

Wendy M. Erb

Postdoctoral Associate

2022-2023 Fulbright ASEAN U.S. Scholar

K. Lisa Yang Center for Conservation Bioacoustics, Cornell University

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Education

2012 Ph.D. | Anthropological Sciences | Stony Brook University
2006 M.A. | Anthropological Sciences | Stony Brook University
2001 B.S. | Zoology (*Magna Cum Laude*) | The Ohio State University

Professional Appointments & Affiliations

2020–present Postdoctoral Associate | Cornell Lab of Ornithology | Cornell University
2020–present Faculty Associate | Southeast Asia Program | Cornell University
2018–present Research Associate | Borneo Nature Foundation
2022–2023 Visiting Research Fellow | Institute of Borneo Studies | Universiti Malaysia Sarawak
2019–2020 Visiting Scientist | Lab of Ornithology | Cornell University
2018 Instructor | Ecology, Evolution & Environmental Biology | Columbia University
2016–2021 Research Associate | Anthropology | Rutgers University
2015–2019 Co-Director | Conserving Orangutans through Research & Education (CORE Borneo)
2014–2016 Co-Director | Primates in Indonesia Study Abroad Program | Rutgers University
2013–2016 Postdoctoral Associate | Anthropology | Rutgers University
2012 Adjunct Assistant Professor | Anthropology | CUNY – Lehman College

Publications

Refereed Journal Articles

Harrison, ME, NJ Deere, MA Imron, D Nasi, A Adul, HA Asti, JA Soler, NC Boyd, SM Cheyne, SA Collins, LJ D'Arcy, **WM Erb**, H Green, W Healy, H Hendri, B Holly, PR Houlihan, SJ Husson, I Iwan, KA Jeffers, Ici P. Kulu, Kitso Kusin, NC Marchant, HC Morrogh-Bernard, SE Page, A Purwanto, B Ripoll Capilla, OR de Rivera Ortega, S Santiano, KL Spencer, J Sugardjito, J Supriatna, SA Thornton, FJF van Veen, Y Yulintine, M Struebig. 2023. Impacts of fire and prospects for recovery in a tropical peat forest ecosystem. In Press. Proceedings of the National Academy of Sciences.

Erb, WM, EJ Barrow, AN Hofner, JL Lecorchick, T Mitra-Setia, ER Vogel. 2023. Wildfire smoke linked to vocal changes in wild Bornean orangutans. *iScience*. 26 (7): 107088.

Erb, WM, LM Porter. 2020. Variable infant care contributions in cooperatively breeding groups of wild saddleback tamarins. *American Journal of Primatology*. 82: e23190.

Naumenko, DJ, M Watford, **WM Erb**, SS Utami Atmoko, ER Vogel. 2020. Evaluating ketosis in primate field studies: validation of urine test strips in wild Bornean orangutans, *Pongo pygmaeus wurmbii*. *Folia Primatologica*. 91: 159–167.

Erb, WM, EJ Barrow, AN Hofner, SS Utami Atmoko, ER Vogel. 2018. Wildfire smoke impacts activity and energetics of wild Bornean orangutans. *Scientific Reports*. 8: 7606.

Erb, WM, LM Porter. 2017. Mother's little helpers: What we know (and don't know) about cooperative infant care in callitrichines. *Evolutionary Anthropology*, 26 (1): 25-37.

Vogel, ER, SE Alavi, SS Utami Atmoko, MA van Noordwijk, TD Bransford, **WM Erb**, A Zulfa, F Sulisty, WR Farida, JM Rothman. 2017. Nutritional ecology of wild Bornean orangutans in a peat swamp habitat: effects of age, sex, and season. *American Journal of Primatology*, 79 (4): e22618.

Erb, WM, T Ziegler, NS Lestari, K Hammerschmidt. 2016. Are simakobu (*Simias concolor*) loud calls energetically costly signals? *American Journal of Physical Anthropology*. 161 (1): 44-52.

- Erb, WM**, JK Hodges, K Hammerschmidt. 2013. Individual, contextual and age-related acoustic variation in simakobu (*Simias concolor*) loud calls. PLOS ONE. 8 (12): e83131.
- Erb, WM**, C Borries, NS Lestari, JK Hodges. 2012. Annual variation in ecology and reproduction of wild simakobu (*Simias concolor*). International Journal of Primatology. 33 (6): 1406-1419.
- Erb, WM**, C Borries, NS Lestari, T Ziegler. 2012. Demography of simakobu (*Simias concolor*) and the impact of human disturbance. American Journal of Primatology. 74 (6): 580-590.

Refereed Book Chapters

- Grueter, CC, **WM Erb**, LR Ulibarri, I Matsuda. 2022. Ecology and behaviour of odd-nosed colobines. In Matsuda, I, CC Grueter, JA Teichroeb (eds.) The Colobines: Natural History, Behaviour and Ecological Diversity, Cambridge University Press. pp. 156-185.

