

Educational History

Ph.D. (2002) University of Southern California, Los Angeles, Anthropology

B.A. *Summa Cum Laude* (1994) University of Southern California, Los Angeles, Anthropology

Dissertation: “Endocrine aspects of aggression and dominance in chimpanzees of the Kibale forest”

Co-Advisors: Craig Stanford and Richard Wrangham

Employment History

Professor (2021-) University of New Mexico, Albuquerque, Anthropology

Associate Professor (2011-2021) University of New Mexico, Albuquerque, Anthropology

Assistant Professor (2007-2011) University of New Mexico, Albuquerque, Anthropology

Assistant Professor (2004-2007) Boston University, Anthropology

Postdoctoral Fellow (2004) Harvard University, Anthropology

Visiting Research Investigator (2003) University of Michigan, Ann Arbor, Anthropology

Postdoctoral Fellow (1999-2002) Harvard University, Anthropology

Professional Recognition and Honors

Dissertation Fellowship (1998) John Randolph Haynes Foundation, Los Angeles

All-University Pre-Doctoral Merit Fellowship (1994) University of Southern California, Los Angeles

Phi Beta Kappa (1994)

Dean’s Scholarship (1990) University of Southern California, Los Angeles

Short Narrative Description of Research, Teaching and Service Interests

My research focuses on the relationships among ecology, physiology and behavior. I use non-invasive monitoring techniques to investigate the physiological causes and consequences of social behavior in humans and non-human primates. Most of this research has been done with the Kanyawara chimpanzee community in Kibale National Park, Uganda, but I have also done field work with human foragers and pastoralists in Tanzania. I am particularly interested in what comparisons between chimpanzee and human behavior and physiology can tell us about human evolution. My recent work, supported by the NSF and NIH, has focused on chimpanzee development and aging, including patterns of mortality and fertility across the life course.

The primary goals of my undergraduate teaching are (1) to provide students with a solid background in the scientific method, including an understanding of how hypotheses are formulated, how data are collected and analyzed, and how predictions are ultimately supported or rejected, (2) to provide a foundation in evolutionary thought, including a concrete understanding of the fact that all phenotypic characteristics result from an interaction between genes and the environment, and (3) to provide students with an aesthetic appreciation for science, and particularly the field of human evolution. A major method applied to achieve these goals is to draw students in by making the course material relevant to their lives. I ask students to think about what kind of primate they are, and what made them that way.

My graduate teaching focuses on providing students a familiarity with contemporary problems in evolutionary anthropology through readings in the primary literature, and hands-on training in laboratory methods that will allow them to address some of these problems. I am committed to providing students with frequent opportunities to both present their research and comment on their peers' research in an informal public setting.

My current service priorities are to the department and the field of anthropology. This service has included membership on the main campus IACUC, the graduate committee, two search committees, and work as Evolutionary Anthropology convener and consultant for the Maxwell Museum. I serve on the editorial boards of *Human Nature* and the *American Journal of Physical Anthropology*. Since 2018 I have handled 74 manuscripts for the latter, selecting reviewers, evaluating their reviews, and providing my own independent reviews and recommendations to the editor. Since 2013 I have served as a member of the Leakey Foundation's Scientific Executive Committee, working with ~60 proposals per year over two grant cycles. Each cycle I read proposals, help to select outside reviewers, write detailed reviews of 12-15 proposals, and evaluate outside reviews. I then meet with other SEC members to rank proposals for funding, and attend board meetings in San Francisco to present recommended grants to trustees. I regularly review research articles, book manuscripts and grant proposals for journals, university presses, and funding agencies.

Scholarly Achievements

Books Edited or Co-edited

Muller MN, RW Wrangham & DR Pilbeam (editors). 2017. *Chimpanzees and Human Evolution*. Cambridge: Harvard University Press.

Muller MN & RW Wrangham (editors). 2009. *Sexual Coercion in Primates: An Evolutionary Perspective on Male Aggression Against Females*. Cambridge: Harvard University Press.

Articles Published in Refereed Journals

Fox S, **MN Muller**, N Thompson González, DK Enigk, ZP Machanda, E Otali, R Wrangham, M Emery Thompson. (2023) Weak ties support coalition formation among wild female chimpanzees. *Philosophical Transactions of the Royal Society, B*. 378: 1868.

Negrey JD, M Emery Thompson, C Dunn, E Otali, RW Wrangham, JC Mitani, ZP Machanda, **MN Muller**, KE Langergraber, TL Goldberg. (2022) Female reproduction and viral infection in a long-lived mammal. *Journal of Animal Ecology*.

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

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

Thompson González N, Z Machanda, E Otali, **MN Muller**, DK Enigk, R Wrangham, M Emery Thompson. (2021) Age-related change in adult chimpanzee social network integration. *Evolution, Medicine, and Public Health* 9: 448–459.

Enigk DK, M Emery Thompson, ZP Machanda, RW Wrangham & **MN Muller**. (2021) Female-directed aggression by adolescent male chimpanzees primarily constitutes dominance striving, not sexual coercion. *American Journal of Physical Anthropology*.

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, **MN 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, RM Wittig, RW Wrangham, K Zuberbühler, JW

Vaupel & SC Alberts. (2021) The long lives of primates and the ‘invariant rate of ageing’ hypothesis. *Nature Communications*. 12: 3666.

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

Sabbi KH, M Emery Thompson, ZP Machanda, E Otali, RW Wrangham & **MN Muller**. (2021) Early aggressive experience corresponds with sex differences in aggression among wild chimpanzees. *PNAS* 118: e2017144118.

Muller MN, DK Enigk, SA Fox, J Lucore, ZP Machanda, RW Wrangham & M Emery Thompson. (2021) Aggression, glucocorticoids, and the chronic costs of status competition in wild male chimpanzees. *Hormones and Behavior* 130: 104965.

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. (2021) Age patterning in the wild chimpanzee gut microbiota reveals differences from humans in early life. *Current Biology*. 31: 613-620.e3

Rosati AG, DK Enigk, L Hagberg, E Otali, M Emery Thompson, **MN Muller**, RW Wrangham & ZP Machanda. (2020) Social selectivity in aging wild chimpanzees. *Science*. 370: 473-476.

