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Research Interests: Conservation Biology, Disease Ecology, Primates, One Health, Tropical Ecology, Parasites, Behavioral Ecology, Planetary Health, Wildlife Diseases, Zoonoses

Academic Positions

- 2011 – Present Associate Professor, Department of Environmental Sciences, Emory University, Atlanta, Georgia.
- 2011 – Present Associate Professor, Department of Environmental Health, Rollins School of Public Health, Emory University, Atlanta, Georgia.
- 2008 – Present Core Faculty, Program in Population Biology, Ecology, and Evolutionary Biology, Emory University, Atlanta, Georgia.
- 2008 – Present Affiliated Faculty, Department of Anthropology, Emory University.
- 2016 – 2019 Director of Graduate Studies, Department of Environmental Sciences, Emory University.
- 2008 – 2011 Assistant Professor, Departments of Environmental Sciences and Environmental Health, Emory University, Atlanta, Georgia.
- 2005 – 2008 Assistant Professor, Division of Epidemiology, Department of Pathobiology, College of Veterinary Medicine, University of Illinois, Urbana-Champaign.
- 2005 – 2008 Assistant Professor, Department of Anthropology, University of Illinois.
- 2005 – 2008 Core Faculty, Program in Ecology & Evolutionary Biology, University of Illinois Urbana-Champaign.
- 2005 – 2008 Core Faculty, Center for African Studies, University of Illinois.

Education

- 2005 **Post-Doctoral Fellow**, Pathobiology (Concentration: Molecular Epidemiology), College of Veterinary Medicine, University of Illinois, Urbana-Champaign.
- 2004 **PhD**, Zoology (Concentration: Disease Ecology), University of Florida, Gainesville.
- 2000 **MSc**, Zoology (Concentration: Behavioral Ecology), University of Florida, Gainesville.
- 1996 **BSc**, Ecology, Ethology, and Evolution, University of Illinois, Urbana-Champaign.

Publications

[Metrics \(Google Scholar: updated 08/01/2020\)](#)

Citations: 7,634

h-index: 42

i10-index: 81

Citation ranking in research areas: Planetary Health: 2; Wildlife Conservation: 4; Wildlife Diseases: 4; Primates: 5; Parasites: 9; One Health: 21; Zoonoses: 22; Disease Ecology: 31; Tropical Ecology: 35

* Gillespie is corresponding author

Journal Articles

95) ***Gillespie, TR** and Leendertz FH. 2020. COVID-19: Protect great apes during human pandemic. *Nature*. 579:497.

94) *Deere JR, Parsons MB, Lonsdorf EV, Lipende I, Kamenya S, Collins DA, Travis DA, **Gillespie TR**. 2019. *Entamoeba histolytica* infection in humans, chimpanzees, and baboons in the Greater Gombe Ecosystem, Tanzania. *Parasitology*. 146:1116–1122.

93) *Barelli C, Gonzalez-Astudillo V, Mundry R, Rovero F, Hauffe HC, **Gillespie TR**. 2019. Altitude and human disturbance are associated with helminth diversity in an endangered primate, *Procolobus gordonorum*. *PLoS ONE*. 14: e0225142. Word Count: 7,731.

92) ***Gillespie TR**. 2019. Protecting wild primates during the novel corona virus pandemic and beyond. *Asian Primates Journal*. 8:1.

91) Wolf T, Wang W, Lonsdorf EV, **Gillespie TR**, Pusey A, Gilby I, Travis DA, Singer RS. 2019. Optimizing syndromic health surveillance in free ranging great apes: the case of Gombe National Park. *Journal of Applied Ecology*. 56:509-518. (Journal Cover). *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*

90) Greene LK, Clayton JB, Rothman RS, Semel BP, Semel MA, **Gillespie TR**, Wright PC, Drea CM. 2019. Local habitat, not phylogenetic relatedness, predicts gut microbiota better within folivorous than frugivorous lemur lineages. *Biology Letters*. 20190028. Word Count: 4,020. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*

89) Wolf T, Singer RS, Lonsdorf EV, Maclehorse R, **Gillespie TR**, Lipende I, Raphael J, Terio K, Murray C, Pusey A, Hahn BH, Kamenya S, Mjungu D, Travis DA. 2019. Syndromic surveillance of respiratory disease in free-living chimpanzees. *EcoHealth*. 16:275-286. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*

88) Berger KM, Wood J, Olsen J, Morse S, Gresham L, Root JJ, Rush M, Pigott D, Winkleman T, Moore M, **Gillespie TR**, Nuzzo J, Han BA, Olinger P, Karesh WB, Mills JN, Anelli JF, Barnabei J, Lucey D, Hayman DTS. 2019. Policy and science for global health security: shaping the course of international health. *Tropical Medicine and Infectious Disease*. 4(2), 60. Word Count: 8,638. *Gillespie played a role in conception and design of review and wrote sections of the manuscript.*

87) Murthy S, O'Brien K, Agbor A, Angedakin S, Arandjelovic M, ... **Gillespie TR**, ... Leendertz FH, Ehlers B, Calvignac-Spencer S. 2019. Cytomegalovirus distribution and evolution in hominines. *Virus Evolution*. 5(2): vez015. Word Count: 7,245. *Gillespie coordinated fieldwork at some sites for this study and assisted in manuscript preparation.*

86) Kopp A, Hübner A, Zirkel F, Hobelsberger D, Estrada A, Jordan I, **Gillespie TR**, Drosten C, Junglen S. 2019. Detection of Two Highly Diverse Peribunyaviruses in Mosquitoes from Palenque, Mexico. *Viruses*. 11:832. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*

85) *Travis DA, Lonsdorf EV, **Gillespie TR**. 2018. The grand challenge of great ape health and conservation in the Anthropocene. *American Journal of Primatology*. 80:e22717. (Journal Cover). Word Count: 3,757.

84) Faust C, McCallum HI, Bloomfield L, Gottdenker, **Gillespie TR**, Torney CJ, Dobson AP, Plowright R. 2018. Pathogen spillover during land conversion. *Ecology Letters*. 21:471-483. *Gillespie played a role in conception and design of this study and wrote sections of the manuscript.*

83) Altizer SM, Becker DJ, Epstein JH, Forbes KM, **Gillespie TR**, Hall RJ, Hawley D, Hernandez SM, Martin LB, Plowright RK, Satterfield DA, Streicker DG. 2018. Food for contagion: Synthesis and future directions for studying host–parasite responses to resource shifts in anthropogenic environments. *Philosophical Transactions of the Royal Society B: Biological Sciences*. 373: 20170102. Word Count: 10,758. *Gillespie played a role in conception and design of this study and wrote sections of the manuscript.*

82) *Terio KA, Lonsorf EV, Kinsel MJ, Raphael J, Lipende I, Collins A, Li Y, Hahn BH, Travis DA, **Gillespie TR**. 2018. Oesohagostomiasis in non-human primates of Gombe National Park, Tanzania. *American Journal of Primatology*. 80:e22572. Word Count: 5,711.

81) *Ragazzo LJ, Zohdy S, Velonabison M, Herrera J, Wright PC, **Gillespie TR**. 2018. *Entamoeba histolytica* infection in wild lemurs associated with proximity to humans. *Veterinary Parasitology*. 249:98-101.

80) Lonsdorf EV, **Gillespie TR**, Wolf TM, Lipende I, Raphael J, Bakuza J, Murray CM, Wilson ML, Kamenya S, Mjungu D, Collins DA, Gilby IC, Stanton MA, Terio KA, Barbian HJ, Li Y, Ramirez M, Krupnick A, Seidl E, Goodall J, Hahn BH, Pusey AE, Travis DA. 2018. Socioecological Correlates of Clinical Signs in Two Communities of Wild Chimpanzees (*Pan troglodytes*) at Gombe National Park, Tanzania. *American Journal of Primatology*. 80:e22562. Word Count: 13,820. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*

79) Weiss D, Wallace R, Rwego IB, Singer R, **Gillespie TR**, Goldberg T. 2018. Antibiotic-resistant *Escherichia coli* and class 1 integrons in people, domestic animals, and wild primates in rural Uganda. *Applied and Environmental Microbiology*. 84 (21), e01632-18. Word Count: 5,839. *Gillespie played a role in conception and design of study, directed fieldwork, and assisted in manuscript preparation.*

78) *Martínez-Mota R, Pozo-Montuy G, Sánchez YMB, **Gillespie TR**. 2018. Effects of anthropogenic stress on the presence of parasites in a threatened population of black howler monkeys (*Alouatta pigra*). *Therya*. 9:161-169.

77) Akoua-Koffi C, Beermann S, Calvignac-Spencer S, ... **Gillespie TR**, ... Wittiger L. 2018. Obituary: Siv Aina Jensen Leendertz (Born Siv Aina Jensen: 1973–2018). *International Journal of Primatology*. 39: 1001-1004. *Gillespie wrote sections of the manuscript.*

76) Ito A, Eckardt W, Stoinski T, **Gillespie TR**, Tokiwa T. 2018. Three new *Troglodytella* and a new *Gorilloflasca* ciliates (Entodiniomorphida) from mountain gorillas (*Gorilla beringei beringei*) in Rwanda. *European Journal of Protistology*. 65: 42-56. *Gillespie played a role in conception and design of study, assisted in coordination of field and laboratory activities, and assisted in manuscript preparation.*

75) *Rushmore J, Bisanzio D, **Gillespie TR**. 2017. Making connections: insights from primate-parasite networks. *Trends in Parasitology*. 33: 547-560. (Journal Cover).

74) *Martínez-Mota R, Garber PA, Palme R, **Gillespie TR**. 2017. The relative effects of reproductive condition, stress, and seasonality on patterns of parasitism in wild female black howler monkeys (*Alouatta pigra*). *American Journal of Primatology*. 79: e22669. Word Count: 8,802.

- 73) Estrada A, Garber PA, Rylands AB, Roos C, Fernandez-Duque E, Di Fiore A, Heymann EW, Lambert JE, Rovero F, Barelli CA, Setchell JM, **Gillespie TR**, Mittermeier RA, et al. 2017. Impending extinction crisis of the world's primates: why primates matter. *Science Advances*. 3: e1600946. Word Count: 16,051. *Gillespie played a role in conception and design of review and wrote sections of the manuscript.*
- 72) Faust C, Dobson AP, Gottdenker N, Bloomfield L, McCallum HI, **Gillespie TR**, Diuk-Wasser M, Plowright R. 2017. Null expectations for disease dynamics in shrinking habitat: dilution or amplification? *Philosophical Transactions of the Royal Society B: Biological Sciences*. 372: 20160173. Word Count: 9,468. *Gillespie played a role in conception and design of this study and wrote sections of the manuscript.*
- 71) Salerno J, Ross N, Ghai R, Mahero M, Travis DA, **Gillespie TR**, Hartter J. 2017. Human-wildlife interactions predict febrile illness in park landscapes of western Uganda. *EcoHealth*. 14: 675-690. *Gillespie played a role in conception and design of this study and assisted in manuscript preparation.*
- 70) Hermanns K, Zirkel F, Kopp A, Marklewitz M, Rwego I, Estrada A, **Gillespie TR**, Drosten C, Junglen S. 2017. Discovery of a novel alphavirus related to Eilat virus. *Journal of General Virology*. 98: 43-49. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*
- 69) Ito A, Eckardt W, Stoinski T, **Gillespie TR**, Tokiwa T. 2017. *Gorilloflasca africana* n.g., n.sp., (Entodiniomorphida) from wild habituated Virunga mountain gorillas (*Gorilla beringei beringei*) in Rwanda. *European Journal of Protistology*. 60: 68-75. *Gillespie played a role in conception and design of study, assisted in coordination of field and laboratory activities, and assisted in manuscript preparation.*
- 68) *Zohdy S, Derfus K, Headrick EG, Andrianjafy MT, Wright PC, **Gillespie TR**. 2016. Small-scale land-use variability affects *Anopheles* spp. distribution and *Plasmodium* infection in humans and mosquito vectors in southeastern Madagascar. *Malaria Journal*. 15: 114. Word Count: 5,297.
- 67) *Salzer JS, Pinto CM, Grippi DC, Williams-Newkirk AJ, Peterhans JK, Rwego IB, Carroll DS, **Gillespie TR**. 2016. Impact of anthropogenic disturbance on native and invasive trypanosomes of rodents in forested Uganda. *EcoHealth*. 13: 698-707.
- 66) Madinda, NF, Ehlers B, Wertheim JO, Akoua-Koffi C, Bergl RA, Boesch C, Akonkwa D, Eckardt W, Fruth B, **Gillespie TR**, et al. 2016. Assessing host-virus co-divergence for close relatives of Merkel cell polyomavirus infecting African great apes. *Journal of Virology*. 90(19): 8531-41. *Gillespie coordinated fieldwork at some sites for this study and assisted in manuscript preparation.*
- 65) Wolf TM, Sreevatsan S, Singer RS, Lipende I, Collins A, **Gillespie TR**, Lonsdorf EV, Travis DT. 2016. Noninvasive tuberculosis screening in free-living primate populations in Gombe Stream National Park, Tanzania. *EcoHealth*. 13: 139-144. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*
- 64) Ito A, Eckardt W, Stoinski TS, **Gillespie TR**, Tokiwa T. 2016. *Prototapirella* ciliates (Entodiniomorphida) from wild habituated Virunga mountain gorillas (*Gorilla beringei beringei*) in Rwanda with the descriptions of two new species. *European Journal of Protistology*. 54: 47-58. *Gillespie played a role in conception and design of study, assisted in coordination of field and laboratory activities, and assisted in manuscript preparation.*

- 63) Wren BT, Remis MJ, Camp JW, **Gillespie TR**. 2016. Number of Grooming Partners is Associated with Hookworm Infection in Wild Vervet Monkeys (*Chlorocebus aethiops*). *Folia Primatologica*. 87:168-179. *Gillespie played a role in conception and design of study and manuscript preparation and oversaw lab component.*
- 62) *Parsons MB, Travis D, Lonsdorf EV, Lipende I, Roellig DW, Collins A, Kamenya S, Zhang H, Xiao L, **Gillespie TR**. 2015. Epidemiology and Molecular Characterization of *Cryptosporidium* spp. in Humans, Wild Primates, and Domesticated Animals in the Greater Gombe Ecosystem, Tanzania. *PLoS Neglected Tropical Diseases*. 10(2):e0003529. Word Count: 6,564.
- 61) *Rimbach RD, Bisanzio D, Galvis N, Link A, Di Fiore A, **Gillespie TR**. 2015. Brown spider monkeys (*Ateles hybridus*) as a model for differentiating the role of social networks and physical contact on parasite transmission dynamics. *Philosophical Transactions of the Royal Society B: Biological Sciences*. 370:20140110. Word Count: 8,254.
- 60) *Salzer JS, Carroll D, Williams-Newkirk A, Lang S, Kerbis-Peterhans J, Rwego I, Ockers S, **Gillespie TR**. 2015. Effects of anthropogenic and demographic factors on patterns of parasitism in African small mammal communities. *Parasitology*. 142:512-522.
- 59) *Bublitz DC, Wright PC, Bodager JR, Rasambainarivo FT, **Gillespie TR**. 2015. Pathogenic Enterobacteria in Lemurs Associated with Anthropogenic Disturbance. *American Journal of Primatology*. 77:330–337.
- 58) *Bodager JR, Wright PC, Rasambainarivo FT, Parsons MB, Roellig D, Xiao L, **Gillespie TR**. 2015. Complex epidemiology and zoonotic potential for *Cryptosporidium suis* in rural Madagascar. *Veterinary Parasitology*. 207:140-143.
- 57) *Zohdy S, Derfus K, Andrianjafy MT, Wright PC, **Gillespie TR**. 2015. Field Evaluation of Synthetic Lure (3-methyl-1-butanol) When Compared to Non Odor-Baited Control in Capturing Anopheles Mosquitoes in Varying Land-Use Sites in Madagascar. *Parasites & Vectors*. 8:145. Word Count: 3,565.
- 56) *Zohdy S, Grossman MK, Fried IR, Rasambainarivo FT, Wright PC, **Gillespie TR**. 2015. Diversity and Prevalence of Diarrhea-Associated Viruses in the Lemur Community and Associated Human Population of Ranomafana National Park, Madagascar. *International Journal for Primatology*. 36:143–153.
- 55) Rist CL, Garchitorena A, Ngonghala CN, **Gillespie TR**, Bonds MH. 2015. The Burden of Livestock Parasites on the Poor. *Trends in Parasitology*. 31:527-530. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*
- 54) Nunn CL, Craft ME, **Gillespie TR**, Schaller M, Kappeler PM. 2015. Future research on the sociality-health-fitness nexus. *Philosophical Transactions of the Royal Society B: Biological Sciences*. 370:20140115. Word Count: 11,459. *Gillespie played a role in conception and design of review and wrote sections of the manuscript.*
- 53) Hoppe E, Pauly M, **Gillespie TR**, Akoua-Koffi C, Hohmann G, Fruth B, Karhemere S, Madinda NF, Mugisha L, Muyembe J, Todd A, Petrzalkova KJ, Gray M, Robbins M, Bergl RA, Wittig RM, Zuberbühler K, Boesch C, Schubert G, Leendertz FH, Ehlers B, Calvignac-Spencer S. 2015. Multiple cross-species transmission events of human adenoviruses (HAdV) during hominine evolution. *Molecular Biology and Evolution*. 32:2072-84. *Gillespie coordinated fieldwork at some sites for this study and assisted in manuscript preparation.*

