**

National Institute on Aging MERIT award, 2022, “*in recognition of your outstanding record of scientific achievements as a principal investigator*”

Finalist, George C. Williams Prize for most significant article published in Evolutionary Medicine and Public Health in 2021 (senior author)

Editor’s Choice Award, American Journal of Primatology, for most outstanding research article published in 2013 (sole author)

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

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

3<sup>rd</sup> Annual Women in Science Speaker, Indiana University, 2010

American Association of Physical Anthropologists’ Professional Development Award, 2009

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

## Short Narrative Description of Research, Teaching and Service Interests

My research focuses on understanding how the extraordinary human life history evolved, and I study this through comparative research on humans and our closest living relatives, the great apes. My approach to this research has been to study the physiological mechanisms that underlie life history processes, like fertility, development, and aging, and to examine how factors in the social and physical environment impact these mechanisms. My research incorporates approaches from demography, behavioral ecology, endocrinology, and health sciences. 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 Comparative Human and Primate Physiology (CHmPP) Center at the University of New Mexico.

I co-direct the Kibale Chimpanzee Project, a long-term (35+ yr) field study of ecology, behavior, demography, and physiology of wild chimpanzees in Uganda. I currently lead 2 multi-PI awards from the National Institute of Aging that aim to generate novel data on the natural aging process in chimpanzees. These studies aim 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 necessary for understanding the evolution of human aging. I recently completed an NSF-funded project to investigate behavioral and physiological predictors of leadership in chimpanzees. All of this research is highly collaborative, involving comparisons across research sites, across species, and across disciplines. To that end, I work extensively with human behavioral scientists (e.g., anthropologists; evolutionary, cognitive, and clinical psychologists; biologists; economists; and health scientists) to conduct research with similar emphases, such as the influences of stress on development or the ways that hormones impact social behavior. My laboratory generates a large number of collaborations with scholars at UNM and elsewhere. We provide fee-for-service assay work and student training, and assist collaborators with the development and application of methods for use in behavioral and cognitive research.

At UNM, I teach regular courses on human life history and health (Anth1170, 2135), hormones and behavior (Anth450/550), and primate behavior (Anth 362/562 and 363/563, Anth 645). 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 evolutionary history. Outside of the classroom, I also do an extensive amount of laboratory training with students at all levels. I currently advise 4 PhD students and have served on at least 26 other grad student committees. My students have been highly successful in obtaining external research funding, publishing their work, and earning research awards.

Professional service is a way to learn about and shape my professional environment. I have served as past co-chair of Anthropology and chair of the Faculty Senate Research Policy. As Assistant Vice President for Research, I focus on initiatives to reduce barriers to research participation across campus, recognize and promote research success, and develop responsible and transparent research policy. I am also a member of UNM's Faculty Development Council and am on the leadership team for Advance, a project aimed at supporting faculty diversity, retention, and success. I serve frequently on scientific review panels for the NIH and NSF and serve on the editorial boards of *Hormones and Behavior*, *Human Nature*, *American Journal of Primatology*, 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

*Google Scholar Citation Record (h-index = 47):*

<https://scholar.google.com/citations?user=RPYG5FkAAAAJ&hl=en>

2024 Sobral, G, C Dubuc, A Ruiz-Lambides, M Emery Thompson, D Maestriperi, KM Milich. Facial ornamentation, testosterone, and reproductive output in high-ranking male rhesus macaques. Scientific Reports 14: 2621.

2023 Wood, B, JD Negrey, J Brown, T Deschner, M Emery Thompson, S Gunter, JC Mitani, DP Watts, KE Langergraber. Demographic and hormonal evidence for menopause in wild chimpanzees. Science 382: eadd5473.

2023 Dunay, E, J Rukundo, R Atencia, MF Cole, A Cantwell, M Emery Thompson, AG Rosati, TL Goldberg. Viruses in saliva from sanctuary chimpanzees (*Pan troglodytes*) in Republic of Congo and Uganda. PLoS ONE 18(6): e0288007.

2023 Thompson González, N, Z Machanda, M Emery Thompson. Age-related social selectivity: an adaptive lens on a later life social phenotype. Neuroscience & Biobehavioral Reviews 152: 105294.

2023 Trumble, BC, H Pontzer, J Stieglitz, DK Cummings, B Wood, M Emery Thompson, D Raichlen, B Beheim, G Yetish, H Kaplan, M Gurven. Energetic costs of testosterone in two physically active foraging populations. American Journal of Human Biology 27: 582-586.

2023 Roney, JR, M Mei, RL Grillot, M Emery Thompson. No effects of exposure to women's fertile window body scents on men's hormonal and psychological responses. Evolution and Human Behavior 44: 305-314.

2023 Rosati, AG, M Emery Thompson, R Atencia, JW Buckholz. Distinct developmental trajectories for impulsive and risky decision-making in chimpanzees. Journal of Experimental Psychology 152: 1551-1564.

2023 Dunay, E, LA Owens, CD Dunn, J Rukundo, R Atencia, MF Cole, A Cantwell, M Emery Thompson, AG Rosati, TL Goldberg. Viruses in sanctuary chimpanzees across Africa. American Journal of Primatology e23452.

2022 Dinh, T, M Emery Thompson, S Gangestad. Ovarian hormones in relation to naturally cycling women's conception risk: empirical evidence and implications for behavioral endocrinology. Hormones and Behavior 146: 105276.

2022 Fox, S, MN Muller, N Thompson Gonzalez, DK Enigk, ZP Machanda, E Otali, RW Wrangham, M Emery Thompson. Weak, but not strong, ties support coalition formation among wild female chimpanzees. Philosophical Transactions of the Royal Society of London B 378: 20210427.

2022 Dinh, T, M Emery Thompson, S Gangestad. Hormonal influences on women's extra-pair sexual interests: the moderating impact of partner attractiveness. Evolution and Human Behavior 43: 442-454.

2022 Negrey, J, M Emery Thompson, CD Dunn, E Otali, RW Wrangham, JC Mitani, ZP Machanda, MN Muller, KE Langergraber, TL Goldberg. Female reproduction and viral infection in a long-lived mammal. Journal of Animal Ecology 91: 1999-2009.

2022 Mine, JG, KE Slocombe, EP Willems, IC Gilby, M Yu, M Emery Thompson, MN Muller, RW Wrangham, SW Townsend, ZP Machanda. Vocal signals facilitate cooperative hunting by wild chimpanzees. Science Advances 8: eabo5553.

2022 Brown, M, R Steinitz, M Emery Thompson. Wins and losses in intergroup conflicts reflect energy balance in red-tailed monkeys. Philosophical Transactions of the Royal Society of London B 377: 20210152.

2022 Negrey, JD, JC Mitani, RW Wrangham, E Otali, RB Reddy, TE Pappas, KA Grindle, JE Gern, ZP Machanda, MN Muller, KD Langergraber, M Emery Thompson, and TL Goldberg. Viruses associated with ill health in wild chimpanzees. American Journal of Primatology e23358.

2022 Mei, M, RL Grillot, CK Abbey, M Emery Thompson, JR Roney. Does scent attractiveness reveal women's ovulatory timing? Evidence from signal detection analyses and endocrine predictors of odor attractiveness. Proceedings of the Royal Society of London B 289: 20220026.

2021 Thompson González, N, ZP Machanda, E Otali, MN Muller, DK Enigk, RW Wrangham, M Emery Thompson. Age-related change in adult chimpanzee social network integration. Evolutionary Medicine and Public Health 9: 448-459.  
*\*Finalist for George C. Williams Prize for most significant article published in Evolutionary Medicine and Public Health in 2021.*

2021 Schneider-Crease, I, AD Blackwell, TS Kraft, M Emery Thompson, I Maldonado Suarez, DK Cummings, J Stieglitz, H Kaplan, N Snyder-Mackler, M Gurven, BC Trumble. Helminth infection is associated with dampened cytokine responses to viral and bacterial stimulations in Tsimane hunter-horticulturalists. Evolutionary Medicine and Public Health 9: 349-359.

2021 Colchero, F, JM Aburto, EA Archie, C Boesch, T Breuer, FA Campos, A Collins, DA Conde, M Cords, C Crockford, M Emery Thompson, LM Fedigan, C Fichtel, M Groenenberg, C Hobaiter, PM Kappeler, RR Lawler, RJ Lewis, Z Machanda, ML Manguette, M Muller, C Packer, RJ Parnell, S Perry, AE Pusey, MM Robbins, R Seyfarth, JB Silk, J Staerk, TS Stoinski, EJ Stokes, KB Strier, SC Strum, J Tung, F Villavicencio, R Wittig, R Wrangham, JW Vaupel, SC Alberts. The long lives of primates: implications for the 'invariable rate of aging' hypothesis. Nature Communications 12: 3666.

*\*2021 Top 25 Life & Biological Sciences Article for Nature Communications*

2021 Kavanagh, E, S Street, FO Angwela, TJ Bergman, MB Blaszczyk, LM Bolt, M Briseno-Jaramillo, M Brown, C Chen-Kraus, Z Clay, C Coye, M Emery Thompson, A Estrada, B Fruth, C Fichtel, M Gamba, C Giacomina, KE Graham, S Green, C Grueter, S Gupta, ML Gustison, L Hagberg, D Hedwig, KM Jack, PM Kappeler, G King-Bailey, B Kubenova, A Lemasson, DM Inglis, Z Machanda, A MacIntosh, B Majolo, S Marshall, S Mercier, J Micheletta, M Muller, H Notman, K Ouattara, J Ostner, MSM Pavelka, LR Peckre, M Petersdorf, F Quintero, G Ramos-Fernandez, MM Robbins R Salme, I Schamberg, V Schoof, O Schulke, S Semple, JB Silk, JR Sosa-Lopez, V Torti, D Valente, R Ventura, E van de Waal, AH Weyher, C Wilke, R Wrangham, C Young, A Zanoli, K Zuberbuhler, A Lemeira, K Slocombe. Dominance style is a key predictor of vocal use and evolution across nonhuman primates. Royal Society Open Science 8: 210873.

2021 Starkweather, K, M Keith, S Prall, N Alam, F tuz Zohora, M Emery Thompson. Are fathers good substitutes for mothers? Paternal care and growth rates in Shodagor children. Developmental Psychobiology 63: e22148.

2021 Enigk, DE, M Emery Thompson, ZP Machanda, E Oтали, RW Wrangham, and MN Muller. Female-directed aggression by adolescent male chimpanzees constitutes dominance-striving, not sexual coercion. American Journal of Physical Anthropology 176: 66-79.

2021 Reese, AT, K Chadaideh, C Diggins, LD Schell, M Beckel, P Callahan, R Ryan, M Emery Thompson, R Carmody. Effects of domestication on the gut microbiota parallel those of human industrialization. eLife 10: e60197.

2021 Sabbi, K, M Emery Thompson, ZP Machanda, E Oтали, RW Wrangham, and MN Muller. Sex differences in early experience and the development of aggression in wild chimpanzees. Proceedings of the National Academy of Sciences USA 118: e2017144118.

2021 Pontzer, H, MH Brown, BM Wood, DA Raichlen, J Harris, 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, J Rothman, E Vogel, SS Urlacher, D Reuter, SR Ross. Evolution of water conservation in humans. Current Biology 31: 1804-1810.

2021 Grebe, NM, M Emery Thompson, S Gangestad. Oxidative stress and the differential expression of traits associated with mating effort in humans. Evolution and Human Behavior 42: 389-401.

2021 Muller, MN, DK Enigk, SA Fox, L Hagberg, Z Machanda, RW Wrangham, and M Emery Thompson. Aggression, glucocorticoids, and the chronic costs of status competition for wild male chimpanzees. Hormones and Behavior 130: 104965.

2021 Knott, CD, EE Kane, M Achmad, EJ Barrow, ML Bastian, J Beck, A Blackburn, TL Breeden, NL Conklin-Brittain, JJ Brousseau, ER Brown, M Brown, LA Brubaker-Wittman, GA Campbell-Smith, A de Sousa, AL DiGiorgio, CA Freund, VI Gehrke, A Granados, J Harting, FS Harwell, A Johnson, P Kanisius, JR Kemsey, AJ Marshall, R Naruri, CA O'Connell, BJ Philp, E

Rahman, Riyandi, NJ Robinson, AM Scott, KS Scott, T Mitra Setia, W Setiadi, E Setiawan, I Sumardi, RR Suro, F Wendi Tamariska, M Emery Thompson, B Yaap, TW Susanto. The Gunung Palung Orangutan Project: Twenty-five years at the intersection of research and conservation in a critical landscape in Indonesia. Biological Conservation 255: 108856.

