

CURRICULUM VITAE

JORDAN KARUBIAN

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PROFESSIONAL POSITIONS

- 2021 – PROFESSOR
Tulane University, *Department of Ecology and Evolutionary Biology*
- 2011 CO-FOUNDER & BOARD DIRECTOR
FCAT (Foundation for the Conservation of the Tropical Andes). [Web link](#)
- 2022 – FOUNDER & DIRECTOR
TIERA (Tulane Interdisciplinary Environmental Research & Action) Program. [Web link](#)
- 2016 – 2021 ASSOCIATE PROFESSOR
Tulane University, *Department of Ecology and Evolutionary Biology*
- 2010 – 2015 ASSISTANT PROFESSOR
Tulane University, *Department of Ecology and Evolutionary Biology*
- 2007 – 2020 ASSOCIATE RESEARCHER
University of California, Los Angeles, *Institute of the Environment and Sustainability, Center for Tropical Research*
- 2004 – 2007 ASSISTANT RESEARCHER
University of California, Los Angeles, *Institute of the Environment and Sustainability, Center for Tropical Research*
- 2004 - 2006 NSF INTL. RESEARCH FELLOW (*Sponsor: Dr. D. Romo*)
Universidad San Francisco de Quito, Ecuador, *Dept. of Biology*

- 2002 –2020 LATIN AMERICA DIRECTOR
University of California, Los Angeles, *Institute of the Environment and Sustainability, Center for Tropical Research*
- 2002 - 2004 POST-DOCTORAL FELLOW (*Sponsor: Dr. T.B. Smith*)
University of California, Los Angeles, *Dept. Org. Biol. Ecol. & Evol. & Center for Tropical Research*

EDUCATION

- 2001 PH.D. (*Advisor: Dr. S. Pruett-Jones*)
The University of Chicago, Department of Ecology & Evolution
- 1997 M.S. (*Advisor: Dr. S. Pruett-Jones*)
The University of Chicago, Department of Ecology & Evolution
- 1993 B.S. (*Advisor: Dr. J. Bradbury*)
University of California, San Diego, Dept. Ecology, Behavior & Evolution

HONORS, AWARDS & BOARD MEMBERSHIPS

- 2024 *Ralph W. Schreiber Conservation Award*, American Ornithological Society, honoring extraordinary conservation-related scientific contributions by an individual or small team.
- 2024 *Distinguished Research Professor Award*, School of Science & Engineering, Tulane University
- 2022 *Diversity & Outreach Faculty Award*, School of Science & Engineering, Tulane University
- 2022-23 *Fulbright Fellow*, Fulbright US Scholars Program (Ecuador)
- 2021-22 *Duren Professor*, Newcomb-Tulane College, Tulane University
- 2020-21 *Inaugural Scholar-In-Residence*, Center for Public Service. Tulane University
- 2019 *Fellow*, American Ornithological Society
- 2018-20 *Fellow*, Mellon Graduate Program in Community-Engaged Scholarship. Tulane University
- 2016–22 *Board Member*, Jocotoco Foundation (Ecuador)

- 2014 *Elective Member*, American Ornithologists Union
- 2013 *Biotropica Award for Excellence in Tropical Biology and Conservation*, Association for Tropical Biology and Conservation
- 2012 - 18 *Kylene and Brad Beers Professorship in Social Entrepreneurship*. Tulane University
- 2012 *Ernest A. Lynton Award for the Scholarship of Engagement for Early-Career Faculty*, New England Resource Center for Higher Education
- 2004 *International Research Fellow*, National Science Foundation
- 2003 *Fulbright Fellow*, U.S. Scholars Program (Ecuador)
- 2000 *Nellie Johnson Baroody Award for Best Student Presentation*, American Ornithologist's Union
- 1997 - 99 *Graduate Fellowship*, University of Chicago

RESEARCH ARTICLES

- Lamperty, T., Diaz-Martin, Z., Swamy, V., Karubian, J., Choo, J., & Dunham, A. (2024). Defaunation is associated with increased fine-scale spatial genetic structure in a small-seeded palm despite high abundances of small-bodied seed dispersers. *Molecular Ecology*. <https://doi.org/10.22541/au.171610931.12239533/v1>
- Sin, S. Y. W., Ke, F., Chen, G., Huang, P.-Y., Enbody, E. D., Karubian, J., Webster, M. S., & Edwards, S. V. (2024). Genetic Basis and Evolution of Structural Color Polymorphism in an Australian Songbird. *Molecular Biology and Evolution*, *41*(3), msae046. <https://doi.org/10.1093/molbev/msae046>
- Anderson, H. L., Olivo, J., & Karubian, J. (2023). The adaptive significance of off-lek sociality in birds: A synthetic review, with evidence for the reproductive benefits hypothesis in Long-wattled Umbrellabirds. *Ornithology*, *140*(3), ukad021. <https://doi.org/10.1093/ornithology/ukad021>
- Boersma, J., Enbody, E. D., Ketaloya, S., Watts, H. E., Karubian, J., & Schwabl, H. (2023). Does capacity to produce androgens underlie variation in female ornamentation and territoriality in White-shouldered Fairywren (*Malurus alboscapulatus*)? *Hormones and Behavior*, *154*, 105393. <https://doi.org/10.1016/j.yhbeh.2023.105393>
- Diaz-Martin, Z., Browne, L., Cabrera, D., Olivo, J., & Karubian, J. (2023). Impacts of Flowering Density on Pollen Dispersal and Gametic Diversity Are Scale Dependent. *The American Naturalist*, *201*(1), 52–64. <https://doi.org/10.1086/721918>

