

# Thomas R. Gillespie, PhD MSc

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## Academic Positions

2023– Present	Chair, Dept. of Environmental Sciences, Emory University, Atlanta, Georgia
2021– Present	Professor, Dept. of Environmental Sciences, Emory University
2021– Present	Professor (Jointly Appointed), Department of Environmental Health, Rollins School of Public Health, Emory University, Atlanta, Georgia.
2008 – Present	Core Faculty, Program in Population Biology, Ecology, and Evolution, Emory University, Atlanta, Georgia.
2008 – Present	Affiliated Faculty, Department of Anthropology, Emory University.
2022 – 2023	Interim Director of Graduate Studies, Department of Environmental Sciences, Emory University.
2014 – 2021	Associate Professor, Departments of Environmental Sciences and Environmental Health, Emory University, Atlanta, Georgia.
2016 – 2019	Director of Graduate Studies, Department of Environmental Sciences, Emory University.
2008 – 2014	Assistant Professor, Departments of Environmental Sciences and Environmental Health, Emory University, Atlanta, Georgia.
2006 – 2008	Assistant Professor, Division of Epidemiology, Department of Pathobiology, College of Veterinary Medicine, University of Illinois, Urbana-Champaign.
2006 – 2008	Assistant Professor, Department of Anthropology, University of Illinois.

## Education

2004-2006	<b>Post-Doctoral Fellow</b> , Pathobiology (Concentration: Molecular Epidemiology), College of Veterinary Medicine, University of Illinois, Urbana-Champaign.
2004	<b>PhD</b> , Zoology (Concentration: Ecology), University of Florida, Gainesville.
2000	<b>MSc</b> , Zoology (Concentration: Ecology), University of Florida, Gainesville.
1996	<b>BSc</b> , Ecology, Ethology & Evolution, University of Illinois, Urbana-Champaign.

## Recent Honors

2024	Keynote Speaker, Provost's Planetary Health Initiative Launch, University of Vermont, Burlington.
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- 2023 Keynote Speaker, 15<sup>th</sup> Eastern-Himalaya Forum & International Symposium on Biodiversity & Primate Conservation, Dali, China
- 2023 Keynote Speaker, American College of Veterinary Pathologists Annual Meeting, Chicago
- 2022 Delegate, UN Biodiversity Conference (COP15), Montreal, Canada
- 2022 Plenary Speaker, World Biodiversity Forum. Davos, Switzerland.
- 2022 Featured Scientist, UNESCO-supported documentary “Making Pandemics” with UN Goodwill Ambassador, Juliette Binoche.
- 2022 2021-22 Saul Endowed Lecturer, Middlebury College, Vermont.
- 2022 Keynote Speaker, One Health and Development for a World Under Pressure, Guelph University, Ontario, Canada.
- 2022 Keynote Speaker, International Zoonoses Symposium, Berlin, Germany.
- 2021 Featured Expert for UN Diplomatic Community Panel on Biodiversity and Health.
- 2021 Plenary Speaker, 19<sup>th</sup> Congress of the Brazilian Society of Primatology, Brasilia, Brazil.
- 2021 Featured Speaker, 43rd Annual Meeting of the American Society of Primatologist, Oklahoma City.
- 2020 Appointed External Expert to the United Nations High Level Political Forum on Sustainable Development.
- 2020 Featured Expert, UN Diplomatic Community Panel on One Health.
- 2020 Keynote Speaker, 5<sup>th</sup> Ecuadorian Mammology Congress. Quito, Ecuador.
- 2019 Appointed Chair of France - Atlanta 2019 Symposium (Theme: Biodiversity and Health). Office of Science and Technology, Embassy of France in the United States.
- 2019 Plenary Speaker, 2<sup>nd</sup> Congress of The Peruvian Association of Primatology. Lima, Peru
- 2018 Keynote Speaker, University of Illinois Sesquicentennial Celebration.
- 2018 Plenary Speaker, Stanford University Crucible for Science, Health and the Environment.
- 2018 Keynote Speaker, 7<sup>th</sup> Annual World Health Summit. Berlin, Germany.

## Publications

Metrics (Google Scholar: updated 09/05/2024): Citations: 14,110; h-index: 53; i10-index: 115

\* *Gillespie is corresponding author*

### Journal Articles

118) \*Talbot BM, Clennon JA, Rakotoarison MFN, Rautman L, Durry S, Ragazzo L, Wright PC, **Gillespie TR**, Read TD. 2024. Metagenome-wide characterization of shared antimicrobial resistance genes in sympatric people and lemurs in rural Madagascar. *PeerJ*. In Press.

117) \*Jones C, Vicente-Santos A, Clennon JA, **Gillespie TR**. 2024. Deforestation and bovine rabies outbreaks, Costa Rica, 1985–2020. *Emerging Infectious Diseases*. In Press.

116) \*Miarinjara A, Raveloson A, Mugel SG, An N, Andriamiadanarivo A, Rajerison M, Randremanana R, Girod R, **Gillespie TR**. 2024. Socio-ecological risk factors associated with human flea infestations of rural household in plague-endemic areas of Madagascar. *PLoS Neglected Tropical Diseases*. In Press.

115) \*Deere JR, Lonsdorf EV, Clennon JA, **Gillespie TR**. 2024. Bridging the gap: Integrating knowledge from the study of social network analysis and infectious disease dynamics in human and nonhuman primates. *Annual Review of Anthropology*. In Press.

114) \*Strahan EK, Witherbee J, Bergl R, Lonsdorf EV, Mwacha D, Mjungu D, Arandjelovic M, Ikfuingei R, Terio K, Travis DA, **Gillespie TR**. 2024. Potentially zoonotic enteric infections in gorillas and chimpanzees, Cameroon and Tanzania. *Emerging Infectious Disease*. 30:23-26.

113) Fleischer R, Jones C, Ledezma-Campos P, Czirják GA, Sommer S, **Gillespie TR**, Vicente-Santos A. 2024. Gut microbial shifts in vampire bats linked to immunity due to changed diet in human disturbed landscapes. *Science of the Total Environment*. 907:167815.

112) \*Vicente-Santos A, Willink B, Nowak K, Civitello DJ, **Gillespie TR**. 2023. Host–pathogen interactions under pressure: A review and meta-analysis of stress-mediated effects on disease dynamics. *Ecology Letters*. 26:2003–2020.