Encyclopedia Entries

- Erb, WM**. 2018. Demography in primatology. In Trevathan, W (ed.) The International Encyclopedia of Biological Anthropology. John Wiley & Sons, Inc. Conference Proceedings
- Erb, WM**. 2017. Demography. In Fuentes, A (ed.) The International Encyclopedia of Primatology. John Wiley & Sons, Inc.

Conference Proceedings

- Porter, LM, **WM Erb**, A Di Fiore. 2019. Sex-specific feeding behavior in Weddell's saddleback tamarins (*Leontocebus weddelli*) in northwestern Bolivia. American Journal of Primatology. 81(S1): 39.
- Porter, LM, **WM Erb**. 2019. Inter- and intra-group variation in infant transport in wild Weddell's saddleback tamarins (*Leontocebus weddelli*) in northwestern Bolivia. American Journal of Physical Anthropology. 168(S68): 193.
- Erb, WM**, T Mitra-Setia, ER Vogel. 2018. Determinants of flanged male orangutan ranging: ecology, energetics, and male competition. American Journal of Physical Anthropology. 165(S66): 79.
- Vogel, ER, TD Bransford, SE Alavi, ME Emery Thompson, BE Crowley, **WM Erb**, MA van Noordwijk, M.A., SS Utami Atmoko, D Raubenheimer, JM Rothman. 2017. The power of protein: protein regulation, energetics, and health in wild Bornean orangutan (*Pongo pygmaeus wurmbii*). American Journal of Physical Anthropology 162: 397.
- Naumenko, DJ, M Watford, **WM Erb**, ER Vogel. 2016. Validation of urine test strips to measure relative ketone body levels in wild Bornean orangutans, *Pongo pygmaeus wurmbii*. American Journal of Physical Anthropology. 159(S62): 238-239.
- Porter, LM, **WM Erb**, CL Saire, LM Hernani-Lineros, EE Virgin, A Di Fiore. 2015. Spatial and temporal dynamics among groups of wild Bolivian saddleback tamarins (*Saguinus weddelli*). American Journal of Physical Anthropology. 156(S60): 255-6.
- Erb, WM**, MA van Noordwijk, T Mitra-Setia, TD Bransford, B Spillman, LP Dunkel, M Emery Thompson, ER Vogel. 2015. Energetic effects on the long calls of adult male Bornean orangutans (*Pongo pygmaeus wurmbii*)? American Journal of Physical Anthropology. 156(S60): 129.
- Vogel, ER, JM Rothman, AM Moldawer, TD Bransford, M Emery Thompson, MA van Noordwijk, SS Utami Atmoko, BE Crowley, CD Knott, **WM Erb**, D Raubenheimer. 2015. Coping with a challenging environment: nutritional balancing, health, and energetics in wild Bornean orangutans. American Journal of Physical Anthropology. 156(S60): 314-315.
- Erb, WM**, C Borries, NS Lestari, T Ziegler. 2011. Demography and dispersal of Simakobu (*Simias concolor*) and the impact of human disturbance. American Journal of Primatology. 73: 28.
- Erb, WM**, T Ziegler, K Hammerschmidt. 2010. Do loud calls reflect energy status in male simakobu monkeys (*Simias concolor*)? American Journal of Physical Anthropology. 141(S50): 101.
- Erb, WM**. 2008. Male-male competition in simakobu monkeys (*Simias concolor*): The role of loud calls. Primate Eye. 96: 24.
- Erb, WM**. 2006. Patterns and variation in long-distance communication of simakobu monkeys (*Simias concolor*) on Siberut Island, Indonesia - a pilot study. American Journal of Physical Anthropology. 129(S42): 87.

Erb, WM. 2005. Preliminary investigation of seed dispersal by red-fronted brown lemurs (*Eulemur fulvus rufus*) in Ranomafana National Park, Madagascar. *American Journal of Physical Anthropology*. 126(S40): 100.

Preprints

Erb, WM, W Ross, H Kazanecki, T Mitra-Setia, S Madhusudhana, DJ Clink. 2023. Vocal complexity in the long calls of Bornean orangutans. bioRxiv. doi.org/10.1101/2023.04.05.535487

Manuscripts in Preparation

Owens, AF, K Hockings, MA Imron, S Madhusudhana, MA Niun, T Mitra Setia, M Sharma, SM Soebagio, FJF Van Veen, **WM Erb.** Automated detection of Bornean white-bearded gibbon vocalisations using an open-source framework for deep learning in bioacoustics (Submitted, Remote Sensing in Ecology and Conservation, Dec. 2023)

Erb, WM, W Ross, H Kazanecki, T Mitra-Setia, S Madhusudhana, DJ Clink. Vocal complexity in the long calls of Bornean orangutans (In revision, PeerJ, Apr. 2023)

Erb, WM, NS Lestari. Ranging and intergroup interactions in one-male and all-male groups of simakobu (*Simias concolor*). (In revision, *American Journal of Primatology*, Oct. 2022)

Barrow, EJ, **WM Erb.** A systematic review of the impacts of El Niño-driven drought, fire, and smoke on non-human primates in Southeast Asia (12 pages, planned submission to *Oryx*, Jan. 2024)