- 52) Rist CL, Ngonghala CN, Garchitorena A, Brook CE, Ramananjato R, Miller AC, Randrianarivelojosia M, Wright PC, **Gillespie TR**, Bonds MH. 2015. Modeling the burden of poultry disease on the rural poor in Madagascar. *One Health*. 1:60-65. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*
- 51) Roellig DM, Salzer JS, Carroll DS, Ritter JM, Drew C, Gallardo-Romero N, Keckler MS, Langham G, Hutson CL, Karem KL, **Gillespie TR**, Visvesvara GS, Metcalfe MG, Damon IK, Xiao L. 2015. Identification of *Giardia duodenalis* and *Enterocytozoon bienersi* in an epizootological investigation of a laboratory colony of prairie dogs, *Cynomys ludovicianus*. *Veterinary Parasitology*. 210:91-97. *Gillespie played a role in conception and design of study and manuscript preparation and oversaw lab component.*
- 50) Wren BT, **Gillespie TR**, Camp JW, Remis MJ. 2015. Helminths of Vervet Monkeys, *Chlorocebus aethiops*, from Loskop Dam Nature Reserve, South Africa. *Comparative Parasitology*. 82(1):101-108. *Gillespie played a role in conception and design of study and manuscript preparation and oversaw lab component.*
- 49) *Bublitz DC, Wright PC, Bodager JR, Rasambainarivo FT, Bliska JB, **Gillespie TR**. 2014. Epidemiology of Pathogenic Enterobacteria in Humans, Livestock, and Peridomestic Rodents in Rural Madagascar. *PLoS One*. 9(7): e101456. Word Count: 8,335.
- 48) *Parsons MB, **Gillespie TR**, Lonsdorf, E.V., Travis, D., Lipende, I., Gilagiza, B., Kamenya, S., Pintea, L., Vazquez-Prokopec, G.M. 2014. Global positioning system data-loggers: a tool to quantify fine-scale movement of domestic animals to evaluate potential for zoonotic transmission to an endangered wildlife population. *PLoS One*. 9(11): e110984. Word Count: 5,569.
- 47) Yildirim S, Yeoman CJ, Janga SC, Thomas SM, Ho M, Leigh SR, Primate Microbiome Consortium including **Gillespie TR**, et al. 2014. Primate vaginal microbiomes exhibit species specificity without universal *Lactobacillus* dominance. *ISME Journal*. 8:2431-2444. *Gillespie coordinated fieldwork at multiple sites for this study.*
- 46) Kallies R, Kopp A, Zirkel F, Estrada A, **Gillespie TR**, Drosten C, Junglen S. 2014. Genetic characterization of Goutanap virus, a novel virus related to Negevirus, Cileviruses and Higreviruses. *Viruses*. 6:4346-4357. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*
- 45) Lonsdorf E, Travis D, Ssuna R, Lantz E, Wilson M, Gamble K, Terio K, Leendertz F, Ehlers B, Keele B, Hahn B, **Gillespie TR**, Pond J, Raphael J, Collins A. 2014. Field immobilization for treatment of an unknown illness in a wild chimpanzee (*Pan troglodytes schweinfurthii*) at Gombe National Park, Tanzania: findings, challenges, and lessons learned. *Primates*. 55:89-99. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation.*
- 44) ***Gillespie TR**, Barelli C, Heistermann M. 2013. Do social status, parasitism, and stress have synergistic effects on white-handed gibbons (*Hylobates lar*) in Khao Yai National Park, Thailand? *American Journal of Physical Anthropology*. 150:602-608.
- 43) *Zommers Z, Macdonald DW, Johnson PJ, **Gillespie TR**. 2013. Impact of human activities on chimpanzee ground use and parasitism (*Pan troglodytes*). *Conservation Letters*. 6:264-273.
- 42) *West KA, Heymann EW, Mueller B, **Gillespie TR**. 2013. Patterns of Infection with *Cryptosporidium* sp. and *Giardia* sp. in Three Species of Free-Ranging Primates in the Peruvian Amazon. *International Journal of Primatology*. 34:939-945.

- 41) *Salzer JS, DS Carroll, IB Rwego, E Falendysz, JL Shisler, K Karem, IK Damon, **TR Gillespie**. 2013. Serologic Evidence for Multiple Genera of Poxviruses Circulating in the Peridomestic Rodent Population in Western Uganda. *Journal of Wildlife Disease*. 49:125-131.
- 40) Kopp A, **Gillespie TR**, Hobelsberger D, Estrada A, Harper JM, Miller RA, Eckerle I, Müller MA, Podsiadlowski L, Leendertz FH, Drosten C, Junglen S. 2013. Provenance and geographic spread of St. Louis encephalitis virus. *MBio*. 2013 Jun 11;4(3). doi:pii: e00322-13. Word Count: 8,107. *Gillespie co-led conception and design of study, coordinated fieldwork, and assisted in manuscript preparation*.
- 39) Marklewitz M, Zirkel F, Rwego IB, Heidemann H, Trippner P, Kurth A, Kallies R, Briese T, Lipkin WI, Drosten C, **Gillespie TR**, Junglen S. 2013. Discovery of a novel cluster of mosquito-associated bunyaviruses in sister relationship to the genus Orthobunyavirus. *Journal of Virology*. 87:12850-12865. *Gillespie played a role in conception and design of study, fieldwork coordination, and manuscript preparation*.
- 38) Rasambainarivo FT, **TR Gillespie**, Wright PC, Arsenault J, Villeneuve A, Lair S. 2013. Survey of *Giardia* and *Cryptosporidium* in lemurs from the Ranomafana National Park, Madagascar. *Journal of Wildlife Diseases*. 49(3):741-3. *Gillespie co-led conception and design of study, coordinated fieldwork, and assisted in manuscript preparation*.
- 37) Williams-Newkirk AJ, JS Salzer, DS Carroll, **TR Gillespie**, GA Dasch. 2013. Simple method for locating a suitable venipuncture site on the tail of the Virginia opossum (*Didelphis virginiana*). *European Journal of Wildlife Research*. DOI 10.1007/s10344-013-0706-y. Word Count: 2,255. *Gillespie co-led conception and design of study, coordinated fieldwork, and assisted in manuscript preparation*.
- 36) Schaumburg F, Mugisha L, Peck B, Becker K, **Gillespie TR**, Peters G, Leendertz FH. 2012. Drug-resistant human *Staphylococcus aureus* in sanctuary apes pose a threat to endangered wild ape populations. *American Journal of Primatology*. 74:1071-1075. (Journal Cover). *Gillespie played a role in conception and design of study and manuscript preparation*.
- 35) Salyer SJ, **Gillespie TR**, Rwego IB, Chapman CA, Goldberg TL 2012. Epidemiology and molecular ecology of *Cryptosporidium* spp. in people, primates, and livestock from western Uganda. *PLOS Neglected Tropical Diseases*. 6(4):e1597. Word Count: 5,356. *Gillespie co-led conception and design of study, coordinated fieldwork, and assisted in manuscript preparation*.
- 34) Calvignac-Spencer S, Leendertz SA, **Gillespie TR**, Leendertz FH. 2012. Wild great apes as sentinels and sources of infectious disease. *Clinical Microbiology and Infection*. 18(6):521-7. *Gillespie co-led conception and design of review and wrote sections of the manuscript*.
- 33) *Kowalewski M, Salzer JS, Deutsch JC, Raño M, Kuhlenschmidt MS, **Gillespie TR**. 2011. Black and Gold Howler Monkeys (*Alouatta caraya*) as Sentinels of Ecosystem Health: Patterns of Zoonotic Protozoa Infection Relative to Degree of Human-Primate Contact. *American Journal of Primatology* (Special Issue: Primates in 21st Century Ecosystems: Does Primate Conservation Promote Ecosystem Conservation?) 73:75-83. (Journal Cover)
- 32) *Howells ME, J Pruetz, **TR Gillespie**. 2011. Patterns of gastro-intestinal commensals and parasites as an index of population and ecosystem health: the case of sympatric western chimpanzees (*Pan troglodytes verus*) and guinea baboons (*Papio hamadryas papio*) at Fongoli, Senegal. *American Journal of Primatology* 73:173-179.

- 31) De Angelo, **T.R. Gillespie**, P. Wright, A. Rakotonavalon. 2011. El impacto de los factores de estrés en tiempo real sobre la resiliencia en el largo plazo en ambientes de bosques lluviosos tropicales: conclusiones de un simposio. *Ecosistemas*, 20:138-139. *Gillespie played a role in conception and design of study and manuscript preparation.*
- 30) ***Gillespie TR**, Lonsdorf EV, Canfield EP, Meyer DJ, Nadler Y, Raphael J, Pusey AE, Pond J, Pauley J, Mlengeya T, Travis DA. 2010. Demographic and Ecological Effects on Patterns of Parasitism in Eastern Chimpanzees (*Pan troglodytes schweinfurthii*) in Gombe National Park, Tanzania. *American Journal of Physical Anthropology* 143:534-544.
- 29) Kaiser M, Löwa A, Ulrich M, Ellerbrok H, Goffe AS, Blasse A, Zommers Z, Couacy-Hymann E, Babweteera F, Metzger S, **Gillespie TR**, Leendertz FH. 2010. Wild chimpanzees are infected with 5 plasmodium species. *Emerging Infectious Diseases* 6:1956-1969. *Gillespie played a role in conception and design of study and manuscript preparation.*
- 28) Johnston A, **Gillespie TR**, Rwego IB, Tranby TL, Kent AD, Goldberg TL. 2010. Molecular epidemiology of cross-species *Giardia duodenalis* transmission in western Uganda. *PLOS Neglected Tropical Diseases* 4:e683. Word Count: 5,568. *Gillespie co-led conception and design of study, coordinated fieldwork, and assisted in manuscript preparation.*
- 27) ***Gillespie TR**, Morgan D, Deutsch JC, Kuhlenschmidt MS, Salzer JS, Cameron K, Reed P, Sanz C. 2009. A legacy of low impact logging does not elevate prevalence of potentially pathogenic protozoa in free-ranging chimpanzees and lowland gorillas in the Republic of Congo. *EcoHealth* 6:557-564.
- 26) Rwego IB, Isabirye-Basuta G, **Gillespie TR**, Goldberg TL. 2009. Bacterial exchange between Gorillas, Humans and Livestock in Bwindi. *Gorilla Journal* 38:16-18. *Gillespie co-led conception and design of study, coordinated field and lab components, and assisted in manuscript preparation.*
- 25) ***Gillespie TR**, Nunn CL, Leendertz FH. 2008. Integrative approaches to the study of primate infectious disease: implications for biodiversity conservation and global health. *Yearbook of Physical Anthropology* 51:53-69.
- 24) ***Gillespie TR**, Chapman CA. 2008. Forest fragmentation, the decline of an endangered primate, and changes in host-parasite interactions relative to an unfragmented forest. *American Journal of Primatology*. 70:222-230.
- 23) Goldberg TL, **Gillespie TR**, Rwego IB, Estoff EL, Chapman CA. 2008. Anthropogenic disturbance promotes bacterial transmission among primates, humans, and livestock across a fragmented forest landscape. *Emerging Infectious Diseases* 14:1375-1382. *Gillespie co-led conception and design of study, coordinated field and lab components, and co-wrote the manuscript.*
- 22) Rwego IB, **Gillespie TR**, Isabirye-Basuta G, Goldberg TL. 2008. High rates of *Escherichia coli* transmission between livestock and humans in rural Uganda. *Journal of Clinical Microbiology* 46:3187-3191. *Gillespie co-led conception and design of study, coordinated field and lab components, and assisted in manuscript preparation.*
- 21) Rwego IB, Isabirye-Basuta G, **Gillespie TR**, Goldberg TL. 2008. Gastrointestinal bacterial transmission among humans, mountain gorillas, and domestic livestock in Bwindi Impenetrable National Park, Uganda. *Conservation Biology* 22:1600-1607. *Gillespie co-led conception and design of study, coordinated field and lab components, and assisted in manuscript preparation.*

- 20) Bezjian M, **Gillespie TR**, Chapman CA, Greiner EC. 2008. Gastrointestinal parasites of forest baboons, *Papio anubis*, in Kibale National Park, Uganda. *Journal of Wildlife Diseases* 44:878-887. *Gillespie contributed to the conception and design of study, coordinated fieldwork, and assisted in manuscript preparation.*
- 19) Hasegawa H, Greiner EC, **Gillespie TR**. 2008. Morphology of *Enterobius* (*Colobenterobius*) *Colobis Vuylsteke*, 1964 (Nematoda: Oxyuridae: Enterobiinae) collected from an ashy red colobus, *Procolobus rufomitratus tephrosceles* (Elliot, 1907) (Primates: Cercopithecidae: Colobinae) in Uganda. *Journal of Parasitology* 94:1082-1086. *Gillespie contributed to the conception and design of study, coordinated fieldwork, and assisted in manuscript preparation.*
- 18) *Salzer JS, Rwego IB, Goldberg TL, Kuhlenschmidt MS, and **Gillespie TR**. 2007. *Giardia* sp. and *Cryptosporidium* sp. infections in primates in fragmented and undisturbed forest in western Uganda. *Journal of Parasitology*. 93: 439-440.
- 17) Goldberg TL, **Gillespie TR**, Rwego IB, Wheeler E, Estoff EL, Chapman CA. 2007. Patterns of gastrointestinal bacterial exchange between chimpanzees and humans involved in research and tourism in western Uganda. *Biological Conservation*. 135: 527-533. *Gillespie co-led conception and design of study, coordinated field and lab components, and co-wrote the manuscript.*
- 16) Chapman CA, Naughton-Treves L, Lawes MJ, Wasserman MD, **Gillespie TR**. 2007. The conservation value of forest fragments: explanations for population decline of the colobus of western Uganda. *International Journal of Primatology*. 28(3): 513-528. *Gillespie contributed to the conception and design of study and assisted in manuscript preparation.*
- 15) ***Gillespie TR**, Chapman CA. 2006. Prediction of Parasite Infection Dynamics in Primate Metapopulations Based on Attributes of Forest Fragmentation. *Conservation Biology*. 20: 441-448.
- 14) ***Gillespie TR**. 2006. Non-invasive assessment of gastro-intestinal parasite infections in free-ranging primates. *International Journal of Primatology*. 27: 1129-1143.
- 13) Goldberg TL, **Gillespie TR**, Singer RS. 2006. Optimization of analytic parameters for inferring relationships among *Escherichia coli* isolates from repetitive-element PCR by maximizing correspondence with multilocus sequence typing data. *Applied and Environmental Microbiology*. 72 (9): 6049-6052. *Gillespie co-led conception and design of study, coordinated lab components, and co-wrote the manuscript.*
- 12) Chapman CA, Wasserman MD, **Gillespie TR**, Speirs ML, Lawes MJ, Ziegler TE. 2006. Do nutrition, parasitism, and stress have synergistic effects on red colobus populations living in forest fragments? *American Journal of Physical Anthropology*. 131: 525-534. *Gillespie contributed to the conception and design of study, co-coordinated field and lab components, and assisted in manuscript preparation.*
- 11) Goldberg TL, **Gillespie TR**, Rwego IB, Kaganzi C. 2006. Killing of an owl (*Galucidium perlatum*) by a red colobus monkey (*Piliocolobus tephrosceles*). *American Journal of Primatology*. 68: 1007-1011. *Gillespie contributed to the conception, data collection, and design of study and assisted in manuscript preparation.*
- 10) Chapman CA, **Gillespie TR**, Speirs M, Holland T, Austad K. 2006. Life on the edge: A comparison of primate gastrointestinal parasites from forest edge and interior groups. *American Journal of Primatology*. 68:397-409. *Gillespie contributed to the conception, data collection, and design of study and assisted in manuscript preparation.*

- 9) ***Gillespie TR**, Chapman CA, Greiner EC. 2005. Effects of logging on gastrointestinal parasite infections and infection risk in African primate populations. *Journal of Applied Ecology* 42:699-707.
- 8) ***Gillespie TR**, Greiner EC, Chapman CA. 2005. Gastrointestinal parasites of the colobus monkeys of Uganda. *Journal of Parasitology* 91:569-573.
- 7) Chapman CA, **Gillespie TR**, Goldberg TL. 2005. Primates and the ecology or their infectious diseases: how will anthropogenic change affect host-parasite interactions? *Evolutionary Anthropology* 14:134-144. *Gillespie co-led conception and design of study and co-wrote the manuscript.*
- 6) Chapman CA, **Gillespie TR**, Speirs M. 2005. Parasite prevalence and richness in sympatric colobines: effects of host density. *American Journal of Primatology* 67:259-266. *Gillespie contributed to the conception, data collection, and design of study and assisted in manuscript preparation.*
- 5) ***Gillespie TR**, Greiner EC, Chapman CA. 2004. Gastrointestinal parasites of the guenons of western Uganda. *Journal of Parasitology* 90: 1356-1360.
- 4) Chapman CA, Chapman LJ, **Gillespie TR**. 2002. Scale issues in the study of primate foraging: red colobus of Kibale National Park. *American Journal of Physical Anthropology* 117: 349-363. *Gillespie contributed to the conception, data collection, and design of study and assisted in manuscript preparation.*
- 3) ***Gillespie TR**, Chapman CA. 2001. Determinants of group size in the red colobus monkey (*Procolobus badius*): An evaluation of the generality of the ecological-constraints model. *Behavioral Ecology and Sociobiology* 50:329-338.
- 2) Chapman CA, Balcomb SR, **Gillespie TR**, Skorupa JP, Struhsaker TT. 2000. Long-term effects of logging on primates in Kibale National Park, Uganda: A 28 year comparison. *Conservation Biology* 14:207-217. *Gillespie contributed to the conception and design of study, conducted all analyses, and co-wrote the manuscript.*
- 1) Hodges BL, Gagnon MJ, **Gillespie TR**, Breneisen JR, O'Leary DF, Hara S, Quock RM. 1994. Antagonism of nitrous oxide antinociception in the rat hot plate test by site-specific n- and e- opioid receptor blockade. *Journal of Pharmacology and Experimental Therapeutics* 269: 596-600. *Gillespie contributed to design, data collection, and manuscript preparation.*

Books

- 3) Gilardi KV, **Gillespie TR**, Leendertz FH, Macfie EJ, Travis DA, Whittier CA, Williamson EA. 2016. Panduan Pengawasan Kesehatan dan Pengendalian Penyakit pada Populasi Kera Besar. Gland, Switzerland: IUCN SSC Primate Specialist Group. 56pp. *Gillespie co-led conception and design and co-wrote the book.*
- 2) Gilardi KV, **Gillespie TR**, Leendertz FH, Macfie EJ, Travis DA, Whittier CA, Williamson EA. 2016. Lignes directrices pour de meilleures pratiques en matière de suivi de la santé et de contrôle des maladies des populations de grands singes. Gland, Switzerland: IUCN SSC Primate Specialist Group. 56pp. *Gillespie co-led conception and design and co-wrote the book.*
- 1) Gilardi KV, **Gillespie TR**, Leendertz FH, Macfie EJ, Travis DA, Whittier CA, Williamson EA. 2015. *Best Practice Guidelines for Health Monitoring and Disease Control in Great Ape Populations*. Gland, Switzerland: IUCN SSC Primate Specialist Group. 56pp. *Gillespie co-led conception and design and co-wrote the book.*

Edited Volumes

1) **Gillespie TR**, Lonsdorf EV, Travis DA. 2018. Special Issue: Chimpanzee Health and Conservation in the Anthropocene. *American Journal of Primatology*. Volume 80, Issue 1. 107pp. *Gillespie was lead guest editor for this volume and invited Drs. Travis and Lonsdorf to assist.*

Peer-Reviewed Contributions to Edited Volumes

13) Wolf, TM, Deere JR, Lonsdorf EV, Collins A, **Gillespie TR**, Terio K, Murray C, Milstein M, Shaffer C, Travis DT. 2020. Creating multidisciplinary teams at the human-NHP interface in the real world: Gombe case study. In: *Neglected Diseases of Monkeys*. Lisa Jones-Engel and Sascha Knauf (eds). Springer Press, New York. *Gillespie contributed to the conception and design of manuscript and wrote sections of the chapter.*

12) Kowalewski M, **Gillespie TR**. 2018. Disturbance-tolerant primates as sentinels for global health and biodiversity conservation. In: *Primatology, Biocultural Diversity and Sustainable Development in Tropical Forests*. UNESCO, Mexico City, Mexico. Pp. 271-281. *Gillespie co-led conception and design and co-wrote the chapter.*

11) Travis DA, Shaffer CA, Robertson C, Kennedy S, **Gillespie TR**, Concertino M, Alpern JD, Stauffer W. 2018. Biodiversity and Health. In: *Beyond One Health: From Recognition to Results*. John A. Herrmann and Yvette Johnson-Walker (eds). Wiley, Hoboken. Pp. 155-177. *Gillespie contributed to the conception and design of study and wrote sections of the chapter.*

10) Kowalewski M, Torres, J, Milozzi C, **Gillespie TR**. 2017. *Bertiella* sp. infection patterns in black and gold howler monkeys across their distribution. In: *Primatology in Argentina*. Kowalewski M & Oklander L (eds). Sociedad Argentina para el Estudio de los Mamíferos (SAREM), Buenos Aires, Argentina. *Gillespie contributed to the conception, data collection, and design of study and assisted in manuscript preparation.*

9) Nunn C, **Gillespie TR**. 2016. Pathogens and Primate Conservation. In: *Primate Conservation*. Wich S. and Marshall A. (eds). Oxford University Press, Oxford, UK. Pp. 157-174. *Gillespie co-led conception and design and co-wrote the chapter.*

8) Martínez-Mota R, M Kowalewski, **TR Gillespie**. 2015. Ecological determinants of parasitism in howler monkeys. *Developments in Primatology*. In: *Howler Monkeys, Developments in Primatology: Progress and Prospects*. Kowalewski et al. (eds). Springer Press, New York. *Gillespie contributed to the conception, data collection, and design of study and assisted in manuscript preparation.*

7) **Gillespie, T.R.** 2012. Habitat Fragmentation and Species Barriers. In Lief Norrgren and Jeffrey M Leventon (Ed.), *Ecosystem Health and Sustainable Agriculture*. Baltic University Press, Upsala.