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

Thompson González NA, E Otali, ZP Machanda, **MN Muller**, RW Wrangham & M Emery Thompson. (2020) Urinary markers of oxidative stress respond to infection and late-life in wild chimpanzees. *PLOS One*. 15: e0238066.

Phillips S, TL Goldberg, **MN Muller**, ZP Machanda, E Otali, S Friant, J Carag, KE Langergraber, JC Mitani, EE Wroblewski, RW Wrangham & M Emery Thompson. (2020) Reproduction, aging, and parasitism in wild female chimpanzees. *Philosophical Transactions of the Royal Society, B*. 375: 20190614.

Negrey JD, M Emery Thompson, KE Langergraber, ZP Machanda, JC Mitani, **MN Muller**, E Otali, LA Owens, RW Wrangham & TL Goldberg. (2020) Demography, life history trade-offs,

and the gastrointestinal virome of wild chimpanzees. *Philosophical Transactions of the Royal Society, B*. 375: 20190613.

Emery Thompson M, ZP Machanda, SA Fox, KH Sabbi, E Otali, NA Thompson, **MN Muller** & RW Wrangham. (2020) Physical frailty in wild chimpanzees (*Pan troglodytes schweinfurthii*). *Philosophical Transactions of the Royal Society, B*. 375: 20190607.

Enigk DK, M Emery Thompson, ZP Machanda, RW Wrangham & **MN Muller**. (2020) Competitive ability determines coalition participation and partner selection during maturation in wild male chimpanzees (*Pan troglodytes schweinfurthii*). *Behavioral Ecology and Sociobiology*. 74: Article 89.

Emery Thompson M, SA Fox, A Berghänel, K Sabbi, S Phillips-Garcia, D Enigk, E Otali, ZP Machanda, RW Wrangham & **MN Muller**. (2020) Wild chimpanzees exhibit humanlike aging of glucocorticoid regulation. *PNAS*. 117: 8424-8430.

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. (2020) Sexual dimorphism in chimpanzee (*Pan troglodytes schweinfurthii*) and human age-specific fertility. *Journal of Human Evolution*. 144: 102795.

Sabbi KH, **MN Muller**, SA Fox, ZP Machanda, E Otali, RW Wrangham & M Emery Thompson. (2019) Human-like adrenal development in wild chimpanzees: A longitudinal study of cortisol and dehydroepiandrosterone-sulfate. *American Journal of Primatology*. e23064.

Alvarado LC, C Valeggia, PT Ellison, CL Lewarch & **MN Muller**. (2019) A comparison of men's life history, aging, and testosterone levels among Datoga pastoralists, Hadza foragers, and Qom transitional foragers. *Adaptive Human Behavior and Physiology*. 5: 251-273.

Surbeck M, C Boesch, M Emery Thompson, T Furuichi, B Fruth, G Hohmann, S Ishizuka, Z Machanda, **MN Muller**, A Pusey, T Sakamaki, N Tokuyama, K Walker, R Wrangham, E Wroblewski, K Zuberbühler, L Vigilant and K Langergraber. (2019) Males with a mother living in their group have higher paternity success in bonobos but not chimpanzees. *Current Biology*. 29: R341–R357.

Bibollet-Ruche F, RM Russell, W Liu, GBE Stewart-Jones, S Sherrill-Mix, Y Li, GH Learn, AG Smith, MVP Gondim, LJ Plenderleith, JM Decker, JL Easlick, KS Wetzell, RG Collman, S Ding, A Finzi, A Ayoub, M Peeters, FH Leendertz, J van Schijndel, A Goedmakers, E Ton, C Boesch, H Kuehl, M Arandjelovic, P Dieguez, M Murai, C Colin, K Koops, S Speede, MK Gonder, AV Georgiev, **MN Muller**, V Sommer, CM Sanz, DB Morgan, R Atencia, D Cox, AK Piel, FA Stewart, JBN Ndjongo, D Mjungu, EV Lonsdorf, AE Pusey, P Bertolani, JA Hart, TB Hart, PD Kwong, PM Sharp, GM Shaw and BH Hahn. (2019) CD4 receptor diversity in chimpanzees protects against SIV infection. *PNAS*. 116: 3229-3238.

Negrey JD, RB Reddy, EJ Scully, S Phillips-Garcia, L Owens, KE Langergraber, J Mitani, M Emery Thompson, RW Wrangham, **MN Muller**, E Otali, Z Machanda, D Hyeroba, KA Grindle,

TE Pappas, AC Palmenberg, JE Gern & TL Goldberg. (2019) Simultaneous outbreaks of respiratory disease in wild chimpanzees caused by distinct viruses of human origin. *Emerging Microbes and Infections*. 8: 139-149.

Emery Thompson M, ZP Machanda, EJ Scully, D Enigk, E Oтали, **MN Muller**, TL Goldberg, C Chapman, RW Wrangham. (2018) Risk factors for respiratory illness in a community of wild chimpanzees (*Pan troglodytes schweinfurthii*). *Royal Society Open Science*. 5: 180840.

Alvarado LC, **MN Muller**, MA Eaton, M Emery Thompson. (2018) Steroid hormone reactivity in fathers watching their children compete. *Human Nature*. 29: 268-282.

Sherrill-Mix S, K McCormick, A Lauder, A Bailey, L Zimmerman, Y Li, J-B Django, P Bertolani, C Colin, J Hart, T Hart, A Georgiev, C Sanz, D Morgan, R Atencia, D Cox, **M Muller**, V Sommer, A Piel, F Stewart, S Speede, J Roman, GD Wu, J Taylor, R Bohm, H Rose, J Carlson, D Mjunga, P Schmidt, C Gaughan, J Bushman, E Schmidt, K Bittinger, R Collman, B Hahn & F Bushman. (2018) Allometry and ecology of the bilaterian gut microbiome. *mBio* 9:e00319-18.

Scully EJ, S Basnet, RW Wrangham, **MN Muller**, E Oтали, D Hyeroba, KA Grindle, TE Pappas, M Emery Thompson, Z Machanda, KE Watters, AC Palmenberg, JE. Gern and TL Goldberg. (2018) Lethal respiratory epidemic in wild chimpanzees associated with human rhinovirus C. *Emerging Infectious Diseases*. 24: 267-274.