111) \*Kuthyar S, Kowalewski MM, Seabolt M, Roellig DM, **Gillespie TR**. 2022. Molecular characterization of *Giardia duodenalis* and evidence for cross-species transmission in Northern Argentina. *Transboundary and Emerging Diseases*. 69(4):2209-2218.

110) \*Lonsdorf EV, Travis DA, Raphael J, Kamenya S, Lipende I, Mwacha D, ... Goodall J, **Gillespie TR**. 2022. The Gombe Ecosystem Health Project: 16 years of program evolution and lessons learned. *American Journal of Primatology*. 84(4-5):e23300.

109) \*Mitchell MM, Vicente-Santos A, Rodríguez-Herrera B, Corrales-Aguilar E, **Gillespie TR**. 2022. Genetic Diversity of *Bartonella* spp. in Cave-Dwelling Bats and Bat Flies, Costa Rica, 2018. *Emerging Infectious Diseases*. 28(2):488-491.

108) Boyer S, **Gillespie TR**, Miarinjara A. 2022. *Xenopsylla cheopis* (rat flea). *Trends in Parasitology*. 38(7):607-608.

107) \***Gillespie, TR**, Jones KE, Dobson AP, Clennon JA, Pascual M. 2021. COVID-clarity demands unification of health and environmental policy. *Global Change Biology*. 27: 1319-1321.

- 106) \*Deere J, Schaber KL, Foerster S, Gilby IC, Feldblum JT, VanderWaal K, Wolf TM, Travis DA, Raphael J, Lipende I, Mjungu D, Pusey AE, Lonsdorf EV, **Gillespie TR**. 2021. Gregariousness is associated with parasite species richness in a community of wild chimpanzees. *Behavioral Ecology and Sociobiology*. 75:87.
- 105) \*Parsons MB, Travis DA, Lonsdorf EV, Lipende I, Elchoufi D, Gilagiza B, Collins DA, Kamenya S, Tauxe R, **Gillespie TR**. 2021. Antimicrobial resistance creates threat to chimpanzee health and conservation in the wild. *Pathogens*. 10(4):477.
- 104) \*Kuthyar S, Kowalewski MM, Roellig DM, Mallott EK, Zeng Y, **Gillespie TR**, Amato KR. 2021. Effects of anthropogenic habitat disturbance and *Giardia duodenalis* infection on a sentinel species' gut bacteria. *Ecology and Evolution*. 11:45–57.
- 103) Martínez-Mota R, Righini N, Mallott EK, **Gillespie TR**, Amato KR. 2021. The relationship between pinworm (*Trypanoxyuris*) infection and gut bacteria in wild black howler monkeys (*Alouatta pigra*). *American Journal of Primatology*, e23330.
- 102) Wren, Ray I, Remis M, **Gillespie TR**, Camp J. 2021. Social contact behaviors are associated with infection status for *Trichuris* sp. in wild vervet monkeys (*Chlorocebus pygerythrus*). *PLoS ONE*. 16(4): e0240872.
- 101) Rakotonanahary R, Andriambolamanana H, Razafinjato B, Raza-Fanomezananahary EM, Ramanandraitsiory V, Ralaivavikoa F, ...Krasnow MA, Wright PC, **Gillespie TR**, ...Andriamihaja B, Garchitorea A, Rakotonirina J, Mayfield A, Finnegan KE, Bonds MH. 2021. Integrating Health Systems and Science to Respond to COVID-19 in a Model District of Rural Madagascar. *Frontiers in Public Health*. 9:847.
- 100) Lane MA, Walawender M, Carter J, Brownsword EA, Landay T, **Gillespie TR**, Fairley JK, Philipsborn R, Kraft CS. 2021. Climate Change and Influenza: A Scoping Review. *The Journal of Climate Change and Health*. 5:100084.
- 99) \***Gillespie TR** and Leendertz FH. 2020. COVID-19: Protect great apes during human pandemic. *Nature*. 579:497.
- 98) Wilson ML, Lonsdorf EV, Mjungu DC, Kamenya S, Kimaro EW, Collins DA, **Gillespie TR**, Travis DA, Lipende I, Mwacha D, Ndimuligo SA, Pintea L, Raphael J, Hahn BH, Pusey AE, Goodall J. 2020. Research and Conservation in the Greater Gombe Ecosystem: Challenges and Opportunities. *Biological Conservation*. 252:108853.
- 97) Ito A, Eckardt W, Stoinski TS, **Gillespie TR**, Tokiwa T. 2020. Three new *Prototapirella* species, *Opisthotrichum janus*, and *Troglocorys cava* add to the Entodiniomorphida diversity in mountain gorillas (*Gorilla beringei beringei*) in Rwanda. *European Journal of Protistology*. 76:125738.
- 96) Millstein M, Shaffer CA, Suse P, Marawanaru E, **Gillespie TR**, Terio KA, Wolf TM, Travis DA. 2020. An ethnographic approach to characterizing zoonotic pathways from bushmeat in Guyana. *EcoHealth*. 17(4):424-436.
- 95) Zhu P, Garber PA, Wang L, Li M, Belov K, **Gillespie TR**, Zhou X. 2020. Comprehensive Knowledge of Reservoir Hosts is Key to Mitigating Future Pandemics. *The Innovation*. 1: 100065.

- 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.
- 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).
- 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.
- 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.
- 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.
- 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.
- 86) Kopp A, Hübner A, Zirkel F, Hobelsberger D, Estrada A, Jordan I, **Gillespie TR**, Drostén C, Junglen S. 2019. Detection of Two Highly Diverse Peribunyaviruses in Mosquitoes from Palenque, Mexico. *Viruses*. 11:832.
- 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).
- 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.
- 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.
- 82) \*Terio KA, Lonsdorf 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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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, Garchitorea A, Ngonghala CN, **Gillespie TR**, Bonds MH. 2015. The Burden of Livestock Parasites on the Poor. *Trends in Parasitology*. 31:527-530.

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.

53) Hoppe E, Pauly M, **Gillespie TR**, Akoua-Koffi C, Hohmann G, Fruth B, Karhemere S, Madinda NF, Mugisha L, Muyembe J, Todd A, Petrzekova 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.