6) Leendertz FH, **Gillespie TR**, Cameron K, and Reed P. 2010. Pathogenic Threats to Gorilla Conservation. In Nellman C., I. Redmond, J. Refisch (eds.). *The Last Stand of the Gorilla: A Rapid Response Assessment*. United Nations Environment Program (UNEP), Nairobi. *Gillespie co-led conception and design and co-wrote the chapter.*

5) Rwego IB, **Gillespie TR**, Goldberg TL. 2009. Pathogen Transmission between primates and humans. In Kalipeni, E. Kakoma, I. Sanogo, Y. O. Fawcett, K. and Warner, R. E. (Eds), *Turning Science into Action: Biodiversity Conservation and Natural Resources Management in Africa*. Trenton, NJ: Africa World Press. *Gillespie co-led conception and design and co-wrote the chapter.*

4) Kowalewski M, **Gillespie TR**. 2008. Ecological & anthropogenic influences on patterns of parasitism in free-ranging primates: a meta-analysis of the genus *Alouatta*. P. Garber, A. Estrada, J.C. Bicca-Marques, E. Heymann, and K. Strier (eds.). *South American Primates: Testing New Theories in the Study of Primate Behavior, Ecology, and Conservation*. Springer Press. *Gillespie co-led conception and design and co-wrote the chapter.*

3) Goldberg TL, **Gillespie TR**, Rwego IB. 2008. Health and disease in the people, primates, and domestic animals of Kibale National Park: Implications for conservation. R. Wrangham (ed.). *Kibale Forest: A Model For Exploring the Relationship Between Long Term Research and Conservation*. Cambridge University Press. *Gillespie co-led conception and design and co-wrote the chapter.*

2) Chapman CA, Wasserman MD, **Gillespie TR**. 2006. Behavioural patterns of colobus in logged and unlogged forests: The conservation value of harvested forests. V. Reynolds, H. Notman, and N. Newton-Fisher (eds.). *Primates of Uganda*. *Gillespie contributed to the conception, data collection, and design of study and assisted in manuscript preparation.*

1) Chapman CA, Lawes MJ, Naughton-Treves L, **Gillespie TR**. 2003. Primate survival in community-owned forest fragments: Are metapopulation models useful amidst intensive use? In: L.K. Marsh (ed.) *Primates in Fragments: Ecology and Conservation*. Kluwer Academic/Plenum Publishers, New York. *Gillespie contributed to the conception, data collection, and design of study and assisted in manuscript preparation.*

Book Reviews

3) **Gillespie TR**. 2010. Beyond competition and predation: Infectious disease as a selective force in primate behavior, ecology, and evolution. [Review of the books "Infectious Diseases in Primates" and "Primate Parasite Ecology"]. *Evolutionary Anthropology* 19:79-80.

2) **Gillespie TR**. 2010. Primate Parasite Ecology: The Dynamics and Study of Host-Parasite Relationships [Review of the book "Primate Parasite Ecology"]. *American Journal of Human Biology* 22:425-426.

1) **Gillespie TR**. 2008. 98% Human, 91% Extinct. [Review of the book "The World Atlas of Great Apes and Their Conservation"]. *Conservation Biology* 22:224-225.

Other Publications

4) **Gillespie TR**, Ghai R, Petrzalkova KJ. 2017. Nematodes. In: *The International Encyclopedia of Primatology*. Fuentes A (ed). Wiley-Blackwell, Hoboken.

3) **Gillespie TR**, Bakuza J. 2017. Trematodes. In: *The International Encyclopedia of Primatology*. Fuentes A (ed). Wiley-Blackwell, Hoboken.

2) **Gillespie TR**. 2017. Stuhlsaker, Tom. In: *The International Encyclopedia of Primatology*. Fuentes A (ed). Wiley-Blackwell, Hoboken.

1) Leendertz FH, **Gillespie TR**. 2010. Origins and Persistence of Human Malaria: Context Matters. Comment in *PLOS Pathogens* regarding article, "On the Diversity of Malaria Parasites in African Apes and the Origin of Plasmodium falciparum from Bonobos."

Grants, Fellowships, and Gifts

Gillespie is Principal Investigator unless otherwise noted

- 2017 – 2021 Franklin and Marshall College, Zoonoses and Chimpanzee Conservation: A Component of the Gombe Ecosystem Health Project. \$52,497
- 2019 – 2021 Robert W. Woodruff Foundation Synergy II Award, Preparing the U.S. for Climate Change-Induced Infectious Disease Impacts: An Interdisciplinary Research Strategy. Gillespie Co-PI with C. Kraft (Emory School of Medicine) PI. \$100,000
- 2020 – 2021 German Academic Exchange Program (DAAD). Investigation of Bat Immune Function at Leibniz Institute for Zoo and Wildlife Research, Berlin. Gillespie (Mentor), A. Vicente (Mentee). \$9,000.
- 2018 – 2020 Robert W. Woodruff Foundation Synergy II Award, A Novel Assay to Investigate the Relationship Among Anthropogenic Disturbance, Infection, and Immunity in Wild Lemurs. \$100,000
- 2018 – 2020 National Scientific and Technical Research Council of Argentina (CONICET), Gastrointestinal parasite and microbe-mediated phenotypic plasticity as determinants of primate distribution patterns. Gillespie Co-PI with M. Kowalewski. \$35,714
- 2017 – 2020 American Museum of Natural History Theodore Roosevelt Memorial Grant. Predicting multi-host, multi-parasite dynamics in response to anthropogenic disturbance. Gillespie (Mentor), A. Vicente (Mentee). \$3,000
- 2019 – 2020 The Explorer’s Club. Predicting multi-host, multi-parasite dynamics in response to anthropogenic disturbance. Gillespie (Mentor), A. Vicente (Mentee). \$1,500
- 2019 – 2020 Bat Conservation International. Anthropogenic drivers of disease dynamics in cave-dwelling bat communities. Gillespie (Mentor), A. Vicente (Mentee). \$2,960
- 2018 – 2020 Cave Research Foundation Grant. Anthropogenic drivers of disease dynamics in cave-dwelling bat communities. Gillespie (Mentor), A. Vicente (Mentee). \$3,000
- 2019 North Carolina Zoo, Gift in Support of Research in Gillespie Laboratory. \$18,691.
- 2017 – 2019 Fulbright Foreign Scholar Award, Gillespie (host), M. Kowalewski (visiting scholar). \$20,000
- 2018 – 2019 Emory Lester Grant, The relationship between stress and infection in brown mouse lemurs (*Microcebus rufus*) in Ranomafana National Park, Madagascar. Gillespie (Mentor), E. Strahan (Mentee). \$5,000
- 2018 – 2019 Emory Lester Grant, Transmission dynamics of *Bartonella* in cave-dwelling bats and bat flies across a land use gradient in Costa Rica. Gillespie (Mentor), M. Mitchell (Mentee). \$3,700
- 2016 – 2019 The Marcus Foundation, An unbiased approach to identify risk factors associated with childhood diarrheal disease in Madagascar. \$49,251

- 2016 – 2019 The Herrnstein Family Foundation, One Health Approaches for Ranomafana National Park. Madagascar. \$38,470
- 2016 – 2019 Fulbright Foreign Student Fellowship, Gillespie (Mentor), A. Vicente (Mentee). \$48,000
- 2016 – 2018 National Geographic Society, Waiwai Hunting and Health Project. Gillespie Co-PI with C. Shaffer. \$19,000
- 2017 – 2018 National Geographic Society, Understanding the diversity of genotypes and sub-genotypes of *Giardia intestinalis* in humans, black and gold howler monkeys (*Alouatta caraya*), dogs, and livestock in Corrientes, Argentina. Gillespie (Mentor), S. Kuthyar (Mentee). \$5,000
- 2017 – 2018 Emory Lester Grant, Understanding the diversity of genotypes and sub-genotypes of *Giardia intestinalis* in humans, black and gold howler monkeys (*Alouatta caraya*), dogs, and livestock in Corrientes, Argentina. Gillespie (Mentor), S. Kuthyar (Mentee). \$5,000
- 2017 – 2018 Emory Scholars Program, Diversity and zoonotic potential of enteric pathogens in brown lemurs (*Microcebus rufus*) in Ranomafana National Park, Madagascar. Gillespie (Mentor), L. Rautman (Mentee). \$5,000
- 2017 – 2018 Emory Lester Grant, Diversity and zoonotic potential of enteric pathogens in brown lemurs (*Microcebus rufus*) in Ranomafana National Park, Madagascar. Gillespie (Mentor), L. Rautman (Mentee). \$1,000
- 2018 Emory Global Health Institute, Understanding the transmission dynamics and spillover potential of *Bartonella* in areas of human-bat overlap in Costa Rica. Gillespie (Mentor), A. Vicente (Mentee). \$3,000
- 2017 – 2018 American Society of Mammologists Grant. Cave dwelling bats ecology and land use change: assessing the dilution effect. Gillespie (Mentor), A. Vicente (Mentee). \$1,500
- 2016 – 2017 National Science and Engineering Research Council of Canada (NSERC) Post-Doctoral Fellowship, Gillespie (Mentor), R. Ghai (Mentee). \$68,304
- 2014 – 2017 Franklin and Marshall College, Zoonoses and Chimpanzee Conservation: a Component of the Gombe Ecosystem Health Project. \$41,096
- 2017 Emory Masters in Development Practice (MDP) Program Grant, Improving women's health and hygiene in rural Ifanadiana District, Madagascar. Gillespie (Mentor), S. Durry (Mentee). \$6,000
- 2016 – 2017 Emory Program to Enhance Research and Scholarship (PERS) Grant, Identifying (Phase 1) and predicting (Phase 2) high-risk disease conditions in a rural poor community. \$5,000
- 2017 Emory Global Health Institute, Diversity and zoonotic potential of enteric pathogens in brown lemurs (*Microcebus rufus*) in Ranomafana National Park, Madagascar. Gillespie (Mentor), L. Rautman (Mentee). \$3,000

- 2014 – 2016 The Bill and Melinda Gates Foundation, The Economic Burden of Disease: A Combined Metric of Human and Animal Health in Rural Madagascar. Gillespie Co-PI with M. Bonds (Harvard University). \$100,000
- 2014 – 2016 Harvard Medical School, The Human/Animal Disease Interface in Rural Madagascar. \$46,628
- 2015 – 2016 Emory Lester Grant, Understanding the diversity of genotypes of *Giardia intestinalis* in the black and gold howler monkeys, *Alouatta caraya*, of Corrientes, Argentina. Gillespie (Mentor), S. Kuthyar (Mentee). \$2,500
- 2015 – 2016 Emory Lester Grant, Risk of zoonotic disease transmission from hunted wildlife for the WaiWai hunter-gatherers of Guyana. Gillespie (Mentor), L. Ragazzo (Mentee). \$1,250
- 2014 – 2015 Emory Global Health Institute, The Burden of Livestock Parasites on the Poor. \$20,000
- 2012 – 2015 NIH K12 FIRST Postdoctoral Fellowship, Gillespie (Mentor), S. Zohdy (Mentee). \$132,000
- 2011 – 2015 NIH ORISE Fellowship, Gillespie (Mentor), A. Williams (Mentee). \$180,000
- 2013 – 2014 Herrnstein Family Foundation, Ecology of Infectious Diseases in Madagascar. \$45,000
- 2015 Emory Global Health Institute, Ecology of Infectious Diseases in Rwanda. \$12,000
- 2015 Emory IRES, Human-Wildlife Conflict and the Potential for Zoonotic Transmission in and Around Queen Elizabeth National Park, Uganda. Gillespie (Mentor), L. Ragazzo (Mentee). \$4,500
- 2015 Emory IRES, New Technologies for Quantifying Cross-Species Transmission Events in Wild Primates, Robert Koch Institute, Berlin, Germany. Gillespie (Mentor), M. Riu (Mentee). \$4,500
- 2013 – 2014 NSF Dissertation Research Grant. Blood Meal Source as an Ecological Determinant of Bacterial Community Dynamics. Gillespie (Mentor), A. Williams-Newkirk (Mentee). \$20,100
- 2013 – 2014 Maggioncalda Foundation. Effects of habitat disturbance on the behavioral ecology, stress levels and parasitism in the Brown spider monkey (*Ateles hybridus*) in Colombia. \$10,000
- 2011 – 2014 NIH ORISE Fellowship, Gillespie (Mentor), J. Salzer (Mentee). \$195,000
- 2013 – 2014 North Carolina Zoological Park, Health Assessment of the Cross River Gorillas. \$5,000
- 2013 – 2014 Museo delle Scienze, Trento, Italy. Effects of Habitat Disturbance in Parasite Dynamics in Red Colobus Monkeys in Tanzania. \$2,750

- 2011 – 2014 Lincoln Park Zoo, Zoonoses and Chimpanzee Conservation: a Component of the Gombe Ecosystem Health Project. \$41,085
- 2011 – 2014 University of Texas, Health Assessment of the Critically Endangered Sanje Mangabeys. \$12,000
- 2014 Emory IRES. Enteric pathogen transmission among humans and mouse lemurs in Madagascar. Gillespie (Mentor), R. Giordano (Mentee). \$4,500
- 2014 Emory Lester / SIRE. Enteric pathogen transmission among humans and mouse lemurs in Madagascar. Gillespie (Mentor), R. Giordano (Mentee). \$2,400
- 2014 Emory Global Health Institute, Patterns of antimicrobial resistance in enteric bacteria of humans in rural Madagascar. Gillespie (Mentor), R. Giordano (Mentee). \$3,000
- 2014 Emory Turner Grant. Prevalence of *Cytauxzoon felis* infection in field collected ticks and domestic cats in Northern and Central Georgia. Gillespie (Mentor), J. Hensley (Mentee). \$1,500
- 2014 Emory IRES, Prevalence of polyomaviruses in pregnant populations of endangered mountain gorillas in Rwanda. Gillespie (Mentor), D. Ryu (Mentee). \$4,500
- 2014 Emory SIRE / Lester Grant. Molecular characterization of *Entamoeba* in Rwandan mountain gorillas. Gillespie (Mentor), D. Ryu (Mentee). \$1,250
- 2014 Emory IRES, Incidence of *Entamoeba histolytica* in human and lemur populations near Ranomafana National Park, Madagascar. Gillespie (Mentor), A. Stumvoll (Mentee). \$4,500
- 2014 Emory SIRE Grant., Incidence of *Entamoeba histolytica* in human and lemur populations near Ranomafana National Park, Madagascar. Gillespie (Mentor), A. Stumvoll (Mentee). \$1,500
- 2011 – 2013 Dian Fossey Fund International, Demographic and stress-associated affects on patterns of parasitism in the mountain gorillas of Karisoke, Rwanda. \$86,000
- 2013 Emory Global Health Institute, Ecology of Infectious Diseases in Madagascar. \$12,000
- 2013 Emory SURE, Health implications of ranging outside park boundaries in wild Virunga mountain gorillas. Gillespie (Mentor), D. Ryu (Mentee). \$7,500
- 2013 Emory SURE, Clinical Analysis of the Gastrointestinal Parasites and Bacteria from Gombe Chimpanzees and Correlation to Behavioral, Co-infection, and Stress Hormone Level Data. Gillespie (Mentor), P. Chitta (Mentee). \$3,500
- 2013 Emory Lester / SIRE, Factors Affecting Adenovirus Infection Dynamics in Wild Chimpanzees (*Pan troglodytes*) in Gombe National Park, Tanzania. Gillespie (Mentor), K. Cross (Mentee). \$1,200