2021 Dinh, T, S Gangestad, M Emery Thompson, AJ Tomiyama, DMT Fessler, TE Robertson, MG Haselton. Endocrinological effects of social exclusion and inclusion: experimental evidence for adaptive regulation of female fecundity. Hormones and Behavior 130: 104934.

2021 Reese, AT, S Phillips-Garcia, LA Owens, EM Venable, ZP Machanda, KE Langergraber, JC Mitani, DP Watts, MN Muller, RW Wrangham, TL Goldberg, M Emery Thompson, RN Carmody. Age patterning in the wild chimpanzee gut microbiota reveals differences from humans in early life. Current Biology 31: 613-620.

2020 Emery Thompson, M, MN Muller, ZP Machanda, E Otali, RW Wrangham. The Kibale Chimpanzee Project: Over thirty years of research, conservation, and change. Biological Conservation 252: 108857.

2020 Rosati, AG, L Hagberg, D Enigk, E Otali, M Emery Thompson, MN Muller, RW Wrangham, Z Machanda. Social selectivity in aging wild chimpanzees. Science 370: 473-476.

2020 Emery Thompson, M, A Rosati, N Snyder-Mackler. Insights from evolutionarily relevant models for human ageing. Philosophical Transactions of the Royal Society of London Series B: Biological Sciences 375: 20190605.

2020 Emery Thompson, M, S Fox, A Berghänel, K Sabbi, S Phillips-Garcia, DK Enigk, E Otali, ZP Machanda, RW Wrangham, and MN Muller. Wild chimpanzees exhibit humanlike aging of glucocorticoid regulation. Proceedings of the National Academy of Sciences 117: 8424-8430.

2020 Reynolds, AZ, SM Mattison, M Emery Thompson, PL Hooper, KE Starkweather, S Chun-Yi, S. Mingjie, L Hui, T Blumenfeld, MK Shenk, K Wander. Matriliny reverses gender disparities in inflammation and hypertension among the Mosuo of China. Proceedings of the National Academy of Sciences 117: 30324-30327.

2020 Emery Thompson, M, ZP Machanda, SA Fox, KH Sabbi, E Otali, N Thompson González, MN Muller, RW Wrangham. Evaluating the impact of physical frailty during ageing in wild chimpanzees (*Pan troglodytes schweinfurthii*). Philosophical Transactions of the Royal Society of London B: Biological Sciences 375: 20190607.

2020 Negrey, J, M Emery Thompson, KE Langergraber, ZP Machanda, JC Mitani, MN Muller, E Otali, LA Owens, RW Wrangham, TL Goldberg. Demography, life history tradeoffs, and the gastrointestinal virome of wild chimpanzees. Philosophical Transactions of the Royal Society of London Series B: Biological Sciences 375: 20190613.

- 2020 Phillips, SR, TL Goldberg, MN Muller, ZP Machanda, E Oтали, S Friant, J Carag, KE Langergraber, JC Mitani, EE Wroblewski, RW Wrangham, and M Emery Thompson. Faecal parasites increase with age but not reproductive effort in wild female chimpanzees. Philosophical Transactions of the Royal Society of London Series B: Biological Sciences 375: 20190614.
- 2020 Thompson González, NA, E Oтали, ZP Machanda, MN Muller, R Wrangham, M Emery Thompson. Urinary markers of oxidative stress respond to infection and late life in wild chimpanzees. PLoS ONE 15: e0238066.
- 2020 Enigk, DK, M Emery Thompson, ZP Machanda, RW Wrangham, MN Muller. Competitive ability determines coalition participation and partner selection during maturation in wild male chimpanzees (*Pan troglodytes schweinfurthii*). Behavioral Ecology & Sociobiology 74: 89.
- 2020 Muller, MN, NG Blurton-Jones, F Colchero, M Emery Thompson, DK Enigk, JT Feldblum, BH Hahn, KE Langergraber, EJ Scully, L Vigilant, KK Walker, RW Wrangham, EE Wroblewski, AE Pusey. Sexual dimorphism in chimpanzee (*Pan troglodytes schweinfurthii*) and human age-specific fertility. Journal of Human Evolution 144: 102795.
- 2020 Bergstrom, M, U Kalbitzer, FA Campos, AD Melin, M Emery Thompson, LM Fedigan. Non-invasive estimation of the costs of feeding competition in a neotropical primate. Hormones and Behavior 118: 104632
- 2020 Sabbi, KH, MN Muller, SA Fox, P Machanda, E Oтали, RW Wrangham, and M Emery Thompson. Human-like adrenal development in wild chimpanzees: a longitudinal study of cortisol and dehydroepiandrosterone-sulfate. American Journal of Primatology 82: e23064.
- 2019 Emery Thompson, M. How can nonhuman primates inform evolutionary perspectives on female-biased kinship in humans? Philosophical Transactions of the Royal Society of London Series B 374: 20180074.
- 2019 Mattison, SM, MK Shenk, M Emery Thompson, M Borgerhoff Mulder, L Fortunato. The evolution of female-biased kinship in humans and other mammals. Philosophical Transactions of the Royal Society of London Series B 374: 20190007
- 2019 Surbeck, M, C Boesch, C Crockford, M Emery Thompson, T Furuichi, B Fruth, G Hohmann, S Ishizuka, Z Machanda, M Muller, A Pusey, T Sakamaki, N Tokuyama, K Walker, R Wrangham, E Wroblewski, K Zuberbuhler, L Vigilant, K Langergraber. Males with a mother living in their community have higher reproductive success in bonobos but not chimpanzees. Current Biology 29: R354-R355.
- 2019 Benenson, JF, LJ Hillyer, MM White, S Kantor, M Emery Thompson, H Markovitz, RW Wrangham. Social contact and hormonal changes predict post-conflict cooperation between friends. Evolution and Human Behavior 40: 345-354.



- 2019 Grebe, NM, M del Giudice, M Emery Thompson, N Nickels, D Ponzi, S Zilioli, D Maestripieri, SW Gangestad. Testosterone, cortisol, and status-striving personality features: a review and empirical evaluation of the dual hormone hypothesis. Hormones and Behavior 109: 25-37.
- 2019 Gangestad, S, M del Giudice, N Grebe, M Emery Thompson, T Dinh. Psychological cycle shifts redux: revisiting a preregistered study examining preferences for muscularity. Evolution and Human Behavior 40: 501-516.
- 2019 Negrey, JD, RB Reddy, EJ Scully, S Phillips-Garcia, L Owens, KE Langergraber, J Mitani, M Emery Thompson, RW Wrangham, MN Muller, E Otali, ZP Machanda, D Hyeroba, KA Grindle, TE Pappas, AC Palmenberg, JE Gern, TL Goldberg. Simultaneous outbreaks of respiratory disease in wild chimpanzees caused by distinct viruses of human origin. Emerging Microbes and Infections 8: 139-149.
- 2018 Emery Thompson, M, ZP Machanda, EJ Scully, DK Enigk, E Otali, MN Muller, TL Goldberg, CA Chapman, RW Wrangham. Risk factors for respiratory illness in a community of wild chimpanzees (*Pan troglodytes schweinfurthii*). Royal Society Open Science 5: 180840.
- 2018 Bray, J, M Emery Thompson, MN Muller, RW Wrangham, and ZP Machanda. The development of feeding behavior in wild chimpanzees (*Pan troglodytes schweinfurthii*). American Journal of Physical Anthropology 165: 34-46.
- 2018 Scully, EJ, S Basnet, RW Wrangham, MN Muller, E Otali, D Hyeroba, KA Grindle, T Pappas, M Emery Thompson, Z Machanda, KE Watters, AC Palmenberg, JE Gern, T Goldberg. Lethal respiratory disease in wild chimpanzees associated with human rhinovirus C. Emerging Infectious Diseases 24: 267-274.
- 2018 Alvarado, LC, MN Muller, MA Eaton, and M Emery Thompson. Steroid hormone reactivity in fathers watching their children compete. Human Nature: An Interdisciplinary Perspective 29: 268-282.
- 2018 Milich, KM, AV Georgiev, R Petersen, M Emery Thompson, D Maestripieri. Alpha male status and availability of conceptive females are associated with high glucocorticoid concentrations in high-ranking male rhesus macaques (*Macaca mulatta*) during the mating season. Hormones and Behavior 97: 5-13.
- 2017 Emery Thompson, M. Energetics of feeding, social behavior, and life history in non-human primates. Hormones and Behavior 91: 84-96.
- 2017 Grebe, N, A Kristoffersen, TV Grøntvedt, M Emery Thompson, LE Ottesen Kennair, S Gangestad. Oxytocin and vulnerable romantic relationships. Hormones and Behavior 90: 64-74.
- 2017 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. Journal of Human Evolution 110: 82-94.

2017 Bergstrom, ML, M Emery Thompson, AD Melin, and LM Fedigan. Using urinary parameters to estimate seasonal variation in the relative muscle mass of female white-faced capuchin monkeys (*Cebus capucinus imitator*). American Journal of Physical Anthropology 163: 707-715.

2016 Emery Thompson, M, MN Muller, K Sabbi, ZP Machanda, E Oтали, and RW Wrangham. Faster reproductive rates trade off against offspring growth in wild chimpanzees. Proceedings of the National Academy of Sciences USA 113: 7780-7785.

2016 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. Metabolic acceleration and the evolution of human brain size and life history. Nature 533: 390-392.

2016 Trumble, BC, A Blackwell, J Stieglitz, M Emery Thompson, IM Suarez, H Kaplan, M Gurven. Associations between male testosterone and immune function in a pathogenically stressed forager-horticultural population. American Journal of Physical Anthropology 161: 494-505.

2016 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. Personality and Individual Differences 102: 60-67.

2016 Fedurek, P, KE Slocombe, DK Enigk, M Emery Thompson, RW Wrangham, and MN Muller. The relationship between testosterone production and long-distance calling in wild male chimpanzees. Behavioral Ecology & Sociobiology 70: 659-672.

2016 Georgiev, AV, D Christie, KA Rosenfield, AV Ruiz-Lambides, E Maldonado, M Emery Thompson, and D Maestriperi. 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.

2016 Grebe, Nicholas M, M Emery Thompson, Steven W. Gangestad. 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.

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

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

- 2015 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. Screening great apes for putative sexually transmitted diseases: evidence of *Trichomonadidae* infections in wild chimpanzees (*Pan troglodytes*). American Journal of Primatology 77: 1075-1085.
- 2015 Pontzer, H, DA Raichlen, BM Wood, M Emery Thompson, SB Racette, AZP Mabulla, and FW Marlowe. Energy expenditure and activity in Hadza hunter-gatherers. American Journal of Human Biology 27: 628-637.
- 2015 Woodward, S, M Emery Thompson, and S Gangestad. Women exposed to the scents of fertile and luteal-phase women: Evaluative, competitive, and endocrine responses. Adaptive Human Behavior & Physiology 1:434-448.
- 2015 Stieglitz, J, BC Trumble, M Emery Thompson, AD Blackwell, D Cummings, H Kaplan, and M Gurven. Depression as sickness behavior? A test of the host defense hypothesis in a high pathogen population. Brain, Behavior, and Immunity 49: 130-139.
- 2015 Georgiev, AV, M Emery Thompson, TM Mandalaywala, and D Maestripieri. Oxidative stress as an indicator of the costs of reproduction among free-ranging rhesus macaques. Journal of Experimental Biology 218: 1981-1985.
- 2015 Trumble, B, J Stieglitz, M Emery Thompson, E Fuerstenberg, H Kaplan, and M Gurven. Testosterone and male cognitive performance in Tsimane forager-horticulturalists. American Journal of Human Biology 27: 582-586.
- 2015 Georgiev, AV, M Muehlenbein, S Prall, M Emery Thompson, and D Maestripieri. Male quality, dominance rank and mating success in free-ranging rhesus macaques. Behavioral Ecology 26: 763-772.
- 2014 Emery Thompson, M, MN Muller, and RW Wrangham. Male chimpanzees compromise the foraging success of their mates in Kibale National Park, Uganda. Behavioral Ecology and Sociobiology 68: 1973-1983.
- 2014 von Rueden, CR, BC Trumble, M Emery Thompson, J Stieglitz, AD Blackwell, HS Kaplan, and M Gurven. Political influence associates with cortisol and health among egalitarian forager-farmers. Evolution, Medicine, and Public Health 2014: 122-133.
- 2014 Emery Thompson, M, and AV Georgiev. The high price of success: costs of mating effort in male primates. International Journal of Primatology 35: 609-627.
- 2014 Benenson, J, MN Kuhn, PJ Ryan, AJ Ferranti, R Blondin, M Shea, C Charpentier, M Emery Thompson, and RW Wrangham. Human males appear more prepared than females to resolve conflicts with same-sex peers. Human Nature: An Interdisciplinary Biosocial Perspective 25: 251-268.