- Escobar, S., Vigouroux, Y., Karubian, J., Zekraoui, L., Balslev, H., & Montúfar, R. (2023). Limited seed dispersal shapes fine-scale spatial genetic structure in a Neotropical dioecious large-seeded palm. *Biotropica*, 55(1), 160–172. <https://doi.org/10.1111/btp.13172>
- Hendrix, T. C., Fernandez-Duque, F., Toner, S., Hitt, L. G., Thady, R. G., Massa, M., Hagler, S. J., Armfield, M., Clarke, N., Honscheid, P., Khalil, S., Hawkins, C. E., Lantz, S. M., Welklin, J. F., Swaddle, J. P., Webster, M. S., & Karubian, J. (2023). Behavioural differences between ornamented and unornamented male Red-backed Fairywrens (*Malurus melanocephalus*) in the nonbreeding season. *Emu - Austral Ornithology*, 123(2), 176–181. <https://doi.org/10.1080/01584197.2023.2182224>
- Hitt, L. G., Khalil, S., Blanchette, A., Finkelstein, M. E., Iverson, E. N. K., McClelland, S. C., Durães Ribeiro, R., & Karubian, J. (2023). Lead exposure is correlated with reduced nesting success of an urban songbird. *Environmental Research*, 227, 115711. <https://doi.org/10.1016/j.envres.2023.115711>
- Huh, K. M., Ellis, M., Castillo, F., Carrasco, L., Rivero de Aguilar, J., Bonaccorso, E., Browne, L., & Karubian, J. (2023). Hummingbird diversity in a fragmented tropical landscape in the Chocó biogeographic zone. *Biotropica*, 55(2), 418–429. <https://doi.org/10.1111/btp.13196>
- Jones, J. A., Feeney, W. E., Jones, D. N., Nason, D., Ketaloya, S., & Karubian, J. (2023). *Impacts of mate quality on female intrasexual aggression in two sister Malurus fairywren species* (p. 2023.10.19.563140). bioRxiv. <https://doi.org/10.1101/2023.10.19.563140>
- Ke, A., Cedeño, E., Karubian, J., Carrasco, L., Castillo, F., Gonzales, N., & Karp, D. S. (2023). Cavity-nesting birds are limited by nesting habitat in Neotropical agricultural landscapes. *Biotropica*, 55(5), 1045–1057. <https://doi.org/10.1111/btp.13252>
- Khalil, S., Enbody, E. D., Frankl-Vilches, C., Welklin, J. F., Koch, R. E., Toomey, M. B., Sin, S. Y. W., Edwards, S. V., Gahr, M., Schwabl, H., Webster, M. S., & Karubian, J. (2023). Testosterone Coordinates Gene Expression Across Different Tissues to Produce Carotenoid-Based Red Ornamentation. *Molecular Biology and Evolution*, 40(4), msad056. <https://doi.org/10.1093/molbev/msad056>
- Narasimhan, K., Karubian, J., & Tirira, D. G. (2023). Primer registro confirmado de *Neogale frenata* (Carnivora, Mustelidae) en los bosques húmedos del Chocó. *Mammalia aequatorialis*. <https://www.mammalia-aequatorialis.org/index.php/boletin/article/view/59>
- Sin, S. Y. W., Ke, F., Chen, G., Huang, P.-Y., Enbody, E., Karubian, J., Webster, M. S., & Edwards, S. V. (2023). *Genetic basis and evolution of structural color polymorphism in an Australian songbird* (p. 2023.09.03.556140). bioRxiv. <https://doi.org/10.1101/2023.09.03.556140>

- Welklin, J. F., Lantz, S. M., Khalil, S., Moody, N. M., Karubian, J., & Webster, M. S. (2023). Photoperiod and rainfall are associated with seasonal shifts in social structure in a songbird. *Behavioral Ecology*, *34*(1), 136–149. <https://doi.org/10.1093/beheco/arac110>
- Boersma, J., Enbody, E. D., Karubian, J., Watts, H. E., & Schwabl, H. (2022). Drought disrupts year-round breeding readiness in a tropical songbird. *Avian Conservation and Ecology*, *17*(2). <https://doi.org/10.5751/ACE-2343-170244>
- Boersma, J., Jones, J. A., Enbody, E. D., Welklin, J. F., Ketaloya, S., Nason, D., Karubian, J., & Schwabl, H. (2022). Male White-shouldered Fairywrens (*Malurus alboscapulatus*) elevate androgens greater when courting females than during territorial challenges. *Hormones and Behavior*, *142*, 105158. <https://doi.org/10.1016/j.yhbeh.2022.105158>
- Enbody, E. D., Sin, S. Y. W., Boersma, J., Edwards, S. V., Ketaloya, S., Schwabl, H., Webster, M. S., & Karubian, J. (2022). The evolutionary history and mechanistic basis of female ornamentation in a tropical songbird. *Evolution*, *76*(8), 1720–1736. <https://doi.org/10.1111/evo.14545>
- Jones, J. A., Boersma, J., & Karubian, J. (2022). Female aggression towards same-sex rivals depends on context in a tropical songbird. *Behavioural Processes*, *202*, 104735. <https://doi.org/10.1016/j.beproc.2022.104735>
- Jones, J. A., Boersma, J., Liu, J., Nason, D., Ketaloya, S., & Karubian, J. (2022). Female ornamentation does not predict aggression in a tropical songbird. *Behavioral Ecology and Sociobiology*, *76*(4), 57. <https://doi.org/10.1007/s00265-022-03165-x>
- Lueder, S., Narasimhan, K., Olivo, J., Cabrera, D., Jurado, J. G., Greenstein, L., & Karubian, J. (2022). Functional Traits, Species Diversity and Species Composition of a Neotropical Palm Community Vary in Relation to Forest Age. *Frontiers in Ecology and Evolution*, *10*. <https://www.frontiersin.org/articles/10.3389/fevo.2022.678125>
- Diaz-Martin, Z., & Karubian, J. (2021). Forest cover at landscape scales increases male and female gametic diversity of palm seedlings. *Molecular Ecology*, *30*(18), 4353–4367. <https://doi.org/10.1111/mec.16060>
- Jones, J. A., Odom, K. J., Hoppe, I. R., Nason, D., Ketaloya, S., & Karubian, J. (2021). Correlated evolution of distinct signals associated with increased social selection in female white-shouldered fairywrens. *Ecology and Evolution*, *11*(23), 17352–17363. <https://doi.org/10.1002/ece3.8370>
- Lamperty, T., Karubian, J., & Dunham, A. E. (2021). Ecological drivers of intraspecific variation in seed dispersal services of a common neotropical palm. *Biotropica*, *53*(4), 1226–1237. <https://doi.org/10.1111/btp.12966>
- Leberg, S. S., Barriga, R., Bart, H., Olivo, A., Narasimhan, K., & Karubian, J. (2021). Richness and abundance of stream fish communities in a fragmented neotropical landscape.

Environmental Biology of Fishes, 104(3), 239–251.

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Welklin, J. F., Lantz, S. M., Khalil, S., Moody, N. M., Karubian, J., & Webster, M. S. (2021). Social and abiotic factors differentially affect plumage ornamentation of young and old males in an Australian songbird. *Animal Behaviour*, 182, 173–188.

<https://doi.org/10.1016/j.anbehav.2021.10.007>

Boersma, J., Enbody, E. D., Jones, J. A., Nason, D., Lopez-Contreras, E., Karubian, J., & Schwabl, H. (2020). Testosterone induces plumage ornamentation followed by enhanced territoriality in a female songbird. *Behavioral Ecology*, 31(5), 1233–1241.

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Cook, R. N., Ramirez-Parada, T., Browne, L., Ellis, M., & Karubian, J. (2020). Environmental correlates of richness, community composition, and functional traits of terrestrial birds and mammals in a fragmented tropical landscape. *Landscape Ecology*, 35(12), 2825–2841.