52) Rist CL, Ngonghala CN, Garchitorea A, Brook CE, Ramananjato R, Miller AC, Randrianarivelojosa 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.

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 bieneusi* in an epizootological investigation of a laboratory colony of prairie dogs, *Cynomys ludovicianus*. *Veterinary Parasitology*. 210:91-97.

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.

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.

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.

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.

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.

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.

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.
- 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.
- 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.
- 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.
- 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).
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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.

### **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.

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.

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.

### **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.

### **Peer-Reviewed Contributions to Edited Volumes**

14) Vazquez-Prokopec GM, Binkley LE, Dantes HG, Berrian AM, Paz Soldan VA, Manrique-Saide PC, **Gillespie TR**. 2024. Urbanization, human societies, and pandemic preparedness and mitigation In: McNabb SJN, Shaikh AT, Haley CJ. (eds) *Modernizing Global Health Security to Prevent, Detect, and Respond*. Elsevier, Pp. 197-213. <https://doi.org/10.1016/B978-0-323-90945-7.00014-2>

13) Wolf, TM, Deere JR, Lonsdorf EV, Collins A, **Gillespie TR**, Terio K, Murray C, Milstein M, Shaffer C, Travis DT. 2020. Forming, Storming and Norming Your Way Into One Health: The Gombe Case Study. In: Knauf S., Jones-Engel L. (eds) *Neglected Diseases in Monkeys*. Springer, Cham. [https://doi.org/10.1007/978-3-030-52283-4\\_16](https://doi.org/10.1007/978-3-030-52283-4_16)

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- 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.
- 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.
- 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.
- 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.
- 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*.
- 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.

### **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. Stuhsaker, 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.*

- 2022 – 2027 National Institutes of Health / National Institute on Aging. Cumulative Life Course Effects on Aging and Health in a Long-Lived Primate Model (R01AG049395-06). Gillespie (Co-Investigator), Melissa Emery-Thompson (Principal Investigator).
- 2020 – 2025 Branco Weiss Foundation Science and Society Fellowship. Socio-Ecological Drivers of Plague Transmission in Madagascar. Gillespie (Mentor), A. Miarinjara (Mentee).
- 2020 – 2025 The Jane Goodall Institute. A One Health Hub for Western Tanzania.
- 2019 – 2025 National Institutes of Health. Infectious Diseases Across Scale Program (5T32AI138952-04). Gillespie (Co-Investigator), Jacobus DeRoode (Principal Investigator).
- 2023 – 2024 Emory Global Health Institute. Supplementing geographic and demographic surveillance gaps for malaria and schistosomiasis among children in underserved communities in Madagascar.
- 2022 – 2023 Hubert H. Humphrey Fellowship. Vaccination in One Health Interventions. Gillespie (Mentor), H. Afroz (Mentee).
- 2022 – 2023 Emory Global Health Institute. Mixed Methods Assessment of One Health in the Gombe-Masito-Ugalla Ecosystem, Tanzania.
- 2020 – 2023 Halle Foundation. Predicting Multi-Host, Multi-Pathogen Dynamics in Response to Anthropogenic Disturbance.
- 2019 – 2023 Robert W. Woodruff Foundation Synergy II Award. Preparing for Climate Change-Induced Infectious Disease Impacts: An Interdisciplinary Research Strategy. Gillespie (Co-Investigator), C. Kraft (Principle Investigator).
- 2021 – 2022 Hubert H. Humphrey Fellowship. Developing a One Health Platform for Gabon. Gillespie (Mentor), C. Nze Nkogue (Mentee).
- 2021 – 2022 American Society of Tropical Medicine and Hygiene Centennial Award. Determination of the Vectorial Capacity of the Human Flea, *Pulex irritans*, to Transmit *Yersinia pestis*, the Plague Bacterium. Gillespie (Mentor), A. Miarinjara (Mentee).
- 2021 – 2022 Emory University Research Committee. Metagenome-Wide Characterization of Antimicrobial Resistance in Rural Madagascar within a One Health Framework.

- 2018 – 2022 Robert W. Woodruff Foundation Synergy II Award. A Novel Assay to Investigate the Relationship Among Anthropogenic Disturbance, Infection, and Immunity in a Wild Primate.
- 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).
- 2017 – 2021 Franklin and Marshall College. Zoonoses and Chimpanzee Conservation: A Component of the Gombe Ecosystem Health Project.
- 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), M. Kowalewski (PI).
- 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).
- 2019 – 2020 The Explorer’s Club. Predicting multi-host, multi-parasite dynamics in response to anthropogenic disturbance. Gillespie (Mentor), A. Vicente (Mentee).
- 2019 – 2020 Bat Conservation International. Anthropogenic drivers of disease dynamics in cave-dwelling bat communities. Gillespie (Mentor), A. Vicente (Mentee).
- 2018 – 2020 Cave Research Foundation Grant. Anthropogenic drivers of disease dynamics in cave-dwelling bat communities. Gillespie (Mentor), A. Vicente (Mentee).
- 2019– 2020 North Carolina Zoological Park. Infectious Diseases and Cross River Gorilla Conservation.
- 2017 – 2019 Fulbright Foreign Scholar Award. Gillespie (Host), M. Kowalewski (Visiting Scholar).
- 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).
- 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).
- 2016 – 2019 The Marcus Foundation. An unbiased approach to identify risk factors associated with childhood diarrheal disease in Madagascar.
- 2016 – 2019 The Herrnstein Family Foundation, One Health Approaches for Ranomafana National Park. Madagascar.
- 2016 – 2019 Fulbright Foreign Student Fellowship. Gillespie (Mentor), A. Vicente (Mentee).
- 2016 – 2018 National Geographic Society. Waiwai Hunting and Health Project. Gillespie (Co-PI), C. Shaffer (PI).

- 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).
- 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).
- 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).
- 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).
- 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).
- 2017 – 2018 American Society of Mammologists Grant. Cave dwelling bats ecology and land use change: assessing the dilution effect. Gillespie (Mentor), A. Vicente (Mentee).
- 2016 – 2017 National Science and Engineering Research Council of Canada (NSERC) Post-Doctoral Fellowship. Gillespie (Mentor), R. Ghai (Mentee).
- 2014 – 2017 Franklin and Marshall College. Zoonoses and Chimpanzee Conservation: a Component of the Gombe Ecosystem Health Project.
- 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).
- 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.
- 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).
- 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), M. Bonds (PI).
- 2014 – 2016 Harvard Medical School. The Human/Animal Disease Interface in Rural Madagascar.