- 2013 Emory Lester / SIRE, Effects of socio-ecological variability on patterns of gastrointestinal virus prevalence and diversity in the lemur community of Ranomafana National Park, Madagascar. Gillespie (Mentor), I. Fried (Mentee). \$1,200
- 2009 – 2012 Morris Animal Foundation, Epidemiology of a newly recognized threat to chimpanzee health and conservation in Gombe National Park, Tanzania. \$122,540
- 2012 Emory IRES, Effects of Diet on Patterns of Parasitism in Lemurs in Ranomafana National Park, Madagascar. Gillespie (Mentor), I. Fried (Mentee). \$4,500
- 2012 Emory IRES, Covariates to Morbidity and Mortality Associated with *Streptococcus pneumoniae* Infection in Chimpanzees. Gillespie (Mentor), K. Cross (Mentee). \$4,500
- 2012 Emory Lester / SIRE, Gastrointestinal Parasites of Chimpanzees in the Rapidly Disappearing Gishwati Forest, Rwanda. Gillespie (Mentor), M. Jones (Mentee). \$1,200
- 2008 – 2011 Emory Global Health Institute, Faculty of Distinction Grant. \$75,000
- 2011 Morris Animal Foundation, Epidemiology and Ecology of Enteric Pathogens of Lemurs in and around Ranomafana National Park, Madagascar. Gillespie (Mentor), J. Bodager (Mentee). \$4,000
- 2011 Emory SURE, Prevalence of *Wolbachia* in the tick *Amblyomma americanum* from Central Georgia. Gillespie (Mentor), I. Fried (Mentee). \$7,500
- 2011 Emory SIRE / Lester, Parasitic Threats to the Critically Endangered Black Rhinoceros in Addo Elephant National Park, South Africa. Gillespie (Mentor), J. Aronoff (Mentee). \$1,200
- 2011 Emory SIRE / Lester, Patterns of Infection with *Cryptosporidium* and *Giardia* in Multiple Species of Free-Ranging Primates in the Peruvian Amazon. Gillespie (Mentor), K. West (Mentee). \$1,200
- 2008 – 2011 Lincoln Park Zoo, Examination of gastrointestinal parasites in the chimpanzees of Gombe National Park, Tanzania. \$15,030
- 2008 – 2011 Morris Animal Foundation, Eco-epidemiology of infectious disease transmission in wild primates, renewal, Gillespie Co-PI with T. Goldberg. \$137,700
- 2010 German Primate Center, Patterns of Parasitism in the Gibbons of Thailand. \$7,000
- 2010 Morris Animal Foundation, Epidemiology and Ecology of Enteric Pathogens of Wild Chimpanzees in and Around Gombe Stream National Park, Tanzania. Gillespie (Mentor), M. Parsons (Mentee). \$4,000
- 2010 Morris Animal Foundation, Parasitic Threats to the Mountain Gorillas. Gillespie (Mentor), R. Mbabazi (Mentee). \$4,000
- 2010 Emory College Lester / SIRE Award, Howler Monkeys as Sentinels of Human Disease: Prevalence of Rickettsial Diseases in the Ectoparasites of the Genus *Alouatta*. Gillespie (Mentor), J. Bodager (Mentee). \$2,500

- 2008 – 2010 National Geographic Society, Regional scale effects of logging on infection dynamics in African apes. \$19,500
- 2009 – 2010 Oxford University, UK, Patterns of Parasitism in the Chimpanzees of Budongo Forest, Uganda. \$3,150
- 2009 Emory Global Health Institute, Assessment of rodent-borne zoonotic disease risk in rural Uganda. \$9,000
- 2009 Emory ICIS International Travel Grant, Society for Conservation Biology Annual Meeting, Beijing, China. \$1,500
- 2007 – 2008 Lincoln Park Zoo, Parasitism as a component of an integrated health assessment of chimpanzees at Gombe National Park, Tanzania. \$17,900
- 2008 Hewlett International Travel Grant, Eco-Epidemiology of Monkeypox. \$2,000
- 2008 Iowa State University. Patterns of parasitism in the chimpanzees of Fongoli, Senegal. \$2,700
- 2008 National Geographic Society, Behavioral Correlates to Human Helminth Infection in Rural Sub-Saharan Africa. Gillespie (Mentor), D. Meyer (Mentee). \$5,000
- 2008 Andrew Mellon Foundation, Self-Medication by Red Colobus Monkeys. Gillespie (Mentor), N. Prior (Mentee). \$4,500
- 2008 Integrative Biology Research Grant, Behavioral Correlates to Human Helminth Infection in Rural Sub-Saharan Africa. Gillespie (Mentor), D. Meyer (Mentee). \$2,000
- 2008 Integrative Biology Research Grant, Self-Medication by Red Colobus Monkeys. Gillespie (Mentor), N. Prior (Mentee). \$2,000
- 2008 Center for Zoonoses Research via NIH Grant T35 2006NIH. Pathology of Monkeypox in Potential Reservoirs. Gillespie (Mentor), E. Falendyz (Mentee). \$5,100
- 2008 Morris Animal Foundation, Risk Assessment of Human Monkeypox in Uganda. Gillespie (Mentor), M. Madonia (Mentee). \$4,500
- 2005 – 2007 Morris Animal Foundation, Anthropogenic Disturbance and Primate-Pathogen Transmission, Gillespie Co-PI with T. Goldberg (PI). \$135,000
- 2007 Morris Animal Foundation, Effects of forest fragmentation on *Giardia* sp. and *Cryptosporidium* sp. infections in primates, Gillespie (Mentor), A. Lo (Mentee).
- 2007 Center for Zoonoses Research via NIH Grant T35 2006NIH. Eco-Epidemiology of Monkeypox. Gillespie (Mentor), A. Czekala (Mentee). \$4,500
- 2007 Center for Zoonoses Research via NIH Grant T35 2006NIH. Effects of Anthropogenic Disturbance on Patterns of Parasitism in Free-Ranging Primates. Gillespie (Mentor), M. Low (Mentee). \$4,500
- 2006 Environmental Council, University of Illinois, Initiative in Disease Emergence and Ecosystem Health. \$25,000

- 2006 Geraldine R. Dodge Foundation, Transmission and Prevalence of *Shigella* spp. & *Salmonella* spp. Between Primates and Livestock, Gillespie (Mentor) with M. Lee (Mentee). \$7,000
- 2005 Environmental Council, University of Illinois, Initiative in Disease Emergence and Ecosystem Health. \$50,000
- 2005 Wildlife Conservation Society, Ecology of Disease Transmission: Implications for Primate Conservation in Uganda, Gillespie Co-PI with I. Rwego (PI). \$20,310
- 2001 – 2004 Environmental Protection Agency (EPA), Science to Achieve Results [EPA STAR] Dissertation Fellowship. \$96,000
- 2004 International Curriculum Grant, Field Training in Wildlife Disease. University of Florida. \$5,000
- 2004 Society for Conservation Biology Travel Grant. \$300
- 2001 David Niddrie Research Grant, Center for African Studies, U. of Florida. \$1,000
- 1997 – 2000 U. of Florida College of Liberal Arts & Sciences Merit Fellowship. \$18,000
- 2000 Ford Foundation, African Conservation Program. \$3,000
- 1999 NASA, Division of Earth Sciences Conservation Grant. \$500
- 1998 Sigma Xi Research Grant. \$750
- 1996 Earth Foundation, Environmental Education for Amazonian Peru. \$2,500
- 1992 Illinois State Senate General Assembly Merit Scholarship. \$5,500
- 1992 Northern Illinois Academic-Industrial Consortium Fellowship. \$5,000

Honors

- 2020 Appointed External Expert to the United Nations High Level Policy Forum on Sustainable Development.
- 2019 Appointed Chair of France - Atlanta 2019 Symposium (Theme: Biodiversity). Office of Science and Technology, Embassy of France in the United States.
- 2019 2nd Congress of The Peruvian Association of Primatology Plenary Speaker. Lima, Peru
- 2018 University of Illinois Sesquicentennial Celebration Keynote Speaker.
- 2018 Selected as the 2018 Rochester Institute Technology College of Science Distinguished Speaker (Declined Invitation).
- 2017 Elected Fellow of the Linnean Society of London.
- 2017 1st Congress of The Peruvian Association of Primatology Plenary Speaker. Piura, Peru

2017 Stanford University Crucible for Science, Health and the Environment Plenary Speaker.

2015 7th Annual World Health Summit Keynote Speaker. Berlin, Germany.

2015 2nd International Conference on One Health Keynote Speaker. Entebbe, Uganda

2015 13th Annual Conference on Ecology and Evolution of Infectious Diseases Keynote Speaker. Athens, Georgia.

2015 28th Annual Meeting of the Argentine Society of Mammologists Keynote Speaker. Santa Fe, Argentina

2014 Czech Academy of Science International Congress on Primate Disease Keynote Speaker. Brno, Czech Republic.

2014 37th Annual Meeting of the American Society of Primatologists Featured Speaker. Atlanta, Georgia.

2014 Antigone One Health Workshop Featured Speaker. Bonn, Germany.

2013 Max Planck Institute IX Göttinger Freilandtage: The Sociality-Health-Fitness Link Keynote Speaker. Göttingen, Germany.

2013 Northern Illinois University Presidential Seminar Series Speaker. Dekalb, Illinois.

2012 XVII Chilean Congress of Veterinary Medicine Keynote Speaker. Valdivia, Chile.

2008 – 2011 Named Emory Global Health Institute Faculty of Distinction.

2010 2009-2010 Graduate Student Invited Speaker, Duke University Program in Ecology. Durham, North Carolina.

2010 33rd Annual Meeting of the American Society of Primatologists Featured Interdisciplinary Speaker. Louisville, Kentucky.

2009 Named US Environmental Protection Agency Distinguished STAR Fellow.

2009 Selected as 3rd Annual Darwin Keynote Speaker, Indiana State University, Department of Biology (Declined Invitation).

2009 Selected as 2009 American Society of Parasitologists Graduate Student-Invited Speaker, American Society of Parasitologists' Annual Meeting (Declined Invitation).

2008 Baltic 21 Expert Speaker on Ecosystem Health and Sustainable Agriculture. United Nations Commission on Development. United Nations Headquarters, New York.

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| 2008 | American Society of Parasitologists Graduate Student-Invited Speaker, American Society of Parasitologists' Annual Meeting, Merida, Mexico. |
| 2008 | Selected as Keynote Speaker for the Annual Meeting of the Mexican Society of Primatologists, Veracruz, Mexico (Declined Invitation). |
| 2004 | Student Paper Competition Finalist, Society for Conservation Biology 18th Annual Meeting, Columbia University, New York. |
| 2001-2004 | Environmental Protection Agency (EPA), Science to Achieve Results [EPA STAR] Dissertation Fellow. |
| 2001 | Selected as Fulbright Graduate Fellow (Declined Funding). |
| 1997-2000 | University of Florida College of Liberal Arts & Sciences Fellow. |
| 1998 & 1999 | National Science Foundation Graduate Fellowship, Honorable Mention. |
| 1999 | Student Paper Competition Honorable Mention, Society for Conservation Biology 13th Annual Meeting, University of Maryland. |
| 1992 | Northern Illinois Academic-Industrial Consortium Fellow. |
| 1992 | Illinois State Senate General Assembly Merit Scholar. |

Appointments

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| 2020– Present | External Expert, United Nations High Level Policy Forum on Sustainable Development (HLPF). |
| 2020– Present | Union for the Conservation of Nature (IUCN) Task Force on Wildlife and COVID-19. |
| 2020– Present | Non-Human Primate COVID-19 Information Hub Working Group. IUCN / Arcus Foundation Collaborative Effort. |
| 2019 – Present | Section for Human-Primate Interactions, Primate Specialist Group, Species Survival Commission of the Union for the Conservation of Nature (IUCN). |
| 2013 – Present | Section for Great Apes, Primate Specialist Group, Species Survival Commission of the International Union for the Conservation of Nature (IUCN). |
| 2010 – Present | Advisory Board, Centre Val Bio, Madagascar (http://icte.bio.sunysb.edu/index_files/ictecvb.htm). Other members of this 10-member board include Drs. Patricia Wright, Thomas Lovejoy, Stuart Pimm, Mark Krasnow, and Steig Johnson. |
| 2014 – Present | Board of Directors, PIVOT (www.pivotworks.org), Other members of this 12-member board include Paul Farmer, Edward Norton, Michael Rich, Manu Prakash, and Patricia Wright. |

2017 – Present Scientific Advisory Board, Primate Microbiome Project.
<http://www.primatemicrobiome.org/>

2014 – 2016 National Socio-Environmental Synthesis Center (SESYNC) Working Group on Land Use Change and Infectious Diseases.

2014 – 2016 Emory Ebola Advisory Task Force.

2012 – 2014 National Center for Ecological Analysis and Synthesis (NCEAS) Working Group on Land Use Change and Infectious Diseases.

2009 – 2014 Guest Researcher, Center for Disease Control and Prevention (CDC).

2008 – 2014 Honorary Lecturer, Faculty of Veterinary Medicine, Makerere University, Kampala, Uganda.

2007 – 2013 Graduate Faculty, Purdue University, West Lafayette, Indiana.

2008 – 2012 National Academy of Science / UNESCO DIVERSITAS ecoHEALTH Working Group.

2007 – 2011 Scientific Advisory Board, Morris Animal Foundation (<http://www.morrisanimalfoundation.org/>), world's leading funder of wildlife health research.

2004 – 2009 Max Planck Institute for Evolutionary Anthropology Great Ape Health Monitoring Unit (GAHMU).

2002 Project Manager, University of Oregon Primate Ecology and Conservation Research Program, Kibale National Park, Uganda.

2000- 2004 Biological Consultant, British Broadcasting Corporation Natural History Unit (Contributed to Life of Mammals and Wild Africa Series).

2001 – 2004 National Steering Committee, Human Rights and Environment Program, Amnesty International.

1996 – 1997 Project Manager, Environmental Education Program of Amazonian Peru (Worked with students from Universidad Nacional de la Amazonia Peruana to develop and establish a semi-autonomous environmental education program for school system of Iquitos, Peru).

1994 – 1996 Co-Coordinator, University of Illinois Environmental Education Program (Provided more than 50 presentations at Illinois schools [grades 2-12] on geography, ecology, biodiversity, conservation, and sustainable use of tropical rainforests and trained 16 new presenters).

1994 Staff archaeologist, Public Service Archaeology Project, Sites throughout Illinois, Missouri, and Iowa (I, II, and III phase field archaeology).

Professional Presentations

Invited Addresses

- 2021 Aug A Novel Non-Invasive Assay of Immunity for Wild Primates. Invited Symposium on Conservation Technology and Policy. Joint Meeting of the International Primatological Society and the Latin American Society of Primatologists. Quito, Ecuador (Scheduled).
- 2021 Aug Parasite infections reveal costs and benefits of social behavior in a community of wild chimpanzees. Invited Symposium on Sociality and Health in Primates. Joint Meeting of the International Primatological Society and the Latin American Society of Primatologists. Quito, Ecuador (Scheduled).
- 2021 Feb Keynote Speaker. The Ecology of Infection: Zoonotic Transmission at the Anthropogenic Interface. Disease Ecology Symposium. Bangkok, Thailand (Scheduled).
- 2020 June Featured Speaker. Cercopithecines, People and Covid-19. IUCN Primate Specialist Group, Oxford, UK. (held virtually).
- 2020 June Featured Speaker. Preventing the Next Pandemic. World Affairs Council of Oregon, Portland, Oregon. (held virtually).
- 2020 April Featured Speaker. Conservation X Labs Ideathon. Earth Optimism Summit. Smithsonian Institution. Washington, D.C. (held virtually).
- 2020 April Featured Speaker. #GLFLive: World Health Day. Global Landscapes Forum, Bonn, Germany (held virtually).
- 2020 April Featured Speaker. COVID-19 and Primates. African Primatological Society. Abidjan, Côte d'Ivoire. (held virtually).
- 2020 April From Pathogenesis to Pandemic: COVID-19 and One Health. MD 920 Lecture Series. Emory University School of Medicine. Atlanta, USA (held virtually).
- 2020 March Featured Speaker. State of the Apes: Disease and Ape Conservation. Arcus Foundation Stakeholder Meeting. Kampala, Uganda (held virtually).
- 2019 Oct Keynote Speaker and Chair. Ecological and Anthropogenic Drivers of Zoonotic Disease Transmission in Primates. France-Atlanta Symposium: Biodiversity and Health. Atlanta, USA
- 2019 Oct One Planet - One Health - One Future Summit, German Federal Foreign Building, Berlin, Germany (Discussant).
- 2019 Oct Healthy Planet, Healthy People Dialogue hosted by the University of Oxford and the London School of Hygiene and Tropical Medicine, Museum für Naturkunde, Berlin, Germany (Discussant).
- 2019 Oct The Ecology of Infection: Zoonotic Transmission at the Anthropogenic Interface. Planetary Health and Infectious Diseases Seminar Series, Emory University, Atlanta, USA.

- 2019 Sept Interdisciplinary Science Solutions to Global Challenges. Jane Goodall Institute National Youth Leadership Summit. Atlanta, USA.
- 2019 Aug Best Practices for Health Monitoring and Disease Control in Wild Primate Populations. 4th Field Course in Primate Ecology, Behavior, and Conservation: 50 Years of Primate Studies in Manu National Park. Cocha Cashu Biological Field Station, Peru.
- 2019 Aug Plenary Speaker. Understanding the Ecology of Primate Infectious Diseases to Promote Biodiversity Conservation and Global Health. 2nd Congress of the Peruvian Association of Primatology. Lima, Peru.
- 2019 Aug Lead. A One Health Approaches for Primate Conservation Training Workshop. The Peruvian Association of Primatology. Lima, Peru.
- 2019 July Disease and Conservation: A Tale of Vectors, Spill-Over and Invasive Species. Invited Symposium on Conservation in Madagascar: Threats and Opportunities. 56th Annual Meeting of the Association for Tropical Biology and Conservation, Antananarivo, Madagascar.
- 2019 July Specific Human Behaviors and Animal Associations Affect the Risk of Diarrheal Disease at the Zoonotic Interface of a Biodiverse Tropical Forest Ecosystems. Invited Symposium on the Interplay of Infectious Disease and Biodiversity Conservation. 56th Annual Meeting of the Association for Tropical Biology and Conservation, Antananarivo, Madagascar.
- 2019 March The Ecology of Infection: Zoonotic Transmission at the Anthropogenic Interface. Emory Students for One Health General Body Meeting. Rollins School of Public Health. Atlanta, Georgia.
- 2018 Oct Colloquium Speaker. The Ecology of Infection: Zoonotic Transmission at the Anthropogenic Interface. Emory University Emeritus College. Atlanta, Georgia.
- 2018 July Lead. Ape Health Monitoring and Parasitology Training Workshop. Wildlife Conservation Society, Bomassa, Republic of Congo.
- 2018 June Co-Lead. Boundary Spanning: Advances in Socio-Environmental Systems Research International Symposium. SESYNC. Annapolis, Maryland.
- 2018 May Plenary Speaker. Effective Integration of Human Healthcare and Ecosystem Conservation for the Greater Ranomafana Ecosystem, Madagascar. Madagascar: A Crucible for Science, Health and the Environment II. Ranomafana, Madagascar.
- 2018 April Keynote Speaker. Uniting Infection Biology for One Health. University of Illinois Sesquicentennial Celebration. Champaign-Urbana, Illinois.
- 2018 Feb Seminar Speaker. Effective Integration of Human Healthcare and Ecosystem Conservation for the Greater Ranomafana Ecosystem, Madagascar. Institute for the Conservation of Tropical Ecosystems (ICTE), Stony Brook University, New York.
- 2017 Sept Plenary Speaker. The Ecology of Infection: Zoonotic Transmission at the Anthropogenic Interface. 1st Congress of The Peruvian Association of Primatology. Piura, Peru.