<https://doi.org/10.1007/s10980-020-01123-4>

Geary, B., Leberg, P. L., Purcell, K. M., Walter, S. T., & Karubian, J. (2020). Breeding Brown Pelicans Improve Foraging Performance as Energetic Needs Rise. *Scientific Reports*, 10(1), Article 1. <https://doi.org/10.1038/s41598-020-58528-z>

Khalil, S., Welklin, J. F., McGraw, K. J., Boersma, J., Schwabl, H., Webster, M. S., & Karubian, J. (2020). Testosterone regulates CYP2J19-linked carotenoid signal expression in male red-backed fairywrens (*Malurus melanocephalus*). *Proceedings of the Royal Society B: Biological Sciences*, 287(1935), 20201687. <https://doi.org/10.1098/rspb.2020.1687>

Ramirez-Parada, T., Cabrera, D., Diaz-Martin, Z., Browne, L., & Karubian, J. (2020). Resource-related variables drive individual variation in flowering phenology and mediate population-level flowering responses to climate in an asynchronously reproducing palm. *Biotropica*, 52(5), 845–856. <https://doi.org/10.1111/btp.12792>

Enbody, E. D., Boersma, J., Jones, J. A., Chatfield, M. W. H., Ketaloya, S., Nason, D., Baldassarre, D. T., Hazlehurst, J., Gowen, O., Schwabl, H., & Karubian, J. (2019). Social organisation and breeding biology of the White-shouldered Fairywren (*Malurus alboscapulatus*). *Emu - Austral Ornithology*, 119(3), 274–285.

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- McClelland, S. C., Durães Ribeiro, R., Mielke, H. W., Finkelstein, M. E., Gonzales, C. R., Jones, J. A., Komdeur, J., Derryberry, E., Saltzberg, E. B., & Karubian, J. (2019). Sub-lethal exposure to lead is associated with heightened aggression in an urban songbird. *Science of The Total Environment*, *654*, 593–603. <https://doi.org/10.1016/j.scitotenv.2018.11.145>
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- Browne, L., Ottewell, K., Sork, V. L., & Karubian, J. (2018). The relative contributions of seed and pollen dispersal to gene flow and genetic diversity in seedlings of a tropical palm. *Molecular Ecology*, *27*(15), 3159–3173. <https://doi.org/10.1111/mec.14768>
- Enbody, E. D., Boersma, J., Schwabl, H., & Karubian, J. (2018). Female ornamentation is associated with elevated aggression and testosterone in a tropical songbird. *Behavioral Ecology*, *29*(5), 1056–1066. <https://doi.org/10.1093/beheco/ary079>
- Hazlehurst, J. A., & Karubian, J. O. (2018). Impacts of nectar robbing on the foraging ecology of a territorial hummingbird. *Behavioural Processes*, *149*, 27–34. <https://doi.org/10.1016/j.beproc.2018.01.001>
- Mahoney, M. C., Browne, L., Diaz-Martin, Z., Olivo, J., Cabrera, J., Gonzalez, M., Hazelhurst, J., & Karubian, J. (2018). FRUIT REMOVAL BY LARGE AVIAN FRUGIVORES VARIES IN RELATION TO HABITAT QUALITY IN CONTINUOUS NEOTROPICAL RAINFOREST. *Ornitología Neotropical*, *29*, 247–254. <https://doi.org/10.58843/ornneo.v29i1.334>

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BOOK CHAPTERS

- Karubian, J., & Durães, R. (2014). Chapter 14 - Impacts of Mating Behavior on Plant–Animal Seed Dispersal Mutualisms: A Case Study from a Neotropical Lek-Breeding Bird. In R. H. Macedo & G. Machado (Eds.), *Sexual Selection* (pp. 365–390). Academic Press. <https://doi.org/10.1016/B978-0-12-416028-6.00014-1>

POPULAR ARTICLES & MEDIA

Karubian, J., Browne, L., & Alliaga, M. (2016). *Biodiversity in forest fragments of the Mache Chindul Reserve*. DVD with 5 films, results and photos for fragment owners & local residents and the Ministry of the Environment. Ecuador.

Browne, L., Gonzalez, & Karubian, J. (2015). *Biodiversity in forest fragments of the Mache Chindul Reserve*. Technical report for local residents and the Ministry of the Environment. Ecuador.

Karubian, J. (2011, July). *The Long-wattled Umbrellabird: The feathered gardeners of the Choco*. 72, 8–18.

Karubian, J. (2010, February). Pompadours in the palms. *Natural History Magazine*, 119, 28–32.

Karubian, J. (2009, May 10). The secret life of the Long-wattled Umbrellabird. *El Comercio Newspaper*.

GRANTS

2024 - *Equity, Diversity & Inclusion: TIERA Ecuador Program*. Tulane Office of the President.

2022 - *Equity, Diversity & Inclusion: TIERA Ecuador Program*. Tulane Office of the President.

2021 - *RAPID: From microbes to new tropical forests: an experimental test of fungal specialization on host tree genotypes in the context of a reforestation experiment*. National Science Foundation (coPI).

- *A Community-based Approach to the Conservation of Neotropical migratory birds in the Ecuadorian Chocó V*. United States Fish & Wildlife Service (coPI)

- *Collaborative Research: BEE: Impacts of abiotic environment, pathogen resistance and Pre-Columbian human management on Neotropical canopy palm abundances*. National Science Foundation (PI)

- *Fulbright Fellowship: Ecological Research, Education and Training in a Biodiversity Hotspot*. Fulbright US Scholars Program

2020 - *A Community-based Approach to the Conservation of Neotropical migratory birds in the Ecuadorian Chocó IV*. United States Fish & Wildlife Service (coPI)

- *Collaborative Research: International: Socio-ecological training in a tropical landscape*. National Science Foundation (PI)

- *Bywater Interdisciplinary Fellowship*. Tulane University (PI)
 - *Protected area establishment to conserve the endangered banded-ground cuckoo*. Rainforest Trust. (coPI)
- 2019
- *Umbrellabird Conservation in the Chocó*. Disney Conservation Fund (PI)
 - *Linking community-engaged research with sustainable forestry to achieve lasting conservation in the Ecuadorian Chocó*. United States Fish & Wildlife Service (PI)
- 2018
- *Bridge Fund*. Tulane University (PI)
 - *Banded ground-cuckoo Conservation*. National Geographic Society (coPI).
- 2017
- *Impacts of Sub-lethal Exposure to Lead on Physiology, Behavior, and Reproductive Success of a Common Urban Songbird, the Northern Mockingbird*. Morris Animal Foundation (PI)
 - *DISSERTATION RESEARCH: Female ornamentation in the White-shouldered Fairywren: Proximate mechanisms and adaptive function*. National Science Foundation #IOS-1701781 (with Erik Enbody)
 - *Assessment of coastal island restoration practices for the creation of brown pelican nesting habitat*. Restore Act 'Center of Excellence' (coPI)
 - *Umbrellabird Conservation in the Chocó*. Disney Conservation Fund
- 2016
- *A Community-based Approach to the Conservation of Neotropical migratory birds in the Ecuadorian Chocó III*. United States Fish & Wildlife Service
 - *Center for Bioenvironmental Research Faculty Research Fellowship*. Center for Bioenvironmental Research, Tulane University
 - *A science-based approach to forest fragment conservation in northwest Ecuador's Tropical Andes*. Conservation, Food and Health Foundation
 - *Is there anybody out there? An effort to resolve the status of the Turquoise-throated Puffleg *Eriocnemis godini*, a found-and-lost Andean hummingbird*. American Bird Conservancy (with Juan Freile)
 - *Umbrellabird Conservation in the Chocó*. Disney Worldwide Conservation Fund
- 2015
- *EAGER: The relative contributions of pollen and seed dispersal to gene flow and propagule survival in a tropical palm*. National Science Foundation # 1548548
 - *International: Behavioral ecology research and training in Australia*. National Science Foundation #1460048
 - *Dissertation Research: The effects of nectar robbery on territorial pollinators and plant reproduction*. National Science Foundation #DEB-1501862
 - *Dissertation Research: The relative contribution of pollen vs. seed dispersal to gene flow in a fragmented Neotropical landscape*. National Science Foundation #DEB-1501514