Bray J, M Emery Thompson, **MN Muller**, RW Wrangham & ZP Machanda. (2018) The development of feeding behavior in wild chimpanzees (*Pan troglodytes schweinfurthii*). *American Journal of Physical Anthropology*. 165: 34-46.

Muller MN. (2017) Testosterone and reproductive effort in male primates. *Hormones and Behavior*. 91: 36-51.

Gilby IC, ZP Machanda, RC O'Malley, CM Murray, EV Lonsdorf, K Walker, DC Mjunga, E Oтали, **MN Muller**, M Emery Thompson, AE Pusey & RW Wrangham. (2017) Predation by female chimpanzees: toward an understanding of sex differences in meat acquisition in the last common ancestor of *Pan* and *Homo*. *Journal of Human Evolution*. 110: 82-94.

Wrangham RW, S Worthington, AB Bernard, K Koops, ZP Machanda, **MN Muller**. (2017) Response to: Chimpanzee culture extends beyond matrilineal family units. *Current Biology*. 27: R590-R591.

Wrangham RW, K Koops, ZP Machanda, S Worthington, AB Bernard, NF Brazeau, R Donovan, J Rosen, C Wilke, E Oтали, **MN Muller**. (2016) Distribution of a chimpanzee social custom is explained by matrilineal relationship rather than conformity. *Current Biology*. 22: 3033-3037.

Moeller AH, A Caro-Quintero, D Mjungu, A Georgiev, EV Lonsdorf, **MN Muller**, AE Pusey, M Peeters, BH Hahn & H Ochman. (2016) Cospeciation of gut microbiota with hominids. *Science*. 353: 380-382.

Emery Thompson M, **MN Muller**, K Sabbi, ZP Machanda, E Oтали & RW Wrangham. (2016) Faster reproductive rates trade off against offspring growth in wild chimpanzees. *PNAS*. 113: 7780-7785.

Ahuka-Mundeke S, O Lunguya-Metila, V Mbenzo-Abokome, C Butel, B-I Inogwabini, V Omasombo, J-J Muyembe-Tamfum, E Delaporte, AV Georgiev, **MN Muller**, J-BN Ndjango, Y Li, BH Hahn, M Peeters, A Ayoub. (2016) Genetic diversity of STLV-2 and interspecies transmission of STLV-3 in wild-living bonobos. *Virus Evolution*. 2: vew011.

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

Emery Thompson M & **MN Muller**. (2016) Comparative perspectives on human reproductive behavior. *Current Opinion in Psychology*. 7: 61-66.

Gilby IC, ZP Machanda, DC Mjungu, J Rosen, **MN Muller**, AE Pusey, RW Wrangham. (2015) Impact hunters catalyze cooperative hunting in two wild chimpanzee communities. *Philosophical Transactions of the Royal Society B*. 370: 20150005.

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

Alvarado LC, **MN Muller**, M Emery Thompson, M Klimek, I Nenko & G Jasienska. (2015) The Paternal Provisioning Hypothesis: Effects of workload and testosterone production on men's musculature. *American Journal of Physical Anthropology*. 158: 19-35.

Liu W, Y Li, KS Shaw, GH Learn, L Plenderleith, JA Malenke, SA Sundararaman, MA Ramirez, PA Crystal, AG Smith, F Bibollet-Ruche, A Ayoub, S Locatelli, A Esteban, F Mouacha, E Guichet, C Butel, S Ahuka-Mundeke, B-I Inogwabini, J-BN Ndjango, S Speed, CM Sanz, DB Morgan, MK Gonder, PJ Kranzusch, PD Walsh, AV Georgiev, **MN Muller**, AK Piel, FA Stewart, ML Wilson, AE Pusey, L Cui, Z WanG, A Färnert, CJ Sutherland, D Nolder, JA Hart, TB Hart, P Bertolani, A Gillis, M LeBreton, B Tafon, J Kiyang, CF Djoko, BS Schneider, ND Wolfe, E Mpoudi-Ngole, E Delaporte, R Carter, RL Culleton, GM Shaw, JC Rayner, M Peeters, BH Hahn & PM Sharp. (2014) African origin of the malaria parasite *Plasmodium vivax*. *Nature Communications*. 5: 3346

Emery Thompson M, **MN Muller** & RW Wrangham. (2014) Male chimpanzees compromise the foraging success of their mates in Kibale National Park, Uganda. *Behavioral Ecology and Sociobiology*. 68: 1973-1983.

Wilson ML, C Boesch, T Furuichi, IC Gilby, C Hashimoto, CL Hobaiter, G Hohmann, N Itoh, K Koops, JN Lloyd, T Matsuzawa, JC Mitani, DC Mjungu, D Morgan, R Mundry, **MN Muller**, M Nakamura, J Pruetz, AE Pusey, J Riedel, C Sanz, AM Schel, N Simmons, M Waller, DP Watts, F White, R Wittig, K Zuberbühler & RW Wrangham. (2014) Lethal aggression in *Pan* is best explained by adaptive strategies, rather than human impacts. *Nature*. 513: 414-417.

Georgiev AV, AF Russell, E Otali, M Emery Thompson, **MN Muller** & RW Wrangham. (2014) The foraging costs of male mating effort in chimpanzees (*Pan troglodytes schweinfurthii*). *International Journal of Primatology*. 35: 725-745.

Muller MN & RW Wrangham. (2014) Mortality rates in Kanyawara chimpanzees. *Journal of Human Evolution*. 66: 107-114.

Smith TM, Z Machanda, AB Bernard, RM Donovan, AM Papakyrikos, **MN Muller** & RW Wrangham. (2013) First molar eruption, weaning, and life history in living wild chimpanzees. *PNAS*. 110: 2787-2791.

Emery Thompson M, **MN Muller** & RW Wrangham. (2012) Technical note: Variation in muscle mass in wild chimpanzees: Application of a modified urinary creatinine method. *American Journal of Physical Anthropology*. 149: 622-627.