- 2014 Georgiev, AV, AF Russell, M Emery Thompson, E Oтали, MN Muller, and RW Wrangham. The foraging costs of mating effort in male chimpanzees. International Journal of Primatology 35: 725-745.
- 2013 Emery Thompson, M. Comparative reproductive energetics of human and non-human primates. Annual Review of Anthropology 42: 287-304.
- 2013 Emery Thompson, M. Reproductive ecology of female chimpanzees. American Journal of Primatology 75: 222-237.  
*\*Winner of AJP Editor's Choice Award for Most Outstanding Research Paper of 2013.*
- 2013 McCabe, GM and M Emery Thompson. Reproductive seasonality in wild Sanje mangabeys (*Cercocebus sanjei*), Tanzania: Relationship between capital breeding strategy and infant survival. Behaviour 150: 1399-1429.
- 2013 Griskevicius, V, JM Ackerman, SM Cantu, AW Delton, TE Robertson, JA Simpson, M Emery Thompson, JM Tybur. When the economy falters do people spend or save? responses to resource scarcity depend on childhood environments. Psychological Science 24: 197-205.
- 2012 Emery Thompson, M, MN Muller, and RW Wrangham. Variation in muscle mass in wild chimpanzees: application of a modified urinary creatinine method. American Journal of Physical Anthropology 149: 622-627.
- 2012 Emery Thompson, M, A Zhou, and CD Knott. Low testosterone correlates with delayed development in male orangutans. PLoS ONE 7: e47282.
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### Articles Appearing in Chapters in Edited Volumes

2022 Emery Thompson, M. Evolutionary approaches in aging research. Geroscience as the New Public Health Frontier. Ed by J Kirkland, SJ Olshansky, GM Martin. Cold Spring Harbor Laboratory Press.

2022 Emery Thompson, M. In Chimpanzee Memoirs: Stories from those dedicated to studying and saving our closest living relatives. Edited by S Ross and L Hopper. Columbia University Press.

2020 Emery Thompson, M and K Sabbi. Evolutionary Demography of the Great Apes. Human Evolutionary Demography. Edited by R Sear, O Burger, and R Lee. Open Book Publishers; Cambridge, UK. Preprint published online: <https://osf.io/d2thj/>

2018 Emery Thompson, M. Richard Wrangham. Encyclopedia of Animal Cognition and Behavior. Edited by J Vonk and TK Shackelford, Springer Nature.

2018 Emery Thompson, M. Reproductive Seasonality. The International Encyclopedia of Biological Anthropology. Edited by W Trevathan, John Wiley & Sons, Inc.

2018 Emery Thompson, M. Sexual coercion as a mechanism of sexual selection. Encyclopedia of Evolutionary Psychological Science. Edited by TK Shackelford & VA Weekes-Shackelford, Springer Press.

2018 Emery Thompson, M. Barbara Smuts and Robert Smuts. Encyclopedia of Evolutionary Psychological Science. Edited by TK Shackelford & VA Weekes-Shackelford, Springer Press.

2017 Emery Thompson, M and PT Ellison. Fertility and fecundity. Chimpanzees and Human Evolution. Edited by MN Muller, RW Wrangham, and D Pilbeam. Harvard University Press, pp. 217-258.

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- 2015 Emery Thompson, M. Sexual behavior. Emerging Trends in the Social and Behavioral Sciences. Edited by RA Scott and SM Kosslyn. John Wiley & Sons.
- 2015 Emery Thompson, M and Z Machanda. Chimpanzees. The International Encyclopedia of Human Sexuality, First Edition. Edited by P. Whelehan and A. Bolin. John Wiley & Sons, Inc.
- 2013 Emery Thompson, M and RW Wrangham. *Pan troglodytes*. Mammals of Africa. Edited by DCD Happold, J Kingdon, and T Butynski. Bloomsbury Publishing, pp. 55-64.
- 2012 Emery Thompson, M, and L Alvarado. 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.
- 2012 Newton-Fisher, NE and M Emery Thompson. 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.
- 2012 Muller, MN and M Emery Thompson. 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.
- 2009 Emery Thompson, M. 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.
- 2009 Emery Thompson, M. 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.
- 2009 Knott, CD, M Emery Thompson, and SA Wich. 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.
- 2006 Emery Thompson, M, RW Wrangham, V Reynolds. 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.

2006 Emery Thompson, M, RW Wrangham. 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**

2021 Emery Thompson, M. Primate Reproduction: When timing is everything [Dispatch]. Current Biology 31: R9-R13.

2019 Emery Thompson, M and Z Machanda. The Kibale Chimpanzee Project: A case study of the benefits and challenges of long-term field studies as a platform for longitudinal aging research. Working paper commissioned by the National Institute on Aging.

2019 Emery Thompson, M. Book Review: “The New Chimpanzee: A Twenty-First Century Portrait of Our Closest Kin” (Craig Stanford, Harvard University Press, 2018, 260 pp.), Quarterly Review of Biology 94: 86-87.

2019 Emery Thompson, M. Book Review: “The Mandrill: A Case of Extreme Sexual Selection” (Alan F. Dixson. 2015/paperback 2018, Cambridge University Press, 276 pp.) American Journal of Primatology 81: e22946.

2019 Gangestad, S, M del Giudice, N Grebe, M Emery Thompson, T Dinh. Psychological cycle shifts redux, once again: response to Stern et al., Roney, Jones et al., and Higham. Evolution and Human Behavior 40: 537-542.

2018 Gangestad, SW, T Dinh, NM Grebe, K Gildersleeve, M Emery Thompson, MG Haselton. Are ovulatory shifts in women’s mate preferences robust? Selection models say it depends. Preregistered study, Journal of Personality and Social Psychology: Interpersonal Relations and Group Processes.

2018 Emery Thompson, M. A thousand ways to build a baby. Book Review: “Reproduction in Mammals: The Female Perspective”, by V Hayssen and TJ Orr. Evolutionary Anthropology 27: 134-136.

2015 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.

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

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

2012 Emery Thompson, M. 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.

2012 Emery Thompson, M. 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*

Emery Thompson, M. Diet and the energetics of reproduction. How Primates Eat: A Synthesis of Nutritional Ecology Across the Mammal Order. Edited by JE Lambert, MAH Bryer, and JM Rothman. University of Chicago Press. *Publication Date Jun 2024*.

Sabbi, KH, SE Kurilla, IG Monroe, Y Zhang, A Menante, MF Cole, E Otali, M Kobusingye, M Emery Thompson, MN Muller, RW Wrangham, ZP Machanda. Seasonal fluctuations in adult play reveal a hidden cost of motherhood for chimpanzees. Current Biology, 2/2024.

### *Submitted for Publication*

Mine, JG, LC Dees, C Wilke, EP Willems, Z Machanda, M Muller, M Emery Thompson, RW Wrangham, EJ Scully, K Langergraber, S Stoli, KE Slocombe, SW Townsend. Like mother, like chimp: the maternal influence on multi-modal communication in chimpanzees. *In review*, 9/2023.

Muller, MN, KH Sabbi, M Emery Thompson, DK Enigk, L Hagberg, ZP Machanda, A Menante, E Otali, RW Wrangham. Age-related reproductive effort in male chimpanzees: Terminal investment or alternative tactics? *In revision*, Animal Behaviour, 1/2024

Roney, JR, ZL Simmons, M Mei, RL Grillot, M Emery Thompson. Decreased sexual motivation during the implantation window. *In revision*, 2/2024

Cole, MF P Barnes, J Rukundo, M Emery Thompson, AG Rosati. Age-associated physiological dysregulation varies by lifestyle in chimpanzees (*Pan troglodytes*). *In revision*, Evolutionary Medicine & Public Health, 1/2024

### *In preparation*

Weary, TE, T Pappas, P Tusiime, S Tuhaise, E Oтали, M Emery Thompson, E Ross, JE Gern, TL Goldberg. Common cold viruses circulating in children threated wild chimpanzees through asymptomatic adult carriers.

Fox, SA, MN Muller, N Camargo Pena, N Thompson-Gonzalez, Z Machanda, E Oтали, R Wrangham, M Emery Thompson. Differentiated relationships and selective social tolerance among wild female chimpanzees.

Callison, WE, M Gurven, TS Kraft, ZP Machanda, MN Muller, E Oтали, M Emery Thompson, RW Wrangham. Aging and ventilation in humans compared to chimpanzees. *In revision*.

Massaro, AP, EV Lonsdorf, M Emery Thompson, ZP Machanda, J Pruett, K Koops, SSK Kaburu, ML Wilson. Genital wounding in chimpanzees: targeted events or happenstance?

## **Invited or Refereed Abstracts and/or Presentations at Professional Meetings**

### *Invited Lectures*

2024 Socioecology of Social Aging workshop, University of California at Santa Barbara, CA, October 17-18 [upcoming].

2024 Lucy 50<sup>th</sup> Anniversary Symposium, hosted by Arizona State University Institute of Human Origins. Phoenix, AZ, April 4-6 [upcoming].

2022 UNM Lightning Lounge. “Do chimpanzees hold the secrets to successful aging?” Albuquerque, NM, October 19.

2022 Social Dimensions of Health and Aging Research Network Catalysis Meeting. “Comparative Field Studies of Social Behavior & Aging”. Minneapolis, MN, September 22-24.

2022 Science on Tap. National Museum of Nuclear Science and History. Albuquerque, NM, July 29.

2022 Oregon Institute for Occupational Health Sciences, Oregon Health and Science University. Chimpanzees and the Evolution of Healthy Aging. Presented virtually, April 27.

2022 Duke University Department of Anthropology Seminar Series. Chimpanzees and the Evolution of Human Aging. Presented virtually, February 25.

2021 University of California, Los Angeles, Center for Behavior, Evolution and Culture. “The Graying Ape: What can chimpanzees tell us about the evolution of human aging?” Presented virtually, November 1.

- 2021 National Institute on Aging Workshop: Determinants of Species Differences in Health and Nonhuman Primate Life Spans and Health Spans. “Relationship of species variation in reproductive life histories to life span”. Presented virtually, August 10-11.
- 2021 Leakey Foundation, Lunch Break Science. Presented virtually, July 15.
- 2021 Paul F. Glenn Center for Biology of Aging Research, Harvard Medical School, Aging Science Talks. “Musculoskeletal aging in wild chimpanzees”. Presented virtually, March 23.
- 2021 University of the Ryukyus, Gender Studies Roundtable. “Lesser Apes? What can female apes tell us about social relationships?” Presented virtually, February 21.
- 2021 International Society for Evolutionary Medicine and Public Health Club EvMed. “Successful aging in the forest? How wild chimpanzees can help us understand the evolution of human aging”. Presented virtually, January 28.
- 2020 University of California at Berkeley Demography Brown Bag Series. “Evolution Demography of the Great Apes” (w/K Sabbi). Presented virtually, December 2.
- 2020 Boston University Biology Department. “Kibale Chimpanzee Project: 30 Years of Research, Conservation, and Change”. Presented virtually, October 14.
- 2020 Penn State University Anthropology Colloquium Series. “Aging in the Forest: Insights on the Evolution of Human Aging from our Closest Relatives”. Presented virtually, October 8.
- 2019 Advances in Primate Nutritional Ecology, Health, and Energetics Workshop. “The Invisible Costs of Lactation in Wild Chimpanzees”. Rutgers University, New Brunswick, NJ. October 23-25.
- 2019 Max Planck Institute for Evolutionary Anthropology, 40 years of Research at the Tai Chimpanzee Project. “Hormones, Behavior, and Life History in Wild Chimpanzees of Kanyawara”. Leipzig, Germany, May 29-31.
- 2019 University of California at Davis Anthropology Colloquium Series. “Chimpanzees and the Evolution of Human Life History”. Davis, CA, May 6.
- 2019 Maxwell Museum Ancestors Lecture, University of New Mexico. “Lesser Apes? What can female chimpanzees tell us about human evolution?” Albuquerque, NM, January 13.
- 2018 Stony Brook University Behavioral Ecology Group. “Chimpanzees and the Evolution of Human Life History”. Stony Brook, NY, April 20.
- 2018 University of Michigan Department of Anthropology. “Chimpanzees and the Evolution of Human Life History”. Ann Arbor, MI, March 5.