- *A science-based approach to forest fragment conservation in northwest Ecuador's Tropical Andes*. Conservation, Food and Health Foundation
 - *Undergraduate Research Opportunities Program*. Louisiana Sea Grant
 - *Summer Research Grant*. Stone Center for Latin American Studies, Tulane University
- 2014
- *Collaborative Research: Social environment effects on hormones and the integrated behavioral phenotype*. National Science Foundation #IOS-1354133
 - *Does lead in New Orleans have mockingbirds singing the blues?* Morris Animal Foundation
 - *Umbrellabird Conservation in the Chocó*. Disney Worldwide Conservation Fund
 - *Conserving Papua New Guinea's Grassland Birds*. Disney Worldwide Conservation Fund
 - *A science-based approach to forest fragment conservation in northwest Ecuador's Tropical Andes*. Conservation, Food and Health Foundation
 - *Strangers in the night: basic biology and conservation of nocturnal birds in forest fragments of northwest Ecuador*. Conservation, Research, and Educational Opportunities International
 - *Undergraduate Research Opportunities Program*. Louisiana Sea Grant
 - *CELT Fund for Faculty/Student Scholarly and Artistic Engagement*. Center for Engaged Learning & Teaching, Tulane University
 - *Strangers in the night: basic biology and conservation of nocturnal birds in forest fragments of northwest Ecuador*. Ornithological Council
 - *A science-based approach to forest fragment conservation in northwest Ecuador's Tropical Andes*. Universidad San Francisco de Quito Collaboration Grants (coPI)
- 2013
- *A Community-based Approach to the Conservation of Neotropical migratory birds in the Ecuadorian Chocó*. United States Fish & Wildlife Service
 - *Umbrellabird Conservation in the Chocó*. Disney Worldwide Conservation Fund
 - *Conserving Papua New Guinea's Grassland Birds*. Disney Worldwide Conservation Fund
 - *Fund for Faculty/Student Scholarly and Artistic Engagement*. Tulane University Center for Engaged Learning and Teaching
 - *Effects of hypoxia on brown pelican foraging ecology and demographic processes*. National Geographic Society (coPI)
 - *Mechanisms and adaptive significance of female ornamentation in the white-shouldered fairy-wren, Malurus alboscapulatus*. Louisiana Board of Regents Pilot Funding for New Research (P-FUND) program
- 2012
- *Summer Research Grant*. Stone Center for Latin American Studies, Tulane University

- *Research Fellowship*. Tulane University Senate Committee on Research
 - *Fund for Faculty/Student Scholarly and Artistic Engagement*. Tulane University Center for Engaged Learning and Teaching
 - *Umbrellabird Conservation in the Chocó*. Disney Worldwide Conservation Fund
- 2011
- *RAPID: Relative impacts of density- and trait-mediated effects on a top predator: how has the Deepwater Horizon oil spill affected Brown Pelican population biology?* National Science Foundation #DEB-1139962
 - *U.S.- Australia IRES Collaboration: Behavioral ecology research training in Australia's tropical savannah*. National Science Foundation #OISE-1131614
 - *MRI: Acquisition of an automated sequencer for research, training, and education at Tulane University and partner institutions*. National Science Foundation #DBI-1126516 (coPI)
 - *How do spatial and temporal variation in palm fruit availability impact seed dispersal services by Long-wattled Umbrellabirds?* National Geographic Society
 - *The impact of multi-modal signals on avian hybrid zone dynamics*. Louisiana Board of Regents Pilot Funding for New Research (P-FUND) program
 - *Programatic support for research and conservation work in Ecuador*. Lawrence Foundation
 - *Umbrellabird Conservation in the Chocó*. Disney Worldwide Conservation Fund
 - *The effect of the Deepwater Horizon Spill on sensitive Gulf species, and the merit of ongoing research, monitoring and protection efforts*. Center for Public Service, Tulane University
- 2010
- *Seed dispersal, spatial distribution, and genetic structure of the palm tree *Oenocarpus bataua**. Universidad Nacional de Colombia, Dirección de Investigación sede Bogotá. (coPI)
 - *Assessing the impact of environmental perturbation on dispersal of a colonial seabird: ecological and genetic responses of the Brown Pelican to the Deepwater Horizon oil spill*. United States Geological Survey Long-term Estuary Assessment Group
 - *Umbrellabird Conservation in the Chocó*. Disney Worldwide Conservation Fund
 - *Altitudinal migration and conservation of an endangered frugivore in a fragmented landscape: tracking Long-wattled Umbrellabirds with PTT's in the tropical Andes*. NorthStar Technologies LLC
 - *Consequences of habitat fragmentation on a seed dispersal mutualism: research & training in a South American rainforest*. Newcomb College Institute