Porter, LM, **WM Erb,** R Voyt, L Hernani, A Di Fiore. Maternal care strategies in wild saddleback tamarins (*Leontocebus weddelli*) in northwestern Bolivia (20 pages, planned submission to *American Journal of Primatology*, Jan. 2024)

Erb, WM, A Hingorani, G Bohn, AH Ahmad, S Maimunah, T Mitra Setia, B Ripoll Capilla, NS Boyd, E Estrada, Rido, F van Veen, RA Charif, H Klinck, DJ Clink. Propagation loss and detection distances of the long-distance calls of Borneo's apes (38 pages, planned submission to *Journal of Animal Ecology*, Feb. 2024)

Other Publications

Erb, WM. 2023. To see how smoke affects endangered orangutans, we studied their voices during and after massive Indonesian wildfires. *The Conversation*. <https://theconversation.com/to-see-how-smoke-affects-endangered-orangutans-we-studied-their-voices-during-and-after-massive-indonesian-wildfires-208153>.

Erb, WM, W DePuy. 2023. Hearing the forest through the trees: Sonic entanglements in Nusantara. *Southeast Asia Program Bulletin*. Spring 2023 Bulletin: 16-21.

Erb, WM, K Ossi-Lupo, G McCabe, D Fernández. 2011. Annual meeting of the American Society of Primatologists. *Evolutionary Anthropology*. 21 (1): 3-4.

Lestari, NS, **WM Erb.** 2011. Identification and composition of feeding plant species of simakobu (*Simias concolor*) in northern Siberut Mentawai Archipelago. *Widyariset*. 14 (2): 323-332.

Erb, WM. 2008. Conservation small grant award report: Behavioral ecology of simakobu monkeys (*Simias concolor*) in northern Siberut, Indonesia. *ASP Bulletin*. 32 (1): 8-10.

Erb, WM, EM St. Clair, M Jonas. 2006. From syntax to synapomorphies. *Evolutionary Anthropology*. 15 (4): 119-120.

Grants & Awards

Awards

2010 Sherwood Washburn Prize for Outstanding Student Research, American Association of Physical Anthropologists

2005 Primate Interest Group Student Prize Honorable Mention, American Association of Physical Anthropologists

Fellowships

2021 Fulbright U.S. Scholar (ASEAN Research Program)

2020 Engaged Cornell Faculty Fellowship in Engaged Research

- 2019 American Association of University Women, Postdoctoral Research Fellowship
- 2019 American Institute for Indonesian Studies, AIFIS-Luce Fellowship
- 2018 British Academy Visiting Fellowship (hosted by University of Exeter, UK)
- 2016 Fulbright U.S. Scholar (Indonesia Research Science and Technology)
- 2010 American Association of University Women, American Dissertation Fellowp (Alternate)
- 2005 National Science Foundation, Graduate Research Fellowship (Honorable Mention)

Research & Conservation Grants

- 2023 Hearing the forest through the trees: collaborative science and Indigenous sonic entanglements in East Kalimantan | *Cornell Center for Social Sciences*, \$11,505 (co-PI's Allred, DePuy)
- 2021 Megacity migration: Social-ecological impacts of relocating Indonesia's capital city to a global bio-cultural hotspot | *Atkinson Sustainable Biodiversity Fund*, \$3,300
- 2020 Bioacoustics for landscape-scale Bornean ape conservation | *Conservation, Food and Health Foundation*, \$30,000 (co-PI's Harrison, Dwi Riyan)
- 2020 Megacity migration: social-ecological impacts of relocating Indonesia's capital city to a global bio-cultural hotspot | *Cornell Migrations Initiative*, \$110,391 (co-PI's Klinck, Allred, Beard)
- 2019 Integrating ecological & ethnographic research for conservation in a threatened Bornean landscape | *British Academy*, £9,000
- 2018 Population monitoring of endangered apes to support protection of a threatened Bornean landscape | *Margot Marsh Biodiversity Fund - Conservation International*, \$10,000
- 2018 Population monitoring of endangered apes to support protection of a threatened Bornean landscape | *International Primatological Society Conservation Grant*, \$2,000
- 2018 Bioacoustic monitoring of endangered apes to support protection of a threatened Bornean landscape | *American Association of Physical Anthropologists Cobb Professional Development Grant*, \$7,500
- 2017 Challenging environments and nutritional immunology in wild primates | *National Science Foundation*, \$370,483 (co-PI's Vogel, Rothman on first submission)
- 2016 The integration of research & environmental education to promote Bornean orangutan conservation | *Primate Action Fund - CI*, \$2,500 (PI; co-PI's Vogel, Sugardjito, Atmoko)
- 2015 The integration of research & environmental education to promote Bornean orangutan conservation | *Primate Conservation Inc.*, \$2,075 (PI; co-PI's Vogel, Sugardjito, Atmoko)
- 2014 Saving orangutans with local partners | *Disney Worldwide Conservation Fund*, \$24,950 (PI; co-PI's Vogel, Sugardjito, Atmoko)
- 2014 Direct and indirect fitness benefits of cooperative behavior in wild saddleback tamarins | *Goldberg Research Grant*, \$10,000 (PI; co-PI's Porter, Di Fiore)
- 2013 A training & professional development workshop for Bolivian Biologists | *Primate Action Fund - Conservation International*, \$3,500 (co-PI Porter)
- 2012 Fitness benefits of cooperative behavior in Bolivian saddleback tamarins | *The Leakey Foundation*, \$22,000 (co-PI's Porter, Di Fiore)
- 2008 Population genetics of simakobu (*Simias concolor*) in northern Siberut, Indonesia | *Primate Action Fund - Conservation International*, \$3,500
- 2008 Male-male competition in simakobu monkeys (*Simias concolor*): Strategies & signals | *National Science Foundation DDIG* (BCS-0752504), \$12,818 (PI; co-PI Borries)
- 2008 Behavioral ecology of simakobu monkeys (*Simias concolor*) in northern Siberut, Indonesia | *Margot Marsh Biodiversity Fund - Conservation International*, \$10,000
- 2008 Behavioral ecology of simakobu monkeys (*Simias concolor*) in northern Siberut, Indonesia | *Primate Conservation, Inc.*, \$2,500
- 2007 Behavioral ecology of simakobu monkeys (*Simias concolor*) in northern Siberut, Indonesia | *Primate Action Fund - Conservation International*, \$4,000
- 2007 Behavioral ecology of simakobu monkeys (*Simias concolor*) in northern Siberut, Indonesia | *American Society of Primatologists Research Grant*, \$1,500