- 2017 Sept Seminar Speaker. The Ecology of Infection: Zoonotic Transmission at the Anthropogenic Interface. Department of Ecology, Evolution and Environmental Sciences, Columbia University. New York, New York.
- 2017 May Colloquium Series Speaker. The Ecology of Infection: Zoonotic Transmission at the Human-Livestock-Wildlife Interface. University of Minnesota College of Veterinary Medicine. St. Paul, Minnesota.
- 2017 April Seminar Speaker. The Ecology of Infection: Zoonotic Transmission at the Human-Livestock-Wildlife Interface. Faculty of Biology, Universidad Nacional del Nordeste: Corrientes, Argentina.
- 2017 March Colloquium Series Speaker. The Ecology of Infection: Zoonotic Transmission at the Human-Livestock-Wildlife Interface. Arizona State University, School of Human Evolution and Social Change. Tempe, Arizona.
- 2017 March Seminar Speaker. The Ecology of Infection: Zoonotic Transmission at the Human-Livestock-Wildlife Interface. Department of Ecology and Evolution, Stony Brook University. Stony Brook, New York.
- 2017 Feb Plenary Speaker. Environmental drivers of infectious disease in Madagascar. Madagascar: A Crucible for Science, Health and the Environment. Stanford University, Palo Alto.
- 2016 Dec Spillover Of Antimicrobial Resistance In The Greater Gombe Ecosystem, Tanzania: A Threat To Chimpanzees? Invited Symposium on Antimicrobial Resistance - An Emerging Disease Problem. One Health EcoHealth 2016. Melbourne, Australia.
- 2016 Aug Human-Associated Fomites and Disease Transmission Risk for Wild Primates. Invited Roundtable on Plastic Pollution and Primate Health. International Primatological Society 26th Congress, Chicago, USA.
- 2016 Aug Crop-Raiding and the Potential for Pathogen Exchange Among Wild Primates, People, and Domesticated Animals at the Forest-Agricultural Ecotone. Invited Symposium on Resource Provisioning and Wildlife-Pathogen Interactions in Human-Altered Landscapes. 101st Annual Meeting of the Ecological Society of America, Fort Lauderdale, USA.
- 2016 June Effective Integration of Human Healthcare and Ecosystem Conservation for the Greater Ranomafana Ecosystem, Madagascar. Invited Symposium on Integrating Human Needs with Ecosystem Conservation in Madagascar. 53rd Annual Meeting of the Association for Tropical Biology and Conservation, Montpellier, France.
- 2016 March Seminar Speaker. Zoonotic Transmission of Parasitic and Bacterial Enterics at the Human-Livestock-Wildlife Interface. Faculty of Veterinary Medicine, Universidad Nacional del Nordeste: Corrientes, Argentina.
- 2015 Nov Keynote Speaker, Understanding the Ecology of Primate Infectious Diseases to Promote Biodiversity Conservation and Global Health, 2nd International Conference on One Health: Kampala, Uganda.

- 2015 Nov Keynote Speaker, Ecological and anthropogenic drivers of zoonotic disease transmission in primates. 28th Annual Meeting of the Argentine Society of Mammologists, Santa Fe, Argentina.
- 2015 Nov Zoonotic Transmission of Parasitic and Bacterial Enterics at the Human-Livestock-Wildlife Interface in the Greater Gombe Ecosystem, Tanzania. Invited Symposium on Disease Ecology of Forest Mammals. 28th Annual Meeting of the Argentine Society of Mammologists, Santa Fe, Argentina.
- 2015 Oct Keynote Speaker, One Health: Integrating Human, Animal and Environmental Health, World Health Summit: Berlin, Germany.
- 2015 Aug Global positioning system data-loggers: a tool to quantify fine-scale movement of domestic animals to evaluate potential for zoonotic transmission to an endangered wildlife population. Invited Symposium on New Technologies for Conservation. 27th International Congress for Conservation Biology, Montpellier, France.
- 2015 May Keynote Speaker, Zoonotic transmission of parasitic and bacterial enterics at the human-livestock-wildlife interface. 13th Annual Conference on Ecology and Evolution of Infectious Diseases. Athens, Georgia.
- 2015 March The Interface of Disease Ecology and Tibetan Medicine. Men-Tsee-Kang Medical School, Dharamsala, India.
- 2014 Sept Featured Speaker, Integrated Chimpanzee (*Pan troglodytes*) and Ecosystem Health in the Greater Gombe Ecosystem, Tanzania. 37th Annual Meeting of the American Society of Primatologists. Decatur, Georgia.
- 2014 Sept Featured Speaker, The Ecology of Infection: Zoonotic Transmission at the Human-Livestock-Wildlife Interface. Antigone One Health Workshop, Bonn, Germany.
- 2014 July Seminar Speaker. The Ecology of Infection: Zoonotic Exchange Among People, Primates, and Livestock School of Veterinary Science, University of Queensland, Brisbane, Australia.
- 2014 June Keynote Speaker: Ecological and Anthropogenic Drivers of Zoonotic Disease Transmission in Primates. International Congress on Primate Disease. Czech Academy of Science. Brno, Czech Republic.
- 2014 June Epidemiology of Pathogenic Enterobacteria in Humans, Livestock, and Peridomestic Rodents in Rural Madagascar. Pasteur Institute, Antananarivo, Madagascar.
- 2013 Dec Keynote Speaker: Ecological and Social Drivers of Zoonotic Disease Transmission and Emergence. IX Göttinger Freilandtage: The Sociality-Health-Fitness Link. Max Planck Institute, Göttingen, Germany.
- 2013 Sept Seminar Speaker. Health and the Future of the Gombe Chimpanzees: Eco-Epidemiology of Zoonotic Disease. Department of Evolutionary Anthropology, Duke University.

- 2013 Sept Presidential Seminar Series: Understanding the Ecology of Primate Infectious Diseases to Promote Biodiversity Conservation and Global Health, Northern Illinois University, Dekalb, Illinois.
- 2013 May Eco-Epidemiology of Zoonotic Diarrheal Disease in the Greater Ranomafana Ecosystem, Madagascar. Institute Pasteur – Centre Valbio Joint Workshop on Infectious Disease in Madagascar, Centre Valbio, Madagascar.
- 2013 April Eco-Epidemiology of Zoonotic Diarrheal Disease in the Greater Ranomafana Ecosystem, Madagascar. Stony Brook University, New York.
- 2013 Feb Health and the Future of the Gombe Chimpanzees. Gombe Summit, Duke University, Durham, North Carolina.
- 2012 Dec Disease Ecology of Zoonotic Diarrheal Disease in the Greater Ranomafana Ecosystem, Madagascar. Centre Valbio Board Meeting, New York City.
- 2012 Nov Keynote Speaker, The Ecology of Infection: Zoonotic Exchange Among People, Primates, and Livestock. XVII Chilean Congress of Veterinary Medicine. Valdivia, Chile.
- 2012 Nov Eco-Epidemiology of *Cryptosporidium* Transmission in Relation to Chimpanzee Health in the Greater Gombe Ecosystem, Tanzania. University of Minnesota, Minneapolis-St. Paul.
- 2012 Nov Risks of Zoonotic Transmission Among Mountain Gorillas, Livestock, and People in Relation to Karisoke, Rwanda. Dian Fossey Fund International, Atlanta.
- 2012 Sept Eco-Epidemiology of Zoonotic Diarrheal Disease in the Greater Ranomafana Ecosystem, Madagascar. Harvard University School of Medicine, Boston.
- 2012 Aug If You're Comfortable, You're Not Doing Conservation, Special Session in honor of the International Society of Primatology Lifetime Achievement Award for John Oates. International Primatological Society 24th Congress, Cancun, Mexico.
- 2012 July The Ecology of Infection: Zoonotic Exchange Among People, Primates, and Livestock. Institute of Virology, School of Medicine, University of Bonn, Bonn, Germany.
- 2012 April Disease Ecology of the Greater Ranomafana Ecosystem, Madagascar. University of Antananarivo, Antananarivo, Madagascar.
- 2012 April Disease Ecology of the Greater Ranomafana Ecosystem, Madagascar. University of Mahajanga, Mahajanga, Madagascar.
- 2012 Feb The Ecology of Infection: Zoonotic Exchange Among People, Primates, and Livestock. PBEE Seminar Series, Emory University, Atlanta.
- 2011 Sept The Ecology of Infection: Zoonotic Exchange Among People, Primates, and Livestock. Warnell School of Forestry and Natural Resources, University of Georgia, Athens.

- 2011 Sept Effects of Logging on Tropical Biodiversity. Department of Earth and Atmospheric Science, Georgia Tech University, Atlanta.
- 2011 June The epidemiology of *Cryptosporidium* sp. in the Gombe Stream Ecosystem, Tanzania. Special Session on Impact of real-time stressors on long-term resilience of tropical rainforests. 48th Annual Meeting of the Association for Tropical Biology and Conservation. Arusha, Tanzania (Symposium Co-Organizer and Chair).
- 2011 Feb The ecology of infection: zoonotic exchange among people, primates, and livestock. Program in Population Biology, Ecology and Evolution, Emory University, Atlanta.
- 2010 Oct The ecology of infection: zoonotic exchange among people, primates, and livestock. Joint invitation of Universidad del Rosario and Universidad Nacional de Colombia, Bogotá Colombia.
- 2010 Sept Parasitic threats to the great apes, Special Session on Great Ape Health sponsored by the International Union for the Conservation of Nature, International Primatological Society 23rd Congress Kyoto, Japan (Symposium Organizer and Chair).
- 2010 Sept The ecology of infection: zoonotic exchange among people, primates, and livestock. Department of Environmental Studies, Emory University, Atlanta.
- 2010 July Contrasting effects of a legacy of logging and active logging on patterns of parasitism in African ape populations. Food Security, Health, and the Environment Session sponsored by the International Development Research Centre. 47th Annual Meeting of the Association for Tropical Biology and Conservation. Bali, Indonesia.
- 2010 June The social context of interspecific primate pathogen exchange: implications for primate conservation and global health. Meeting-Wide Interdisciplinary Symposium (*no competing sessions*). 33rd Annual Meeting of the American Society of Primatologists, Louisville.
- 2010 May Wildlife Parasitology Workshop for Ugandan veterinarians and graduate students, Makerere University, Kampala, Uganda.
- 2010 April The ecology of infection: zoonotic exchange among people, primates, and livestock. 2009-10 Graduate Student-Invited Speaker, Ecology Program, Duke University, Durham.
- 2010 April Infectious diseases: the evolutionary impact on african primates and hominids, Turkana Basin Institute (Directed by Richard Leakey), Stony Brook University, New York.
- 2010 April Wildlife Disease Workshop for Tanzanian veterinarians and wildlife managers sponsored by US Fish and Wildlife. Co-taught with Andy Dobson (Princeton) and Dominic Travis (U of Minnesota). Lincoln Park Zoo, Chicago.
- 2010 Feb Diseases and Parasites of Wild Primates, European Union Primate Biology Workshop. Göttingen, Germany. Lecture available at: <http://www.euprim-net.eu/network/courses/course9.htm>.
- 2009 Sept Ethical Considerations for field-based investigations of primate disease. 32nd Annual Meeting of the American Society of Primatologists, San Diego.

- 2009 Aug Transmission of human parasites to wild great apes through environmental contamination. Great Ape Health Workshop, Entebbe, Uganda.
- 2009 Aug Logging creates unanticipated threat to ape health and conservation in Equatorial Africa. Great Ape Health Workshop: Entebbe, Uganda.
- 2009 April Primates at the nexus of biodiversity conservation and global health. Odum School of Ecology, University of Georgia, Athens.
- 2009 Jan Primates at the nexus of biodiversity conservation and global health. Robert Koch Institute, Berlin, Germany.
- 2008 Oct Eco-Epidemiology of Poxviruses in Uganda. Environmental and Occupational Health, Rollins School of Public Health, Emory University.
- 2008 Oct Primates at the Nexus of Biodiversity Conservation and Global Health. Anthropology, Emory University.
- 2008 Sept Primates at the Nexus of Biodiversity Conservation and Global Health. Population Biology, Ecology, and Evolution, Emory University.
- 2008 Sept Primates at the Nexus of Biodiversity Conservation and Global Health. Environmental Studies, Emory University.
- 2008 July Primates at the nexus of biodiversity conservation and global health. Society for Tropical Biology and Conservation Annual Meeting, Parimaribo, Suriname.
- 2008 June Integrative approaches to infectious disease and agriculture. Diversitas Ecohealth Working Group, US National Academy of Science / United Nations Environment Program, Tempe, Arizona.
- 2008 May Expert Speaker: representing the Council of Baltic Sea States on Ecosystem Health and Sustainable Agriculture. United Nations Commission on Development. United Nations Headquarters, New York.
- 2008 March The role of land-use change and human-wildlife linkages in disease emergence and ecosystem health. Global Health Institute, Emory University, Atlanta.
- 2008 Feb Primate Disease Workshop, University of Saskatoon Field Veterinary Program, Uganda.
- 2007 Nov The role of land-use change and human-wildlife linkages in disease emergence and ecosystem health. Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.
- 2007 Nov Featured Speaker: Primate Disease Workshop, European Union Primate Center, Gottengen, Germany. Lectures available online at: <http://www.euprim-net.eu/network/courses/course4.htm>
- 2007 Oct Defense Sciences Research Council Workshop, US Department of Defense, University of California, Santa Barbara.

- 2007 July Integrating Biodiversity and Health in Research, Education and Outreach. Biodiversity and Health Symposium, Society for Conservation Biology 21st Annual Meeting. Port Elizabeth, South Africa.
- 2007 June The ecology of zoonotic parasite transmission among wildlife, domestic animal, and human populations. American Society of Parasitologists Graduate Student-Invited Speaker, 1st North American Parasitology Congress. Merida, Mexico.
- 2007 Feb Biodiversity and health: integrating research, education, and outreach. Integrating Environment and Human Health: 7th National Conference on Science, Policy and the Environment, Washington, DC (Panel Member).
- 2006 Nov Preventing transmission of infectious diseases among wildlife, domestic animal, and human populations. Baltic University Programme / Great Lakes Program Curriculum in Sustainable Agriculture and Ecosystem Health Planning Meeting, Tallinn, Estonia.
- 2006 Oct Measuring the effects of parasitism and stress on the viability of primate populations. New Technologies in Field Primatology. Midwest Primate Interest Group 3rd Annual Meeting, University of Illinois (Panel Member).
- 2006 Sept Risk Management and Policy Workshop, US EPA Forum on Biodiversity and Health, Smithsonian Institution, Washington, D.C. (Discussant).
- 2006 Feb The role of land-use change and human-wildlife linkages in disease emergence and ecosystem health. Department of Anthropology, Washington University, St. Louis.
- 2005 Nov The role of land-use change and human-wildlife linkages in disease emergence and ecosystem health. Department of Anthropology, University of Illinois
- 2005 Nov The role of land-use change and human-wildlife linkages in disease emergence and ecosystem health. Department of Pathobiology, University of Illinois
- 2005 Sept Preventing transmission of infectious diseases among wildlife, domestic animal, and human populations. Baltic University Programme / Great Lakes Program Curriculum in Sustainable Agriculture and Ecosystem Health Planning Meeting, Kaunas, Lithuania.
- 2005 Aug Effects of anthropogenic disturbance on primate-pathogen dynamics. Department of Veterinary Pathobiology, University of Illinois.
- 2005 April Ecology and evolution of primate pathogens in fragmented African habitats. Department of Biology, University of Pennsylvania.
- 2004 Oct Problems in primate conservation. Midwest Primate Interest Group 1st Annual Meeting, University of Illinois (Symposium Chair).
- 2004 Sept Forest fragmentation, host-parasite dynamics, and the decline of an endangered African primate. Program in Ecology & Evolutionary Biology, U. of Illinois.
- 2004 July Forest fragmentation alters infection dynamics in African primate populations. Society for Conservation Biology 18th Annual Meeting, Columbia University, New York.

- 2004 May Anthropogenic disturbance and primate-parasite dynamics: Implications for primate health and conservation. Max Planck Institute, Liepzig, Germany.
- 2003 April Long-term effects of logging on gastrointestinal parasite dynamics in African primate communities. Dept. of Pathobiology, U. of Florida College of Vet. Medicine.
- 2003 March Impact of selective logging on parasite dynamics in African primate populations. Department of Zoology, University of Florida.
- 2002 July Effects of human disturbance on primate disease dynamics. Association for Tropical Biology Field Course, Makerere University Biological Field Station, Uganda.
- 2002 Feb Effects of human disturbance on primate disease ecology. Department of Zoology, Makerere University, Uganda.
- 2002 Jan Effects of human disturbance on primate disease dynamics. Dept. of Pathobiology, U. of Florida College of Veterinary Medicine.
- 2000 Sept Ethnobotany and zoopharmacognosy of an antiparasitic agent used by humans and the red colobus monkey: preliminary findings. Center for African Studies, University of Florida.
- 2000 June Effects of human disturbance on primate disease ecology. Smithsonian Field Course in Tropical Conservation, Makerere University Biological Field Station, Uganda.
- 2000 April Determinants of Group Size in the red colobus monkey (*Procolobus badius*). Zoology Graduate Research Symposium, University of Florida.
- 2000 March The Role of Human Rights in Tropical Conservation Center for Tropical Conservation and Development, U. of Florida.
- 1999 March Long-term effects of logging on African primate communities: A 28-year comparison from Kibale National Park, Uganda Department of Zoology, University of Florida.
- 1998 Oct Long-term effects of logging on African primate communities: A 28-year comparison from Kibale National Park, Uganda Center for Tropical Conservation and Development, U. of Florida.