- 2009 - *Social environment, hormones, and ontogenetic carry-over effects on male reproductive phenotypes in a polymorphic bird*. National Science Foundation #IOS-0818962 (coPI)
 - *Umbrellabird Conservation in the Chocó*. Disney Worldwide Conservation Fund
- 2008 - *Multidisciplinary Approach to Conserving Neotropical Migrants in the Ecuadorian Chocó*. United States Fish & Wildlife Service
 - *Umbrellabird Conservation in the Chocó*. Disney Wildlife Conservation Fund
- 2007 - *Conservation and basic research in the Ecuadorian Chocó*. Conservation, Food, and Health Foundation
 - *Umbrellabird Conservation in the Chocó*. Disney Wildlife Conservation Fund
 - *Conservation of the Banded Ground-cuckoo*. Cleveland Metroparks Zoo
 - *Effects of deforestation on disease prevalence in Neotropical rain forest birds*. UCLA Academic Senate (coPI)
 - *The effects of habitat alteration on gene flow of a tropical palm in Chocó rain forest, northwest Ecuador*. UCLA Academic Senate (coPI)
- 2006 - *Conservation and basic research in the Ecuadorian Chocó*. Conservation, Food, and Health Foundation
 - *Umbrellabird Conservation in the Chocó*. Disney Wildlife Conservation Fund
- 2005 - *Conservation and basic research in the Ecuadorian Chocó*. Conservation, Food, and Health Foundation
 - *Umbrellabird Conservation in the Chocó*. Disney Wildlife Conservation Fund
 - *Banded Ground-cuckoo basic biology in Ecuador*. Cleveland Metroparks Zoo
- 2004 - *Ecology of the Long-wattled Umbrellabird and other avian frugivores in the Ecuadorian Chocó*. National Science Foundation #OISE-0402137
 - *Conservation and basic research in the Ecuadorian Chocó*. Conservation, Food, and Health Foundation
 - *Basic Biology of the Long-wattled Umbrellabird*. Chicago Zoological Society
 - *Radio Telemetry of Scarlet Macaws in the Ecuadorian Amazon*. Wildlife Conservation Society
 - *Umbrellabird Conservation in the Chocó*. Disney Wildlife Conservation Fund
- 2003 - *Mating biology & basic ecology of the Long-wattled Umbrellabird*. National Geographic Society

- *Basic biology and conservation of Long-wattled Umbrellabirds*. Wildlife Conservation Society
- *Umbrellabird Conservation in the Chocó*. Disney Wildlife Conservation Fund
- *Natural history of Long-wattled Umbrellabirds in Ecuador*. Fulbright Fellowship U.S. Scholars Program

- 2002 - *Plumage color polymorphism in Red-backed Fairy-wrens: mechanism and function*. National Science Foundation #IBN-0213075 (coPI)
- *Density and abundance of macaws in the Ecuadorian Amazon*. Wildlife Conservation Society

- 2000 - *Molecular analyses of the Red-backed Fairy-wren mating system*. Hinds Fund, University of Chicago
- *Evolution of bright male plumage in the Red-backed Fairy-wren*. American Ornithologist's Union
- *Genetic analyses of the Red-backed Fairy-wren*. Chapman Fund, American Museum of Natural History
- *Mating system of Red-backed Fairy-wrens: ecology and behavior*. Animal Behavior Society

- 1999 - *Evolution of delayed plumage maturation in the Red-backed Fairy-wren: social, genetic and behavioral perspectives*. National Science Foundation DDIG #IBN-9972607 (coPI)
- *Social organization in the Red-backed Fairy-wren*. Chapman Fund, American Museum of Natural History
- *Behavior and conservation of the Red-backed Fairy-wren*. American Ornithologist's Union

- 1998 - *Social behavior of the Red-backed Fairy-wren*. Hinds Fund, University of Chicago

- 1997 - *Genetic analyses of population structure of the Striated Grasswren*. Hinds Fund, University of Chicago

- 1996 - *Conservation of the Striated Grasswren*. Chicago Zoological Society
- *Niche partitioning in rainforest birds*. Organization for Tropical Studies

INVITED & KEYNOTE PRESENTATIONS

- 2023 - *Interactions between birds, plants & people in the Chocó biogeographic zone*. Department of Biology. University of Wyoming
- *Twenty years of research on birds, plants & people in the Chocó biogeographic zone*. Department of Biology. University of San Francisco, Quito (Ecuador)

- 2022 - *Twenty years of research and conservation in a biodiversity hotspot*. New Orleans Audubon Society, New Orleans, LA.
- 2022 - *Interdisciplinary research in a conservation hotspot*. School of Public Health and Tropical Medicine. Tulane University, New Orleans, LA.
- 2022 - *An experimental test of Spatially-Patterned Tree Growing Approaches to Meet Ecological and Economic Tropical Forest Restoration Goals*. Association for Tropical Biology & Conservation. Cartagena, Colombia.
- 2022 - *Dispersal & demography of a hyperabundant Neotropical Palm*. Department of Integrative Biology. University of California, Berkeley
- 2020 - *Integrating research and community engagement in a biodiversity hotspot*. Department of Natural Resource Ecology and Management. Iowa State University, IA (virtual presentation)
- 2019 - *Interdisciplinary research in a conservation hotspot*. Department of Ecology & Evolutionary Biology. Tulane University.
 - *Integrating research and civic engagement to create change: a case study. From Ecuador*. Hoch Cunningham Environmental Studies Seminar Series. Tufts University, Boston, MA.
 - *Dispersal and demography of a hyperabundant tropical palm*. Department of Biology. Tufts University, Boston, MA.
- 2018 - *Synergies between community engagement and scholarly research*. Audubon Nature Institute Research Day. New Orleans, LA.
 - *Dispersal and demography of a long-lived tropical palm*. Department of Biology. University of Missouri Saint Louis, Saint Louis, MO.
 - *Integrating ecological research and community engagement: case studies from Ecuador and New Orleans*. Department of Biology. University of Mississippi, Oxford, MS.
- 2017 - *Seed and pollen dispersal by animals: impacts on gene flow and seedling survival of a tropical palm*. Department of Biology. University of Florida, Gainesville, FL.
- 2016 - *Dispersal by animals large and small drives patterns of gene flow and seedling survival in a tropical palm*. Department of Biology. College of William & Mary, Williamsburg, VA.
 - *The behavior and ecology of the Long-wattled Umbrellabird*. V Meeting of the Ecuador Ornithological Council. Plenary address. Zamora, Ecuador.
- 2015 - *A multi-taxonomic assessment of diversity in forest fragments, northwest Ecuador*. Department Biology. Universidad Central, Quito, Ecuador.

- *Conserving forest fragments in northwest Ecuador: what is at stake?*
Department Biology. Universidad San Francisco de Quito, Ecuador.

- 2014
 - *Animal-mediated gene flow in a tropical palm*, *Oenocarpus bataua*.
Department of Ecology & Evolutionary Biology. Tulane University, LA.
 - *Gene flow in a tropical palm*, *Oenocarpus bataua*. Department of Plant
Biology. University of Georgia, GA.
 - *Animal-mediated gene flow in a tropical palm*, *Oenocarpus bataua*.
Department of Biology. Loyola University, LA.

- 2013
 - *Can community-based partnerships improve the way we do science: a case
study from a conservation hotspot in Ecuador*. Sustainable Solutions
Initiative. University of Maine, ME.
 - *Environment by behavior interactions in tropical and subtropical birds*.
Department of Biology. Universidade Federal Santa Caterina, Brazil.

- 2012
 - *The promise of engaged scholarship for understanding and conserving our
natural world*. Lynton Colloquium on the Scholarship of Engagement.
Keynote address. Boston, MA.
 - *Animal-mediated gene flow in a tropical palm tree*. Department of Biology.
University of Oklahoma, OK.
 - *The promise of engaged scholarship for understanding and conserving our
natural world*. Coalition of Urban and Metropolitan Universities 18th
Annual Conference. Plenary address. Chattanooga, TN.