- 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).
- 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).
- 2014 – 2015 Emory Global Health Institute. The Burden of Livestock Parasites on the Poor.
- 2012 – 2015 NIH K12 FIRST Postdoctoral Fellowship. Gillespie (Mentor), S. Zohdy (Mentee).
- 2011 – 2015 NIH ORISE Fellowship, Gillespie (Mentor). A. Williams (Mentee).
- 2013 – 2014 Herrnstein Family Foundation. Ecology of Infectious Diseases in Madagascar.
- 2015 Emory Global Health Institute. Ecology of Infectious Diseases in Rwanda.
- 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).
- 2015 Emory IRES. New Technologies for Quantifying Cross-Species Transmission Events in Wild Primates, Robert Koch Institute, Berlin, Germany. Gillespie (Mentor), M. Riu (Mentee).
- 2013 – 2014 NSF Dissertation Research Grant. Blood Meal Source as an Ecological Determinant of Bacterial Community Dynamics. Gillespie (Mentor), A. Williams-Newkirk (Mentee).
- 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.
- 2011 – 2014 NIH ORISE Fellowship. Gillespie (Mentor), J. Salzer (Mentee).
- 2013 – 2014 North Carolina Zoological Park. Health Assessment of the Cross River Gorillas.
- 2013 – 2014 Museo delle Scienze, Trento, Italy. Effects of Habitat Disturbance in Parasite Dynamics in Red Colobus Monkeys in Tanzania.
- 2011 – 2014 Lincoln Park Zoo. Zoonoses and Chimpanzee Conservation: a Component of the Gombe Ecosystem Health Project.
- 2011 – 2014 University of Texas. Health Assessment of the Critically Endangered Sanje Mangabeys.
- 2014 Emory IRES. Enteric pathogen transmission among humans and mouse lemurs in Madagascar. Gillespie (Mentor), R. Giordano (Mentee).
- 2014 Emory Lester / SIRE. Enteric pathogen transmission among humans and mouse lemurs in Madagascar. Gillespie (Mentor), R. Giordano (Mentee).

- 2014 Emory Global Health Institute. Patterns of antimicrobial resistance in enteric bacteria of humans in rural Madagascar. Gillespie (Mentor), R. Giordano (Mentee).
- 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).
- 2014 Emory IRES. Prevalence of polyomaviruses in pregnant populations of endangered mountain gorillas in Rwanda. Gillespie (Mentor), D. Ryu (Mentee).
- 2014 Emory SIRE / Lester Grant. Molecular characterization of *Entamoeba* in Rwandan mountain gorillas. Gillespie (Mentor), D. Ryu (Mentee).
- 2014 Emory IRES. Incidence of *Entamoeba histolytica* in human and lemur populations near Ranomafana National Park, Madagascar. Gillespie (Mentor), A. Stumvoll (Mentee).
- 2014 Emory SIRE Grant. Incidence of *Entamoeba histolytica* in human and lemur populations near Ranomafana National Park, Madagascar. Gillespie (Mentor), A. Stumvoll (Mentee).
- 2011 – 2013 Dian Fossey Fund International. Demographic and stress-associated affects on patterns of parasitism in the mountain gorillas of Karisoke, Rwanda.
- 2013 Emory Global Health Institute. Ecology of Infectious Diseases in Madagascar.
- 2013 Emory SURE. Health implications of ranging outside park boundaries in wild Virunga mountain gorillas. Gillespie (Mentor), D. Ryu (Mentee).
- 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).
- 2013 Emory Lester / SIRE. Factors Affecting Adenovirus Infection Dynamics in Wild Chimpanzees (*Pan troglodytes*) in Gombe National Park, Tanzania. Gillespie (Mentor), K. Cross (Mentee).
- 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).
- 2009 – 2012 Morris Animal Foundation. Epidemiology of a newly recognized threat to chimpanzee health and conservation in Gombe National Park, Tanzania.
- 2012 Emory IRES. Effects of Diet on Patterns of Parasitism in Lemurs in Ranomafana National Park, Madagascar. Gillespie (Mentor), I. Fried (Mentee).
- 2012 Emory IRES. Covariates to Morbidity and Mortality Associated with *Streptococcus pneumoniae* Infection in Chimpanzees. Gillespie (Mentor), K. Cross (Mentee).

- 2012 Emory Lester / SIRE. Gastrointestinal Parasites of Chimpanzees in the Rapidly Disappearing Gishwati Forest, Rwanda. Gillespie (Mentor), M. Jones (Mentee).
- 2008 – 2011 Emory Global Health Institute. Faculty of Distinction Grant.
- 2011 Morris Animal Foundation. Epidemiology and Ecology of Enteric Pathogens of Lemurs in and around Ranomafana National Park, Madagascar. Gillespie (Mentor), J. Bodager (Mentee).
- 2011 Emory SURE. Prevalence of *Wolbachia* in the tick *Amblyomma americanum* from Central Georgia. Gillespie (Mentor), I Fried (Mentee).
- 2011 Emory SIRE / Lester. Parasitic Threats to the Critically Endangered Black Rhinoceros in Addo Elephant National Park, South Africa. Gillespie (Mentor), J. Aronoff (Mentee).
- 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).
- 2008 – 2011 Lincoln Park Zoo. Examination of gastrointestinal parasites in the chimpanzees of Gombe National Park, Tanzania.
- 2008 – 2011 Morris Animal Foundation. Eco-epidemiology of infectious disease transmission in wild primates, renewal, Gillespie Co-PI with T. Goldberg.
- 2010 German Primate Center. Patterns of Parasitism in the Gibbons of Thailand.
- 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).
- 2010 Morris Animal Foundation. Parasitic Threats to the Mountain Gorillas. Gillespie (Mentor), R. Mbabazi (Mentee).
- 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).
- 2008 – 2010 National Geographic Society. Regional scale effects of logging on infection dynamics in African apes.
- 2009 – 2010 Oxford University, UK. Patterns of Parasitism in the Chimpanzees of Budongo Forest, Uganda.
- 2009 Emory Global Health Institute. Assessment of rodent-borne zoonotic disease risk in rural Uganda.
- 2009 Emory ICIS International Travel Grant. Society for Conservation Biology Annual Meeting, Beijing, China.
- 2007 – 2008 Lincoln Park Zoo. Parasitism as a component of an integrated health assessment of chimpanzees at Gombe National Park, Tanzania.

