CURRICULUM VITAE

LYDIA BEAUDROT

Assistant Professor
Department of Integrative Biology
Ecology, Evolution, & Behavior Program
Michigan State University
beaudrot@msu.edu

EDUCATION

2014	PhD, Ecology, Graduate Group in Ecology University of California, Davis
2005	BA *cum laude*, Environmental Studies; Latin minor Middlebury College
2003 - Fall	Visiting student, Biological Anthropology Harvard University

PROFESSIONAL APPOINTMENTS

July 2024 –	Assistant Professor, Department of Integrative Biology, Ecology, Evolution, and Behavior Program, Michigan State University
2018 – 2024	Assistant Professor, Department of Biosciences, Program in Ecology & Evolutionary Biology, Rice University
2015 – 2018	Fellow, Michigan Society of Fellows, Department of Ecology and Evolutionary Biology, University of Michigan
2014 – 2015	Postdoctoral Associate, Quantitative Ecology & Biodiversity Tropical Ecology Assessment & Monitoring Network (TEAM) Moore Center for Science and Oceans, Conservation International
2006 –2008	Research Assistant, Department of Anthropology, Harvard
2005 –2006	Field Assistant, Lomas Barbudal Monkey Project, Costa Rica Max Planck Institute for Evolutionary Anthropology

PEER-REVIEWED JOURNAL ARTICLES (IN REVIEW or REVISION)

Authorship indicated for LAB MEMBERS with capitalization
Authorship indicated for Visiting Scholars* with an asterisk

50. Bischof, R., Vallejo-Vargas*, A.F., Semper-Pascual*, A., Schowanek, S.D.,

Beaudrot, L., Turek, D., Jansen, P.A., Rovero, F., Johnson, S.E., Lima, M.G.M., Santos, F., Uzabaho, E., Espinosa, S., Ahumada, J.A., Bitariho, R., Salvador, J., Mugerwa, B., Sainge, M.N. and D. Sheil. (In Press). The moon's influence on the activity of tropical forest mammals. *Proceedings B.*

48. Greco*, I., **Beaudrot, L.** Sutherland, C., Tenan, S., GORCZYNSKI, DANIEL, HSIEH, CHIA, Ahmed, M.F., Ahumada, J., Amin, R., Andrianarisoa, M.H., Baker-Watton, M., Begum, R.H., Bisi, F., Bitariho, R., Brodie, J., Campos-Arceiz, A., Carvalho, E.A.R., Cornelis, D., Cremonesi, G., Das, S., de Camargos, V.L., Elimanantsoa, I., Fayolle, A., Fonteyn, D., Harihar, A., Jansen, P.A., Mohd-Azlan, J., Johnson, C., Johnson, S., Lahkar, D., Luskin, M.S., Magioli, M., Martin, E.H., Martinoli, A., Morato, R.G., Mugerwa, B., Pardo, L., Salvador, J., Santos, F., Sheil, D., Vermulen, C., Wright, P.C., and F. Rovero. (In Review). Widespread anthropogenic extinction filtering of tropical forest mammals even within protected areas. *PLoS Biology.*

49. Schowanek, S.D., Sheil, D., **Beaudrot., L**., Dupont, P., Espinosa, S., Estienne, V., Fa, J.E., Geldmann, J., Jansen, P., Johnson, S.E., Rovero, F., Santos, F., Semper-Pascual*, A., Vallego Vargas*, A.F., Ahumada, J.A., Akampurira, E., Amin, R., Bitariho, R., Cornelis, D., Fayolle, A., Fonteyn, D., Lima, M.G.M., Luskin, M.S., Kenfack, D., Martin, E.H., Uzabaho, E., Vermeulen, C., and R. Bischof. (In Review). Predictors of extinction risk in large tropical forest mammals: from global to local. *Science*.

47. Vallejo-Vargas*, A.F., Bischof, R., **Beaudrot, L.,** Ahumada, J., Andrianarisoa, M.H., Akampurira, E., Bitariho, R., Espinosa, S., Ahumada, J., Jansen, P.A., Johnson, S.E., Martin, E.H., Lima, M.G.M., Mugerwa, B., Rovero, F., Salvador, J., Uzabaho, E., Santos, F., and D. Sheil. (In Revision). Rush hour for tropical forest mammals. *Biotropica*.