Li Y, J-B Ndjango, GH Learn, M Ramirez, BF Keele, F Bibollet-Ruche, W Liu, JL Easlick, JM Decker, RS Rudicell, B-I Inogwabini, S Ahuka-Mundeke, FH Leendertz, V Reynolds, **MN Muller**, RL Chancellor, AS Rundus, N Simmons, M Worobey, GM Shaw, M Peeters, PM Sharp & BH Hahn. (2012) Eastern chimpanzees, but not bonobos, represent a simian immunodeficiency virus reservoir. *Journal of Virology*. 86: 10776-10791.

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Emery Thompson M, **MN Muller** & RW Wrangham. (2012) The energetics of lactation and the return to fecundity in wild chimpanzees. *Behavioral Ecology* 23: 1234-1241.

Gruber T, **MN Muller**, V Reynolds, R Wrangham & K Zuberbühler. (2011) Community-specific evaluation of tool affordances in wild chimpanzees. *Scientific Reports* 1, 128.

Muller MN, M Emery Thompson, S Kahlenberg & RW Wrangham. (2011) Sexual coercion by male chimpanzees shows that female choice may be more apparent than real. *Behavioral Ecology and Sociobiology*. 65: 921-933.

Carlson KJ, RW Wrangham, **MN Muller**, DR Sumner, ME Morbeck, T Nishida, A Yamanaka & C Boesch. (2010) Comparisons of limb structural properties in free-ranging chimpanzees from Kibale, Gombe, Mahale and Tai communities. In K D'Août & EE Vereecke (editors). *Primate Locomotion: Linking Field and Laboratory Research*. New York: Springer.

Liu W, Y Li, GH Learn, RS Rudicell, JD Robertson, JBN Ndjango, CM Sanz, DB Morgan, S Locatelli, MK Gonder, PJ Kranzusch, PD Walsh, E Delaporte, E Mpoudi-Ngolle, AV Georgiev, **MN Muller**, GM Shaw, M Peeters, PM Sharp, JC Rayner & BH Hahn. (2010) Origin of the human malaria parasite *Plasmodium falciparum* in gorillas. *Nature*. 467: 420-425.

Emery Thompson M, **MN Muller**, S Kahlenberg & RW Wrangham. (2010) Dynamics of social and energetic stress in wild female chimpanzees. *Hormones and Behavior*. 58: 440-449.

Linlin L, A Kapoor, B Slikas, OB Soji, C Wang, S Shaukat, MM Alam, M Wilson, J-B Ndjango, M Peeters, N Gross-Camp, **MN Muller**, BH Hahn, N Wolfe, H Triki, J Bartkus, SZ Zaidi & E Delwart. (2010) Highly diverse circoviruses are prevalent in human and chimpanzee stool and infect multiple farm animal species. *Journal of Virology*. 84: 1674-1682.

Gruber T, **MN Muller**, P Strimling, RW Wrangham, K Zuberbühler. (2009) Wild chimpanzees rely on cultural knowledge to solve an experimental honey acquisition task. *Current Biology*. 19: 1-5.

Kuzawa CW, L Gettler, **MN Muller**, TW McDade & AB Feranil. (2009) Fatherhood, pairbonding and testosterone in the Philippines. *Hormones and Behavior*. 56: 429-435.

Muller MN, F Marlowe, R Bugumba & PT Ellison. (2009) Testosterone and paternal care in East African foragers and pastoralists. *Proceedings of the Royal Society B: Biological Sciences*. 276: 347-354.

Emery Thompson M, **MN Muller**, RW Wrangham, JS Lwanga & KB Potts. (2009) Urinary C-peptide tracks seasonal and individual variation in energy balance in wild chimpanzees. *Hormones and Behavior*. 55: 299-305.

Stumpf R, M Emery Thompson, **MN Muller** & RW Wrangham. (2009) The context of female dispersal in wild chimpanzees. *Behaviour*. 146: 629-656.

Kahlenberg S, M Emery Thompson, **MN Muller** & RW Wrangham. (2008) Immigration costs for female chimpanzees and male protection as an immigrant counterstrategy to intrasexual aggression. *Animal Behaviour*. 76: 1497-1509.

- Emery Thompson M, G Gobbo, ML Wilson, **MN Muller** & AE Pusey. (2008) Hyperprogesteronemia in response to *Vitex fischeri* consumption in wild chimpanzees (*Pan troglodytes schweinfurthii*). *American Journal of Primatology*. 70: 1064-1071.
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- Watts DP, **MN Muller**, SJ Amsler, G Mbabazi & JC Mitani. (2006) Lethal intergroup aggression by chimpanzees in the Kibale National Park, Uganda. *American Journal of Primatology*. 68: 161-180.
- Wrangham RW, ML Wilson & **MN Muller**. (2006) Comparative rates of violence in chimpanzees and humans. *Primates*. 47: 14-26.
- Muller MN** & JC Mitani. (2005) Conflict and cooperation in wild chimpanzees. *Advances in the Study of Behavior*. 35: 275-331.
- Muller MN** & RW Wrangham. (2005) Testosterone and energetics in wild chimpanzees. *American Journal of Primatology*. 66: 119-130.
- Muller MN** & RW Wrangham. (2004) Dominance, cortisol and stress in wild chimpanzees (*Pan troglodytes schweinfurthii*). *Behavioral Ecology and Sociobiology*. 55: 332-340.
- Muller MN** & RW Wrangham. (2004) Dominance, testosterone and aggression in wild chimpanzees: A test of the challenge hypothesis. *Animal Behaviour*. 67: 113-123.
- Santiago ML, F Bibollet-Ruche, E Bailes, S Kamenya, **MN Muller**, M Lukasik, AE Pusey, DA Collins, RW Wrangham, J Goodall, GM Shaw, PM Sharp & BH Hahn. (2003) Amplification of a complete simian immunodeficiency virus genome from fecal RNA of a wild chimpanzee. *Journal of Virology*. 77: 2233-2242.
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- Santiago ML, M Lukasik, S Kamenya, Y Li, F Bibollet-Ruche, E Bailes, **MN Muller**, M Emery, DA Goldenberg, JS Lwanga, A Ayoub, E Nerrienet, HM McClure, JL Heeney, DP Watts, AE Pusey, DA Collins, RW Wrangham, J Goodall, JFY Brookfield, PM Sharp, GM Shaw & BH Hahn. (2003) Foci of endemic simian immunodeficiency virus infection in wild-living eastern chimpanzees (*Pan troglodytes schweinfurthii*). *Journal of Virology*. 77: 7545-7562.
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Muller MN, E Mpongo, CB Stanford & C Boehm. (1995) A note on scavenging by wild chimpanzees. *Folia Primatologica*. 65: 43-47.