- 2008 Hewlett International Travel Grant. Eco-Epidemiology of Monkeypox.
- 2008 Iowa State University. Patterns of parasitism in the chimpanzees of Fongoli, Senegal.
- 2008 National Geographic Society. Behavioral Correlates to Human Helminth Infection in Rural Sub-Saharan Africa. Gillespie (Mentor), D. Meyer (Mentee).
- 2008 Andrew Mellon Foundation. Self-Medication by Red Colobus Monkeys. Gillespie (Mentor), N. Prior (Mentee).
- 2008 Integrative Biology Research Grant. Behavioral Correlates to Human Helminth Infection in Rural Sub-Saharan Africa. Gillespie (Mentor), D. Meyer (Mentee).
- 2008 Integrative Biology Research Grant. Self-Medication by Red Colobus Monkeys. Gillespie (Mentor), N. Prior (Mentee).
- 2008 Center for Zoonoses Research via NIH Grant T35 2006NIH. Pathology of Monkeypox in Potential Reservoirs. Gillespie (Mentor), E. Falendyz (Mentee).
- 2008 Morris Animal Foundation. Risk Assessment of Human Monkeypox in Uganda. Gillespie (Mentor), M. Madonia (Mentee).
- 2005 – 2007 Morris Animal Foundation. Anthropogenic Disturbance and Primate-Pathogen Transmission, Gillespie Co-PI with T. Goldberg (PI).
- 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).
- 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).
- 2006 Environmental Council, University of Illinois. Initiative in Disease Emergence and Ecosystem Health.
- 2006 Geraldine R. Dodge Foundation. Transmission and Prevalence of *Shigella* spp. & *Salmonella* spp. Between Primates and Livestock, Gillespie (Mentor) with M. Lee (Mentee).
- 2005 Environmental Council, University of Illinois. Initiative in Disease Emergence and Ecosystem Health.
- 2005 Wildlife Conservation Society. Ecology of Disease Transmission: Implications for Primate Conservation in Uganda, Gillespie Co-PI with I. Rwegu (PI).
- 2001 – 2004 Environmental Protection Agency (EPA). Science to Achieve Results [EPA STAR] Dissertation Fellowship.
- 2004 International Curriculum Grant. Field Training in Wildlife Disease. University of Florida.

2004	Society for Conservation Biology Travel Grant.
2001	David Niddrie Research Grant, Center for African Studies, U. of Florida.
1997 – 2000	U. of Florida College of Liberal Arts & Sciences Merit Fellowship.
2000	Ford Foundation, African Conservation Program.
1999	NASA, Division of Earth Sciences Conservation Grant.
1998	Sigma Xi Research Grant.
1996	Earth Foundation, Environmental Education for Amazonian Peru.
1992	Illinois State Senate General Assembly Merit Scholarship.
1992	Northern Illinois Academic-Industrial Consortium Fellowship.

### **Appointments**

2024– Present	External Expert, Pillar One Working Group: Understanding Drivers and Risk Factors for Zoonotic Disease Emergence. PREZODE
2020– Present	External Expert, United Nations High Level Political Forum on Sustainable Development (HLPF).
2020– Present	Union for the Conservation of Nature (IUCN) Task Force on Primates 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 ( <a href="http://icte.bio.sunysb.edu/index_files/ictcvb.htm">http://icte.bio.sunysb.edu/index_files/ictcvb.htm</a> ). Other members of this 10-member board include Drs. Patricia Wright, Thomas Lovejoy, Stuart Pimm, Mark Krasnow, and Steig Johnson.
2017 – Present	Scientific Advisory Board, Primate Microbiome Project. <a href="http://www.primatemicrobiome.org/">http://www.primatemicrobiome.org/</a>
2014 – 2020	Board of Directors, PIVOT ( <a href="http://www.pivotworks.org">www.pivotworks.org</a> ), Other members of this 12-member board include Paul Farmer, Edward Norton, Michael Rich, Manu Prakash, and Patricia Wright.

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 ( <a href="http://www.morrisanimalfoundation.org/">http://www.morrisanimalfoundation.org/</a> ), 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

2024 April Keynote Speaker, Provost's Planetary Health Initiative Launch, University of Vermont, Burlington.

- 2023 Sept Keynote Speaker, 15<sup>th</sup> Eastern-Himalaya Forum & International Symposium on Biodiversity & Primate Conservation. Dali, China.
- 2023 Oct Keynote Speaker, American College of Veterinary Pathologists Annual Meeting, Chicago
- 2022 Oct Biodiversity and Health: The Ecology of Infection at the Anthropogenic Interface Keynote Speaker, International Zoonoses Symposium. Berlin, Germany.
- 2022 Oct The Gombe EcoHealth Project: 16 Years of Program Evolution and Lessons Learned. Helmholtz Institute for One Health, Greifswald, Germany.
- 2022 Oct Predicting Multi-Host, Multi-Pathogen Dynamics in Response to Anthropogenic Disturbance. Institute for Evolutionary Ecology and Conservation Genomics. University of Ulm, Ulm, Germany.
- 2022 Sept Biodiversity and Climate Change: How the Health of People and the Planet are Intertwined. CDC Foundation, Atlanta, Georgia, USA.
- 2022 Sept A One Health Approach to Understanding & Mitigating Pathogenic Threats to Wild Primates. Center for Human Evolutionary Studies Seminar Series. Rutgers University, New Brunswick, New Jersey, USA
- 2022 June Biodiversity and Health: The Ecology of Infection at the Anthropogenic Interface. Plenary Speaker, 2022 World Biodiversity Forum. Davos, Switzerland.
- 2022 June Making Pandemics. University Research Priority Programme on Global Change & Biodiversity Seminar, Faculty of Sciences, University of Zurich, Switzerland.
- 2022 May Preventing Pandemics & Saving Species Through Forest Conservation. 2021-22 Saul Endowed Public Lecture. Middlebury College, Vermont.
- 2022 May The Ecology of Infection: Zoonotic Transmission at the Anthropogenic Interface. Department of Biology Seminar. Middlebury College, Vermont.
- 2022 May The Ecology of Infection: Zoonotic Transmission at the Anthropogenic Interface. One Health and Development for a World Under Pressure Symposium Keynote Speaker, Guelph University, Ontario, Canada.
- 2022 May Ecological Approaches for One Health. Faculty of Medicine Seminar. Federal University of Bahia, Brazil.
- 2022 March The Ecology of Infection: Zoonotic Transmission at the Anthropogenic Interface. Division of Infectious Diseases Seminar, School of Medicine, Emory University.
- 2022 Jan 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.
- 2022 Jan 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.