- 2018 Cleveland Museum of Natural History Explorer Series. “The secret lives of female chimpanzees”. Cleveland, OH, February 18.
- 2017 UNM Interdisciplinary workshop: The Dynamics in Matrilineal Kinship Systems. “Expressions of matrilineality in non-human primates”. Albuquerque, NM. February 4-5.
- 2016 German Primate Research Center, Gottingen, Germany. November 24.
- 2016 University of Chicago Department of Organismal Biology and Anatomy. “Life history tradeoffs in chimpanzees”. Chicago, IL, August 17.
- 2016 Chicago Council for Science & Technology. “The secret lives of female chimpanzees”. Chicago, IL. August 17.
- 2016 Chimpanzees in Context Symposium. “Chimpanzee reproduction in context: a lifespan perspective”. Lincoln Park Zoo, Chicago, IL. August 18-20.
- 2016 New York Consortium in Evolutionary Primatology. “Life history tradeoffs in wild chimpanzees”. New York, NY. May 21.
- 2015 UCLA Center for Behavior, Evolution and Culture. “On less fertile ground: chimpanzee life histories in context”. Los Angeles, CA. November 23.
- 2015 5<sup>th</sup> Mexican Congress of Primatology, Magistral (Keynote Address): “The secret lives of female chimpanzees”. Veracruz, Mexico. June 29.
- 2015 University of California Santa Barbara, Broom Center for Demography. “On less fertile ground: chimpanzee life histories in context”. Santa Barbara, CA. June 1.
- 2015 University of Utah. “On less fertile ground: chimpanzee life histories in context”. Salt Lake City, UT. April 23.
- 2015 Arizona State University. “On less fertile ground: chimpanzee life histories in context”. Tempe, AZ. April 17.
- 2014 Universidad Veracruzana. “Advances in the study of primate energetics”. Veracruz, Mexico. November 20-21.
- 2014 Duke University Evolutionary Anthropology Department. “Chimpanzees and the evolution of human life history”. Durham, NC. March 7.
- 2013 University of Arizona School of Anthropology Distinguished Speaker Series. “Chimpanzees and the evolution of human life history”. Tucson, AZ. March 21.
- 2013 Harvard University Department of Human Evolutionary Biology. “Chimpanzees and the evolution of human life history”. Cambridge, MA. February 21.

- 2013 University of New Mexico Department of Anthropology. “Chimpanzees and the evolution of human life history”. Albuquerque, NM. February 18.
- 2012 University of Chicago Department of Comparative Human Development. “Chimpanzees and the evolution of human life history”. Chicago, IL. October 3.
- 2010 Leakey Foundation Trustees’ Dinner. “The Future of Science and Conservation”. San Francisco, CA. October 14.
- 2010 Binghamton University Evolutionary Studies (EvoS) Program. “The hidden lives of female apes”. Binghamton, NY. May 7.
- 2010 Indiana State University 3<sup>rd</sup> Annual Women in Science Speaker/Darwin Keynote. “Hormones and the hidden lives of female apes”. Terra Haute, IN. February 23.
- 2008 University of Kyoto Primate Research Institute. “Reproductive aging in chimpanzees”. Inuyama, Japan. November 19.
- 2008 University of New Mexico Department of Anthropology Colloquium. “The ecology of reproduction in chimpanzees”. Albuquerque, NM, April 24.
- 2006 Yale University Department of Anthropology Brown Bag. “Determinants of reproductive success in wild chimpanzees”. New Haven, CT. November 16.
- 2004 Harvard University Anthropology Day. “Ovarian hormones in wild chimpanzees: the role of hormones in sex and conception”. Cambridge, MA. September 4.
- 2003 Howard Hughes Medical Institute. “Reproductive endocrinology of chimpanzees”. Birmingham, AL, November 10.

### *Conference Abstracts*

- 2024 American Association of Physical Anthropologists 92nd meeting, Reno, NV, April 19-22.
- Emery Thompson, M, E Oтали, MN Muller, RW Wrangham, ZP Machanda. Contact aggression differently predicts risk of injury in male and female chimpanzees.
  - Fox, SA, MN Muller, N Camarga Pena, N Thompson Gonzalez, Z Machanda, E Oтали, RW Wrangham, M Emery Thompson. Social tolerance as a component of relationship quality among wild female chimpanzees.
  - Lonsdorf, EV, M Stanton, D Mwacha, T Gillespie, Z Machanda, MN Muller, RW Wrangham, M Emery Thompson. Age and sex differences in clinical signs of health in wild chimpanzees.
  - Muller, MN, KH Sabbi, M Emery Thompson, DK Enigk, L Hagberg, ZP Machanda, A Menante, E Oтали, RW Wrangham. Reproductive tactics in aging male chimpanzees.
- 2023 Southwest Association of Biological Anthropologists. Tucson, AZ, October 27-28.

- Fox, SA, MN Muller, N Camarga Pena, Z Machanda, E Otali, RW Wrangham, M Emery Thompson. Wild female chimpanzees associate, affiliate, and cooperate with each other more in the absence of male chimpanzees.
- Cole, MF, SA Fox, MN Muller, E Otali, Z Machanda, RW Wrangham, M Emery Thompson. Trait-level cortisol predicts grooming partner diversity in wild chimpanzees.  
\* Winner of student prize.

2023 International Primatological Society 29<sup>th</sup> Congress, Kuching, Malaysia, April 19-25.

- Sabbi, KH, SE Kurilla, IG Monroe, Y Zhang, A Menante, MF Cole, E Otali, M Kobusingye, M Emery Thompson, MN Muller, RW Wrangham, ZP Machanda. Seasonal fluctuations in adult social play differ for mothers versus others among wild East African chimpanzees (*Pan troglodytes schweinfurthii*).
- Cole, MF, SA Fox, MN Muller, E Otali, Z Machanda, RW Wrangham, M Emery Thompson. Trait-level cortisol predicts grooming behavior in wild chimpanzees.
- Fox, SA, MN Muller, N Camarga Pena, Z Machanda, E Otali, RW Wrangham, M Emery Thompson. The presence of males impedes female association, affiliation, and cooperation in wild chimpanzees, *Pan troglodytes schweinfurthii*.
- Emery Thompson, M, E Otali, EV Lonsdorf, MN Muller, RW Wrangham, ZP Machanda. Patterns of injury across the life course in wild chimpanzees.

2023 American Association of Physical Anthropologists 92nd meeting, Reno, NV, April 19-22.

- Cole, MF, SA Fox, MN Muller, E Otali, Z Machanda, RW Wrangham, M Emery Thompson. Individual differences in baseline cortisol and cortisol reactivity among wild chimpanzees (*Pan troglodytes*) at Kanyawara (poster). \*Winner of honorable mention student prize for Cole.
- Finkel, BJ, S Namaganda, M Emery Thompson, JC Mitani. Within and between community correlates of urinary testosterone in adult male chimpanzees (*Pan troglodytes*) (podium paper).

2022 International Society for Evolutionary Medicine & Public Health 7<sup>th</sup> Annual Meeting, Lisbon, Portugal. July 5-8.

- Emery Thompson, M. Sex differences in health among chimpanzees (podium paper).

2022 American Association of Physical Anthropologists 91<sup>st</sup> meeting, Denver, CO, March 23-26.

- Fox, SA, DK Enigk, ZP Machanda, MN Muller, E Otali, N Thompson Gonzalez, RW Wrangham, M Emery Thompson. Social relationship quality predicts coalition formation among adult female chimpanzees (podium paper). American Journal of Biological Anthropology 177(S73): 61. \*Winner of Outstanding Student Presentation to Fox.
- Vogel, ER, SE Alavi, DJ Naumenko, M Watford, S Utami Atmoko, BE Crowley, RS Brittain, TD Brandsford, M Emery Thompson, A Zulfa, WD Aguado, MA van Noordwijk, JM Rothman, D Raubenheimer. Integrated behavioral and metabolically flexible responses of wild orangutans to variation in nutritional intake (podium paper). American Journal of Biological Anthropology 177(S73): 191.

- Negrey, JD, M Emery Thompson, KE Langergraber, ZP Machanda, JC Mitani, MN Muller, E Otali, RB Reddy, RW Wrangham, TL Goldberg. Viral infection and life history trade-offs in wild chimpanzees (podium paper). American Journal of Biological Anthropology 177(S73): 133.
  - Sabbi, KH, MF Cole, SE Kurilla, A Menante, IG Monroe, M Emery Thompson, MN Muller, E Otali, RW Wrangham, ZP Machanda. Playing with purpose: sex differences in social play among wild adult chimpanzees (*Pan troglodytes schweinfurthii*) (podium paper). American Journal of Biological Anthropology 177(S73): 158.
  - Finkel, BJ, S Namaganda, M Clauss, M Emery Thompson, JC Mitani, AJ Marshall. Foraging proficiency decreases with age in old male chimpanzees at Ngogo, Kibale National Park, Uganda (podium paper). American Journal of Biological Anthropology 177(S73): 58.
- 2022 International Primatological Society 28<sup>th</sup> Congress, Quito, Ecuador. Jan 10-12, 2022.
- Emery Thompson, M. Rethinking the role of lactation in chimpanzee life histories. Invited symposium paper, 60 Years of Chimpanzee Research at Gombe: Current Research on Foundational Questions (presented virtually).
  - Emery Thompson, M, M Cole, A Rosati. The ecological context of chimpanzee (*Pan troglodytes*) health. Invited symposium paper, Research in African Sanctuaries: Linking Behavior, Physiology, and Conservation (presented virtually).
- 2020 American Association of Physical Anthropologists 89<sup>th</sup> meeting (Published abstracts, conference cancelled due to COVID-19)
- Emery Thompson, M, SA Fox, A Berghaenel, K Sabbi, S Phillips-Garcia, DK Enigk, E Otali, ZP Machanda, MN Muller, RW Wrangham. Aging of the hypothalamic-pituitary-adrenal axis in wild chimpanzees. American Journal of Physical Anthropology 171(S69): 80.
  - Brown, M, M Emery Thompson. Redefining what it means to win an intergroup conflict among red-tailed monkeys (*Cercopithecus ascanius*) in Kibale National Park, Uganda. American Journal of Physical Anthropology 171(S69): 38.
  - Reynolds, AZ, SM Mattison, M Emery Thompson, PL Hooper, KE Starkweather, C-Y Sum, S Mingjie, L Hui, T Blumenfield, MK Shenk, K Wander. Matriliny predicts lower inflammation for women in the Mosuo of Southwest China. American Journal of Physical Anthropology 171(S69): 233.
  - Cole, MF, M Emery Thompson, J Rukundo, S Fernandez-Navarro, R Atencia, TL Goldberg, AG Rosati. Healthy blood lipid profiles in wild-born chimpanzees (*Pan troglodytes*) are associated with low adiposity and inflammation. American Journal of Physical Anthropology 171(S69): 55.