Contributed Presentations

- 2017 June Sociality and Infection Dynamics in a Community of Wild Chimpanzees. 15th Ecology and Evolution of Infectious Disease Meeting, Santa Barbara, California.
- 2015 Aug Integrated Chimpanzee (*Pan troglodytes*) and Ecosystem Health in the Greater Gombe Ecosystem, Tanzania. 6th European Federation for Primatology Meeting, Rome, Italy.
- 2014 Aug Identifying Hotspots for Zoonotic Transmission: Quantifying Fine-Scale Movement of Domesticated Animals Relative to Chimpanzees at Gombe Stream National Park, Tanzania. International Primatological Society 25th Congress, Hanoi, Vietnam.

- 2014 Aug Pathogenic Enterobacteria Associated with Anthropogenic Disturbance in Lemur Community at Ranomafana National Park, Madagascar. International Primatological Society 25th Congress, Hanoi, Vietnam.
- 2012 Aug Eco-Epidemiology of *Cryptosporidium* Transmission in Relation to Chimpanzee Health in the Greater Gombe Ecosystem, Tanzania. International Primatological Society 24th Congress, Cancun, Mexico.
- 2012 July Eco-Epidemiology of *Cryptosporidium* Transmission in Relation to Chimpanzee Health in the Greater Gombe Ecosystem, Tanzania. 61st International Wildlife Disease Association Conference, Lyon, France.
- 2010 Nov Anthropogenic Disturbance Increases Prevalence of Pathogenic Protozoa in Wild Rodent Reservoirs in Uganda. 59th Annual Meeting of the American Society of Tropical Medicine and Hygiene. Atlanta, Georgia.
- 2010 June Contrasting effects of a legacy of logging and active logging on patterns of parasitism in African ape populations, 59th Annual Meeting of the Wildlife Diseases Association. Iguazú, Argentina.
- 2009 Sept Logging creates unanticipated threat to ape health and conservation in Equatorial Africa. 32nd Annual Meeting of the American Society of Primatologists, San Diego.
- 2009 July Logging creates unanticipated threat to ape health and conservation in Equatorial Africa. 23rd Annual Meeting of the Society for Conservation Biology: Beijing, China.
- 2009 April Logging Creates Unanticipated Threat to Ape Health and Conservation in Equatorial Africa, Exploring the dynamic relationship between health. American Museum of Natural History, New York.
- 2008 Dec Eco-Epidemiology of Orthopoxviruses in Uganda, International Forum on EcoHealth: Merida, Mexico.
- 2008 Aug Therapeutic self-medication by free-ranging red colobus monkeys. International Primatological Society 22th Congress, Edinburgh, Scotland.
- 2008 Aug The Kibale EcoHealth Project: bridging conservation and health. International Primatological Society 22th Congress, Edinburgh, Scotland.
- 2007 Nov Monkeypox in Uganda. Poxviruses Symposium, 5th International Conference on Emerging Zoonoses, Limassol, Cyprus.
- 2006 Oct The Earth and Society Initiative in Disease Emergence and Ecosystem Health. EcoHealth One, University of Wisconsin, Madison.
- 2006 June Non-invasive methods for the assessment of gastrointestinal parasites in free-ranging primates. International Primatological Society 21th Congress, Entebbe, Uganda.
- 2004 Aug Forest fragmentation, host-parasite dynamics, and the decline of an endangered African primate. International Primatological Society 20th Congress, Torino, Italy.

- 2004 Aug Behavioral responses of red colobus monkeys to parasitic infection and elevated infection risk. International Primatological Society 20th Congress, Torino, Italy.
- 2003 Aug Long-term effects of logging on parasite dynamics in African primate populations. 52nd Annual Wildlife Disease Association Conference, Saskatoon, Canada.
- 2003 July Impact of logging-induced ecological change on disease dynamics in African forest primates. 26th Annual Meeting of the American Society of Primatologists, Calgary, Canada.
- 2003 May Effects of selective logging on parasite infection prevalence and infection risk in African forest primates. Poster, 41st International Symposium on Diseases of Zoo and Wild Animals, Rome, Italy.
- 2000 April Determinants of Group Size in the red colobus monkey (*Procolobus badius*). Joint Meeting of the British Ecological Society and the Ecological Society of America, Orlando.
- 1999 Aug Determinants of Group Size in the red colobus monkey (*Procolobus badius*). American Society of Primatologists 22nd Annual Meeting, New Orleans.
- 1999 June Long-term effects of logging on African primate communities: A 28-year comparison from Kibale National Park, Uganda Society for Conservation Biology 13th Annual Meeting, University of Maryland (Student Paper Competition Honorable Mention).

Teaching and Mentoring

Courses Taught

- **Ecology and Evolution of Disease.** (ENVS 359/559, Emory University). Gillespie developed this upper-level undergraduate lecture and discussion-based course (359) and has taught it annually 2009 – Present. He developed the associated graduate course (559) and has taught it annually 2015 – Present.
- **Conservation Biology.** (ENVS 345/545/BIOL 345, Emory University). Gillespie has taught this upper-level undergraduate lecture and discussion-based course (345) annually 2009 – Present. He developed the associated graduate course (559) and has taught it annually 2015 – Present.
- **Laboratory Research Rotation.** (PBEE 597, Emory University). 2009 – Present.
- **Fundamentals of Environmental Science Research.** (ENVS 299, Emory University): Gillespie helped to develop this course as part of a guided research track for undergraduates and has mentored multiple student per semester in this course 2010 – Present.
- **Introduction to Independent Research.** (ENVS 399, Emory University): Gillespie helped to develop this course as part of a guided research track for undergraduates and has mentored multiple student per semester in this course 2010 – Present.
- **Individual Research.** (ENVS 499, Emory University): Gillespie helped to develop this course as part of a guided research track for undergraduates and has mentored multiple student per semester in this course 2010 – Present.
- **Infectious Diseases in Primates: Ecology, Evolution, and Conservation.** (ENVS 389/589, Emory University). Gillespie developed this upper-level undergraduate / graduate seminar course and has taught it in 2011, 2014, and 2016.

- **Advanced Topics in Population Biology, Ecology and Evolution: Ecological Parasitology.** (IBS 796, Emory University). Gillespie co-developed this graduate seminar course for the Program in Population Biology, Ecology, and Evolutionary Biology Course with Uriel Kitron and has taught it in 2009 and 2015.
- **Eating in Captivity: An Evolutionary Perspective on Human Diet and Health.** (ENVS 389, Emory University). Gillespie developed this upper-level undergraduate seminar course and taught it in 2015.
- **Ecology.** (IBS 595, Emory University): Gillespie provided several lectures for this Program in Population Biology, Ecology, and Evolutionary Biology Course in 2011 and 2013.
- **Forests and Humans: From the Midwest to Madagascar.** (Coursera Course Lecturer, U. of Wisconsin, Madison). Fall 2016. <https://www.coursera.org/course/forestshumans>
- **Ebola Virus Disease: An Evolving Epidemic.** (Coursera Course Lecturer, Emory U.). Spring 2015. <https://www.coursera.org/course/ebola>
- **European Union Primate Disease Course.** Veterinary and Pharmaceutical University, Brno, Czech Republic. Summer 2014.
- **Infectious Diseases in Primates: Ecology, Evolution, and Conservation.** (ANTH 515, University of Illinois): 2007.
- **Evolution and Human Disease.** (ANTH 249, University of Illinois): 2006 – 2007. Fulfilled Undergraduate Science Requirement.
- **Veterinary Parasitology.** (PATH 633, University of Illinois): 2006 – 2007. Core Curriculum in Veterinary Medicine.
- **Conservation Medicine and Ecosystem Health** (PATH 640, University of Illinois): 2005 – 2007.
- **Field Veterinary Medicine** (PATH 620, University of Florida): 2004. Study Abroad Course in Uganda.

Mentees

Gillespie is primary advisor unless otherwise noted.

**International research experience under Gillespie's guidance.*

Post-Doctoral Fellows

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| 2020 – Present | *Adelaide Miarinjara PhD. Branco Weiss Fellow. |
| 2017 – 2018 | Martin Kowalewski PhD. Fulbright Scholar. Current Position: Director of the Corrientes Biological Research Center and CONICET Investigator, Corrientes, Argentina. |
| 2016 – 2017 | *Ria Ghai PhD. Current Position: Research Scientist, One Health Office, US Centers for Disease Control and Prevention. |
| 2014 – 2016 | *Cassidy Rist DVM, MPH. Current Position: Assistant Professor, Virginia-Maryland College of Veterinary Medicine. |
| 2012 – 2015 | *Sarah Zohdy PhD. Current Position: Assistant Professor, Auburn University. |
| 2011 – 2014 | *Winnie Eckardt PhD. Current Position: Senior Scientist, Dian Fossey Fund International, Rwanda. |

- 2011 – 2013 Julie Clennon PhD. Current Position: Research Professor, Rollins School of Public Health. Gillespie Secondary Mentor, (Primary Mentor Lance Waller).
- 2010 – 2012 Gonzalo Vazquez-Prokopec PhD. Current Position: Associate Professor, Emory University. Gillespie was Secondary Mentor, (Primary Mentor Uriel Kitron).
- 2008 – 2011 *Innocent Rwego DVM, PhD. Current Position: Associate Professor, University of Minnesota College of Veterinary Medicine.
- 2007 – 2009 *Martin Kowalewski PhD. Current Position: Director of the Corrientes Biological Research Center and CONICET Investigator, Corrientes, Argentina.
- 2007 – 2009 *Sandra Junglen PhD. Current Position: Research Group Leader, Tropical Arboviruses, Charite Research Hospital, Berlin, Germany.

Doctoral Advisees

- 2018 – Present *Marissa Milstein DVM, Veterinary Medicine. University of Minnesota (Committee Member).
- 2018 – Present *Mariah Donohue MSc, Biology, University of Kentucky (Committee Member).
- 2016 – Present *Amanda Vicente MSc, Population Biology, Ecology and Evolutionary Biology, Emory University. Fulbright Scholar. (Primary Advisor).
- 2016 – Present Nelson Galvis, Biology, Universidad de Los Andes, Colombia (Committee Member).
- 2018 – 2019 Kathleen Barnett, Population Biology, Ecology and Evolutionary Biology, Emory University (Rotation Student).
- 2017 – 2018 Kelsey Shaw DVM, Population Biology, Ecology and Evolutionary Biology, Emory University (Rotation Student).
- 2016 – 2017 Daniel Desautels, Population Biology, Ecology and Evolutionary Biology, Emory University (Rotation Student).
- 2015 – 2016 Kathryn Schaber PhD, Population Biology, Ecology and Evolutionary Biology, Emory University (Rotation Student).
- 2014– 2016 Joseph McMillan PhD, Population Biology, Ecology and Evolutionary Biology, Emory University (Qualifying Exam Committee Member).
- 2010 – 2015 *Michele Parsons PhD, Population Biology, Ecology and Evolution, Emory University. Dissertation: Effects of Anthropogenic Disturbance on Zoonotic Pathogen Transmission in People, Wild Primates, and Domesticated Animals in the Greater Gombe Ecosystem, Tanzania. (Primary Advisor).
- 2010 – 2015 *Amanda Jo Williams PhD, Population Biology, Ecology and Evolution, Emory University. Dissertation: Bacterial Community Ecology of the Lone Star Tick (*Amblyomma americanum*). (Primary Advisor).
- 2008 – 2015 *Rodolfo Martinez-Mota PhD, Anthropology, University of Illinois. Dissertation: The effects of habitat disturbance, host traits, and host physiology on patterns of gastrointestinal parasite infection in black howler monkeys (*Alouatta pigra*) (Committee Member).

- 2011 – 2015 *Tiffany Wolfe DVM, PhD, Epidemiology, University of Minnesota. Dissertation: Respiratory Disease in Chimpanzees of Gombe Stream National Park, Tanzania: Advancing Noninvasive Methods in Epidemiology (Committee Member).
- 2011 – 2015 Sarah Guagliardo MPH, PhD, Population Biology, Ecology and Evolution, Emory University. (Qualifying Exam Committee Member).
- 2008 – 2014 *Johanna Salzer DVM, PhD, Population Biology, Ecology and Evolution, Emory University. Dissertation: Applying Ecological Theory to Understand Biological Diversity, Anthropogenic Disturbance, and Disease among Terrestrial Small Mammals in Western Uganda. (Primary Advisor).
- 2009 – 2014 Rebecca Levine MPH, PhD, Population Biology, Ecology and Evolution, Emory University (Qualifying Exam Committee Member).
- 2009 – 2014 Sonja Metzger DVM, PhD, Disease Ecology, Max Planck Institute, Leipzig, Germany. Dissertation: Demographic and Ecological Effects on Patterns of Parasitism in Western Chimpanzees (*Pan troglodytes verus*) in Tai National Park, Cote d'Ivoire. (Committee Member).
- 2009 – 2013 Jared Bakuza PhD, Tropical Medicine, University of Glasgow, Scotland. Dissertation: Epidemiology of *Schistosoma mansoni* infection in sympatric humans and non-human primates in the Gombe ecosystem Tanzania (Committee Member).
- 2007 – 2013 Brandi Wren PhD, Biological Anthropology, Purdue University. Dissertation: Behavioral Ecology of Primate-Parasite Interactions. (Committee Member).
- 2007 – 2011 Sara Martin PhD, Interdisciplinary Anthropology, Stony Brook University. Dissertation: Behavioral and Environmental Correlates of Parasite Burden in *Eulemur cinereiceps* from Southeastern Madagascar. (Committee Member).
- Masters Advisees*
- 2019 – Present *Caroline Olson, MPH: Environmental Health, Emory University
- 2019 – Present *Kacy Nowak, MPH: Global Health, Emory University (Practicum Advisor, Costa Rica).
- 2018 – Present *Emily Strahan, MS: Environmental Sciences, Emory University. Thesis: A cross-comparison of enteric pathogen prevalence and patterns of infection within and between wild-living Cross River gorillas (*Gorilla gorilla diehli*) and eastern chimpanzees (*Pan troglodytes schweinfurthii*). (Primary Advisor).
- 2017 – 2019 *Miranda Mitchell, MPH: Environmental Health, Emory University. Thesis: Transmission dynamics of *Bartonella* spp. in cave-dwelling bats and bat flies in Costa Rica.
- 2016 – 2018 *Sahana Kuthyar, MS: Environmental Sciences, Emory University. Thesis: Prevalence and distribution of *Giardia intestinalis* genotypes in black and gold howler monkeys, *Alouatta caraya*, in relation to interspecies overlap and inter-annual variability in northern Argentina.
- 2016 – 2018 *Sarah Durry, Masters in Development Practice, Emory University (Practicum Advisor, Madagascar).

- 2014– 2016 *Robert Giordano, MPH: Environmental Health, Emory University. Thesis: Socio-Economic Risk Factors of Pathogenic Enterobacteria Infection and Antibiotic Resistance in Ranomafana Commune, Madagascar.
- 2014– 2016 *Jessica Deere, MPH: Environmental Health, Emory University. Thesis: Cross-species Transmission Potential of *Entamoeba histolytica* among Humans, Chimpanzees, and Baboons in the Greater Gombe Ecosystem, Tanzania.
- 2014– 2016 *Tyrell Kahan DVM, Masters in Development Practice, Emory University (Practicum Advisor, Rwanda).
- 2014 – 2016 *Morika Hensley, MS: Environmental Sciences, Emory University (Committee Member).
- 2013 – 2015 *Katie Smith DVM, MPH: Environmental Health, Emory University. Thesis: The Interplay of Soil-Transmitted Helminth Infection, Stunting, Anemia, and Wealth in Ranomafana Commune, Ifanadiana District, Madagascar.
- 2012 – 2014 *Kristin Derfus, MPH: Global Environmental Health, Emory University. Thesis: Mosquito Prevalence and Malaria Risk in Relation to Land-Use Near Ranomafana National Park in Madagascar.
- 2012 – 2014 *Cassidy Rist, DVM, MPH: Epidemiology, Emory University (Practicum Advisor, Madagascar).
- 2012 – 2014 *Emily Headrick, MSN: Nell Hodgson Woodruff School of Nursing, Emory University (Practicum Advisor, Madagascar).
- 2011 – 2013. *Christopher Wegner, MPH: Environmental Health, Emory University. Thesis: Human and Animal Behaviors as Risk Factors for Diarrheal Disease in Rural Madagascar.
- 2011 – 2013 Ellen Dugan, MPH: Environmental Health, Emory University. Thesis: Molecular assay development: detecting pathogenic *Rickettsia* in the tick vector *Amblyomma americanum*.
- 2011 – 2013 Suraja Raj, MPH: Global Epidemiology, Emory University. Thesis: Intestinal Parasite Infections in the Human and Mountain Gorilla Populations of the Virunga Volcanoes Region. (Co-advisor with Christine Moe).
- 2011 – 2013 Barbora Kalousova MSc: Faculty of Science, Masaryk University, Brno, Czech Republic. (Committee Member).
- 2011 – 2013 *Rachel Kearns, MPH: Global Epidemiology, Emory University (Practicum Advisor, Madagascar).
- 2011 – 2013 Neia Prata, MPH: Global Epidemiology, Emory University (Practicum Advisor, laboratory-based).
- 2011 – 2013 *Morgan Mercer, Masters in Development Practice, Emory University (Practicum Advisor, Madagascar).
- 2011 – 2013 *Paul Thomas, Masters in Development Practice, Emory University (Practicum Advisor, Madagascar).
- 2010 – 2012 *Jonathan Bodager, MD, MPH: Environmental Health, Emory University. Thesis: Eco-epidemiology of diarrheal disease with an emphasis on *Cryptosporidium* in and around Ranomafana National Park, Madagascar.
- 2009 – 2011 Rachael Mbabazi, MS: Wildlife Veterinary Medicine, Makerere University, Uganda. (Innocent Rwego, Co-Advisor).

- 2009 – 2011 Julius Nyikirize, MS: Wildlife Veterinary Medicine, Makerere University, Uganda. (Innocent Rwego, Co-Advisor).
- 2008 – 2011 Sascha Knauf, MS: Disease Ecology, Robert Koch Institute, Berlin, Germany. (Committee Member).
- 2008 – 2010 Naomi Hauser, MD, MPH: Environmental Health, Emory University. Thesis: Agricultural practices are related to human helminth infection in Sub-Saharan Africa.
- 2008 – 2010 *Dylan Grippi, MS: Population Biology, Ecology and Evolution, Emory University (Committee Member).
- 2008 – 2010 *Sandra Ockers, MPH: Global Health, Emory University (Practicum Advisor, Uganda).
- 2007 – 2009 Tamarra Martz, MS: Environmental Studies, Antioch University (Committee Member).
- 2007 – 2009 *Goylette Chami MS, PhD: Environmental Economics, Cambridge University, UK, (Committee Member).
- 2005 – 2008 *Elizabeth Estoff, MS: Pathobiology, University of Illinois (Committee Member).