- 2006 Behavioral ecology of simakobu monkeys (*Simias concolor*) in northern Siberut, Indonesia | Margot Marsh Biodiversity Fund - Conservation International, \$22,000
- 2005 Intergroup aggression & long-distance communication in simakobu monkeys (*Simias concolor*) | Primate Action Fund - Conservation International, \$2,500
- 2005 Intergroup aggression & long-distance communication in simakobu monkeys (*Simias concolor*) | Primate Conservation, Inc., \$2,000
- 2005 Intergroup aggression & long-distance communication in simakobu monkeys (*Simias concolor*) | Interdepartmental Doctoral Program in Anthropological Sciences, \$700

Invited Talks & Guest Lectures

- 2022 Virtual Lecture | First Year Seminar, Department of Biology, SUNY Purchase College
- 2022 Hybrid Seminar | Institute of Borneo Studies, Universiti Malaysia Sarawak, Malaysia
- 2022 Virtual Lecture | Online Summer Course, Bogor Agricultural Institute, Indonesia
- 2022 Virtual Lecture | Forest Camp Online Summer Course, Mulawarman University, Indonesia
- 2021 Virtual Seminar | CATA Research Group, Université Clermont Auvergne, France
- 2021 Virtual Lecture | Indonesia Fulbright Day, Fulbright's 75th Anniversary, Jakarta, Indonesia
- 2021 Virtual Seminar | Veterinary Medicine Department, Brawijaya University, Indonesia
- 2021 Virtual Seminar | Primate Research Center, Bogor Agricultural Institute, Indonesia
- 2021 Virtual Lecture | Forestry Department, Instiper Yogyakarta College, Indonesia
- 2021 Virtual Lecture | Wildlife Series, @america, U.S. Embassy, Indonesia
- 2021 Virtual Seminar | Wildlife Laboratory, Gadjah Mada University, Indonesia
- 2020 Research Seminar | Wildlife Ecology Lab, Mulawarman University, Indonesia
- 2019 Research Seminar | Behavioral Ecology Group, Stony Brook University
- 2018 Research Seminar | New York Regional Primatology Colloquium, CUNY Graduate Center
- 2018 Research Seminar | Center for Ecology and Conservation, University of Exeter, U.K.
- 2018 Research Seminar | Integrative Conservation PhD Program (ICON), University of Georgia
- 2018 Research Seminar | Anthropology Department, Sacramento State University
- 2017 Research Seminar | Anthropology Department, University of Texas at San Antonio
- 2017 Department Colloquium Series | Anthropology Department, University of Massachusetts
- 2017 Fulbright Research Presentation | Primate Research Center, National University, Indonesia
- 2017 Primate Research Symposium | Forestry Department, Gadjah Mada University
- 2017 Public Lecture: Primate Research Group | Forestry Department, Gadjah Mada University
- 2017 Public Lecture | School of Science & Mathematics, Diponegoro University, Indonesia
- 2017 US Embassy in Malaysia Speaker Series | The Sabah Society, Sandakan, Malaysia
- 2017 US Embassy in Malaysia Speaker Series | Sepilok Orangutan Rehabilitation Center, Malaysia
- 2017 Research Seminar | School of Veterinary Medicine, Gadjah Mada University
- 2017 Research Seminar | Anthropology Department, The University of Auckland, New Zealand
- 2017 Research Seminar | School of Social Sciences, Auckland University of Technology, N.Z.
- 2017 Research Seminar | Institute of Natural and Mathematical Sciences, Massey University, N.Z.
- 2017 Public Symposium: Climate Change Mitigation | National University
- 2017 Anthropology Colloquium | Anthropology Department, Washington University
- 2016 Public Symposium: Wildlife Conservation | Muhammadiyah Palangkaraya University
- 2016 Guest Lecture: Primate Conservation | Biology Department, National University
- 2016 Symposium: Protected Forest Management | Kapuas Agriculture & Forestry, Indonesia
- 2016 Biological Sciences Colloquium | Biological Sciences Department, Fordham University
- 2015 Public Lecture | Anthropology Department, CUNY – Hunter College
- 2015 International Seminar: Food & Environmental Security | National University
- 2015 Research Seminar: Topics in Animal Behavior | University of Pennsylvania
- 2015 Public Lecture | Forestry Department, Palangka Raya University
- 2013 Symposium: Indonesian Wildlife Conservation | Biology Department, National University
- 2008 Research Seminar | Dept. Veterinary Medicine, Bogor Agricultural Institute, Indonesia
- 2007 Research Seminar | Reproductive Biology Department, German Primate Center, Germany