- 2011
 - *The interaction between environment and behavior: two case studies from
the tropics*. Department of Biological Sciences. Louisiana State
University. LA.
 - *Pattern and process in a Neotropical seed dispersal mutualism*. IX
Neotropical Ornithological Congress. ‘Impacts of behavior, movement,
and environment on seed dispersal: insights and advances from
Neotropical avifauna’ symposium. Cusco, Peru.
 - *Population biology of the brown pelican in the Gulf region*. United
States Geological Survey, Longterm Estuary Assessment Group. New
Orleans, LA.

- 2010
 - *Recent advances in satellite-based animal tracking*. Office of Global
Health. ‘Innovative Technology in Global Health Research Program’.
Tulane University, LA.
 - *Interactions between behavior and the environment: two case studies from
the tropics*. Department of Biology. University of Louisiana at Lafayette,
LA.
 - *A framework for conservation*. Conservation in the Chocó Symposium.
Laguna de Cube, Ecuador.
 - *Social status shapes phenotype in a tropical passerine bird*. 25th
International Ornithological Congress. ‘Physiological control of

- phenotype: insights from the tropics and Southern Hemisphere birds' Symposium. Campos de Jordão, Brazil.
- *Emerging contaminants in coastal and marsh ecosystems*. Center for Bioenvironmental Research. Wetlands Leadership Program. Tulane University, LA.
 - *Interactions between behavior and the environment: two case studies from the tropics*. Museum of Natural History. Louisiana State University, LA.
 - *Interactions between behavior and the environment: two case studies from the tropics*. Department of Biology, University of New Orleans, LA.
- 2009
- *Seed dispersal by umbrellabirds in the Choco rainforests of Ecuador*. Universidade do Estado do Rio de Janeiro. 'V Ecology Symposium: Behavioral Ecology'. Rio de Janeiro, Brasil.
 - *Ecological and evolutionary consequences of avian social behavior: two case studies from the tropics*. Department of Biology. Claremont-McKenna College, CA.
 - *Genetic and demographic consequences of seed dispersal by a lek-breeding bird*. Department of Biology. University of California, Riverside, CA.
 - *Ecological and evolutionary consequences of avian social behavior: two case studies from the tropics*. Department of Ecology & Evolutionary Biology. Tulane University, LA.
 - *Linking social behavior to seed dispersal outcomes*. Department of Ecology and Evolutionary Biology. University of California, Los Angeles, CA.
- 2008
- *Conservation and ecology of macaws, parrots and other at-risk birds of the Ecuadorian rainforests*. Parrots International Symposium. Long Beach, CA.
 - *Seed dispersal, social behavior, and conservation*. Department of Biology. Loyola Marymount University, CA.
- 2007
- *Conservation of ecological and evolutionary processes in a Neotropical rainforest*. California Academy of Sciences. San Francisco, CA.
 - *Adaptive consequences of male polymorphism in the Red-backed Fairy-wren*. Department of Biology. University of California, Riverside, CA.
 - *Multidisciplinary approaches to conserving tropical rain forest: a case study from the Ecuadorian Chocó*. Department of Biology. Occidental College, CA.
 - *Sexual selection in the Long-wattled Umbrellabird*. VII Neotropical Ornithological Congress. 'Sexual Selection in Neotropical Birds' Symposium. Maturín, Venezuela
- 2006
- *Causes and consequences of color variation in male Red-backed Fairy-wrens*. Animal Behavior Seminar Series. University of Chicago, IL.

- 2004 - *Ecology and conservation of the Ecuadorian Chocó*. Fulbright Commission Seminar Series. Quito, Ecuador.
- 2002 - *Seed dispersal and basic ecology of the long-wattled umbrellabird*. Department of Biological Sciences. Universidad San Francisco de Quito. Quito, Ecuador
- 2001 - *Mating system and social biology of the red-backed fairy-wren*. Department of Biology. Pontificia Universidad Católica de Ecuador. Quito, Ecuador.
 - *Social biology and phenotypic variation in the red-backed fairy-wren*. Department of Ecology and Evolutionary Biology. University of Chicago, IL.
- 2000 - *Costs and benefits of male plumage variation in the red-backed fairy-wren*. Department of Biology. Oberlin College, OH.
- 1999 - *Costs and benefits of male plumage variation in the red-backed fairy-wren*. Avian Studies Group. Avian Studies Group, University of California, Berkeley, CA.
 - *Costs and benefits of male plumage variation in the red-backed fairy-wren*. Commonwealth Scientific Investigation Research Organization (CSIRO), Queensland, Australia.

TEACHING EXPERIENCE

Tulane University

Tropical Field Biology & Conservation (EBIO 378)

Experimental Animal Behavior (EBIO 329)

Behavioral Ecology (EBIO 369)

Processes of Science in Ecology & Evolutionary Biology (EBIO 701)

Community Engaged Conservation Research Design (INTU 3040)

University of California, Los Angeles

Animal Behavior (EEB129)

Introduction to Ecology & Behavior (EEB 100)

POST-DOCTORAL FELLOWS

Dr. Rosa Peñafiel (2022-). Ecological genomics in tropical plants and soil (co-advisor: Dr. Sunshine Van Bael)

Dr. Therese Lamperty (2022-). Defaunation and seed dispersal (co-advisor: Dr. Bette Loiselle)

Dr. Scott Walter (2012 – 2014). Behavioral ecology of the brown pelican
 Dr. Kym Ottewell (2010 – 2012). Gene flow in tropical plants.

STUDENT ADVISING

Ph.D. Students - current

Martha Barta (2024 - present), EE Biology, Tulane University
 Luke Anderson (2019 – present), EE Biology, Tulane University

Ph.D. Students - past

Dr. Jenny Hazlehurst, EE Biology, Tulane University (Ph.D., 2017)
 Dr. Luke Browne, EE Biology, Tulane University (Ph.D., 2017)
 Dr. Samantha Lantz, EE Biology, Tulane University (Ph.D., 2017)
 Dr. Erik Enbody, EE Biology, Tulane University (Ph.D., 2018)
 Dr. Brock Geary, EE Biology, Tulane University (Ph.D., 2018)
 Dr. Zoe Diaz-Martin, EE Biology, Tulane University (Ph.D., 2020)
 Dr. Sarah Khalil, EE Biology, Tulane University (Ph.D., 2022)
 Dr. John Jones, EE Biology, Tulane University (Ph.D., 2022)
 Dr. Kaushik Narasimhan, EE Biology, Tulane University (Ph.D., 2023)
 Dr. Annelise Blanchette (co-advise w. Alex Gunderson), EE Biology, Tulane (Ph.D., 2024)
 Dr. Michael Ellis, EE Biology, Tulane University (Ph.D., 2024)