Veterinary Research Advisees

- 2017 – 2018 Marissa Milstein, University of Minnesota
- 2016 – 2017 *Jonathan Clayton, University of Minnesota
- 2008 – 2009 *Michelle Madonia, University of Illinois.
- 2008 – 2009 J. Charles Deutsch, University of Illinois.
- 2007 – 2009 *Elizabeth Falendysz, University of Wisconsin.
- 2007 – 2008 *Anna Czekala, University of Illinois.
- 2007 – 2008 Martha Low, University of Illinois.
- 2007 – 2008 *Annie Lo, University of Illinois.
- 2006 – 2007 *Abigail Mathewson, University of Illinois.
- 2006 – 2007 *Mary Lee, University of Illinois.
- 2005 – 2006 *Johanna Salzer, University of Illinois.
- 2004 – 2005 *Marisa Bezjian, University of Florida (E. Greiner, Co-Advisor).

Undergraduate Advisees

Honors Research

- 2016 – 2018 *Lydia Rautman, Environmental Sciences, Emory University. Effects of anthropogenic influence on patterns of infection with enteric zoonotic pathogens in brown mouse lemurs, *Microcebus rufus*, at Ranomafana National Park, Madagascar.
- 2017 – 2018 Alona Mostowy, Biology, Emory University. Size asymmetric competition among snail hosts influence infection dynamics of *Schistosoma mansoni* (Committee Member).

- 2017 – 2018 *Kathleen Noble, Princeton University. Co-infection dynamics between soil-transmitted helminths and diarrhea pathogens in Madagascar (Field Mentor).
- 2013 – 2015 Jasmine Hensley, Environmental Sciences, Emory University. *Cytauxzoon felis* dynamics in ticks and domestic cats in Northern and Central Georgia.
- 2012 – 2014 *Deema Elchoufi MD, Environmental Sciences, Emory University. Prevalence of antibiotic resistance in humans, wildlife, and livestock in and around Gombe National Park, Tanzania.
- 2012 – 2014 *Caroline Schwaner MS, Environmental Sciences, Emory University. Molecular characterization and zoonotic potential of *Cryptosporidium* species in free-ranging poultry in rural Madagascar.
- 2013 – 2014 Holly Bok, Environmental Sciences, Emory University. The effect of interspecific and intraspecific competition on floral fidelity in pollinator bee species (Committee Member).
- 2011 – 2013. *Ian Fried, Environmental Studies, Emory University. Effects of Diet on Patterns of Parasitism in Lemurs in Ranomafana National Park, Madagascar.
- 2011 – 2013 *Kristen Cross MD, PHD, Environmental Studies, Emory University. Covariates to Morbidity and Mortality Associated with *Streptococcus pneumoniae* Infection in Chimpanzees.
- 2010 – 2012 Jennifer Aronoff, Environmental Studies, Emory University. Parasitic Threats to the Critically Endangered Black Rhinoceros in Addo Elephant National Park, South Africa.
- 2009 – 2010 Kirsten Hesla, Environmental Studies, Emory University. Effect of bisphenol A exposure on development of metabolic syndrome (Committee Member).
- 2009 – 2010 Stephanie Chiang, Biology, Emory University. Specificity of the parasite Escovopsis among two sympatric species of *Cyphomyrmex* fungus growing ants (Committee Member).
- 2009 – 2010 Laura Darby Brown MS, Evolutionary Biology, Columbia University. Effects of Diamond and Gold Mining on Disease Transmission between Miners and Chimpanzees in Ecology and the Democratic Republic of Congo. (Committee Member).
- 2008 – 2009 Gillian Locascio, Environmental Studies, Emory University. Home Grown: Ngöbe Home Gardens in a Changing World (Committee Member).
- 2008 – 2009 Alexandra Kamins, Biology, Transfer of aphid secondary symbionts among sympatric insect communities and the effects of ingesting symbionts on ladybird beetles (Committee Member).
- 2006 – 2008 *Derek Meyer MD, Integrative Biology, University of Illinois, Gastrointestinal Parasites of Livestock Along a Forest-Agricultural Interface in Uganda: Implications for Zoonotic Exchange.

- 2006 – 2008 *Nora Prior PHD, Integrative Biology, University of Illinois, Self-medication by red colobus monkeys in Uganda.
- 2007 JoZalea Matias, Anthropology, University of Illinois. James Scholar Project: Anthropogenic disturbance and disease dynamics.
- 2007 *Goylette Chami PhD, Political Science, University of Illinois. James Scholar Project: Assessing the impact of water-bourne disease in rural Uganda.
- 2007 Roger Harty, Anthropology, University of Illinois. James Scholar Project: Evolution of Diabetes Mellitus.
- 2006 Valarie Mazzocco, Integrative Biology, University of Illinois, The Role of Leptin in the Evolution of Diabetes Mellitus. James Scholar Project.
- 2006 Karen Ruff, Anthropology, University of Illinois. James Scholar Project: Chronic Degenerative Diseases from an Evolutionary Perspective.
- 2006 Nadia Pandya, Integrative Biology, University of Illinois. James Scholar Project: Evaluation of the Hygiene Hypothesis.
- 2006 Mo Li, Anthropology, University of Illinois. James Scholar Project: Paleolithic Nutrition.

Non- Honors Directed Study

- 2019 – Present *Olivia Milloway, Environmental Sciences and Emory Scholars, Emory University. Effects of anthropogenic disturbance on the feeding ecology of the common vampire bats (*Desmodus rotundus*) in Costa Rica.
- 2019 – Present *Christie Jones, Biology and Environmental Sciences BS/MPH, Emory University. Land-use as a factor in the re-emergence of rabies in Costa Rica.
- 2019 – Present Nishant Satopathy, Biology, Emory University. Microscopy-based non-invasive health monitoring of great apes.
- 2018 – Present *Caroline Olson, Anthropology, Human Biology, and Environmental Sciences BS/MPH, Emory University. Metagenome-Wide Characterization of Antimicrobial Resistance in Rural Madagascar within a One Health Framework.
- 2018 – 2019 Meredith Starks, Environmental Sciences BS/MPH, Emory University. Molecular techniques for zoonotic enteric pathogens.
- 2017 – 2019 Paolo Mutia, Environmental Sciences, Emory University. Interspecies transmission dynamics of *Campylobacter* spp. in rural forested Madagascar.
- 2017 – 2018 Grace Chen, Undeclared, Emory University. Molecular techniques for zoonotic enteric pathogens.
- 2016 – 2018 *Miranda Mitchell, Environmental Sciences BS/MPH, Emory University. Transmission dynamics of *Bartonella* in cave-dwelling bats and bat flies across a land use gradient in Costa Rica.
- 2016 – 2017 Kayla Theilig, Environmental Sciences, Emory University. Behavioral ecology of captive sun bears at Zoo Atlanta.

- 2016 – 2017 John-Michael Roberts, Biology, Emory University. Molecular techniques for primate disease ecology.
- 2015 – 2017 Rebecca Upton, Environmental Sciences, Emory University. Project: Cooperative Behavior in Captive Elephants at Zoo Atlanta.
- 2014 – 2017 *Sahana Kuthyar, Environmental Sciences BS/MS, Emory University. Project: The distribution of genotypes of *Giardia intestinalis* in black and gold howler monkeys, *Alouatta caraya*, in Corrientes, Argentina.
- 2014 – 2017 *Gabriel Andrie, Environmental Sciences, Emory University. Project: Zoonotic Parasites of Mountain Gorillas in Rwanda.
- 2015 – 2016 Lydia Rautman, Environmental Sciences, Emory University. Project: Creating a Characteristic Profile of Primate-Associated Zoonotic Diseases.
- 2015 – 2016 Jamie Nadler, Environmental Sciences, Emory University. Project: Non-Invasive Diagnostics for Primate Parasitology.
- 2014 – 2016 *Leo Ragazzo, Environmental Sciences, Emory University. Project: Human-Lion Conflict and Zoonotic Potential in Uganda.
- 2014 – 2015 Zana Pouncey, Environmental Sciences, Emory University. Project: Ectoparasites of Lemurs.
- 2014 – 2015 Kyung Joon Park, Environmental Sciences, Emory University. Project: Ectoparasites of Lemurs.
- 2014 – 2015 *Martin Riu, Environmental Sciences, Emory University. Project: Efficacy of antibiotics in rural Madagascar.
- 2014 – 2015 Jalika Joyner, Environmental Sciences, Emory University. Project: Gastrointestinal Parasites of Gombe Chimpanzees.
- 2014 – 2015 Giselle De La Torre, Environmental Sciences, Emory University. Project: Gastrointestinal Parasites of Gombe Chimpanzees.
- 2013 – 2015 *Robert Giordano MPH, Environmental Sciences, Emory University. Project: Health assessment of the critically endangered Cross River Gorillas, Cameroon.
- 2013 – 2015 *Morika Hensley MS, Environmental Sciences, Emory University. Project: Perceptions of Human-Wildlife Conflict in Ladakh, India.
- 2013 – 2015 *Ashley Stumvoll, Environmental Sciences, Project: Incidence of *Entamoeba histolytica* in human and lemur populations near Ranomafana National Park, Madagascar.
- 2012 – 2015 *Diane Ryu, Environmental Sciences, Project: Health implications of ranging outside park boundaries in wild Virunga mountain gorillas in Rwanda.
- 2012 – 2013 HoJoon Hwang, Biology, Emory University. Project: Molecular characterization of enteric protozoa from Ugandan rodents.
- 2012 – 2013 Hugh Green, Environmental Sciences, Emory University. Project: The human diet from an evolutionary perspective.
- 2012 – 2013 Pryia Chitta, Environmental Sciences, Project: Clinical Analysis of the Gastrointestinal Parasites and Bacteria from Gombe Chimpanzees and Correlation to Behavioral, Co-infection, and Stress Hormone Level Data.
- 2012 – 2013 Audrey Zeis, Environmental Sciences, Emory University. Project: Microbial ecology of the lone star tick in central Georgia.

- 2011 – 2012 Deema Elchoufi MD, Environmental Sciences, Emory University. Project: Characterization of the symbiont *Candidatus midichloria mitochondrii* in the novel tick host *Amblyoma americanum*.
- 2011 – 2012 Gwen Parker, Environmental Sciences, Emory University. Project: Microbial ecology of the lone star tick in central Georgia.
- 2011 – 2012 Ellen Dugan, Environmental Sciences, Emory University. Project: Development of a PCR-based assay to detect medically important Rickettsia in complex environmental samples.
- 2011 – 2012 Dana Greenlee, Environmental Sciences, Emory University. Project: Ecology of Ectoparasites of Rodents in Kibale National Park, Uganda.
- 2011 – 2012 Marston Jones DVM, Environmental Sciences, Emory University. Project: Gastrointestinal Parasites of Chimpanzees in the Rapidly Disappearing Gishwati Forest, Rwanda.
- 2011 – 2012 Benjamin Kramer-Roach, Environmental Sciences, Emory University. Project: Ectoparasites of small mammals and birds at multiple sites in Georgia.
- 2011 – 2012 Ian Fried, Environmental Sciences, Emory University. Project: Ectoparasites of small mammals and birds at multiple sites in Georgia.
- 2009 – 2011 Kristen Cross MD, PhD, Environmental Sciences, Emory University. Project: Molecular Epidemiology of *Cryptosporidium* in Rodents in Kibale National Park, Uganda.
- 2009 – 2012 Brynne Ridgewell, Environmental Sciences, Emory University. Project: Self-Medication as an Adaptive Behavior in Wild Apes.
- 2009 – 2012 *Kendall West, Environmental Sciences, Emory University. Project: Effects of Group Structure on Patterns of Infection with Pathogenic Protozoa in Wild Primates in Amazonian Peru.
- 2008 – 2011 *Jon Bodager MD, Environmental Sciences, Emory University. Project: Howler Monkeys as Sentinels of Human Disease: Prevalence of Rickettsial Diseases in the Ectoparasites of the Genus *Alouatta*.
- 2008 – 2010 Eunice Lee DVM, Environmental Sciences, Emory University. Project: Does Ecotourism Present a Health Risk to Apes? The Case of Zoonotic Protozoa Infection in Lowland Gorillas in Congo.
- 2008 – 2010 Stefanie Lang DVM, Biology, Emory University. Project: Anthropogenic Disturbance Increases the Prevalence of Pathogenic Protozoa in Wild Rodent Reservoirs in Uganda.
- 2006 – 2008 Elizabeth Canfield, Anthropology, University of Illinois. Project: Gastrointestinal parasites of wild chimpanzees in Senegal.
- 2006 – 2008 Sarah Erwin, Anthropology, University of Illinois. Project: Gastrointestinal parasites of wild primates in western Uganda.
- 2006 – 2008 Nader Tondravi, Integrative Biology, University of Illinois. Project: Gastrointestinal parasites of goats in western Uganda.
- 2006 – 2008 Mariah Howard, Integrative Biology, University of Illinois. Project: Gastrointestinal parasites of cattle in western Uganda.

Service

Department

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| 2009 – Present | Chair, Environmental Sciences/Environmental Health BS/MPH Program Committee, Emory University. |
| 2009 – Present | Department of Environmental Sciences Graduate Committee, Emory University. |
| 2016 – 2019 | Director of Graduate Studies, Department of Environmental Sciences, Emory University. |
| 2009 – 2017 | Department of Environmental Sciences Undergraduate Research Advisory Committee, Emory University. |
| 2016 – 2017 | Department of Environmental Sciences Faculty Search Committee, Emory University. |
| 2011 – 2012 | Department of Environmental Sciences Faculty Search Committee, Emory University. |
| 2009 – 2011 | Department of Environmental Sciences Curriculum Committee, Emory University. |
| 2009 – 2010 | Department of Environmental Sciences Departmental Retreat Planning Committee, Emory University. |
| 2008 – 2009 | Department of Environmental Sciences Faculty Search Committee, Emory University. |
| 2006 – 2007 | Anthropology Faculty Search Committee, University of Illinois. |

University

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| 2019– Present | Steering Committee, NIH T32 Infectious Diseases Across Scales Training Program, Laney Graduate School, Emory University. |
| 2019– Present | Steering Committee, Emory Planetary Health and Infectious Diseases Synergy II Interdisciplinary Team (includes faculty from Emory's Serious Communicable Diseases Program, the Department of Environmental Sciences at Emory College, the Nell Hodgson School of Nursing, and the Rollins School of Public Health). |
| 2019– Present | Faculty Advisor, Emory Chapter of the Wildlife Disease Association. |
| 2009 – Present | Coordinator, Emory University Environmental Sciences/Environmental Health BS/MPH Program. |
| 2017 – 2020 | Emory University Faculty Senate Committee on Education Abroad. |
| 2018 – 2019 | Emory College of Arts and Sciences Dean's Ad-Hoc Committee on Undergraduate Research. |

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| 2017– 2019 | Executive Committee for Emory’s NIH T32 Training Grant Submission Entitled, “Infectious Diseases Across Scales Training Program.” |
| 2016 – 2019 | Director of Graduate Studies, Department of Environmental Sciences, Emory University. |
| 2017– 2018 | Emory College of Arts and Sciences Dean’s Task Force on Interdisciplinary Science Postdoctoral Fellows. |
| 2014 – 2016 | Emory University Ebola Advisory Task Force. |
| 2011 – 2016 | Advisory Committee for Emory College of Arts and Science Interdisciplinary Minor in Global Health, Culture, and Society. |
| 2010 – 2013 | Admissions Liaison for Environmental Studies, Emory University. |
| 2009 – 2013 | University Research Committee, Emory University. |
| 2005 – 2008 | Director, Earth and Society Initiative in Disease Emergence & Ecosystem Health, University of Illinois, Urbana-Champaign. |
| 2008 | Steering Committee, Center for Zoonoses Research, University of Illinois. |
| 2006 – 2008 | Chair, Earth and Society Summer Research Grant Program. Supported 15 graduate fellows working on interdisciplinary research with faculty from the Colleges of Agriculture, Liberal Arts and Sciences, Medicine, Veterinary Medicine, and the Illinois Natural History Survey. |
| 2006 – 2008 | Campus Research Board, University of Illinois. |
| 2007 | Organizer, Earth and Society Campus-Wide Seminar Series, University of Illinois. |
| 2006 | Organizer, Four-week Translational Biomedical Research Seminar Series, College of Veterinary Medicine, University of Illinois. |
| <u>Professional</u> | |
| 2020 | Formal Reviewer, United Nations Environment Program (UNEP) Frontiers Report Series, “Preventing the next pandemic - Zoonotic diseases and how to break the chain of transmission.” |
| 2020– Present | External Expert, United Nations High Level Policy Forum on Sustainable Development (HLPF). |
| 2020– Present | Union for the Conservation of Nature (IUCN) Task Force on Wildlife and COVID-19. |
| 2020– Present | Non-Human Primate COVID-19 Information Hub Working Group. IUCN / Arcus Foundation Collaborative Effort. |
| 2019 – Present | Section for Human-Primate Interactions, Primate Specialist Group, Species Survival Commission of the Union for the Conservation of Nature (IUCN). |

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| 2014 – Present | Biodiversity and Health Interest and News, Facebook Group Administrator, 1,120 followers. |
| 2013 – Present | Section for Great Apes, Primate Specialist Group, Species Survival Commission of the Union for the Conservation of Nature (IUCN). |
| 2013 – Present | Board Member, PIVOT. www.pivotworks.org |
| 2013 – Present | Co-Director, Gombe Ecosystem Health Project, Tanzania. |
| 2013 – Present | Director of Infectious Disease Research, Centre Valbio, Madagascar. |
| 2010 – Present | Advisory Board, Centre Val Bio, Madagascar. www.centrealbio.org |
| 2006 – Present | United Nations Environment Programme (UNEP) Working Group on Best Practices for Ape Health and Conservation. |
| 2004 – Present | International Union for the Conservation of Nature (IUCN) Veterinary Specialist Group Great Ape Health Monitoring Unit (GAHMU). |
| 2017 – Present | Scientific Advisory Board, Primate Microbiome Project. |
| 2019 | Symposium Organizer & Chair, France - Atlanta 2019 Symposium (Theme: Biodiversity). Office of Science and Technology, Embassy of France in the United States. |
| 2014 – 2017 | Senior Advisor, Ecohealth Chair on Human and Animal Health in Protected Ecosystems of Africa. International Development Research Centre (IDRC). |
| 2014 – 2016 | National Socio-Environmental Synthesis Center (SESYNC) Working Group on Land Use Change and Infectious Diseases. |
| 2012 – 2016 | Conservation Committee, International Primatological Society. |
| 2012 – 2014 | National Center for Ecological Analysis and Synthesis (NCEAS) Working Group on Land Use Change and Infectious Diseases. |
| 2009 – 2014 | Guest Researcher, Center for Disease Control and Prevention (CDC). |
| 2008 – 2014 | Honorary Lecturer, Faculty of Veterinary Medicine, Makerere University, Kampala, Uganda. |
| 2014 | Symposium Organizer & Chair, Featured Interdisciplinary Symposium, 37th Annual Meeting of the American Society of Primatologists. Decatur, Georgia. |
| 2014 | Symposium Chair, Primate Conservation, International Primatological Society 25 th Congress, Hanoi, Vietnam. |
| 2008 – 2012 | National Academy of Science / UNESCO DIVERSITAS ecoHEALTH Working Group. |
| 2013 | Symposium Chair, Primate Conservation, International Primatological Society 24 th Congress, Cancun, Mexico. |

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| 2007 – 2013 | Graduate Faculty, Purdue University, West Lafayette, Indiana. |
| 2007 – 2011 | Scientific Advisory Board, Morris Animal Foundation. |
| 2011 | Symposium Co-Organizer and Chair (with John Terborgh and Patricia Wright), Special Session on stressors and resilience of tropical rainforests. 48 th Annual Meeting of the Association for Tropical Biology and Conservation. Arusha, Tanzania. |
| 2010 | Symposium Organizer and Chair, Special Session on Great Ape Health, International Primatological Society 23 rd Congress. Kyoto, Japan. |
| 2007 – 2008 | Steering Committee, Eleventh Annual Conference on New & Reemerging Infectious Diseases, Center for Zoonoses Research, University of Illinois. |
| 2005 – 2008 | Steering Committee, EnviroVet Baltic. |
| 2006 – 2008 | Senior Scientist, Great Lakes University Program. |
| 2006 | Symposium Chair, Primate Conservation, International Primatological Society 21 st Congress, Entebbe, Uganda. |
| 2006 | Organizing committee, Midwest Primate Interest Group 3 rd Annual Meeting, University of Illinois. |

Peer Review

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| 2017 – Present | Editorial Board, EcoHealth, Official Journal of the International Association for Ecology and Health. |
| 2010 – Present | Editorial Board, International Journal of Primatology, Official Journal of the International Primatological Society and the leading publisher of primate-related research. |
| 2012 – 2016 | Grant Review Panel, International Primatological Society. |
| 2011 – 2016 | Editorial Board, International Journal for Parasitology (Wildlife). |
| 2008 – 2012 | Wildlife Health Review Panel, Morris Animal Foundation. |
| 2008 | Terrestrial Systems Ecology National Review Panel, US Environmental Protection Agency. |

Ad-hoc Review of Research Proposals

- L.S.B. Leakey Foundation
- National Geographic Society
- National Science Foundation
- Primate Conservation Inc.