- 2021 Nov Plenary Speaker. Primates and the One Health Interface. 19<sup>th</sup> Congress of the Brazilian Society of Primatology. Brasilia, Brazil.
- 2021 Nov Featured Speaker. Infectious Diseases and Primates: Preventing Pandemics and Saving Species. 43rd Annual Meeting of the American Society of Primatologists. Oklahoma City, USA.
- 2021 May Featured Expert. Biodiversity Conservation in a One Health Approach. 1.5-Hour Panel for UN Diplomatic Community. United Nations General Assembly, New York. (held virtually).
- 2021 May Featured Speaker. State of the Apes. ARCUS Foundation, New York, New York. (held virtually).
- 2021 Jan Featured Speaker. Protecting Nature to Reduce Risk of Future Pandemics. Emory University FacebookLive. 6.5K viewers.  
[https://www.facebook.com/watch/live/?v=1705386452973753&ref=watch\\_permalink](https://www.facebook.com/watch/live/?v=1705386452973753&ref=watch_permalink)
- 2020 Nov United Nations Environment Program External Expert. The Role of Ecosystems in Mitigation and Management of COVID-19 and Other Zoonoses. Ministry of Planning and Development of Trinidad and Tobago. Port of Spain, Trinidad. (held virtually).
- 2020 Nov Featured Speaker. Pathogen Introductions as a Threat to Endangered Primates. Conservation Medicine Virtual Workshop. University of Georgia. Athens. (held virtually).
- 2020 Oct Featured Expert. Advancing the One Health Approach. 1.5-Hour Panel for UN Diplomatic Community. United Nations General Assembly, New York. (held virtually).
- 2020 Oct Keynote Speaker. Disease Ecology: Preventing Pandemics & Saving Species. 5<sup>th</sup> Ecuadorian Mammology Congress. Quito, Ecuador (held virtually).
- 2020 Sept Colloquium Speaker. Preventing Pandemics and Saving Species: Disease Ecology is Where Biodiversity Conservation and Global Health Collide. Emory University, Atlanta, USA (held virtually).
- 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. 4<sup>th</sup> 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. 2<sup>nd</sup> 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. 56<sup>th</sup> 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. 56<sup>th</sup> 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 26<sup>th</sup> 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. 101<sup>st</sup> 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. 53<sup>rd</sup> 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. 28<sup>th</sup> 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. 28<sup>th</sup> 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. 27<sup>th</sup> 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 24<sup>th</sup> 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. 48<sup>th</sup> 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 23<sup>rd</sup> 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. 47<sup>th</sup> 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*). 33<sup>rd</sup> 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 21<sup>st</sup> 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, 1<sup>st</sup> 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 3<sup>rd</sup> 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 18<sup>th</sup> 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 25<sup>th</sup> Congress, Hanoi, Vietnam.
- 2014 Aug Pathogenic Enterobacteria Associated with Anthropogenic Disturbance in Lemur Community at Ranomafana National Park, Madagascar. International Primatological Society 25<sup>th</sup> Congress, Hanoi, Vietnam.
- 2012 Aug Eco-Epidemiology of *Cryptosporidium* Transmission in Relation to Chimpanzee Health in the Greater Gombe Ecosystem, Tanzania. International Primatological Society 24<sup>th</sup> Congress, Cancun, Mexico.
- 2012 July Eco-Epidemiology of *Cryptosporidium* Transmission in Relation to Chimpanzee Health in the Greater Gombe Ecosystem, Tanzania. 61<sup>st</sup> International Wildlife Disease Association Conference, Lyon, France.
- 2010 Nov Anthropogenic Disturbance Increases Prevalence of Pathogenic Protozoa in Wild Rodent Reservoirs in Uganda. 59<sup>th</sup> 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 22<sup>th</sup> Congress, Edinburgh, Scotland.
- 2008 Aug The Kibale EcoHealth Project: bridging conservation and health. International Primatological Society 22<sup>th</sup> Congress, Edinburgh, Scotland.
- 2007 Nov Monkeypox in Uganda. Poxviruses Symposium, 5<sup>th</sup> 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 21<sup>th</sup> Congress, Entebbe, Uganda.
- 2004 Aug Forest fragmentation, host-parasite dynamics, and the decline of an endangered African primate. International Primatological Society 20<sup>th</sup> Congress, Torino, Italy.
- 2004 Aug Behavioral responses of red colobus monkeys to parasitic infection and elevated infection risk. International Primatological Society 20<sup>th</sup> Congress, Torino, Italy.
- 2003 Aug Long-term effects of logging on parasite dynamics in African primate populations. 52<sup>nd</sup> Annual Wildlife Disease Association Conference, Saskatoon, Canada.
- 2003 July Impact of logging-induced ecological change on disease dynamics in African forest primates. 26<sup>th</sup> 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, 41<sup>st</sup> 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 22<sup>nd</sup> 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 13<sup>th</sup> Annual Meeting, University of Maryland (Student Paper Competition Honorable Mention).

## Teaching and Mentoring

### Courses Taught

- **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.