Conference Participation

- 2023 When we listen together: community-led soundscape research to understand social-ecological change (presented by W DePuy). *eBorneo Knowledge Fair*, Miri, Malaysia.
- 2023 Co-creating a “sound” future for conservation in Southeast Asia (keynote). *Symposium for Indonesia-Malaysia Bioacoustics*, Yogyakarta, Indonesia.
- 2022 Propagation loss and detection ranges of the long-distance calls of Borneo’s apes (presented by DJ Clink). *Animal Behavior Society*, San José, Costa Rica.
- 2022 Canaries in the coal mine: Borneo’s apes signal threats from fire and haze. *International Primatological Society*, Quito, Ecuador. Virtual.
- 2021 Wildfire smoke causes vocal changes in orangutans. *Animal Behavior Society*, Virtual.
- 2021 An evaluation of acoustic complexity in the long calls of Bornean orangutans (presented by W. Ross). *Animal Behavior Society*, Virtual.
- 2019 Population monitoring of endangered gibbons and orangutans to support protection of the Rungan landscape. *Integrating ecological & ethnographic research to develop effective conservation in the threatened Rungan landscape*, Palangka Raya, Indonesia.
- 2018 Determinants of flanged male orangutan ranging: ecology, energetics, & male competition. *American Association of Physical Anthropologists*, Austin, TX.
- 2017 Wildfire smoke negatively impacts activity budgets and energy balance of wild Bornean orangutans (*Pongo pygmaeus wurmbii*). *Northeastern Evolutionary Primatologists*, New Haven, CT.
- 2017 Creating conservation partnerships between research stations and local communities. *Engaging Conservation Across Difference: Communities, Science, and Customary Rights in Indonesia*, Jakarta, Indonesia.
- 2017 Effects of forest fire haze on the health and behavior of Bornean orangutans. *Mid-Year Enrichment Conference for American Fulbright Students and Scholars in Southeast Asia*, Manila, Philippines.
- 2016 Wildfire smoke affects wild Bornean orangutan long calls. *International Primatological Society / American Society of Primatologists*, Chicago, IL.
- 2015 Energetic effects on the long calls of adult male Bornean orangutans (*Pongo pygmaeus wurmbii*)? *American Association of Physical Anthropologists*, St. Louis, MO.
- 2014 Do long calls indicate male energy status in Bornean orangutans (*Pongo pygmaeus wurmbii*)? *Northeastern Evolutionary Primatologists*, New Brunswick, NJ.
- 2014 Do long calls indicate male energy status in Bornean orangutans (*Pongo pygmaeus wurmbii*)? *International Primatological Society*, Hanoi, Vietnam.
- 2012 Loud calls as honest signals of male energy status in simakobu (*Simias concolor*). *International Primatological Society*, Cancun, Mexico.
- 2011 Demography and dispersal of Simakobu (*Simias concolor*) and the impact of human disturbance. *American Society of Primatologists*, Austin, TX.
- 2010 Are male loud calls costly signals in a folivorous primate (*Simias concolor*)? *Animal Behavior Society*, Williamsburg, VA.
- 2010 Do loud calls reflect energy status in male simakobu monkeys (*Simias concolor*)? *American Association of Physical Anthropologists*, Albuquerque, NM.
- 2008 Male-male competition in simakobu monkeys (*Simias concolor*): The role of loud calls. *International Primatological Society*, Edinburgh, U.K.
- 2006 Patterns and variation in long-distance communication of simakobu monkeys (*Simias concolor*) on Siberut Island, Indonesia - a pilot study. *American Association of Physical Anthropologists*, Anchorage, AK.
- 2005 Preliminary investigation of seed dispersal by red-fronted brown lemurs (*Eulemur fulvus rufus*) in Ranomafana National Park, Madagascar. *American Association of Physical Anthropologists*, Milwaukee, WI.