- Thompson, NA, E Oтали, ZP Machanda, MN Muller, RW Wrangham, M Emery Thompson. Urinary markers of oxidative stress respond to infection and aging in wild chimpanzees. American Journal of Physical Anthropology 171(S69): 283.
  - Sabbi, KH, M Emery Thompson. The crash-weaning diet: two case studies on the consequences of unusually early and fast weaning of East African chimpanzees (*Pan troglodytes schweinfurthii*). American Journal of Physical Anthropology 171(S69): 243.
  - Steinitz, R, M Emery Thompson, M Brown. Red-tailed monkeys (*Cercopithecus ascanius*) employ both behavioral and physiological strategies to overcome seasonal hardship. American Journal of Physical Anthropology 171(S69): 274.
- 2019 Gerontological Society of America, Austin, TX. Nov 13-17
- Thompson, NA, E Oтали, Z Machanda, M Muller, R Wrangham. Urinary markers of oxidative stress correspond to infection and aging in wild chimpanzees (poster). Innovation in Aging 3: S896.
- 2019 International Society for Evolution, Medicine, and Public Health, Zurich, Switzerland. August 13-16.
- Emery Thompson, M, ZP Machanda, A Rosati, MN Muller, RW Wrangham. Do shorter lifespans in chimpanzees mean that they age less well than humans? (podium paper)
- 2019 American Society of Tropical Medicine and Hygiene, New Orleans, LA. October 28-November 1
- Owens, L, S Friant, S Phillips-Garcia, M Emery Thompson, T Goldberg. Parasites detected by metagenomic barcoding both confirm microscopy and identify additional organisms (poster). American Journal of Tropical Medicine and Hygiene 99: 616.
- 2019 Ecology and Behaviour Society, Toulouse, France. May 19-24.
- Melvin, Z, S Winters, J Higham, D Maestripieri, M Emery Thompson, A Georgiev. Does sexually attractive facial colouration in rhesus macaques reflect their ability to cope with oxidative stress? (poster)
- 2019 American Association of Physical Anthropologists 88<sup>th</sup> meeting, Cleveland, OH. March 27-30
- Emery Thompson, M, ZP Machanda, E Oтали, MN Muller, RW Wrangham. Physical frailty, aging, and mortality in wild chimpanzees (podium paper). American Journal of Physical Anthropology 168(S68): 69.
  - Sabbi, KH, MN Muller, ZP Machanda, E Oтали, RW Wrangham, M Emery Thompson. Sex differences in adrenal hormone production throughout development among Kanyawara chimpanzees (*Pan troglodytes schweinfurthii*) at Kibale National Park, Uganda (podium paper). American Journal of Physical Anthropology 168(S68): 213.  
\*Honorable mention, excellence in student presentation to Sabbi

- Muller, MN, M Emery Thompson, DK Enigk, L Hagberg, ZP Machanda, K Sabbi, RW Wrangham. Aggression, coalition formation, and aging in wild chimpanzees (podium paper). American Journal of Physical Anthropology 168(S68): 171.
  - Phillips-Garcia, S, TL Goldberg, MN Muller, ZP Machanda, S Friant, E Oтали, J Carag, KE Langergraber, JC Mitani, RW Wrangham, M Emery Thompson. Trade-offs between reproduction and immunity in wild female chimpanzees (*Pan troglodytes schweinfurthii*) of Kibale National Park, Uganda (podium paper). American Journal of Physical Anthropology 168(S68): 191.
  - Kalbitzer, U, ML Bergstrom, FA Campos, SD Carnegie, M Emery Thompson, KM Jack, AD Melin, LM Fedigan. Linking female sociability and infant survival in capuchins: the roles of direct and indirect social connections, food competition, and energetic status (podium paper). American Journal of Physical Anthropology 168(S68): 118.
  - Goldberg, TL, S Basnet, M Emery Thompson, JE Gern, KA Grindle, KE Langergraber, Z Machanda, JC Mitani, MN Muller, JD Negrey, E Oтали, L Owens, AC Palmenberg, TE Pappas, S Phillips-Garcia, RB Reddy, EJ Scully, RW Wrangham. Chimpanzee revers zoonoses: Unfortunate natural experiments in great ape comparative medicine and demography (podium paper). American Journal of Physical Anthropology 168(S68): 88.
  - Machanda, ZP, A Rosati, L Hagberg, E Oтали, M Emery Thompson, M Muller, R Wrangham. Podium paper: Changing social relationship among aging male chimpanzees (podium paper). American Journal of Physical Anthropology 168(S68): 149.
  - Enigk, D, M Emery Thompson, ZP Machanda, E Oтали, RW Wrangham, MN Muller. Competitive ability complements coalition formation in wild chimpanzees (podium paper). American Journal of Physical Anthropology 168(S68): 70.
- 2018 American Association of Physical Anthropologists 87<sup>th</sup> meeting, Austin, TX. April 11-15
- Emery Thompson, M, ZP Machanda, EJ Scully, D Enigk, E Oтали, MN Muller, TL Goldberg, C Chapman, RW Wrangham. Morbidity and mortality from respiratory infection in wild chimpanzees from Kanyawara, Kibale National Park, Uganda (poster). American Journal of Physical Anthropology 165(S66): 77.
  - Muller, MN, M Emery Thompson, BH Hahn, KE Langergraber, EJ Scully, L Vigilant, RW Wrangham, EE Wroblewski, AE Pusey. Male mating competition and sexual dimorphism in the duration of effective breeding in wild chimpanzees (podium paper). American Journal of Physical Anthropology 165(S66): 184.
  - Enigk, DK, M Emery Thompson, ZP Machanda, E Oтали, RW Wrangham, MN Muller. The development of male-female dominance relationships in wild chimpanzees (podium paper). American Journal of Physical Anthropology 165(S66): 78-79.

- Sabbi, KH, M Emery Thompson, ZP Machanda, RW Wrangham, and MN Muller. Immature male chimpanzees receive higher rates of aggression compared to females (podium paper). American Journal of Physical Anthropology 165(S66): 236.
- Bransford, TD, M Emery Thompson, DJ Naumenko, MA van Noordwijk, S Utami-Atmoko, ER Vogel. Variables influencing cortisol levels during motherhood in wild Bornean orangutans (poster). American Journal of Physical Anthropology 165(S66): 35.
- Fox, SA, ZP Machanda, MN Muller, E Otali, RW Wrangham, M Emery Thompson. Wild female chimpanzees are more social and feed less often when they have young infants (podium paper). American Journal of Physical Anthropology 165(S66): 89.
- Phillips-Garcia, S, M Emery Thompson, MN Muller, ZP Machanda, E Scully, E Otali, TL Goldberg, RW Wrangham, P Parham, E Wroblewski. Ecoimmunology of wild chimpanzees (*Pan troglodytes schweinfurthii*): Does MHC genotype or phenotype predict occurrence of respiratory infection. American Journal of Physical Anthropology 165(S66): 207. \*Winner of the American Association of Anthropological Genetics' Student Prize.

2017 American Association of Physical Anthropologists 86<sup>th</sup> meeting, New Orleans, LA. April 19-22

- Emery Thompson, M, ZP Machanda, S Phillips-Garcia, E Otali, MN Muller, and RW Wrangham. Longitudinal changes in diet and reproduction among wild chimpanzees at Kanyawara, Kibale National Park (podium paper). American Journal of Physical Anthropology 162(S64): 172-173.
- Enigk, DK, M Emery Thompson, ZP Machanda, RW Wrangham, and MN Muller. Adolescent male aggression towards adult females represents dominance striving, not sexual coercion, in wild chimpanzees (podium paper). American Journal of Physical Anthropology 162(S64): 173.
- Sabbi, K, M Emery Thompson, MN Muller, ZP Machanda, and RW Wrangham. Attention to social grooming among immature East African chimpanzees (*Pan troglodytes schweinfurthii*) of the Kanyawara community at Kibale National Park (podium paper). American Journal of Physical Anthropology 162(S64): 342. \*Awarded Ales Hrdlicka Prize for Exemplary Student Presentation.
- Bransford, T, M Emery Thompson, DJ Naumenko, AM Moldawer, AJ Pritchard, MA van Noordwijk, S Utami Atmoko, and ER Vogel. Does the energetic status of wild orangutan mothers vary with infant age? (poster) American Journal of Physical Anthropology 162(S64): 128-129.
- Vogel, ER, TD Bransford, SE Alavi, M Emery Thompson, BE Crowley, WM Erb, MA van Noordwijk, S Utami Atmoko, D Raubenheimer, and JM Rothman. The power of protein: protein regulation, energetics, and health in wild Bornean orangutan (*Pongo*

- pygmaeus wurmbii*) (podium paper). American Journal of Physical Anthropology 162(S64): 397.
- Machanda, ZP, M Emery Thompson, E Otali, MN Muller, and RW Wrangham. Maternal effects on the development of sex differences in sociality among wild chimpanzees (*Pan troglodytes schweinfurthii*) (podium paper). American Journal of Physical Anthropology 162(S64): 270-271.
- 2016 Chimpanzees in Context Symposium, Lincoln Park Zoo, Chicago, IL. August 18-20
- Emery Thompson, M. Chimpanzee reproduction in context: a lifespan perspective (invited presentation)
  - Pontzer, H, MH Brown, M Emery Thompson, and SR Ross. Chimpanzee energetics, ecology, and evolution (invited poster).
- 2016 International Primatological Society 26<sup>th</sup> Congress / American Society of Primatologists 39<sup>th</sup> Meeting, Chicago, IL. August 21-27.
- Emery Thompson, M, K Langergraber, ZP Machanda, MN Muller, E Otali, RW Wrangham. Age-related changes in social interactions in East-African chimpanzees (*Pan troglodytes schweinfurthii*) (invited podium paper).
  - Wellens, KR, J Bray, CM Murray, MA Stanton, M Emery Thompson, EV Lonsdorf, RW Wrangham, ZP Machanda. Comparative patterns of feeding development in wild chimpanzees at Kibale National Park, Uganda, and Gombe National Park, Tanzania (invited podium paper).
  - McCabe, GM, M Emery Thompson, C Ehardt, T Gillespie. Trade-offs between reproduction and parasitism in wild female Sanje mangabeys (*Cercocebus sanjei*) (podium paper).
  - 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 podium paper).
  - 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 podium paper).
  - 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).
  - 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 podium paper).

- 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 (invited podium paper).
- Boehm, E, M Emery Thompson, ZP Machanda, MN Muller, E Oтали, RW Wrangham, AE Pusey. Postconception swellings in wild chimpanzees at Kanyawara and Gombe (invited podium paper).
- 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).
- Wilke, C, E Donnellan, Z Machanda, MN Muller, M Emery Thompson, RW Wrangham, and KE Slocombe. Are more communicative chimpanzees (*Pan troglodytes schweinfurthii*) also more cooperative? (podium paper)

2016 American Association of Physical Anthropologists 85<sup>th</sup> annual meeting, Atlanta, GA. April 13-16

- 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 Journal of Physical Anthropology 159 S62: 78.
- Boehm, EE, AE Pusey, Z Machanda, MN Muller, E Oтали, 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 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 Journal of Physical Anthropology 156 S60: 112.
- Gilby, IC, ZP Machanda, RC O'Malley, CM Murray, DC Mjungu, E Oтали, 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 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 Journal of Physical Anthropology 156 S60: 229.

- Muller, MN, M Emery Thompson, BA Beheim, DK Enigk, M Gurven, K Sabbi, B Trumble, RW Wrangham, and HS Kaplan. Testosterone, musculature, and development in Kanyawara chimpanzees and Tsimane forager-horticulturalists (podium paper). American Journal of Physical Anthropology 156 S60: 236.
- 2015 American Association of Physical Anthropologists 84<sup>th</sup> annual meeting, St. Louis, MO. March 25-29
- Emery Thompson, M, ZP Machanda, N Brazeau, MN Muller, and RW Wrangham. Tradeoffs between reproductive rate and offspring growth in wild chimpanzees (invited podium paper). 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 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 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 Journal of Physical Anthropology 156 S60: 209.
  - Georgiev, AP, MP Muehlenbein, SP Prall, M Emery Thompson, and D Maestriperi. Innate immune function and oxidative stress as measures of male quality in Cayo Santiago rhesus macaques (podium paper). American Journal of Physical Anthropology 156 S60: 143.
  - Brown, M and M Emery Thompson. Energy balance and stress responses correspond with individual participation by redbellied monkeys in aggressive intergroup interactions (podium paper). American Journal of Physical Anthropology 156 S60: 94.
- 2015 Society for Personality and Social Psychology, Social Neuroendocrinology pre-conference, Long Beach, CA. February 26
- Emery Thompson, M. Sex and the stressed-out chimpanzee (invited podium paper).
- 2014 American Society of Primatologists 37<sup>th</sup> Meeting, Atlanta, GA. September 12-15
- Emery Thompson, M, MN Muller, AV Georgiev, ZP Machanda, and RW Wrangham. Energetic and social constraints on the life histories of chimpanzees (invited podium paper). American Journal of Primatology 76 Suppl 1: 48.
- 2014 International Primatological Society 25<sup>th</sup> Congress, Hanoi, Vietnam. August 11-16