- **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.
- **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 students 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*

2021 – Present	*Jessica Deere PhD, MPH., Gombe One Health Hub Coordinator.
2020 – Present	*Adelaide Miarinjara PhD. Branco Weiss Fellow.
2022 – 2024	Hina Afroz, DVM, Hubert H. Humphrey Fellow.
2021 – 2023	*Chimène Nze-Nkogue, PhD, Hubert H. Humphrey Fellow.
2018 – 2019	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: Associate 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*

2021 – Present	*Natalie Olson MPH, Environmental Health Sciences, Emory University (Committee Member).
2020 – Present	Brooke Talbot MPH, Population Biology, Ecology and Evolutionary Biology, Emory University (Committee Member).
2020 – Present	*Stephen Mugel MSc, Environmental Health Sciences, Emory University. NIH IDASTP Fellow (Primary Advisor)
2018 – 2024	*Mariah Donohue MSc, Biology, University of Kentucky (Committee Member).

- 2018 – 2022 \*Marissa Milstein DVM, Veterinary Medicine. University of Minnesota (Committee Member).
- 2016 – 2022 \*Amanda Vicente MSc, Population Biology, Ecology and Evolutionary Biology, Emory University. Fulbright Scholar. (Primary Advisor).
- 2018 – 2020 Kathleen Barnett, Population Biology, Ecology and Evolutionary Biology, Emory University (Committee Member).
- 2017 – 2019 Kelsey Shaw DVM, Population Biology, Ecology and Evolutionary Biology, Emory University (Committee Member).
- 2016 – 2018 Daniel Desautels, Population Biology, Ecology and Evolutionary Biology, Emory University (Committee Member).
- 2015 – 2017 Kathryn Schaber PhD, Population Biology, Ecology and Evolutionary Biology, Emory University (Committee Member).
- 2014– 2016 Joseph McMillan PhD, Population Biology, Ecology and Evolutionary Biology, Emory University (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 \*Amanda Jo Williams PhD, Population Biology, Ecology and Evolution, Emory University. Dissertation: Bacterial Community Ecology of the Lone Star Tick (*Amblyomma americanum*). (Primary Advisor).
- 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).
- 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).
- 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 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).
- 2011 – 2013 Sarah Guagliardo MPH, PhD, Population Biology, Ecology and Evolution, Emory University. (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).
- 2009 – 2011 Rebecca Levine MPH, PhD, Population Biology, Ecology and Evolution, Emory University (Committee Member).

#### *Masters Advisees*

- 2022– 2024 Tedy Dasher: Environmental Health MPH, Emory University
- 2021 – 2023 Faith Breen: Environmental Sciences, Emory University
- 2021 – 2023 \*Nick An: Environmental Health MPH, Emory University.
- 2021 – 2023 Marisa Wang: Environmental Health MPH, Emory University.
- 2020 – 2022 \*Christie Jones: Environmental Health MPH, Emory University.
- 2019 – 2021 Kacy Nowak, MPH: Global Health, Emory University.
- 2018 – 2020 \*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*).
- 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

- 2019 – 2021 \*Olivia Milloway, Environmental Sciences, Emory University. Effects of anthropogenic habitat disturbance on a sentinel species' gut bacteria.
- 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

- 2021 – 2022 Tedy Dasher, Environmental Sciences BS/MPH, Emory University.
- 2020 – 2022 \*Nick An, Environmental Sciences BS/MPH, Emory University. Interventions to control the human flea, *Pulex irritans*.
- 2019 – 2021 \*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 – 2021 Nishant Satopathy, Biology, Emory University. Microscopy-based non-invasive health monitoring of great apes.
- 2018 – 2020 \*Caroline Olson, Anthropology, Human Biology, and Environmental Sciences BS/MPH, Emory University. Metagenome-Wide Characterization of Antimicrobial Resistance in Rural Madagascar.
- 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

2009 – Present	Chair, Environmental Sciences/Environmental Health BS/MPH Program Committee, Emory University.
2022 – 2023	Director of Graduate Studies, Department of Environmental Sciences, Emory University.
2022 – 2023	Chair, Faculty Search Committee, Applied Socio-Ecological Scientist, Department of Environmental Sciences, Emory University.
2009 – 2023	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

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.
2019– 2024	Steering Committee, NIH T32 Infectious Diseases Across Scales Training Program, Laney Graduate School, Emory University.

2021– 2022	Search Committee, Dean for Rollins School of Public Health.
2021– 2022	Organizing Committee, 2022 Ecology and Evolution of Infectious Diseases Meeting. International Conference to be hosted at the Emory Conference Center.
2020 – 2021	Candidate Evaluation Committee, Vice President for Global Health and Director for the Emory Global Health Institute.
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.
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– Present	External Expert, United Nations High Level Political 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).
2014 – Present	Biodiversity and Health Interest and News, Facebook Group Administrator, 1,224 followers.
2013 – Present	Section for Great Apes, Primate Specialist Group, Species Survival Commission of the Union for the Conservation of Nature (IUCN).
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. <a href="http://www.centrealbio.org">www.centrealbio.org</a>
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.
2013 – 2020	Board of Directors, PIVOT. <a href="http://www.pivotworks.org">www.pivotworks.org</a>
2020	Formal Reviewer, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) Workshop on Biodiversity and Pandemics.
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.”
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<sup>th</sup> Congress, Hanoi, Vietnam.
- 2008 – 2012 National Academy of Science / UNESCO DIVERSITAS ecoHEALTH Working Group.
- 2013 Symposium Chair, Primate Conservation, International Primatological Society 24<sup>th</sup> Congress, Cancun, Mexico.
- 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<sup>th</sup> 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<sup>rd</sup> 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<sup>st</sup> Congress, Entebbe, Uganda.
- 2006 Organizing committee, Midwest Primate Interest Group 3<sup>rd</sup> Annual Meeting, University of Illinois.

Peer Review

- 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.