Campus Talks

2023	Elements of Indonesian Language and Cultures (INDO 1100) Cornell University
2022	Elements of Indonesian Language and Cultures (INDO 1100) Cornell University
2021	Virtual Sound Analysis Workshop (Malaysia) Cornell Lab of Ornithology
2020	Migrations: A Global, Interdisciplinary, Multi-Species Examination Cornell University
2020	Migrations: Understanding the Implications of a World on the Move Cornell University
2020	Southeast Asia Program, Gatty Lecture Series Cornell University
2019	Center for Conservation Bioacoustics Cornell University
2013	Department of Anthropology Speaker Series Rutgers University
2013	Wednesday Workshops in Anthropology Rutgers University

Teaching & Mentoring

Instructor of Record

2018	Primate Sexuality (1 lecture section) Columbia University
2012	Intro to Human Evolution (1 lecture + lab section) Lehman College

Lab Instructor

2006–2009	Intro to Physical Anthropology (6 lab sections) Stony Brook University
2004	The Living World (1 lab section) Stony Brook University
2003	Organisms to Ecosystems (2 lab sections) Stony Brook University

International Field Program Director & Instructor

2021	Borneo Field Course (Virtual) University of Exeter
2020	Borneo Field Course (Indonesia) University of Exeter
2017–present	Mungku Baru Biodiversity Expedition (Indonesia) Borneo Nature Foundation
2013–2016	Primates, Ecology & Conservation in Indonesia (Indonesia) Rutgers University
2014	Behavior & Conservation of Bolivian Primates (Bolivia) Universidad Amazónica de Pando

Thesis Advisor / Mentor

2021–present	Acoustic indices of Bornean habitats (Frederica Poznansky - PhD) University of Exeter
2021–present	Ethnoprimatology in Rungan landscape (Kristen Morrow - PhD) University of Georgia
2020–present	Passive acoustic monitoring of gibbons (Alasdair Owens - Masters) University of Exeter
2020	Acoustic estimates of avian biodiversity (Hannah Green - Masters) Plymouth University
2020	Orangutan long call acoustics (Ashley Lauria - Masters) Oxford-Brookes University
2016–2018	Orangutan parasite diversity (Asy Falah - Honors) Universitas Gadjah Mada
2016–2018	Orangutan parasite diversity (Putri Dwi - Honors) Universitas Gadjah Mada
2016–2018	Orangutan parasite diversity (Rahmadila Rahardiani - Honors) Universitas Gadjah Mada
2014–2016	Red langur vocal repertoire (Larissa Salaki - Masters) Universitas Indonesia
2014–2016	Orangutan long call acoustics (Emily Martines - Honors) Rutgers University
2009–2012	Simakobu genetics (Fauzan Syamsuri - Masters) Universitas Indonesia
2010	Simakobu dawn calling (Sybil Baby - Masters) Stony Brook University

Research Experience

2022–present	Community-led soundscape monitoring Nusantara, Borneo, Indonesia Collect bioacoustics, ecological, and social data with communities in Indonesia's new capital city location to monitor social-ecological change, threats, & impacts; Collaborators: Walker DePuy, Chandra Boher, Rustam Fahmy, Holger Klinck, Shorna Allred
2018–present	Ape population monitoring Mungku Baru Education Forest, Borneo, Indonesia Collect bioacoustic and habitat data across diverse forest types; establish ecological monitoring system for endangered gibbon and orangutan populations in a threatened Bornean landscape; Collaborators: Frank Van Veen, Mark Harrison, Bernat Ripoll

- 2016–2017 Orangutan parasitology | Veterinary Medicine Department, UGM, Indonesia
Examined Bornean orangutan fecal samples for gastrointestinal parasite diversity via sedimentation and trichrome-staining; Collaborators: Wisnu Nurcahyo, Ivona Foitova
- 2014–2016 Orangutan energetics & stress | Hominoid Reproductive Ecology Lab, University of New Mexico; Laboratory for Primate Dietary Ecology & Physiology, Rutgers University
Analyzed urine samples from Bornean orangutans to assess C-peptide, creatinine, cortisol, testosterone using radioimmunoassay (RIA), enzyme-linked immunosorbent assay (ELISA) and colorimetric Jaffe reactions; Collaborators: Erin Vogel, Melissa Emery Thompson
- 2013–2016 Orangutan long calls, energy, & health | Tuanan Research Station, Borneo, Indonesia
Collected behavioral, ranging, and acoustic data, fecal and urine samples from male orangutans; Collaborators: Erin Vogel, Tatang Mitra-Setia, Sri Suci Utami Atmoko
- 2013–2014 Tamarin cooperative infant care | Tahuamanu, Pando, Bolivia
Co-directed field research involving collection of behavioral, ranging, and genetic data from saddleback tamarins (*Leontocebus weddelli*); Collaborators: Leila Porter, Tony Di Fiore
- 2006, 2009 Acoustic analysis of simakobu loud calls | Cognitive Ethology Unit, German Primate Center
Analyzed acoustic features of simakobu (*Simias concolor*) loud calls recorded during 2005–2008 fieldwork; Collaborators: Julia Fischer, Kurt Hammerschmidt
- 2005–2008 Male-male competition in simakobu | Pungut, Siberut Island, Indonesia
Habituated, collected behavioral, demographic, ranging and acoustic data from 10 simakobu groups; established botanical plots, created herbarium, and collected phenological data
- 2004 Brown lemur seed dispersal | Ranomafana National Park, Madagascar
Collected behavioral and ranging data from red-fronted brown lemur groups (*Eulemur fulvus rufus*); collected and analyzed fecal samples for seeds; conducted seed germination trials