PEER-REVIEWED JOURNAL ARTICLES (PUBLISHED)
Authorship indicated for LAB MEMBERS with capitalization
Authorship indicated for Visiting Scholars* with an asterisk

46. Rowan, J., Du, A., Lundgren, E.J., Faith, J.T., **Beaudrot, L**., Campisano, C.J., Lazagabaster, I.A., Locke, E.M., Smail, I.E., Reed, K.E., and J.M. Kamilar. (2024). The biogeographic context of hominin evolution in the East African Rift System. *Nature Ecology & Evolution.*

45. **Beaudrot, L.** Acevedo, M., GORCZYNSKI, D. and N. Harris. (2024). Geographical differences in body size distributions underlie food web structure of tropical forest mammals. *Scientific Reports.* 14: 6965.

44. HSIEH, CHIA, GORCZYNSKI, DANIEL, Bitariho, R., Espinosa, S., Johnson, S., Lima, M.G.M., Rovero, F., Salvador, J., Santos, F., Sheil, D. and **L. Beaudrot.** (2024). Evolutionary history and environmental variability structure

contemporary tropical vertebrate communities. *Global Ecology and Biogeography.* 33:e13829.

43. GORCZYNSKI, DANIEL, F. Rovero, A. Mtui, S. Shinyambala, J. Martine, CHIA HSIEH, L. Friskoff, and **L. Beaudrot**. (2023). Tropical forest mammal diversity increases with microhabitat vegetation complexity. *Ecology*. e4181.

42. Semper-Pascual*, A., Sheil, D. **Beaudrot, L.**, Dupont, P., Ahumada, J., Akampurira, E., Bitariho, R., Espinosa, S., Jansen, P., Lima, M., Martin, E,. Mugerwa, B., Rovero, F., Santos, F., Uzabaho, U. and Bischof, R. (2023). Occurrence dynamics of mammals in protected tropical forests respond to human presence and activities. *Nature Ecology and Evolution,* 7:1092-1103.

41. Saltz, J.B., Palmer, M. S., and **L. Beaudrot**. (2023). Identifying the social context of single- and mixed-species group formation in wild populations using camera trap data. *Philosophical Transactions of the Royal Society B*. 378: 20220105.

40. Fricke, E.C., HSIEH, CHIA, Middleton, O., GORCZYNSKI, DANIEL, Cappello, C.D., Sanisidro, O., Rowan. J., Svenning, J.C. and **L. Beaudrot**. (2022). Collapse of terrestrial mammal food webs since the Late Pleistocene. *Science*. 377(6609): 1008-1011.

39. GORCZYNSKI, DANIEL, HSIEH, CHIA, Ahumada, J.A., Akampurira, E., Andrianarisoa, M. H., Espinosa, S., Johnson, S., Kayijamahe, C., Lima, M.C.M., Mugerwa, B., Rovero, F., Salvador, J., Santos, F., Sheil, D., Uzabaho, E. and **L. Beaudrot**. (2022). Human density modulates spatial associations among tropical forest terrestrial mammal species. *Global Change Biology.* 28(24): 7205-7216.

38. Vallejo-Vargas*, A.F., Sheil, D., Semper-Pascual*, A., **Beaudrot, L.,** Espinosa, S., Ahumada, J., Jansen, P.A., Lima, M.G.M., Mugerwa, B., Rovero, F., Santos, F., and R. Bischof. (2022). Consistent daily activity among tropical forest mammal communities. *Nature Communications*. 13: 7102.

37. GORCZYNSKI, DANIEL and **L. Beaudrot**. (2022). Measuring understory vegetation structure using a novel mixed-reality device. *Methods in Ecology and Evolution.* 13(9): 1949-1954.