- Emery Thompson, M, A Georgiev, K Sabbi, ZP Machanda, MN Muller, RW Wrangham. Primate energetics: Methods and practice (invited podium paper).
  - 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 podium paper).
  - McCabe, G and M Emery Thompson. Energetics of nursing in Sanje mangabeys, *Cercocebus sanjei* (podium paper).
  - Sabbi, K, M Emery Thompson, Z Machanda, MN Muller, and RW Wrangham. Chimpanzee play styles mirror adult social patterns (podium paper).
  - 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).
  - 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)
  - 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).
- 2014 Society of Biological Psychiatry 69<sup>th</sup> annual meeting, New York, NY. May 8-10
- Dinces, S, LN Rowell, JFL Pinner, SN Hile, M Emery Thompson, AC Tang, and RD Annett, Consistent familial warmth predicts child cortisol levels (poster).
- 2014 American Association of Physical Anthropologists 83<sup>rd</sup> annual meeting, Calgary, Alberta, Canada. April 7-12
- Emery Thompson, M, BA Beheim, AD Blackwell, J Stieglitz, BC Trumble, M Gurven, H Kaplan. Immunosenescence in Tsimane forager-horticulturalists (podium paper). 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 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 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 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 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 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 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 Journal of Physical Anthropology 153 Suppl. 58: 65-173.
- 2014 Society of Pediatric Psychology, Philadelphia, PA. March 27-29
- 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).
- 2014 International Neuropsychological 42<sup>nd</sup> annual meeting, Seattle, WA. February 12-15
- 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). Journal of the International Neuropsychological Society 20 Suppl. 1: 12.
- 2013 American Association of Physical Anthropologists 82<sup>nd</sup> annual meeting, Knoxville, TN, April 9-13
- Machanda, ZP, S Ko, M Emery Thompson, E Otali, SM Kahlenberg, MN Muller and RW Wrangham. The development of aggressive play behavior in wild chimpanzees (podium paper). 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 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 podium paper). 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 podium paper). American Journal of Physical Anthropology 150 (S56): 170.
- 2012 International Primatological Society 24<sup>th</sup> Congress, Cancun, Mexico, August 12-17
- Emery Thompson, M, MN Muller, E Fitzgerald, and RW Wrangham. Variation in muscle mass among wild chimpanzees (invited podium paper).
  - Knott, CD and M Emery Thompson. Testosterone and cortisol in the development of sexual bimaturism in orangutans (invited podium paper).
- 2012 Human Behavior & Evolution Society's 24<sup>th</sup> annual meeting, Albuquerque, NM. June 13-17
- Emery Thompson, M, MN Muller and RW Wrangham. Comparative energetics of reproduction in chimpanzees and humans (podium paper). Presented to joint session with Animal Behavior Society.
  - 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).
  - 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).
  - Alvarado, LC, M Emery Thompson, MN Muller, I Nenko & G Jasienska. Physiological consequences of parental effort and testosterone in rural Polish men (podium paper).
- 2012 Animal Behavior Society 49<sup>th</sup> annual meeting, Albuquerque, NM, June 10-14
- Georgiev, A, M Emery Thompson, MN Muller and RW Wrangham. Energetic costs of mating effort in wild chimpanzees (podium paper)
- 2012 American Association of Physical Anthropologists 81<sup>st</sup> annual meeting, Portland, OR. April 11-14
- 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 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 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 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 Journal of Physical Anthropology 147 Suppl 54: 220.
- 2011 American Society of Primatologists 34<sup>th</sup> annual meeting, Austin, TX. September 16-19
- Emery Thompson, M. Energetics and reproductive success in wild female chimpanzees (invited podium paper). 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 Journal of Primatology 73: 100.
  - 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 Journal of Primatology 73: 112.
- 2011 American Association of Physical Anthropologists 80<sup>th</sup> annual meeting, Minneapolis, MN. April 12-16
- Emery Thompson, M, MN Muller, E Fitzgerald & RW Wrangham. Energetic costs of reproduction in wild female chimpanzees (podium paper). American Journal of Physical Anthropology 144 (S52): 293.
- 2010 International Primatological Society 23<sup>rd</sup> Congress, Kyoto, Japan. September 12-18
- 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 podium paper).
  - 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 podium paper)
- 2010 American Association of Physical Anthropologists 79<sup>th</sup> annual meeting, Albuquerque, NM. April 14-17
- 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 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 Journal of Physical Anthropology 141 (S50): 174.

- 2009 American Association of Physical Anthropologists 78<sup>th</sup> annual meeting, Chicago, IL. April 1-4
- 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 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 Journal of Physical Anthropology 138 Suppl 48: 196.
- 2008 3<sup>rd</sup> HOPE International Symposium on Primate Origins of Human Evolution, Tokyo, Japan, November 16
- Emery Thompson, M. What hormones tell us about behavior in chimpanzees (invited podium paper)
- 2008 International Primatological Society 22<sup>nd</sup> Congress, Edinburgh, Scotland, August 3-8
- Knott, CD and M Emery Thompson. Urinary C-peptide of Insulin as a non-invasive measure of energy balance in wild orangutans (invited podium paper).
  - Stumpf, RM, M Emery Thompson, MN Muller, and RW Wrangham. Behavioral and hormonal context of female transfer in wild chimpanzees (invited podium paper).
- 2007 American Association of Physical Anthropologists 76<sup>th</sup> annual meeting, Philadelphia, PA, March 28-31
- Knott, CD, M Emery Thompson and RM Stumpf. Sexual coercion and mating strategies of wild Bornean orangutans (podium paper). American Journal of Physical Anthropology Suppl. 44: 145.
- 2006 International Primatological Society 21<sup>st</sup> Congress, Entebbe, Uganda. June 25-30
- 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 podium paper).
  - Stumpf, RM, M Emery Thompson and CD Knott. Female chimpanzee and orangutan mating strategies compared (invited podium paper).
  - Muller, MN, S Kahlenberg, M Emery Thompson and RW Wrangham. Male aggression against females and stress in wild chimpanzees (invited podium paper).
  - Knott, CD, RM Stumpf, S Kahlenberg and M Emery Thompson. Forced copulations and coercion in Bornean orangutans (invited podium paper).
  - Kahlenberg, SM, M Emery Thompson, IC Gilby & RW Wrangham. Female space use and competition in Kanyawara chimpanzees (*Pan troglodytes schweinfurthii*) (invited podium paper).

- 2005 American Association of Physical Anthropologists 74<sup>th</sup> annual meeting, Milwaukee, WI, April 9
- Emery Thompson, M. Ovarian hormones and reproductive development in wild female chimpanzees (*Pan troglodytes schweinfurthii*) (podium paper).
- 2004 American Society of Primatologists 27<sup>th</sup> annual meeting, Madison, WI. June 11
- 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 podium paper). American Journal of Primatology 62 (S1): 122.
- 2003 10<sup>th</sup> Conference on Retroviruses and Opportunistic Infections, Boston, MA. February 10-14
- 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).

### **Contributed (un-refereed) Abstracts and/or Oral Presentations at Professional Meetings and Workshops**

- 2017 Emery Thompson, M, ZP Machanda, EJ Scully, D Enigk, E Oтали, MN Muller, TL Goldberg, CA Chapman, RW Wrangham. Morbidity and mortality from respiratory infections in wild chimpanzees from Kanyawara, Kibale National Park, Uganda. Southwest Association of Biological Anthropologists meeting. San Diego, CA. November 4.
- 2017 Emery Thompson, M. Expressions of matriliney in non-human primates. Paper presented to workshop on The Dynamics of Gender in Matrilineal Kinship Systems, University of New Mexico. February 4-5.
- 2016 Emery Thompson, M. Center for Comparative Human and Primate Physiology (CHmPP). Lightning talk at the UNM Data-2-Knowledge Symposium, Sevilleta Field Station, New Mexico. September 23.
- 2007 Emery Thompson, M. Behavioral endocrinology of chimpanzees. Paper presented to the Kibale 20<sup>th</sup> Anniversary Workshop on Long-term Research and Conservation, Makerere University Biological Field Station, Uganda. June 15.
- 2005 Emery Thompson, M. Reproduction and residence patterns in female chimpanzees. Paper presented to the New England Biological Anthropology Symposium, Boston, MA, March 19.
- 2003 Emery Thompson, M. Endocrinology and ecology of wild female chimpanzee reproduction. Poster presented at the Gombe Stream Research Center 40<sup>th</sup> Anniversary Symposium, Minneapolis, MN.
- 2012 Feminist Sexuality Research Workshop. Northwestern University, Chicago, IL.

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

## Research

### Research Funding

#### *Federal (Pending)*

Great Apes and the Evolutionary Origins of Long Life: the Influences of Early Life Adversity on Lifespan and Individual Frailty in Wild Chimpanzees and Gorillas

S McFarlin, M Emery Thompson (MultiPI), E Lonsdorf, and F Campos  
National Institutes of Health: National Institute on Aging [R01-AG087961]  
Funding decision pending, impact score 19

#### *Federal (Funded)*

Cumulative Life Course Effects on Aging and Health in a Long-Lived Primate Model

M Emery Thompson (Contact PI), I Gilby, A Rosati, T Goldberg, and E Lonsdorf  
National Institutes of Health: National Institute on Aging/Office of Behavioral and Social Sciences Research [2R37-AG049395]  
2022-2027 \$3,112,788

Novel Frameworks for Explaining Unequal Access to the Health Benefits of Social Ties: A Longitudinal Analysis in Wild Chimpanzees

M Emery Thompson (Contact PI), ZP Machanda  
National Institute on Aging [R61-AG078468]  
2022-2024 \$655,922

Doctoral Dissertation Research: Exploring the Evolutionary Origins of Prestige in Wild Chimpanzees

M Emery Thompson (PI, Supervisor), M Cole (PhD Student Awardee)  
National Science Foundation, Doctoral Dissertation Research Improvement Grant [BCS-2141766]  
2022-2024, \$15,150

Biodemography of Aging in Chimpanzees

M Emery Thompson (Lead PI), J Mitani, A Rosati, and RW Wrangham  
National Institutes of Health: National Institute on Aging/Office of Research on Women's Health [R01-AG049395]  
2015-2021: \$2,942,881

Collaborative Research: The Evolutionary Origins of Leadership in Chimpanzees: from Individual Minds to Collective Actions

M Emery Thompson (UNM PI), MN Muller. Collaborative PIs: A Rosati, Z Machanda  
National Science Foundation [NCS-FO-1926352]  
2019-2023: \$114,263

Variation in Women's Economic Tradeoffs and Risk Preferences

K Starkweather, M Emery Thompson (Co-PI, Mentor)

National Science Foundation, SBE Postdoctoral Fellowship [SMA-1809186]

2018-2020: \$148,000

Relationship Dynamics: Endocrinology and Behavior

S Gangestad, M Emery Thompson (Co-PI)

National Science Foundation [BCS-1729856]

2017-2023: \$300,000

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

M Emery Thompson (PI, supervisor), S Phillips-Garcia

National Science Foundation, Doctoral Dissertation Research Improvement Grant [BCS-1613185]

2016-2018: \$24,727

Developmental Integration and the Ecology of Life Histories in Phylogenetic Perspective

MN Muller, RW Wrangham, M Emery Thompson (Co-PI), 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 (Co-PI)

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

***Private/Intramural (Funded)***Are there multiple pathways to social influence in wild chimpanzees?

M Emery Thompson (PI, supervisor), M Cole

Leakey Foundation pre-doctoral grant to M Cole

2021-2022: \$15,150

Social tolerance and the function of differentiated relationships among wild female chimpanzees

S Fox, M Emery Thompson (supervisor)

Wenner-Gren Foundation for Anthropological Research, Dissertation Fieldwork Grant

2019-2020: \$9,000

Social tolerance and the function of differentiated relationships among wild female chimpanzees

M Emery Thompson (PI, supervisor), S Fox

Leakey Foundation pre-doctoral grant to S Fox

2019-2020: \$15,000

Trade-offs between Reproduction and Immune Function in Female Primates

M Emery Thompson (PI, supervisor), S Phillips-Garcia

Leakey Foundation pre-doctoral grant to S Phillips-Garcia

2018-2019: \$11,125

The Ontogeny of Sex-Typed Behavior among East African Chimpanzees

M Emery Thompson (PI, supervisor), K Sabbi

Leakey Foundation pre-doctoral grant to K Sabbi

2016-2018: \$5,938

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

Endocrinology and Ecology of Wild Female Chimpanzee Reproduction

M Emery, 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, RW Wrangham (supervisor)

Wenner-Gren Foundation for Anthropological Research, Dissertation Fieldwork Grant

2001-2003: \$20,000

M Emery

Harvard University Eliot Fellowship

2003-2004

M Emery

Harvard University Merit Fellowship

2001-2002

M Emery

Mellon Foundation Grant for Pre-Dissertation Fieldwork

2000

M Emery

Sigma-Xi Grant-in-Aid of Research

2000

M Emery

Mellon Foundation Grant for Technical Training

1999

M Emery

Harvard University Sherwood Washburn Fellowship

1998-2001

## Teaching

### Postdoctoral Advisement

Nicole Thompson González, ASERT Fellow/NIGMS Institutional Research and Academic Career Development Program, University of New Mexico, 2018-2021. Current Position: Assistant Professor of Anthropology, University of California Santa Barbara.