Professional Service

- 2021 Selection panelist | Fulbright Indonesia Master’s Degree Program
- 2021 Selection panelist | Fulbright U.S. Visiting Scholar to Indonesia
- 2019 Conference organizer | “Integrating Ecological and Ethnographic Research for Effective Conservation of the Threatened Rungan Landscape”, Palangka Raya, Indonesia
- 2018–present Member | IUCN SSC Primate Specialist Group: S.E. Asia Section
- 2018–2019 Mentor for high school girls | 1000 Girls, 1000 Futures | New York Academy of Sciences
- 2018–2019 Mentor | Student Conference on Conservation & Science | AMNH
- 2017 Conference organizer | “Engaging Conservation Across Difference: Communities, Science, and Customary Rights in Indonesia”, Jakarta, Indonesia
- 2016–present Member | Ad hoc committee on diversity | International Primatological Society
- 2016–2019 Mentoring circle leader | Women in Natural Sciences, American Museum of Natural History
- 2015–present Member | Conservation committee | American Society of Primatologists
- 2015–present Scientific advisory board member | Primate Conservation, Inc.
- 2013–present Associate member | Center for Human Evolutionary Studies | Rutgers University
- 2010–present Grant reviewer | Primate Conservation, Inc.; Graduate Women in Science; American Society of Primatologists
- 2005–present Manuscript reviewer | American Journal of Biological Anthropology; American Journal of Primatology; Animal Behaviour; Asian Primates; Behavioral Ecology; Behaviour; Cambridge University Press; Current Biology; Ecosphere; Evolutionary Anthropology; Folia Primatologica; International Journal of Primatology; Oxford University Press; PLOS One; Primate Conservation

University Service

- 2023–present Selection panelist and mentor | Katharine B. Payne Fellows Program in Conservation Bioacoustics
- 2022–present Selection panelist and mentor | Bioacoustics Equipment and Training Program
- 2021 Selection panelist | Cornell Atkinson Center Sustainable Biodiversity Fund

- 2020–present Facilitator | DEIJ Committee | Center for Conservation Bioacoustics, Cornell University
Co-founded and advise committee to promote diversity, equity, inclusion, and justice
- 2014–2016 Faculty advisor | Rutgers University for Primate Conservation | Rutgers University
Co-founded and advised undergraduate student club
- 2015 Ambassador to Indonesia | Faculty and Staff Ambassadors Program | Rutgers University
Outreach program to strengthen Rutgers’ research and education partnerships in Indonesia
- 2013 Workshop organizer | Rutgers-UNAS Educational Partnership | Rutgers University Co-led
organizational workshop for education partnership between Rutgers and Universitas
Nasional
- 2003 General education assessment panelist | Provost | Stony Brook University Panel to assess
effectiveness of and improve teaching methods in undergrad biology

Science Communication & Outreach

- 2023 Lecture: bioacoustics | Mentawir Elementary School, Indonesia (all grades)
- 2023 Field trip: bioacoustics research | Mungku Baru Education Forest, Indonesia (high school)
- 2022 Workshop: introduction to bioacoustics | Forestry Department, Universitas Mulawarman
- 2021 Virtual Lecture: research & conservation | Lab of Ornithology Virtual Visitors’ Center
- 2020 Virtual Lecture: research overview | AAUW, Long Island Chapter
- 2020 Virtual Lecture: primate research & conservation | Homey School, Palangkaraya (2nd grade)
- 2020 Virtual Lecture: preparing a review article | Writing in Ecology, University of Connecticut
- 2020 Virtual Lecture: primate research & conservation | Bishop Elementary, MI (2nd grade)
- 2020 Virtual Lecture: primate research & conservation | Pine Cobble School, MA (preschool)
- 2020 Virtual Lecture: primate research & conservation | Devereux Community Adult Autism
Partnership Program, PA (autistic adults)
- 2020 Virtual Lecture: primate research & conservation | Washington Elementary, OH (2nd grade)
- 2020 Virtual Lecture: primate research & conservation | Arts and Letters School, NY (3rd grade)
- 2020 Virtual Lecture: primate research & conservation | Chabot Elementary, CA (2nd grade)
- 2019 Workshop: conservation bioacoustics | Student Conference for Conservation Science, NY
- 2019 Lecture: bioacoustics research & conservation | Mungku Baru School (high school)
- 2019 Lecture: preparing for academic life in the U.S. | Fulbright Pre-departure orientation |
Jakarta, Indonesia (Indonesian student scholars)
- 2019 Lecture: primate research & conservation | Columbia Secondary School, NY (12th grade)
- 2019 Lecture: primate research and conservation | U.N. International School, NY (2nd grade)
- 2019 Workshop: academic writing (3 days) | Universitas Negeri Papua (faculty)
- 2017 Lecture: scientific publishing | Universitas Diponegoro (faculty)
- 2017 Workshop: scientific publishing (1 day) | Universitas Gadjah Mada (faculty)
- 2016 Lecture: careers in primatology | Medina High School, OH (10th grade)
- 2015–2016 Workshop: orangutan research & education | Kapuas, Indonesia (government)
- 2015–2016 Workshops: environmental education & forest conservation | Kapuas, Indonesia (7 villages)
- 2016 Guest Scientist: Spotlight Asia | American Museum of Natural History (public)
- 2014–2015 Forest School: peatland ecology & orangutan conservation | Tuanan, Indonesia (elementary
school)
- 2013 Workshop: trash pollution education | Tuanan, Indonesia (elementary students)
- 2012 Lecture: primate conservation | Medina Middle School, OH (7th grade)
- 2004 Course: English language (weekly) | Ranomafana, Madagascar (adults)