2020	Formal Reviewer, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) Workshop on Biodiversity and Pandemics.
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."
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
- Ecology Letters
- 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
- Transboundary and Emerging Diseases
- Trends in Parasitology

Select media coverage of research:

- 2024 Newsweek (May 2024)  
Bird Flu in US Cows Part of Wider Trend—'We Have Moved Into New Territory'  
<https://www.newsweek.com/bird-flu-detected-cows-united-states-1905472>
- 2024 Axios (May 2024)  
Bird flu's big question: What's driving its spread  
<https://www.axios.com/2024/05/03/bird-flu-humans-risk-cattle>
- 2024 Axios (May 2024)  
Bird flu's wild range  
<https://www.axios.com/2024/05/04/bird-flu-wildlife-mammals>
- 2023 ProPublica (May 2023)  
Why scientists have a hard time getting money to study the root causes of outbreaks  
<https://www.propublica.org/article/funding-scientists-pandemic-prevention-spillover>
- 2022 Jane Goodall's Good For All News (December 2022)  
Preventing pandemics with data from the forests of Gombe  
<https://news.janegoodall.org/2022/12/08/preventing-pandemics-with-data-from-the-forests-of-gombe/>
- 2022 CNN (September 2022)  
Some of these animals haven't been seen in the wild in decades. Now there are photos <https://www.cnn.com/style/article/marc-schlossman-extinct-endangered-animals-book-scn/index.html>
- 2022 Financial Times (June 2022)  
Preventing Another Covid-19: Ugandan Lab Leads Hunt for Zoonotic Diseases  
<https://www.ft.com/content/5a09992d-aa18-4092-b8de-bb1f3bbc3ccc>
- 2022 Making Pandemics (May 2022 Premiere)  
UNESCO-Supported Feature Film with Juliette Binoche  
<https://courier.unesco.org/en/articles/juliette-binoche-and-marie-monique-robin-its-too-late-be-pessimistic>
- 2022 Emory News Center (May 2022)  
From the Micro to the Macro: Conference to Foster a Holistic Approach to Rising Risks of Infectious Diseases.  
[https://news.emory.edu/stories/2022/05/er-eeid-infectious-disease-conference\\_pandemic-covid-24-05-2022/story.html](https://news.emory.edu/stories/2022/05/er-eeid-infectious-disease-conference_pandemic-covid-24-05-2022/story.html)
- 2022 Axios (April 2022)  
Climate Change Could Spark Animal-to-Human Pandemics.  
<https://www.axios.com/2022/04/28/climate-change-pandemic-virus-species-jumps>
- 2022 The Daily Beast (April 2022)  
How Climate Change Could Lead to a New Pandemic.  
<https://www.thedailybeast.com/why-climate-change-could-lead-to-more-infectious-diseases>
- 2022 New York Times (February 2022)  
When People Take Pandemic Precautions, Gorillas Breathe Easier.  
<https://www.nytimes.com/2022/02/21/health/gorillas-respiratory-illness-colds.html>

- 2021 Axios (September 2021)  
Top Science Advisors: Prepare Now for the Next Pandemic.  
<https://www.axios.com/science-advisers-prepare-next-pandemics-d87fd584-8e40-4c1b-a7c2-331f1ccc5503.html>
- 2021 BioScience (September 2021)  
A Brief Biological History of Quarantine: Modern Use of an Ancient Tool.  
<https://academic.oup.com/bioscience/article/71/9/899/6359320>
- 2021 We Are Nature (June 2021)  
Short film featuring Jane Goodall, Gillespie, and others arguing for a paradigm shift in how we view nature and the rest of life on this planet.  
<https://vimeo.com/556142013>
- 2021 National Public Radio (April 2021)  
The Coronavirus Can Infect Animals. What Does That Mean For the Pandemic?  
[www.wabe.org/episode/the-coronavirus-can-infect-animals-what-does-that-mean-for-the-pandemic](http://www.wabe.org/episode/the-coronavirus-can-infect-animals-what-does-that-mean-for-the-pandemic)
- 2021 BBC World News Live (March 2021)  
Coronavirus and Animals.  
[https://www.youtube.com/watch?v=kieHerZViUw&ab\\_channel=EmoryEnvironmentalSciences](https://www.youtube.com/watch?v=kieHerZViUw&ab_channel=EmoryEnvironmentalSciences)
- 2021 New York Times (February 2021)  
And then the gorillas started coughing  
<https://www.nytimes.com/2021/02/19/opinion/covid-symptoms-gorillas.html>
- 2021 Mongabay (February 2021)  
Ending tropical deforestation is vital to public health, scientists say  
<https://news.mongabay.com/2021/02/ending-tropical-deforestation-is-vital-to-public-health-scientists-say/>
- 2021 Facebook Live Powered by Emory University (January 2021)  
Protecting nature to reduce risk of future pandemics  
<https://fb.watch/2ZBGIWJt-M/>
- 2021 Emory News Center (January 2021)  
San Diego Zoo gorillas contract COVID, raising alarms for great apes in the wild.  
<https://esciencecommons.blogspot.com/2021/01/san-diego-zoo-gorillas-contract-covid.html>
- 2020 BBC World Service Interview (November 2020)  
The war on trees and what it means for disease  
<https://www.bbc.co.uk/sounds/play/w3ct0xb0>
- 2020 Emory News Center (November 2020)  
Valuing 'natural capital' vital to avoid next pandemic, global experts warn  
<https://esciencecommons.blogspot.com/2020/11/valuing-natural-capital-vital-to-avoid.html>

- 2020 Financial Times (October 2020)  
The next pandemic: where is it coming from and how do we stop it?  
<https://www.ft.com/content/2a80e4a2-7fb9-4e2c-9769-bc0d98382a5c>
- 2020 Landscape News (August 2020)  
Preventing future pandemics could depend on sustainable food.  
<https://news.globallandscapesforum.org/46050/preventing-future-pandemics-could-depend-on-sustainable-food/>
- 2020 American Society of Primatologists (August 2020)  
Best Practices in Field Primatology in the Age of COVID-19  
<https://asp.org/conservation/files/ASP-CAN%20Action%20letter%20Issue%201,%20No.%205,%20August%202020.pdf>
- 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](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](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.  
<https://www.sciencemag.org/news/2020/03/infectious-disease-experts-call-nationwide-closure-us-schools-and-business-slow>
- 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)  
In Crisis, Hope Has the Power to Transform.  
<https://news.janegoodall.org/2020/03/16/in-crisis-hope-has-the-power-to-transform/>

- 2020 Emory News Center (March 2020)  
Great Apes and COVID-19: Experts Raise the Alarm for Endangered Species.  
<https://esciencecommons.blogspot.com/2020/03/great-apes-and-covid-19-experts-raise.html>
- 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](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](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](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)  
[http://www.huffingtonpost.com/entry/primates-going-extinct\\_us\\_587fd5b5e4b00d44838cc2fb](http://www.huffingtonpost.com/entry/primates-going-extinct_us_587fd5b5e4b00d44838cc2fb)
- 2017 The Guardian (January 2017)  
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