M.S. Students - current

Yan Xuan, EE Biology, Tulane University
 Andrew Love, EE Biology, Tulane University

M.S. Students - past

Tessa Roorda, EE Biology, Tulane University (M.S., 2011)
 Roxanne Franta, EE Biology, Tulane University (M.S., 2014)
 Amandaleigh Peterson, EE Biology, Tulane University (M.S., 2014)
 Nathan Frumkin, EE Biology, Tulane University (M.S., 2015)
 Malinda Chambers, EE Biology, Tulane University (M.S., 2015)
 Erik Iverson, EE Biology, Tulane University (M.S., 2016)
 Nicole Moody, EE Biology, Tulane University (M.S., 2016)
 Marie Piccione, EE Biology, Tulane University (M.S., 2017)
 Meredith Williams, EE Biology, Tulane University (M.S., 2017)
 Emily Nonamaker, EE Biology, Tulane University (M.S., 2017)
 AJ Pate, EE Biology, Tulane University (M.S., 2019)
 Akhila Gopal, EE Biology, Tulane University (M.S., 2019)
 JiaWen Liu, EE Biology, Tulane University (M.S., 2019)
 Rachel Cook, EE Biology, Tulane University (M.S., 2019)
 Caitlin McCormick, EE Biology, Tulane University (M.S., 2020)
 Zhiyu “Wendy” Deng, EE Biology, Tulane University (M.S., 2020)
 Peyton Fralick, EE Biology, Tulane University (M.S., 2021)
 Galen Dolkas, EE Biology, Tulane University (M.S., 2022)

Tanner Mazanac, EE Biology, Tulane University (M.S., 2022)
 Katie Rompf, EE Biology, Tulane University (M.S., 2022)
 Katherine Perkins, EE Biology, Tulane University (M.S., 2022)
 Chengkai Guo, EE Biology, Tulane University (M.S., 2023)
 Vishal Narayan, EE Biology, Tulane University (M.S., 2023)
 Emily Houtz, EE Biology, Tulane University (M.S., 2024)

Ph.D. Thesis Committee Member - current

David ‘Cooper’ Campbell, EE Biology, Tulane University
 Diana Tataru, EE Biology, Tulane University
 Wayne Wang, EE Biology, Tulane University
 Julie Rej, EE Biology, Tulane University

Ph.D. Thesis Committee Member - past

Stephan Woltmann, EE Biology, Tulane University (Ph.D., 2010)
 Nicole Michel, EE Biology, Tulane University (Ph.D., 2012)
 Nathan Cooper, EE Biology, Tulane University (Ph.D., 2014)
 Greg Glotzbecker, EE Biology, Tulane University (Ph.D., 2015)
 Jessica Henkel, EE Biology, Tulane University (Ph.D., 2015)
 Andrew Laughlin, EE Biology, Tulane University (Ph.D., 2015)
 Ashley Peele, EE Biology, Tulane University (Ph.D., 2015)
 Deborah Visco, EE Biology, Tulane University (Ph.D., 2015)
 Justin Yeager, EE Biology, Tulane University (Ph.D., 2015)
 Brittany Bernik, EE Biology, Tulane University (Ph.D., 2016)
 Rebecca Hazen, EE Biology, Tulane University (Ph.D., 2016)
 Alex Ameen, EE Biology, Tulane University (Ph.D., 2017)
 Landon Jones, Biology, University of Louisiana at Lafayette (Ph.D., 2017)
 Jenny Phillips, EE Biology, Tulane University (Ph.D., 2017)
 Stephanie Steele, EE Biology, University of California, Los Angeles (Ph.D., 2017)
 Liz Kimbrough, EE Biology, Tulane University (Ph.D., 2019)
 Peter Tellez, EE Biology, Tulane University (Ph.D., 2019)
 Cody Kent, EE Biology, Tulane University (Ph.D., 2020)
 John Herbert, EE Biology, Tulane University (Ph.D., 2020)
 Jordan Boersma, Biology, Washington State University (Ph.D. 2021)
 Alison Ke, Ecology, UC Davis (Ph.D. 2022)
 Kiah Williams, EE Biology, Tulane University (Ph.D. 2023)

Undergraduate Honors Thesis Students Advisor – current

Undergraduate Honors Thesis Students Advisor - past

Maggie Millar, EE Biology, Tulane University (2024)
 Callie Rose Chenevert, EE Biology, Tulane University (2024)
 Mitch Hinton, EE Biology, Tulane University (2013)
 Johnny Blanchard, EE Biology, Tulane University (2013)
 Nathan Frumkin, EE Biology, Tulane University (2014)
 Erik Iverson, EE Biology, Tulane University (2015)

Emma Saltzberg, EE Biology, Tulane University (2017)
 Tadeo Ramirez, EE Biology, Tulane University (2017)
 Michael Mahoney, EE Biology, Tulane University (2017)
 Trey Hendrix, EE Biology, Tulane University (2018)
 Elliot Hill, EE Biology, Tulane University (2018)
 Samuel Leberg, EE Biology, Tulane University (2018)
 Shayna Ross, EE Biology, Tulane University (2019)
 Kyu Min Hu, EE Biology, Tulane University (2019)
 Lauren Hitt, EE Biology, Tulane University (2019)
 Margaux Armfield, EE Biology, Tulane University (2020)
 Sarah Lueder, EE Biology, Tulane University (2020)
 Erin Sheehy, EE Biology, Tulane University (2021)
 Melanie Smith, EE Biology, Tulane University (2021)
 Caroline Camus, EE Biology, Tulane University (2021)
 Eleanor Casement, EE Biology, Tulane University (2022)
 Sloan Liviccari, EE Biology, Tulane University (2022)
 Sarah Uher, EE Biology, Tulane University (2023)
 Analisa Teleha, EE Biology, Tulane University (2023)
 Levi Hoskins, EE Biology, Tulane University (2023)

UNIVERSITY SERVICE

2021 – Member, Anti-Discrimination and Equality Senate Committee
 2015 - 2021 Director of Graduate Studies, EE Biology
 2014 - 15 Member, Ad hoc Center for Public Service Committee
 2013 - Graduate Studies Committee, School of Science & Engineering
 2012 - 14 Member, Executive Committee, Stone Center for Latin American Studies
 2011 Member, Executive Committee, Stone Center for Latin American Studies
 Member, Ad hoc Center for Public Service Committee

GENERAL SERVICE

2023 - Ad hoc Reviewer, National Science Foundation
 2022 - Ad hoc Reviewer, National Science Foundation
 2021 - Ad hoc Reviewer, National Science Foundation
 - Ad hoc Reviewer, Rainforest Trust