Professional Development & Training

- 2022 Translational Research Summer Institute (4 days) | Brofenbrenner Center for Translational
Research, Cornell University
- 2018 Sound Analysis Workshop (5 days) | Lab of Ornithology, Cornell University
- 2018 Evidence-Based Teaching in Science (4 weeks) | Center for Teaching and Learning,
Columbia University

- 2016 Creativity & Behavior Change (1 day) | Primate Education Network, International Primatological Society
- 2016 Conservation Teaching & Learning (3 days) | Network of Conservation Educators and Practitioners, American Museum of Natural History
- 2016 NextProf Science: Diversifying Academia (3 days) | University of Michigan
- 2015 Resource Assisted Initiatives in Science Empowerment for Women (1 year) | CUNY – Hunter College
- 2015 Early-Career Women’s Professional Development (1 day) | American Association of Physical Anthropologists
- 2010 Communicating Science (1 day) | Stony Brook University School of Journalism

Media Appearances & Coverage

- 2023 Research featured in “Wendy Marie Erb: Dream of Understanding Animals Comes True in Indonesia” | Mongabay Indonesia | <https://www.mongabay.co.id/2023/11/27/wendy-marie-erb-impian-mengerti-satwa-terwujud-di-indonesia/>
- 2023 Research featured in “How Megafires Are Remaking the World” | The New York Times | www.nytimes.com/2023/10/15/science/climate-wildfires-ecosystems.html
- 2023 Research featured in “Just like People, Orangutans Get Smoker's Voice” | Science Quickly Podcast, Scientific American | www.scientificamerican.com/podcast/episode/just-like-people-orangutans-get-smokers-voice
- 2023 Coverage of article “Wildfire smoke linked to vocal changes in wild Bornean orangutans” | Fortune, Yahoo! News, Cornell Chronicle
- 2022 Research featured in “Wildfire smoke is terrible for you. But what does it do to cows?” | Wired and Mother Jones | www.wired.com/story/wildfire-smoke-is-terrible-for-you-but-what-does-it-do-to-cows
- 2022 Interviewed for “How orangutans changed their behavior after devastating fires” | Atlas Obscura
- 2021 Research featured in “How does wildfire smoke affect wildlife? Here's what we know.” | National Geographic | www.nationalgeographic.com/animals/article/how-does-wildfire-smoke-affect-wildlife
- 2021 Research featured in “Wildfires can still impact wildlife hundreds of miles away” | Wyoming Public Radio | ww.wyomingpublicmedia.org/open-spaces/2021-09-17/wildfires-can-still-impact-wildlife-hundreds-of-miles-away
- 2021 Research featured in “What scientists know about wildfire smoke and its impact on wild animal health” | Discover Magazine | www.discovermagazine.com/planet-earth/what-scientists-know-about-wildfire-smoke-and-its-impact-on-wild-animal
- 2019 Coverage of conference “Integrating ecological and ethnographic research for effective conservation of the threatened Rungan landscape” | Kompas, Antara
- 2018 Coverage of article “Wildfire smoke negatively impacts activity budgets and energy balance of Wild Bornean orangutans” | International Business Times
- 2016 Interviewed for “Why aren't these lemurs singing in harmony?” | Christian Science Monitor
- 2015 Interviewed for “Orangutans cup their mouths to alter their voices” | BBC News

Languages

- Gayogohó:nq' Elementary proficiency in reading and speaking
- Dayak Ngaju Elementary proficiency in reading and speaking
- Spanish Advanced fluency in reading, writing, and speaking
- Indonesian Advanced fluency in reading, writing, and speaking

Professional Memberships

American Association of Physical Anthropologists

American Society of Primatologists
Animal Behavior Society
International Primatological Society

Professional References

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