Articles Appearing in Chapters in Edited Volumes

Muller MN. (2017) Introduction: Chimpanzees and human evolution. In MN Muller, RW Wrangham & DR Pilbeam (editors). *Chimpanzees and Human Evolution*. Cambridge: Harvard University Press. pp. 3-21.

Muller MN. (2017) Introduction: Chimpanzees and human uniqueness. In MN Muller, RW Wrangham & DR Pilbeam (editors). *Chimpanzees and Human Evolution*. Cambridge: Harvard University Press. pp. 177-180.

Muller MN. (2017) Sexual coercion in chimpanzees and humans. In MN Muller, RW Wrangham & DR Pilbeam (editors). *Chimpanzees and Human Evolution*. Cambridge: Harvard University Press. pp. 572-601.

Muller MN & DR Pilbeam. (2017) Evolution of the human mating system. In MN Muller, RW Wrangham & DR Pilbeam (editors). *Chimpanzees and Human Evolution*. Cambridge: Harvard University Press. pp. 383-426.

Muller MN & M Emery Thompson. (2012) Mating, parenting and male reproductive strategies. In JC Mitani, J Call, PM Kappeler, RA Palombit & JB Silk (editors). *Evolution of Primate Societies*. Chicago: University of Chicago Press. pp. 387-411.

Muller MN, S Kahlenberg & RW Wrangham. (2009) Male aggression and sexual coercion of females in primates. In MN Muller & RW Wrangham (editors). *Sexual Coercion in Primates: An Evolutionary Perspective on Male Aggression Against Females*. Cambridge: Harvard University Press. pp. 3-22.

Muller MN, S Kahlenberg & RW Wrangham. Male aggression against females in chimpanzees. In MN Muller & RW Wrangham (editors). (2009) *Sexual Coercion in Primates: An Evolutionary Perspective on Male Aggression Against Females*. Cambridge: Harvard University Press. pp. 184-217.

Wrangham RW & **MN Muller**. (2009) Sexual coercion in humans and other primates: the road ahead. In MN Muller & RW Wrangham (editors). *Sexual Coercion in Primates: An Evolutionary Perspective on Male Aggression Against Females*. Cambridge: Harvard University Press. pp. 451-468.

Muller MN. (2002) Agonistic relations among Kanyawara chimpanzees. In C Boesch, G Hohmann and L Marchant (eds.) *Behavioral Diversity in Chimpanzees and Bonobos*. Cambridge: Cambridge University Press. pp. 112-124.

Muller MN & RW Wrangham. (2001) The reproductive ecology of male hominoids. In PT Ellison (ed.) *Reproductive Ecology and Human Evolution*. New York: Aldine. pp. 397-427.

Other Scholarly Works

Invited commentary:

Muller MN. (2007) Chimpanzee violence: femmes fatales. *Current Biology*. 17: 365-366.

Book reviews:

Muller MN. (2015) Review of *Galileo's Middle Finger: Heretics, Activists, and the Search for Justice in Science*, by A. Dreger. (Penguin Press, 2015) *Human Nature*. 26: 346-350.

Muller MN. (2010) Review of *Sexual Selection and the Origin of Human Mating Systems*, by A. Dixson. (Oxford University Press, 2009) *Journal of Anthropological Research*. 66: 532-534.

Muller MN. (2010) Review of *The Real Chimpanzee: Sex Strategies in the Forest*, by C. Boesch. (Cambridge University Press, 2009) *International Journal of Primatology*. 32: 524-529.

Muller MN. (2007) Review of *Man the Hunted: Primates, Predators, and Human Evolution*, by D Hart & RW Sussman. (Westview Press, 2005) *American Journal of Physical Anthropology*. 132: 484-486.

Muller MN. (2006) Review of *Sexual Selection in Primates*. P Kappeler & C van Schaik, editors. (Cambridge University Press, 2004). *American Journal of Physical Anthropology*. 130: 279-281.

Muller MN. (2002) Review of *What it Means to be 98% Chimpanzee*, by J Marks (UC Berkeley Press, 2002). *Quarterly Review of Biology*. 77: 454-455.

Magazine articles:

Muller MN. (2000) The knuckle-walking wounded. *Natural History*. 109(8): 44-48.

Works in Progress

In press

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 (2024) Ecological variation in adult social play reveals a hidden cost of motherhood for wild chimpanzees. *Current Biology*.

In review

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

In preparation

Mine JG, LC Dees, C Wilke, EP Willems, Z Machanda, **MN Muller**, M Emery Thompson, RW Wrangham, EJ Scully, K Langergraber, S Stoll, KE Slocombe & SW Townsend. Like mother, like chimp: The maternal influence on multi-modal communication in chimpanzees.

Fox S, **MN Muller**, NC Peña, N Thompson González, Z Machanda, E Otali, R Wrangham, M Emery Thompson. Selective social tolerance drives differentiated relationships among wild female chimpanzees.

Invited or Refereed Abstracts and Presentations at Professional Meetings

(Primary author/presenter only)

“The Kibale Chimpanzee Project at 32.” Symposium: 40 Years of Research at the Tai Chimpanzee Project. Max Planck Institute for Evolutionary Anthropology: Leipzig, Germany. (May 2019)

“Aggression, coalition formation, and aging in wild chimpanzees.” American Association of Physical Anthropologists, Annual Meeting. Cleveland. (Abstract: *Am J Phys Anth*) (April 2019)

“Male mating competition and sexual dimorphism in the duration of effective breeding in wild chimpanzees.” American Association of Physical Anthropologists, Annual Meeting. Austin. (Abstract: *Am J Phys Anth* S66: 184) (April 2018)

“Testosterone, chimpanzees, and the evolution of the human mating system.” Institute Seminar Series. Max Planck Institute for Evolutionary Anthropology: Leipzig, Germany. (October 2016)