36. Semper-Pascual*, A., Bischof, R., Milleret, C., **Beaudrot, L.**, Vallejo-Vargas*, A. F., Ahumada, J., Akampurira, E., Bitariho, R., Espinosa, S., Jansen, P., Kiebou-Opepa, C., Lima, M., Martin, E,. Mugerwa, B., Rovero, F., Salvador, J., Santos, F., Sheil, D. (2022). Occupancy winners in tropical protected forests: a pantropical analysis. *Proceedings of the Royal Society B: Biological Sciences.* 289(1978): 20220457

35. GORCZYNSKI, DANIEL, HSIEH, CHIA, Luciano Tonos, J., Ahumada, J.,

Espinosa, S., Johnson, S., Rovero, F., Santos, F., Guimarães Moreira Lima, M. Hugues Andrianarisoa, M., Hurtado Astaiza, H., Jansen, P., Kayijamahe, C., Salvador, J., and **L. Beaudrot**. (2021). Tropical mammal functional diversity increases with productivity but decreases with anthropogenic disturbance. *Proceedings of the Royal Society B: Biological Sciences.* 288(1945): 20202029. ** Issue cover photo by Dan Gorczynski.

34. Marshall, A.J., Farr, M.T., **Beaudrot, L.**, Zipkin, E., Feilen, K.L., Bell, L.G., Setiawan, E., Wahyu Susanto, T., Mitra Setia, T., Leighton, M. and H.U. Wittmer. (2021). Biotic and abiotic drivers of dispersion dynamics in a large-bodied tropical vertebrate, the Western Bornean orangutan. *Oecologia.*

33. GORCZYNSKI, DANIEL and **L. Beaudrot**. (2021). Functional diversity and redundancy of tropical forest mammals over time. *Biotropica*. 53(1): 51-62.

32. **Beaudrot, L.,** M.S. Palmer, T.M. Anderson and C. Packer. (2020). Mixed-species groups of Serengeti grazers: a test of the stress gradient hypothesis. *Ecolo*gy. 101(11): e03163. doi:10.1002/ecy.3163.

31. MOORE, JENNIFER F., Pine, W.E., Mulindahabi, F., Niyigaba, P., Gatorano, G., Masozera, M., K. and **L. Beaudrot**. (2020). Comparison of species richness and detection between line transect, ground cameras, and arboreal cameras. *Animal Conservation.* 23(5): 561-572.

30. Smith, J., Suraci, J.P., Hunter, J.S., Gaynor, K.M., Keller, C., Palmer, M., Atkins, J., Castaneda, I., Cherry, M., Garvey, P., Huebner, S., Morin, D., Teckentrup, L., Weterings, M. and **L. Beaudrot**. (2020). Zooming in on mechanistic predator-prey ecology: integrating camera traps with experimental methods reveals the drivers of ecological interactions. *Journal of Animal Ecology*. 89:1997-2012.

29. Rowan, J., **Beaudrot, L.,** Franklin, J., Reed, K., Smail, I., Zamora, A. and J.M. Kamilar (2020). Divergent evolutionary and ecological legacies shape large mammal biodiversity in the global tropics and sub-tropics. *Proceedings of the National Academy of Sciences*, 117(3):1559-1565.

28. Acevedo, M., **Beaudrot, L.,** Melendez-Ackerman, E., and R. Tremblay. (2020). Multiple drivers and consequences of distributional dynamics of an asymmetrically dispersed epiphyte under climate change. *Journal of Ecology.* 108:1553-1564.

27. O'Brien, T., Ahumada, J., Akampurila, E., **Beaudrot, L**., Boekee, K., Brncic, T., Hickey, J., Jansen, P., Kayijamahe, C., MOORE, JENNIFER F., Mugerwa, B., Mulindahabi, F., Ndoundou-Hockemba, M., Niyigaba, P., Nyiratuza, M., Opepa, C., Uzabaho, E. and F. Rovero. (2020). Camera trapping reveals trends in forest duiker populations in African national parks. *Remote Sensing and Conservation.* 6(2):168-180.

26. **Beaudrot, L.**, M. Acevedo, J.P. Lessard, A. Zvoleff, P.A. Jansen, C. Fletcher, E. Larney, T. O'Brien, F. Rovero, D. Sheil, S. Andelman and J. Ahumada. (2019). Local temperature and ecological similarity drive distributional dynamics of tropical mammals worldwide. *Global Ecology and Biogeography.* 28(7):976-991.

25. **Beaudrot, L.** and A.J. Marshall. (2019). Differences among regions in environmental predictors of primate communities affect conclusions about community assembly. *Journal of Tropical Ecology*. 35:83-90.