- 2020
- Ad hoc Reviewer, National Science Foundation
 - Ad hoc Reviewer, National Geographic Society
 - Ad hoc Reviewer, Rainforest Trust
- 2019
- Ad hoc Reviewer, National Science Foundation
 - Ad hoc Reviewer, National Geographic Society
- 2018
- Panel member, National Science Foundation
- 2017
- Panel member, National Science Foundation
 - Ad hoc Reviewer, National Science Foundation
 - Ad hoc Reviewer, National Geographic Society
- 2016
- Ad hoc Reviewer, National Science Foundation
- 2015
- Panel member, National Science Foundation
 - Panel member, National Science Foundation
 - Virtual panel member, National Science Foundation
 - Ad hoc Reviewer, Mardsen Fund, Royal Society of New Zealand
 - Ad hoc Reviewer, German Research Foundation
 - Ad hoc Reviewer, National Federation for Wildlife & Fisheries
 - Ad hoc Reviewer, National Geographic Society (3x)
 - Ad hoc Reviewer, Lynton Award for the Scholarship of Engagement for Early Career faculty
- 2014
- Ad hoc Reviewer, Lynton Award for the Scholarship of Engagement for Early Career faculty
 - Ad hoc Reviewer, Edge of Existence Program
 - Ad hoc Reviewer, National Geographic Society
 - Judge, Greater New Orleans Science and Engineering Fair (GNOSEF)
 - Judge, Tulane School of Science and Engineering Research Day, Student Posters
 - Organization for Tropical Studies (OTS) campus representative
- 2013
- Ad hoc Reviewer, National Geographic Society
 - Ad hoc Reviewer, Netherlands Organization for Scientific Research
 - Ad hoc Reviewer, Lynton Award for the Scholarship of Engagement for Early Career faculty
 - Organization for Tropical Studies (OTS) campus representative
- 2012
- Ad hoc Reviewer, National Geographic Society
 - Ad hoc Reviewer, National Science Foundation, Animal Behavior Panel
 - Ad hoc Reviewer, National Science Foundation, International Research Fellowship (OISE) Panel
 - Organization for Tropical Studies (OTS) campus representative

- 2011 - Student presentation & poster judge, Neotropical Ornithological Congress
 - Ad hoc Reviewer, National Geographic Society
 - Ad hoc Reviewer, National Science Foundation, Animal Behavior Panel
 - Organization for Tropical Studies (OTS) campus representative
 - Organization for Tropical Studies ‘Visiting Faculty’
- 2010 - Ad hoc Reviewer, National Science Foundation, Animal Behavior Panel
- 2009 - Ad hoc Reviewer, National Science Foundation, Animal Behavior Panel
 - Ad hoc Reviewer, National Science Foundation, Evolutionary Ecology Panel
 - Panel Member, Post-doctoral Guidance Workshop, Animal Behavior Society
 - Judge, Founder’s Award, poster competition, Animal Behavior Society
 - Ad hoc Reviewer, Student research grants, Animal Behavior Society
- 2008 - Ad hoc Reviewer, Student research grants, Animal Behavior Society
- 2006 - Student Grant-writing Workshop. North American Ornithological Society. Veracruz, Mexico.

MANUSCRIPT REVIEWS

I have reviewed hundreds of articles for the following **51 journals**: *Acta Oecologia*, *American Journal of Primatology*, *American Naturalist*, *Animal Behaviour*, *Ardeola*, *Auk*, *Austral Ecology*, *Behavioral Ecology*, *Behavioral Ecology and Sociobiology*, *Biological Journal of the Linnean Society*, *Biological Conservation*, *Biological Reviews*, *Biology Letters*, *Biotropica*, *Bird Conservation International*, *Botanical Journal of the Linnean Society*, *BMC Evolutionary Ecology*, *BMC Genetics*, *Colombian Ornithology*, *Condor*, *Conservation Genetics*, *Cotinga*, *Ecology*, *Ecology & Evolution*, *Ecological Monographs*, *Ecuadorian Journal of Medicine and Biological Sciences*, *Emu*, *Ethology*, *Evolution*, *Frontiers in Ecology & Evolution*, *Frontiers in Genetics*, *Global Conservation & Ecology*, *Integrative Zoology*, *Journal of Animal Welfare*, *Journal of Avian Biology*, *Journal of Biogeography*, *Journal of Ecology*, *Journal of Ethology*, *Journal of Field Ornithology*, *Journal of Tropical Biology*, *Journal of Tropical Ecology*, *Molecular Ecology*, *Neotropical Ornithology*, *New Phytologist*, *PLOS One*, *Proceedings of the National Academy of Sciences USA (PNAS)*, *Proceedings of the Royal Society of London, B*, *Scientific Reports*, *Wildlife Research*, *Wilson Journal of Ornithology*, and *Zoo Biology*.

CONSERVATION & COMMUNITY BASED PARTICIPATORY RESEARCH

My research program is strengthened by a significant focus on community-based conservation, training, and education. In Ecuador, I helped to form an in-country NGO in Foundation for Conservation of the Tropical Andes (FCAT – www.fcat-ecuador.org). Through FCAT, I have (a) delivered environmental education to thousands of local residents; (b) provided honors thesis and graduate projects for dozens of Ecuadorian and

U.S. students; (c) provided training and full time employment for dozens of Ecuadorian local residents; (d) generated over two dozen peer-reviewed publications with Ecuadorian local resident co-authors; and e) established a large rainforest habitat reserve with a modern research and training station. My work is recognized by a *Fulbright Fellowship* (2003); the '*Ernest A. Lynton Award for the Scholarship of Engagement for Early Career Faculty*' from the New England Higher Education Resource Center (2012); the '*Excellence in Tropical Biology and Conservation Award*' by the Association for Tropical Biology and Conservation (2013). Local resident collaborators have won the '*Local Conservation Hero Award*' by the Disney Worldwide Conservation Fund (2006), the '*Buffett Award*' from the National Geographic Society (2015), and the '*Whitley Award*' by the Whitley Fund for Nature (2014), among others.

PUBLIC OUTREACH

I have delivered > 50 presentations to formal and informal groups (e.g., elementary and high school students and teachers; law and business school students; local Audubon Society chapters, etc.) on science and conservation. I have produced 4 non-technical articles about my research in US and international magazines and newspapers and have paired with local environmental advocacy groups to disseminate results broadly. I have received multiple grants to work with artists to develop project-specific installations that communicate our research aims, methods, and findings to the general public. I have helped to design and fund annual Environmental Fairs in Ecuador and Papua New Guinea, attended by > 1,500 local residents/yr. I have been interviewed by the *New York Times* and other radio and media sources about my own work and broader scientific issues. I have worked with undergraduates to produce dozens of videos (3 – 5 min) about student led research, and with professional film makers to produce 3 short (5 – 15 min) films on conservation and scientific research in Ecuador and Papua New Guinea, all available online (<https://www.youtube.com/channel/UCv4W9cR7OCXrpZMYW6gEE9w>).

PROFESSIONAL SOCIETIES

American Ornithological Society (Fellow)
American Association for the Advancement of Science
Association for Tropical Biology and Conservation
Society for the Study of Evolution