“Age specific fertility rates in male chimpanzees (*Pan troglodytes*).” International Primatological Society/American Society of Primatologists, Joint Meeting. Chicago. (August 2016)

“Testosterone, musculature, and development in Kanyawara chimpanzees and Tsimane forager-horticulturalists.” American Association of Physical Anthropologists, Annual Meeting. Atlanta. (Abstract: *Am J Phys Anth* S62: 236) (April 2016)

“Male sexual coercion and female mating preferences in wild chimpanzees.” American Association of Physical Anthropologists, Annual Meeting. Calgary. (Abstract: *Am J Phys Anth* S58: 191) (April 2014)

“Intergroup aggression and within-group cohesion in wild chimpanzees.” American Association of Physical Anthropologists, Annual Meeting. Knoxville, TN. (Abstract: *Am J Phys Anth* S 56:202-203) (April 2013)

“Male sexual coercion and female choice in wild chimpanzees.” Arizona State University. School of Human Evolution and Social Change. (February 2013)

“Behavioral ecology and socioendocrinology of reproduction in male chimpanzees.” University of California, Los Angeles. Center for Behavior, Evolution and Culture. (April 2012)

“Testosterone, development and aging in wild chimpanzees.” American Association of Physical Anthropologists, Annual Meeting. Portland, Oregon. (Abstract: *Am J Phys Anth* S 54:220) (April 2012)

“‘Redefining man’: How chimpanzees have shaped our view of human nature.” Ancestors Lecture. University of New Mexico. Maxwell Museum of Anthropology. (January 2012)

“Male coercion and female choice in wild chimpanzees.” Comparative Behavioral Biology Workshop. University of Chicago. Department of Comparative Human Development. (November 2010)

“Male sexual coercion and female choice in wild chimpanzees.” Department of Anthropology Colloquium Series. University of Nevada Las Vegas. (October 2010)

“Male sexual coercion and female choice in wild chimpanzees.” Southern California Primate Research Forum. CSU Fullerton. (April 2010)

“Reproduction and resistance to stress in wild chimpanzees.” American Association of Physical Anthropologists, Annual Meeting. Albuquerque, New Mexico. (Abstract: *Am J Phys Anth* S 50:174) (April 2010)

“Male coercion and female choice in wild chimpanzees.” American Association of Physical Anthropologists, Annual Meeting. Chicago, Illinois. (Abstract: *Am J Phys Anth* S 48:196) (April 2009)

“Chimpanzees as models for the last common ancestor of apes and humans” Program in Interdisciplinary Biological and Biomedical Sciences: Symposium on the Legacy of Charles Darwin. University of New Mexico. (February 2009)

“Stress in the wild.” European Primate Network seminar on “Stress and its Implications for Primate Welfare.” German Primate Center: Göttingen, Germany. (October 2008)

“Male coercion and female choice in wild chimpanzees.” Ecology and Evolution Seminar Series. University of California, Davis. (May 2008)

“Sexual coercion among wild chimpanzees.” Department of Psychology Colloquium Series. University of New Mexico. (March 2008)

“Fatherhood and testosterone in Hadza hunter-gatherers and neighboring Datoga pastoralists.” Human Behavior and Evolution Society, Annual Meeting. Williamsburg, Virginia. (June 2007)

“The reproductive ecology of male chimpanzees.” University of New Mexico, Department of Anthropology. (March 2007)

“Male mate choice and sexual coercion in wild chimpanzees.” University of Michigan, Department of Anthropology. (October 2006)

“Male aggression against females and stress in wild chimpanzees.” International Primatological Society, Annual Meeting. Entebbe, Uganda. (June 2006)

“Male aggression towards females: variation with social system.” Conference Symposium organized by MN Muller & RW Wrangham. International Primatological Society, Annual Meeting. Entebbe, Uganda. (June 2006)

“Ecology and endocrinology of aggression in wild chimpanzees.” University of Southern California. Department of Anthropology. (February 2006)

“Male aggression against females and stress in wild chimpanzees.” Hunter College, CUNY. Department of Anthropology. (November 2005)

“Ecology and endocrinology of aggression in wild chimpanzees.” University of Texas, Austin. Department of Anthropology. (February 2005)

“Dominance, cortisol and stress in wild chimpanzees.” American Association of Physical Anthropologists, Annual Meeting. Tampa, Florida. (Abstract: *Am J Phys Anth S* 38:151) (April 2004)

“The reproductive ecology of wild chimpanzees.” Howard Hughes Medical Institute. University of Alabama, Birmingham. (November 2003)

“Testosterone and reproductive aggression in wild chimpanzees.” American Association of Physical Anthropologists, Annual Meeting. Buffalo, New York. (Abstract: *Am J Phys Anth S* 34:116-117) (April 2002)

“Testosterone, dominance and aggression in wild chimpanzees.” Symposium on Behavioural Diversity in Chimpanzees and Bonobos. Max Planck Institute for Evolutionary Anthropology. (June 2000)

“The reproductive ecology of male chimpanzees.” Southern California Primate Research Forum. Pasadena City College. “The reproductive ecology of male chimpanzees.” (April 2000)

Research Funding

Novel frameworks for explaining unequal access to the health benefits of social ties: A longitudinal analysis in wild chimpanzees.

National Institutes of Aging

PI: M Emery Thompson; MN Muller: co-Investigator

2022-2027 (\$2,628,709)

Cumulative life course effects on aging and health

National Institutes of Aging

PI: M Emery Thompson; MN Muller: co-Investigator

2022-2027 (\$3,112,788)

The evolutionary origins of leadership in chimpanzees: from individual minds to collective action.

A Rosati, Z Machanda, M Emery Thompson & MN Muller

National Science Foundation

2019-2022 (\$903,497)

Biodemography of aging in wild chimpanzees.

National Institutes of Aging

PI: M Emery Thompson; MN Muller: co-Investigator

2015-2020 (\$2,942,881)

Developmental integration and the ecology of life histories in phylogenetic perspective.

MN Muller, SV Nelson, M Emery Thompson & RW Wrangham

National Science Foundation

2014-2017 (\$221,004)

Coalitions and alliances in wild chimpanzees.

MN Muller & RW Wrangham

The Leakey Foundation

2012 (\$22,000)

Stress and the costs of reproduction in wild female chimpanzees.