Peer Review of Articles Submitted for Publication

- African Journal of Ecology
- American Journal of Physical Anthropology

- American Journal of Primatology
- Animal Conservation
- Behavioral Ecology & Sociobiology
- Biological Conservation
- Biotropica
- Conservation Biology
- Current Biology
- Conservation Letters
- EcoHealth
- Emerging Infectious Diseases
- Folia Primatologica
- International Journal of Primatology
- Journal of Animal Ecology
- Journal of Applied Ecology
- Journal of Parasitology
- Journal of Tropical Ecology
- Journal of Wildlife Diseases
- Nature
- Philosophical Transactions of the Royal Society B
- PLOS One
- PLOS Biology
- PLOS Neglected Tropical Pathogens
- Proceedings of the National Academy of Science
- Science
- Science Advances
- Scientific Reports
- Trends in Parasitology

Select media coverage of research:

- | | |
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| 2020 | The Guardian (July 2020) Coronavirus: world treating symptoms, not cause of pandemics, says UN. https://www.theguardian.com/world/2020/jul/06/coronavirus-world-treating-symptoms-not-cause-pandemics-un-report |
| 2020 | South China Morning Post (July 2020) Human activity raises risk of more pandemics like Covid-19, warns UN report. https://www.scmp.com/news/world/article/3092035/human-activity-raises-risk-more-pandemics-covid-19-warns-un-report |
| 2020 | NBC News: Interview on Down to Earth with Dagmar (July 2020) World Zoonoses Day. https://www.nbcsandiego.com/news/local/down-to-earth-with-dagmar/down-to-earth-zoonoses-day/2362653/ |
| 2020 | Emory Health Digest (July 2020) Zoonotic diseases: how pathogens jump species. http://news.emory.edu/features/2020/06/ehd-zoonotic-diseases/ |
| 2020 | Emory News Center (July 2020) World Zoonoses Day: 'We have to act now to avoid even bigger catastrophes'. https://news.emory.edu/stories/2020/06/esc_world_zoonoses_day/campus.htm |

- 2020 BBC World Service Interview (May 2020)
Is our food creating pandemics?
<https://www.bbc.co.uk/sounds/play/w3cszjpw>
- 2020 Axios (May 2020)
The viral spillovers that created the coronavirus are only worsening.
<https://www.axios.com/coronavirus-animal-human-health-spillover-bbe5d22e-5146-4858-ac89-39b6ffeaef6a.html>
- 2020 Green Alliance Podcast: Interview (May 2020)
Making the link: from nature destruction to pandemic.
<https://greenalliancepodcast.simplecast.com/episodes/making-the-link-from-nature-destruction-to-pandemic>
- 2020 Landscape News (May 2020)
What the genetics of COVID-19 mean for the survival of wild great apes.
<https://news.globallandscapesforum.org/44645/what-the-genetics-of-covid-19-mean-for-the-survival-of-wild-great-apes>
- 2020 The Washington Post (April 2020)
The next pandemic is already coming, unless humans change how we interact with wildlife, scientists say.
<https://www.washingtonpost.com/science/2020/04/03/coronavirus-wildlife-environment/>
- 2020 CNN (April 2020)
A real life 'Contagion': Humans may be to blame for viruses jumping from animals to us. <https://www.cnn.com/2020/04/07/health/mammal-human-virus-spillover-coronavirus-science-wellness/index.html>
- 2020 Scientific American (April 2020)
Coronavirus disrupts vital field research—including disease transmission work.
<https://www.scientificamerican.com/article/coronavirus-disrupts-vital-field-research-including-disease-transmission-work/>
- 2020 New Scientist (April 2020)
Orangutans and other great apes under threat from covid-19 pandemic.
<https://www.newscientist.com/article/2239524-orangutans-and-other-great-apes-under-threat-from-covid-19-pandemic/>
- 2020 The Washington Post (April 2020)
Two New York cats tested positive for the coronavirus. Here's what you need to know about the virus and animals.
<https://www.washingtonpost.com/science/2020/04/22/coronavirus-pets-cats-dogs/>
- 2020 BBC News Brasil (April 2020)
Do nipah ao coronavírus: destruição da natureza expõe ser humano a doenças do mundo animal. <https://www.bbc.com/portuguese/internacional-52161309>
- 2020 The Current Radio Programme, Canadian Broadcasting Corporation (April 2020)
With a COVID-19 infection confirmed in tigers, researchers hope to learn more about its spread among animals. <https://www.cbc.ca/radio/thecurrent/with-a-covid-19-infection-confirmed-in-tigers-researchers-hope-to-learn-more-about-its-spread-among-animals-1.5524728>
- 2020 NBC News: Interview on Down to Earth with Dagmar (April 2020)
COVID-19 threatens great apes. <https://www.nbcsandiego.com/news/local/down-to-earth-with-dagmar/down-to-earth-with-dagmar-covid-19-threatens-great-apes/2307606/>

- 2020 Emory News Center (April 2020)
Bat ecology in the era of pandemics.
<http://news.emory.edu/features/2020/04/esc-covid-19-bat-ecology-vicente/index.html>
- 2020 South China Morning Post (April 2020)
Coronavirus risk to great apes threatens Africa's Chinese tourist income.
<https://www.scmp.com/news/china/science/article/3079169/coronavirus-risk-great-apes-threatens-africas-chinese-tourist>
- 2020 De Groene Amsterdammer (April 2020)
Het is niet de schuld van de vleermuis.
<https://www.groene.nl/artikel/het-is-niet-de-schuld-van-de-vleermuis>
- 2020 De Standaard (April 2020)
De volgende pandemie kan morgen al uitbreken.
https://www.standaard.be/cnt/dmf20200417_04925401
- 2020 Reforma (April 2020)
Amenaza Covid-19 a grandes simios
<https://www.reforma.com/amenaza-covid-19-a-grandes-simios/gr/ar1911766>
- 2020 Brut. (April 2020)
Meanwhile... Covid-19 poses a threat to great apes. Video viewed 19,500 times.
<https://www.brut.media/us/international/meanwhile-covid-19-poses-a-threat-to-great-apes-c8e9c6fe-c652-45f3-a492-64811e088b01>
- 2020 Foodie Pharmacology (April 2020)
Biodiversity, Planetary Health & Disease Ecology: Interview with Thomas Gillespie.
<https://foodiepharmacology.libsyn.com/biodiversity-planetary-health-disease-ecology-with-tom-gillespie>
- 2020 Unearthed (April 2020)
Breaking down the Amazon: how deforestation could drive the next pandemic.
<https://unearthed.greenpeace.org/2020/04/24/deforestation-amazon-next-pandemic-covid-coronavirus/>
- 2020 The Washington Post (March 2020)
Coronavirus could threaten endangered great apes, scientists warn.
<https://www.washingtonpost.com/science/2020/03/25/coronavirus-wildlife-apes/>
- 2020 Scientific American (March 2020)
Destroyed Habitat Creates the Perfect Conditions for Coronavirus to Emerge
<https://www.scientificamerican.com/article/destroyed-habitat-creates-the-perfect-conditions-for-coronavirus-to-emerge/>
- 2020 Smithsonian Magazine (March 2020)
COVID-19 could threaten great ape populations, researchers warn.
<https://www.smithsonianmag.com/smart-news/covid-19-could-threaten-great-ape-populations-researchers-warn-180974512/>
- 2020 The Guardian (March 2020)
Coronavirus poses lethal threat to great apes, experts warn.
<https://www.theguardian.com/environment/2020/mar/24/coronavirus-poses-lethal-threat-to-great-apes-experts-warn>

- 2020 Science Magazine (March 2020)
Disease experts call for nationwide closure of US schools and businesses to slow coronavirus.
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- 2020 The Guardian (March 2020)
'Tip of the iceberg': is our destruction of nature responsible for Covid-19?
<https://www.theguardian.com/environment/2020/mar/18/tip-of-the-iceberg-is-our-destruction-of-nature-responsible-for-covid-19-aoe>
- 2020 Jane Goodall's Good For All News (March 2020)
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- 2020 Emory News Center (March 2020)
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- 2020 ENSIA (March 2020)
Destruction of Habitat and Loss of Biodiversity are Creating the Perfect Conditions for Diseases Like COVID-19 to Emerge.
<https://ensia.com/features/covid-19-coronavirus-biodiversity-planetary-health-zoonoses>
- 2020 Emory News Center (February 2020)
https://news.emory.edu/stories/2020/02/esc_disease_spread_species_gillespie/campus.html
- 2019 Mongabay.com Feature (February 2019). Research into chimp health benefits human, ecosystem well-being too <https://news.mongabay.com/2019/02/research-into-chimp-health-benefits-human-ecosystem-well-being-too/>
- 2018 Nature Ecology and Evolution (March 2018)
Disease in Changing Landscapes.
<https://natureecoevocommunity.nature.com/channels/521-behind-the-paper/posts/31335-disease-in-changing-landscapes>
- 2018 Emory Magazine (Winter 2018)
Hanging by a Thread: Why scientists are trying to keep the delicate, tattered fabric of the world's flora and fauna from unraveling completely.
http://www.emory.edu/EMORY_MAGAZINE/issues/2018/winter/features/Megafauna.html
- 2018 Jane Goodall's Good For All News (January 2018)
Pathogens, Primates and Human Populations, Oh My! An Interview with Thomas Gillespie. <http://news.janegoodall.org/2018/01/25/5840/>
- 2018 Emory News Center (January 2018)
<http://esciencecommons.blogspot.com/2018/01/chimpanzee-studies-highlight-disease.html>
- 2017 Science Magazine (August 2017)
Anthrax's Cousin Wreaks Havoc in the Rainforest. 357:438-39.
<http://www.sciencemag.org/news/2017/08/anthrax-s-cousin-wreaks-havoc-rainforest>
- 2017 Frontiers in Ecology and Environment (May 2017)
Dispatches. *Frontiers in Ecology and Environment* 15(4):176-180.
Official journal of the Ecological Society of America (impact factor 8.5).
<http://onlinelibrary.wiley.com/doi/10.1002/fee.1485/full>

- 2017 Nature Magazine (March 2017)
Ebola: The Great Ape Gamble. *Nature* 543:S56-57.
http://www.nature.com/nature/journal/v543/n7647_supp/pdf/543S56a.pdf
- 2017 The New York Times (January 2017)
<https://www.nytimes.com/2017/01/18/science/almost-two-thirds-of-primate-species-near-extinction-scientists-find.html>
- 2017 BBC World News (January 2017)
<http://www.bbc.co.uk/news/science-environment-38652196>
- 2017 Time Magazine (January 2017)
<http://time.com/4636086/primate-species-extinction-animals/>
- 2017 CNN (January 2017)
<http://edition.cnn.com/2017/01/19/americas/primates-mass-extinction/>
- 2017 Huffington Post (January 2017)
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- 2017 The Guardian (January 2017)
<https://www.theguardian.com/environment/2017/jan/18/over-half-of-worlds-wild-primate-species-face-extinction-report-reveals>
- 2017 Le Monde (January 2017)
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- 2017 New Scientist (January 2017)
<https://www.newscientist.com/article/2118359-majority-of-primate-species-may-vanish-in-next-25-to-50-years/>
- 2017 The Conversation (January 2017)
<https://theconversation.com/60-of-primate-species-now-threatened-with-extinction-says-major-new-study-71441>
- 2016 Cosmos Magazine (December 2016)
<https://cosmosmagazine.com/biology/human-contact-puts-chimpanzees-at-risk-of-antibiotic-resistant-microbes>
- 2016 BioScience Magazine (January 2016)
Ogden LE 2016. Furbook or Featherbook? *BioScience* 66:7-13.
- 2015 Coursera Video Lecture for "Forests and Humans: From the Midwest to Madagascar"
> 1,000 students from > 20 countries. <https://www.coursera.org/course/forestshumans>
- 2015 BBC Wildlife Magazine (Research Featured as BBC's Discovery of the Month for July)
<http://www.discoverwildlife.com>
- 2015 Conservation Magazine (March 2015)
<http://conservationmagazine.org/2015/03/spillover-of-human-disease-threatens-wild-chimps/>

- 2015 Coursera Video Lecture for "Ebola Virus Disease: An Evolving Epidemic"
> 5,000 enrolled students from 159 countries. <https://www.coursera.org/course/ebola>
- 2014 Emory Medicine Magazine Feature (Fall 2014)
<http://emorymedicinemagazine.emory.edu/issues/2014/fall/features/disrupting-the-balance/index.html>
- 2014 Ebola's backstory (> 1,000 views on YouTube in first two weeks posted)
<http://esciencecommons.blogspot.com/2014/10/ebolass-backstory-how-germs-jump-species.html>
- 2014 Mongabay.com Feature (April 2014)
<http://news.mongabay.com/2014/0403-forestinnovation-kimbrough-gillespie.html>
- 2014 Emory Magazine Feature (Spring 2014)
http://www.emory.edu/EMORY_MAGAZINE/issues/2014/spring/features/madagascar.html
- 2013 Emory News Center (January 2013)
http://news.emory.edu/stories/2013/01/er_acclaim_gillespie_miller_umpierrez_wolpe/campus.html
- 2012 Scientific American (August 2012)
<http://blogs.scientificamerican.com/extinction-countdown/2012/08/28/chimps-human-diseases-risk-reintroduction/>
- 2012 New York Times (August 2012)
<http://www.nytimes.com/2012/08/28/science/drug-resistant-human-strains-of-staph-bacteria-are-found-in-chimps.html? r=0>
- 2012 US News and World Report (August 2012)
<http://health.usnews.com/health-news/news/articles/2012/08/24/african-chimps-carry-drug-resistant-human-linked-staph>
- 2012 NBC News (August 2012)
http://www.today.com/id/48745939/ns/today-today_tech/t/deadly-human-bacteria-infects-chimps-raising-new-worries/#.UD5y4mjC65I
- 2012 CBS News (August 2012)
http://www.cbsnews.com/8301-205_162-57498128/deadly-human-bacteria-now-infects-chimps/
- 2012 Chemistry and Industry Feature Story (June 2012)
http://envs.emory.edu/home/assets/documents/miscellaneous_docs/Cross_River_Gorilla.pdf
- 2012 Scientific American (June 2012, Also covered by Emory News)
<http://blogs.scientificamerican.com/observations/2012/06/05/big-herds-attract-plenty-of-parasites/>
- 2012 eScienceCommons (May 2012)
<http://esciencecommons.blogspot.de/2012/05/glimpse-of-worlds-most-elusive-gorillas.html>
- 2011 eScienceCommons (October 2011)
<http://esciencecommons.blogspot.de/2011/10/captive-chimps-up-for-endangered-status.html>
- 2011 Emory looks at Hollywood (77,550 views on YouTube since August 2011):
<http://esciencecommons.blogspot.de/2011/08/wild-view-of-apes-of-planet.html>
- 2011 eScienceCommons (August 2011)
<http://esciencecommons.blogspot.de/2011/08/mountain-gorillas-people-in-their-midst.html>

- 2009 Environmental Protection Agency Feature Story:
http://es.epa.gov/ncer/events/news/2009/01_13_09_c_feature.html
- 2009 *Emory Report*, "Gorilla vet tracks microbes for global health".
http://www.emory.edu/EMORY_REPORT/erarchive/2009/September/Sept28/innocence_rwego.htm
- 2008 Emory Report, "From wildlife to civilization: Primate disease ecologist tracks germs in the wild".
http://www.emory.edu/EMORY_REPORT/erarchive/2008/October/Oct27/ProfileThomasGillespie.htm
- 2008 Emory News Release, "First holistic guide to primate disease covers critical gap in global health".
<http://www.emory.edu/home/news/releases/2008/11/holistic-guide-to-primate-disease.html>
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<http://www.epa.gov/ord/people/people-gillespie.htm>
- 2004 *The Forestry Source*, "Study shows relationship between forest fragmentation and disease" by Christopher Davis. September 2004.