Kathrine Starkweather, NSF SBE Fellow, University of New Mexico, 2018-2020. Current Position: Assistant Professor of Anthropology, University of Illinois at Chicago.

Andreas Berghänel, University of New Mexico, 2016-2018. Current Position: Researcher, Wolf Science Center, Austria.

Michelle Brown, NSF SBE Fellow, University of New Mexico/University of Zurich, 2011-2014. Current Position: Associate Professor of Anthropology, University of Minnesota.

### Doctoral Advisement

#### *Principal advisor*

Anuska Mohapatra (chair), Anthropology, University of New Mexico.

Ellen Dyer (chair), Anthropology, University of New Mexico. Received NSF Graduate Research Fellowship.

Jillian Rutherford (chair), Anthropology, University of New Mexico.

Megan Cole (chair), Anthropology, University of New Mexico, on-going. Received NSF Graduate Research Fellowship, Leakey Foundation pre-doctoral grant, NSF Dissertation Improvement Grant.

Stephanie Fox (chair), PhD Anthropology with Distinction, 2023, University of New Mexico. Received NSERC graduate scholarship, Leakey Foundation pre-doctoral grant, Wenner-Gren dissertation fieldwork grant, Anthropology Dissertation Completion Fellowship.

Drew Enigk (co-chair), PhD Anthropology with Distinction, 2021, University of New Mexico. *Behavioral Strategies of Social Relationship Formation and Competition among Adolescent Male Chimpanzees at Kanyawara, Kibale National Park, Uganda*. Received NSF Graduate Research Fellowship. Current position, Institutional Giving Coordinator, Desert Botanical Garden.

Kristin Sabbi (co-chair), PhD Anthropology with Distinction, 2020, University of New Mexico. *The Ontogeny of Sex-Typed Social Strategies among East African Chimpanzees (Pan troglodytes schweinfurthii)*. Received Leakey Foundation pre-doctoral grant, Wenner-Gren dissertation

fieldwork grant. Current position, postdoctoral fellow, Tufts University Department of Anthropology.

***Committee member***

Tran Dinh (committee member), PhD Psychology 2023, University of New Mexico.

John Lower (committee member), Anthropology, University of New Mexico. Ongoing.

Andrew Kennedy (committee member), Anthropology, University of New Mexico. Ongoing.

Emily Moes (committee member), PhD Candidate Anthropology, University of New Mexico. Ongoing.

Diana Rabenold (committee member), PhD Candidate Anthropology, University of New Mexico. Ongoing.

Ally King (external committee member), PhD Candidate Anthropology, University of Calgary. Ongoing.

Kate Rusk (committee member), PhD Anthropology, 2019, University of New Mexico. Current position: Quantitative UX Researcher, Instagram.

Carmen Mosely (committee member), PhD Anthropology, 2019, University of New Mexico. *A Biocultural Examination of Health Risk Among New Mexicans of Spanish-Speaking Descent*. Current position: NAGPRA Repatriation Manager, San Diego Museum of Us.

Caitlin Karniski (external committee member), PhD Biology, 2019, Georgetown University. *Effects of Senescence on Reproduction and Behavior in Bottlenose Dolphins*. Current position: Scientific Writer, PacBio.

Tim Bransford (external committee member), PhD Anthropology, 2019, Rutgers University. *The Energetic and Nutritional Costs of Motherhood in Wild Bornean Orangutans*. Current position: Assistant Professor of Animal Studies, Eckerd College.

Melissa Eaton (external committee member), PhD Psychology, 2018, University of New Mexico. *Maternal Sexuality During Lactation: The Influence of Breastfeeding Recency and Relationship Quality*.

Chance Strenth (external committee member), PhD 2018 Psychology, University of New Mexico. *The Effect of Sublingual Testosterone on Ischemic Pain Sensitivity*.

Christina Cloutier Barbour (external committee member), PhD Anthropology, 2018, University of Utah, *Reproductive and Somatic Aging in Captive Female Chimpanzees (Pan troglodytes)*. Current position: Instructor of Animal Health and Behavior, Unity College.

Sara Garau (external committee member), PhD Neuroethology 2017, Universidad Veracruzana.

Caitlin O'Connell (external committee member), PhD 2018 Anthropology, Boston University. *The costs and benefits of sociality explored in wild Bornean orangutans (Pongo pygmaeus wurmbii)*. Current position: Visiting Assistant Professor of Anthropology, University of Pennsylvania.

Nicholas Grebe (committee member), PhD 2016, Psychology, University of New Mexico. *From Norway with Love: A Study of Oxytocin, Social Bonding, and Life-history Trade-offs*. Current position: Postdoctoral fellow, University of Michigan.

Gandhi Yetish (committee member): PhD Anthropology, 2016, University of New Mexico. *Sleep as a restorative process*. Current position: Postdoctoral fellow, UCLA.

Louis Alvarado (committee member), PhD Anthropology, 2015, University of New Mexico, *Men's Life History, Testosterone, and Health*. Current position: Postdoctoral fellow, SUNY Binghamton.

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: licensed clinical psychologist, Southwest Neuropsychology & Behavioral Health.

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: Program Evaluator, Legislative Finance Committee of New Mexico.

Alexander Georgiev (external committee member), PhD Human Evolutionary Biology 2012, Harvard University, *Energetic Costs of Reproductive Effort in Male Chimpanzees*. Current position: Lecturer in Primatology at Bangor University, Wales.

Lara Saipe Durgavitch (external committee member), PhD Anthropology, 2013, Boston University, *Ovarian Function and Reproductive Behaviors across the Female Orangutan Life Cycle*.

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: Associate Professor of Practice, Department of Anthropology, University of Arizona.

### **Masters Advisement**

Jordan Martinez (committee member), Anthropology, University of New Mexico

John Lower (committee member), M.S. Anthropology, 2022, University of New Mexico

Jillian Rutherford (external committee member), M.S. Geography 2021, University of New Mexico

Jack Grady (committee member), M.S. Anthropology, 2020, University of New Mexico

Adam Reynolds (committee member), M.S. Anthropology, 2019, University of New Mexico

Seth Merkley (chair), M.S. Anthropology, 2017, University of New Mexico

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

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

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

### **Bachelor's Honors Advisement**

William Tara, Anthropology, University of New Mexico, 2023-2024

Lise King-Dooley, Anthropology, University of New Mexico, B.S. *cum laude*, Anthropology 2022, University of New Mexico, *Evolution of sexual swellings in chimpanzee females*.

Kathryn McCollum, Anthropology, University of New Mexico, B.S. *cum laude*, Anthropology 2020, University of New Mexico, *It's All Fun and Games: Functions of Play Behaviors in Wild Chimpanzees at Kibale National Park, Uganda*.

Jillian Rutherford (co-advisor), B.S. *summa cum laude*, Geography 2019, University of New Mexico, *The Kanyawara Chimpanzee Community: A Home-Range Analysis*. Winner of Sigma Xi Superior Undergraduate Award.

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*. Winner of Sigma Xi Superior Undergraduate Award.

### **Classroom Teaching**

#### *University of New Mexico*

Evolution of Primate Behavior (A645) – Fall 2022 (6 students)

Biology of Social Relationships (A450/550) – Fall 2017 (13 students)

Human Biology: Evolution, life history, and health (A2135) – Spring 2023 (cotaught with Ian Wallace, 25 students)

Primate Social Behavior (A363) – Fall 2016 (33 students), Fall 2018 (46), Fall 2021 (30), Spring 2024 (37)

The Human Life Course (A160/A1170) – Summer 2010 (19 students), Spring 2011 (100), Summer 2011 (37), Fall 2011 (72), Spring 2012 (65), Summer 2012 (34), Fall 2012 (81), Spring 2013 (82), Summer 2013 (27), Fall 2013 (46), Spring 2014 (39), Summer 2014 (21), Fall 2014 (70), Spring 2015 (139), Summer 2015 (18), Fall 2015 (67), Summer 2016 (16), Fall 2016 (39), Spring 2017 (48), Fall 2017 (79), Spring 2018 (59), Summer 2018 (41), Fall 2018 (63), Spring 2019 (45), Summer 2019 (26), Fall 2019 (43), Spring 2020 (2 sections: 50+55), Summer 2020 (19), Fall 2020 (2 sections: 32 + 40), Spring 2021 (2 sections: 54 + 17), Summer 2021 (18), Fall 2021 (52); Spring 2022 (60); Spring 2023 (60)

Hormones and Behavior (A450/550) – Fall 2015 (10 students), Fall 2020 (11 students)

Human Biology (A350) – Spring 2011 (82 students)

Human Behavioral Ecology (A360) – Summer 2012 (40 students), Summer 2013 (31), Fall 2013 (21), Summer 2015 (41)

Great Apes: Mind and Behavior (A362/662) – Spring 2014 (75 students), Spring 2017 (53), Spring 2019 (40)

Undergraduate Honors Seminar (A498) – Fall 2014 (5 students)

Primate Sexuality (A450/560) – Spring 2015 (5 students)

### ***Harvard University***

Sophomore Tutorial in Human Evolutionary Biology – 4 semesters

Advanced Laboratory Methods in Primate Endocrinology – 1 semester

## Service

### *Symposia/Workshops Organized*

2019 American Association of Physical Anthropologists 88<sup>th</sup> annual meeting, Cleveland, OH: Evolutionary perspectives on the primate aging process (co-organized with Alexandra Rosati).

2016 International Primatological Society 26<sup>th</sup> Congress, Chicago, IL: Collaborative approaches in chimpanzee behavioral ecology (co-organized with Carson Murray).

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

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

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

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

### - Editorships

Editorial Board, Human Nature, 2021-present

Editorial Board, American Journal of Primatology, 2018-present

Editorial Board, Hormones and Behavior, 2015-present

Editorial Board, Adaptive Human Behavior and Physiology, 2014-present

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

Guest Consulting Editor. Proceedings of the National Academy of Sciences USA, 2 submissions (2017, 2019). eLife, 2 submissions (2021).

Guest Editor (w/Alexandra Rosati, Noah Snyder-Mackler). Special issue of Philosophical Transactions of the Royal Society of London on Evolution of the Primate Aging Process, 2020.

Guest Editor (w/Siobhán Mattison, Mary Shenk, Laura Fortunato, Monique Borgerhoff-Mulder). Special issue of Philosophical Transactions of the Royal Society of London on The Evolution of Female-Biased Kinship in Humans and Other Mammals, 2019.

Guest Manuscript Editor, Proceedings of the National Academy of Sciences USA, 2017

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

- **Peer Review (excluding editorial reviews and panel service)**

2024 (3 reviews) – Journals: *American Journal of Primatology*, *Current Anthropology*, *Hormones and Behavior*.

2023 (11 reviews) – Journals: *American Journal of Biological Anthropology*, *American Journal of Primatology*, *Animal Behaviour*, *Behavioral Ecology & Sociobiology*; *Evolutionary Medicine & Public Health*, *Hormones & Behavior (2)*, *Human Nature*; *Neuroscience & Biobehavioral Reviews*, *Proceedings of the Royal Society of London B*, *Trends in Ecology & Evolution*.