M Emery Thompson, MN Muller & RW Wrangham
L.S.B. Leakey Foundation
2010 (\$21,700)

Stress, energetics and the costs of reproduction in wild chimpanzees.
MN Muller, M Emery Thompson & RW Wrangham
National Science Foundation
2009-2011 (\$150,000)

Ecology and endocrinology of aggression in chimpanzees.
RW Wrangham, MN Muller & I Gilby
National Science Foundation (Long Term Research in Environmental Biology program)
2004-2009 (\$298,821)

Molecular epidemiology and natural history of SIVcpz.
B Hahn (PI), MN Muller (Contract PI)
National Institutes of Health
2004-2008 (My subcontract: \$333,931)

Testosterone and paternal care in Hadza foragers, northern Tanzania.
MN Muller & PT Ellison
L.S.B. Leakey Foundation
2002 (\$7,440)

Testosterone and paternal care in Hadza foragers, northern Tanzania.
MN Muller
Arthur Green Fund, Harvard University
2002 (\$3,500)

Endocrine aspects of aggression and dominance in chimpanzees.
RW Wrangham, MN Muller & PT Ellison
National Science Foundation
1998 (\$212,982)

Testosterone, aggression and dominance in wild chimpanzees.
MN Muller & CB Stanford
National Science Foundation (dissertation improvement grant)
1997 (\$10,000)

Endocrine aspects of aggression and dominance in chimpanzees of the Kibale Forest, Uganda.
MN Muller
L.S.B. Leakey Foundation
1997 (\$5,985)

Teaching

Doctoral Advisement

Eleanor Matthews, In progress

John Lower, In progress

Drew Enigk, PhD 2021, “Behavioral strategies of social relationship formation and competition among adolescent and adult male chimpanzees at Kanyawara, Kibale National Park, Uganda”

Kris Sabbi, PhD 2019, “The ontogeny of sex-typed social strategies among east African chimpanzees (*Pan troglodytes schweinfurthii*)”

Louis Alvarado, PhD 2015, “Men’s life history, testosterone and health”

Doctoral Committee Member:

Sonya Kahlenberg, PhD 2006, (Harvard University, Anthropology)

Alexander Georgiev, PhD 2012 (Harvard University, Human Evolutionary Biology)

Annie Caldwell, PhD 2012 (University of New Mexico, Psychology)

Jessica Hartel, PhD 2015 (University of Southern California, Biology)

Marian Hamilton, PhD 2018 (University of New Mexico, Anthropology)

Daniel Cummings, PhD 2020 (University of New Mexico, Anthropology)

Edmond Seabright, PhD 2021 (University of New Mexico, Anthropology)

Sarah Renee Phillips, PhD 2022 (University of New Mexico, Anthropology)

Stephanie Fox, PhD 2023 (University of New Mexico, Anthropology)

Megan Cole, In progress (University of New Mexico, Anthropology)

Ellen Dyer, In progress (University of New Mexico, Anthropology)

Masters Advisement

Jennifer Cabotage, 2010 (University of New Mexico, Anthropology)

Natasha Tworoski, 2011 (University of New Mexico, Anthropology)

Jack Grady, 2020 (University of New Mexico, Anthropology)

Classroom Teaching (Excluding independent study, dissertation hours, etc.)

University of New Mexico, Department of Anthropology

2022 (fall)	<i>Evolution & Human Emergence</i> (ANTH 1135 001)	69 students
2022 (fall)	<i>Evolution & Human Emergence</i> (ANTH 1135 005)	59 students
2023 (summer)	<i>Human Behavioral Ecology</i> (ANTH 360 001)	13 students
2023 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	35 students
2022 (fall)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	48 students

2022 (fall)	<i>Evolution & Human Emergence</i> (ANTH 1135 005)	63 students
2022 (fall)	<i>Evolution & Human Emergence</i> (ANTH 1135 001)	51 students
2022 (spring)	<i>Evolution & Human Emergence</i> (ANTH 1135 001)	26 students
2022 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	43 students
2021 (fall)	<i>Evolution & Human Emergence</i> (ANTH 1135 001)	55 students
2021 (fall)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	33 students
2021 (spring)	<i>Evolution of Primate Behavior</i> (ANTH 645)	4 students
2021 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 001)	29 students
2020 (fall)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	37 students
2020 (fall)	<i>Evolution & Human Emergence</i> (ANTH 1135 007)	18 students
2020 (spring)	<i>Evolution & Human Emergence</i> (ANTH 1135 002)	5 students
2019 (fall)	<i>Evolution & Human Emergence</i> (ANTH 1175 003)	19 students
2019 (fall)	<i>Evolution & Human Emergence</i> (ANTH 1175 007)	27 students
2019 (fall)	<i>Human Behavioral Ecology</i> (ANTH 360 001)	19 students
2019 (fall)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	36 students
2019 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 001)	54 students
2018 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150 007)	52 students
2018 (fall)	<i>Chimpanzees and Human Evolution</i> (ANTH 550 002)	6 students
2018 (summer)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	18 students
2018 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 001)	57 students
2018 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	13 students
2017 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150 007)	63 students
2017 (summer)	<i>Evolution & Human Emergence</i> (ANTH 360 002)	24 students
2017 (spring)	<i>Evolution & Human Emergence</i> (ANTH 360 001)	65 students
2016 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150 007)	68 students
2016 (summer)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	24 students
2016 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 001)	72 students
2015 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150 007)	39 students
2015 (summer)	<i>Evolution & Human Emergence</i> (ANTH 150 007)	15 students
2015 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	25 students
2014 (fall)	<i>Chimpanzees and Human Evolution</i> (ANTH 550 006)	10 students
2014 (summer)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	25 students
2014 (summer)	<i>Evolution & Human Emergence</i> (ANTH 150 007)	13 students
2014 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 001)	72 students
2013 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150 004)	67 students
2013 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150 005)	74 students
2013 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 001)	41 students
2013 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	35 students
2012 (fall)	<i>Human Behavioral Ecology</i> (ANTH 360 005)	68 students
2012 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150 001)	116 students
2012 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150 005)	94 students
2012 (summer)	<i>Human Behavioral Ecology</i> (ANTH 150)	23 students
2012 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 001)	70 students
2012 (spring)	<i>Human Behavioral Ecology</i> (ANTH 360 002)	58 students
2011 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150 001)	117 students
2011 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150 005)	92 students

2011 (summer)	<i>Evolution & Human Emergence</i> (ANTH 150)	34 students
2011 (spring)	<i>Great Apes: Mind & Behavior</i> (ANTH 362)	76 students
2011 (spring)	<i>Great Apes: Mind & Behavior</i> (ANTH 662)	6 students
2011 (spring)	<i>Evolution & Human Emergence</i> (ANTH 150)	118 students
2010 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150)	120 students
2010 (fall)	<i>Behavioral Endocrinology Lab</i> (ANTH 550)	10 students
2010 (spring)	<i>Evolution & Human Emergence</i> (ANTH 150)	111 students
2010 (spring)	<i>Human Biology</i> (ANTH 350)	97 students
2009 (fall)	<i>Evolution & Human Emergence</i> (ANTH 150)	117 students
2009 (fall)	<i>Human Reproductive Ecology</i> (ANTH 561)	8 students
2009 (spring)	<i>Human Biology</i> (ANTH 350)	76 students
2009 (spring)	<i>Great Apes: Mind & Behavior</i> (ANTH 362)	74 students
2008 (fall)	<i>Evolution and Human Emergence</i> (ANTH 150)	115 students
2008 (fall)	<i>Behavioral Endocrinology Lab</i> (ANTH 550)	12 students
2008 (spring)	<i>Evolution and Human Emergence</i> (ANTH 150)	111 students
2007 (fall)	<i>Human Biology</i> (ANTH 350)	54 students
2007 (fall)	<i>Evolution and Human Emergence</i> (ANTH 150)	93 students

Boston University, Department of Anthropology:

Introduction to Biological Anthropology (spring 2006)
Primate Behavior ("The Ape Within") (spring 2005)
Advanced Topics in Human Evolution (spring 2005, 2006)
Human Reproductive Ecology (fall 2006)
Behavioral Biology of Human Sex Differences (spring 2007)

Harvard University, Department of Anthropology:

Sophomore Tutorial in Biological Anthropology (2004)
Human Behavioral Biology (fall 2002) Head Teaching Fellow
Human Behavioral Biology (spring 1999, 2002) Assistant Head Teaching Fellow

Curriculum Development or Teaching Administrative Positions

Harvard University, Department of Anthropology: spring 2002
Employed to redesign curriculum for *Human Behavioral Biology*
(Core undergraduate course with 450+ enrollment)

Service

2010 – present	Consulting Editor, <i>Human Nature</i>
2018 – present	Editorial Board Member, <i>American Journal of Physical Anthropology</i> (66 manuscripts handled since April 2018)
2013 – present	Member, Scientific Executive Committee, The Leakey Foundation
2014 – present	Kibale Chimpanzee Project (KCP), 501(c)(3) public charity, Treasurer. Primary maintenance and content, website and social media (Facebook and Twitter)
2015	Southwestern Association of Biological Anthropologists. Program committee and local area coordinator for annual meeting in Albuquerque, NM.
2011	Human Behavior and Evolution Society. Program committee for annual meeting in Albuquerque, NM.
2010	Human Biology Association: Local-area coordinator for annual meetings in Albuquerque, NM

Reviewing

(Since 2004, Excluding work on editorial boards)

Science (2 manuscripts)
PNAS (2 manuscripts)
Current Biology (13 manuscripts)
Hormones and Behavior (10 manuscripts)
Evolutionary Anthropology (3 manuscripts)
Advances in the Study of Behavior (1 manuscript)
Psychological Science (1 manuscript)
Physiology and Behavior (1 manuscript)
Animal Behaviour (6 manuscripts)
Behavioral Ecology and Sociobiology (3 manuscripts)
American Journal of Primatology (6 manuscripts)
American Journal of Human Biology (2 manuscripts)
Human Nature (8 manuscripts)
Biology Letters (1 manuscript)
Behaviour (2 manuscripts)
Marine Mammal Science (1 manuscript)
International Journal of Primatology (4 manuscripts)
Proceedings: Biological Sciences (4 manuscripts)
Journal of Human Evolution (4 manuscripts)

Adaptive Human Behavior and Physiology (1 manuscript)
American Journal of Physical Anthropology (3 manuscripts)
Current Directions in Psychological Science (2 manuscripts)

Oxford University Press (1 book proposal)
Cambridge University Press (1 textbook proposal)
University of Chicago Press (1 full book manuscript)
Harvard University Press (1 full book manuscript)
Cambridge University Press (1 full book manuscript)
Wiley Press (1 book chapter)
WW Norton (1 textbook)
WW Norton (1 textbook chapter)

National Science Foundation (3 grant proposals)
Bard College (1 grant proposal)
LSB Leakey Foundation (9 grant proposals)
MacArthur Foundation (1 candidate for “Genius” award)

Promotion review for external faculty (1 Full Professor)

Departmental and University Administrative Work

2018-present	Scientific Member, Main Campus Institutional Animal Care and Use Committee (IACUC)
2023-present	Anthropology graduate student committee
2022 (fall)	Convener, Evolutionary Anthropology
2022-2023	Anthropology graduate student committee (50%, shared w/ Ian Wallace)
2008-2022	Anthropology graduate student committee (Chair for 3 years)
2018 (fall)	Chair, Evolutionary Anthropology Search Committee
2009 (spring)	Coordinator, Evolutionary Anthropology brown bag
2008-2009	Maxwell Museum: Consultant for “Ancestors” exhibit
2008 (fall)	R. Brulotte position, Interview committee
2008 (fall)	Coordinator, Evolutionary Anthropology weekly brown bag
2007 (fall)	Member, Evolutionary Anthropology Search Committee
2004-2007	Member, Anthropology Undergraduate Committee (Boston University)
2007	Member, Academic Conduct Committee (Boston University)
2007 (spring)	Member, Biological Anthropology Search Committee (Boston University)

UNM annual review or promotion and tenure committees:

M Emery Thompson (Service)
E Jones (Teaching) (Associate and Full)
H Edgar (Mentor)
S Mattison (Chair)
I Wallace (Mentor)