2022 (10 reviews) – Journals: *American Journal of Biological Anthropology*, *Current Opinion in Psychological Science*, *Evolutionary Medicine & Public Health*, *Hormones & Behavior*, *Philosophical Transactions of the Royal Society of London B*; Funders: German Research Foundation, Leakey Foundation, Zukunftscolleg Institute for Advanced Study Fellowship Program

2021 (18 reviews) – Journals: *American Journal of Biological Anthropology*, *American Journal of Primatology*, *Behavioral Ecology & Sociobiology*, *Current Biology*, *eLife*, *Evolutionary Anthropology*, *Journal of Human Evolution*, *Philosophical Transactions of the Royal Society B*, *Primates*, *Proceedings of the National Academy of Sciences*, *Science*

2020 (18 reviews) – Journals: *American Journal of Physical Anthropology*, *American Journal of Primatology*, *Animal Behaviour*, *Archives of Sexual Behavior*, *Biological Conservation*, *Biological Journal of the Linnean Society*, *Biology Letters*, *Communications Biology*, *Current Biology*, *Developments in Primatology*, *Hormones & Behavior*, *PLoS ONE*, *Science*; Funders: Natural Science & Engineering Research Council of Canada Discovery Grants

2019 (23 reviews) – Journals: *American Journal of Physical Anthropology*, *American Journal of Primatology*, *Animal Behavior*, *Behavioral Ecology & Sociobiology*, *Behaviour*, *Current Biology*, *Folia Primatologica*, *Hormones & Behavior*, *International Journal of Primatology*, *PLoS ONE*, *Primates*, *Royal Society Open Science*; Funders: Carnegie Trust for the Universities of Scotland, Leakey Foundation, National Science Foundation

2018 (17 reviews) – Journals: *American Journal of Physical Anthropology*, *American Journal of Primatology*, *Behavioral Ecology*, *Behaviour*, *Ecology & Evolution*, *General & Comparative Endocrinology*, *Hormones & Behavior*, *Journal of Human Evolution*, *Primates*, *Scientific Reports*; Publisher: Cambridge University Press; Funders: Leakey Foundation

2017 (27 reviews) – Journals: *American Anthropologist*, *American Journal of Physical Anthropology*, *American Journal of Primatology*, *Behavioral Ecology*, *Behavioral Ecology & Sociobiology*, *Biology Letters*, *BMC Evolutionary Biology*, *Developments in Primatology*, *Frontiers in Zoology*, *Hormone Research in Pediatrics*, *Journal of Human Evolution*, *Nature Ecology & Evolution*, *Physiology & Behavior*, *Primates*, *Proceedings of the Royal Society of*



*London B*; Funders: French National Research Agency, Fund for Scientific Research FNRS (Belgian), German-Israel Foundation, Leakey Foundation, National Geographic Society

2016 (25 reviews) – Journals: *American Journal of Physical Anthropology, American Journal of Primatology, Hormone Research in Pediatrics, Hormones & Behavior, Human Nature, Integrative & Comparative Biology, International Journal of Primatology, Proceedings of the Royal Society of London B, Psychosomatic Bulletin & Review*; Publishers: Oxford University Press, Princeton University Press; Funders: National Science Foundation Minority Research Fellowship, Leakey Foundation

2015 (13 reviews) – Journals: *American Journal of Physical Anthropology, American Journal of Primatology, Animal Behaviour, Behavioral Ecology & Sociobiology, Hormones & Behavior, International Journal of Comparative Psychology, International Journal of Primatology, Journal of Human Evolution, Primates*; Publishers: Springer Press; Funders: National Institutes of Health

2014 (20 reviews) – Journals: *American Journal of Physical Anthropology, American Journal of Primatology, Animal Behaviour, Behavioral Ecology & Sociobiology, Behaviour, Current Biology, Evolution & Human Behavior, Hormones & Behavior, International Journal of Primatology, Primates, Yearbook of Physical Anthropology*; Publishers: Harvard University Press, Arcus Foundation; Funders: Leakey Foundation, National Geographic Society, National Science Foundation

2013 (13 reviews) – Journals: *American Journal of Human Biology, American Journal of Primatology, Behavioral Ecology & Sociobiology, Current Anthropology, Hormones & Behavior, Naturwissenschaften, Philosophical Transactions of the Royal Society of London B*; Funders: Leakey Foundation, MacArthur Foundation

2012 (18 reviews) -- Journals: *African Journal of Ecology, American Journal of Human Biology, American Journal of Primatology, Animal Reproduction Science, Behavioral Ecology & Sociobiology, Behavioral Science, Biology of Sex Differences, Hormones & Behavior, Human Nature, International Journal of Primatology, Primates*; Publisher: Springer Press; Funders: Leakey Foundation, National Science Foundation, Swiss National Science Foundation

2011 (23 reviews) – Journals: *AGE, American Journal of Physical Anthropology, American Journal of Primatology, Animal Behaviour, Animal Reproduction Science, Behavioral Ecology, Behavioral Ecology & Sociobiology, Current Anthropology, Hormones & Behavior, Human Nature, International Journal of Primatology, Physiology & Behavior, PLoS ONE, Primates*; Publisher: University of Chicago Press, Oxford University Press; Funders: Leakey Foundation

2010 (20 reviews) – Journals: *American Journal of Human Biology, American Journal of Primatology, Animal Behaviour, Behavioral Ecology & Sociobiology, Biological Reviews, Current Anthropology, Current Biology, Folia Primatologica, Hormones & Behavior, International Journal of Primatology*; Funders: Graduate Women in Science, National Science Foundation

2009 (13 reviews) – Journals: *American Journal of Primatology*, *Animal Behaviour*, *Behavioral Ecology*, *Biological Reviews*, *Hormones and Behavior*, *International Journal of Primatology*, *Proceedings of the National Academy of Sciences*, *Veterinary Parasitology*; Funders: Graduate Women in Science, Leakey Foundation, National Science Foundation

2008 (13 reviews) – Journals: *American Journal of Human Biology*, *American Journal of Primatology*, *Animal Behaviour*, *Behavioral Ecology*, *Biology of Reproduction*, *Ethology*, *Evolutionary Bioinformatics*, *Hormones & Behavior*, *International Journal of Primatology*

2007 (10 reviews) – Journals: *Animal Behaviour*, *Behavioral Ecology & Sociobiology*, *Behaviour*, *Current Biology*, *International Journal of Primatology*

2006 (7 reviews) – Journals: *Animal Behaviour*, *Behavioral Ecology*, *Human Nature*, *Primates*

2005 (7 reviews) – Journals: *Aggressive Behavior*, *Animal Behavior*, *Folia Primatologica*; Publishers: Enslow Publishing

2004 (4 reviews) -- Journals: *Animal Behaviour*

### ***Panel Service***

2024 National Institutes of Health Special Emphasis Panel member, *Animal and Biological Material Resource Centers and Resource-Related Research Projects*

2023 National Institutes of Health Special Emphasis Panel Chair, *Animal and Biological Material Resource Centers and Resource-Related Research Projects*

2023 National Institute of Health Special Emphasis Panel member, *Resource Development for Animal Models*

2023 National Institute on Aging Special Emphasis Panel member, *Policy and Alzheimer's Disease (AD) and Alzheimer's Disease-Related Dementia (ADRD) Healthcare Disparities: Access, Utilization, and Quality*

2021 National Institutes of Health Special Emphasis Panel member, *The Role of Social Connectedness and Isolation on Health Outcomes*

2021 National Science Foundation CAREER

2018 National Science Foundation Coupled Human & Natural Systems

2018 National Institute on Aging Special Emphasis Panel member, *Cognitive Research and Resilience to Alzheimer's Disease*

2016 National Science Foundation Graduate Research Fellowship Program  
National Institute on Aging P01 reviewer

2015 National Institute on Aging P01 reviewer

***Academic Reviews***

Faculty Reviews: Stony Brook University Department of Anthropology, UNM School of Medicine, Harvard University Department of Human Evolutionary Biology

Programmatic Reviews: Midcycle review for Harvard University Department of Human Evolutionary Biology (2024)

***Professional Organizations***

Federal Demonstration Partnership, UNM faculty representative, 2022-

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

Publications committee (member), American Society of Primatologists (2020-2022)

Student paper award committee (member), American Journal of Primatology (2020-2021)

Student awards committee (member), Southwest Association of Biological Anthropologists (2015, 2016, 2018, 2019)

Student awards committee (member), International Primatological Society 25<sup>th</sup> Congress, 2014

Student awards committee (member), International Primatological Society 24<sup>th</sup> Congress, 2012

Poster awards committee (member), Animal Behaviour Society, 49<sup>th</sup> annual meeting, 2012

Scientific committee (member), International Primatological Society 23<sup>rd</sup> Congress, 2010

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

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

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

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

American Association for the Advancement of Science (member), 2017-present

Sigma-Xi Scientific Research Honors Society (member), 2019-present

International Society for Evolution, Medicine, and Public Health (member), 2018-present

Leakey Foundation Fellow, 2016-present

***University Service (University/College)***

*As Assistant VPR:*

- Member, Faculty Development Council, 2022-
- Chair, Steering Committee, Research & Discovery Week (2022-2024)
- Coordinator, 2022-2024 Zancada Graduate Fellows Program (selection process and designer/facilitator of year-long professional development program)
- Mentor, Leadership Innovation for Faculty Transformation Program, 2023-
- Member, STEM-H Collaborative Advisory Committee, 2023-
- Member, Animal Research Facility Advisory Committee, 2023-
- Member, Responsible Conduct of Research training task force, 2023
- Supervisor for Grand Challenges Program Coordinator; Technical Training Specialist; Director of Postdoctoral Affairs
- Member, PREDICTS Steering Committee, 2023-
- Member, ORCID Working Group, 2022-
- Member, Open access and data sharing working group, 2022-2023
- Search Committee, Associate Vice President for Research, 2022
- Chair, Awards Committee: Faculty-Mentored Research Award (2022, 2023)
- Chair, Awards Committee: Globally-Engaged Research Award (2022, 2023)
- Chair, Awards Committee: Outstanding Research Staff Awards (2022, 2023)
- Chair, Awards Committee: Ovation Awards for Research & Scholarship (2022, 2023)
- Co-Host/Mentor, International Research & Exchanges Board University Administration Support Program (visiting research administrator from Nigeria)
- Reviewer, Level 1 Grand Challenges, 2022
- Panel facilitator, Level 2 Grand Challenges selection committee, 2023
- Streamlyne Electronic Administration System Implementation: Functional Lead, Preaward (2021-2022); Functional Champion (2022-2024)

UNM College of Arts & Sciences Dean's Funding Initiatives reviewer, 2024

UNM ADVANCE leadership team, 2022-

Awards Committee, Team Research Symposium Graduate Competition, 2022

Search Committee, Interdisciplinary Sciences Coordinator, 2021

Faculty Senate Research Policy committee: chair, 2020-2021; member, 2018-2021

Faculty Senate Research & Creative Works Council, 2020-2021

NCURA Policy Review Working Group member, 2020-2021

Institutional Animal Care and Use Committee, interim member, 2020

Electronic Research Administration Software Working Group member, 2020.

Faculty Senate Information Technology Use committee member, 2013-2018

Mentor, UNM Regents Scholar program, 2017-2018 (mentee TK King, now student UNM School of Medicine)

### ***University Service (Department)***

Anthropology Sabbatical Review Committee, 2022-

Mid-probationary review committee (Assistant Professor Ian Wallace), Anthropology, University of New Mexico, 2022-2023. Annual Review Committee 2020-2022.

Associate Chair, UNM Anthropology, 2019-2021

Salary and workload review committee, Anthropology, University of New Mexico, 2020-2022

IDEA (Inclusion, Diversity, Equity, and Antibias) steering committee, Anthropology, University of New Mexico, Chair 2020-2021, Member 2020-2023

Tenure and promotion committee (Assistant Professor Siobhan Mattison), Anthropology, University of New Mexico, 2019-2020

Faculty search committee in Evolutionary Anthropology, University of New Mexico, 2018-2019

Faculty search committee in Archaeology, University of New Mexico, 2017-2018

Faculty search committee in Evolutionary Anthropology, University of New Mexico, 2014-2015

Anthropology exhibits committee, University of New Mexico, 2016 – 2018

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

### ***Community Service***

Central New Mexico STEM Research Challenge. Judge Co-Chair, Elementary Division, March 24, 2023.

Southwest Junior Science & Humanities Symposium. Judge for Final Student presentation (selection of delegates to Nationals). March 4, 2023

Kasiisi Project. Volunteer as web design/support for non-profit that aids Ugandan schools, 2020-2022.

Contributor, Primate Learning in Action (<https://sites.lsa.umich.edu/primateteaching/>), 2019-present

Public lecture. Adult Summer Reading Program. Loma Colorado Library, Rio Rancho, NM, June 2021

UNM liaison, Albuquerque Biopark Enrichment Committee, 2017-2020

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.

Naturalist/Study Guide, Harvard Alumni Association Travels 2019. Led trip to Tanzania.

Volunteer, Animal Humane of New Mexico, 2013-2016

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