24. **Beaudrot, L.** Ahumada, J., O'Brien, T. and P.A. Jansen. (2019). Detecting wildlife declines through camera trap monitoring: An evaluation of the TEAM protocol. *Oryx.* 53(1):126-129.

23. Kamilar, J. and **L. Beaudrot**. (2018). Effects of environmental stress on primate populations. *Annual Review of Anthropology*. 47:417-434.

22. **Beaudrot, L.**, M. Acevedo, J.P. Lessard, D. Sheil, E. Larney, P. Wright and J. Ahumada. (2018). Distributional shifts in a biodiversity hotspot. *Biological Conservation.* 228:252-258.

21. Read, Q.D., Grady, J.M., Zarnetske, P.L., Record, S., Baiser, B., Belmaker, J., Tuanmu, M.-N., Strecker, A., **Beaudrot, L.** and K.M. Thibault. (2018). Among-species overlap in rodent body size distributions predicts species richness along a temperature gradient. *Ecography.* 41:1718-1727.

20. Record, S.*, A. Strecker*, M.-N. Tuanmu, **L. Beaudrot**, P. Zarnetske, Belmaker, J. and B. Gerstner. (2018). Does scale matter? A systematic review of incorporating biological realism when predicting changes in species distributions. *PLoS ONE.* 13(4):e1094650. (*both authors contributed equally)

19. Clink, D., C. Dillis, K. Feilen, **L. Beaudrot**, and A.J. Marshall. (2017). Dietary diversity, feeding selectivity and responses to fruit scarcity of two sympatric Bornean primates (*Hylobates agilis* and *Presbytis rubicunda rubida*). *PLoS ONE,* 12(3): e0173369.

18. **Beaudrot, L.**[+], J.A. Ahumada[+], T. O'Brien, P. Alvarez-Loayza, K. Boekee, A. Campos-Arceiz, D. Eichberg, S. Espinosa, E. Fegraus, C. Fletcher, K. Gajapersad, C. Hallam, M. Hockemba, J. Hurtado, P. Jansen, A. Kumar, E. Larney, M. Lima, C. Mahony, E. Martin, A. McWilliam, B. Mugerwa, J. Razafimahaimodison, H. Romero-Saltos, F. Rovero, J. Salvador, F. Santos, D. Sheil, W. Spironello, M. Willig, N. Winarni, A. Zvoleff and S. Andelman. (2016). Standardized assessment of biodiversity trends in tropical forest protected areas: The end is not in sight. *PLOS Biology* 14(1): e1002357. ([+]both authors contributed equally) **In top 50 downloads from the *PLOS Biology* website 2016.

17. Rowan, J., Kamilar, J.M., **Beaudrot, L.** and K.E. Reed. (2016). Strong influence of paleoclimate on the structure of modern African mammal communities. *Proceedings of the Royal Society B.* 283: 20161207.

16. **Beaudrot, L.**, Kroetz, K., Alvarez-Loayza, P., Amaral, I., Breuer, T., Breuer Hockemba, M., Fletcher, C., Jansen, P., Kenfack, D., Lima, M., Marshall, A.R., Martin, E.H., O'Brien, T., Razafimahaimodison, J.C., Romero-Saltos, H., Rovero, F., Roy, C.H., Sheil, D., Silva, C.E.F., Spironello, W.R., Valencia, R., Zvoleff, A., Ahumada, J. and S. Andelman. (2016). Limited carbon and biodiversity co-benefits for tropical forest mammals and birds. *Ecological Applications.* 26(4):1098-1111.

15. Belmaker, J., Zarnetske, P.L, Tuanmu, M.-N., Zonneveld, S., Record, S., Strecker, A.L. and **L. Beaudrot**. (2015). Empirical evidence for the scale-dependence of biotic interactions. *Global Ecology and Biogeography*. 24:750-761.

14. Kamilar, J.K., **Beaudrot, L.** and K.E. Reed. (2015). Climate and species richness predict the phylogenetic structure of African mammal communities. *PLoS ONE.* 10(4): e0121808.

13. Dillis, C., **Beaudrot, L.,** Clink, D.J., Feilen, K.L., Wittmer, H.U. and A.J. Marshall. (2015). Modeling the ecological and phenological predictors of fruit consumption by gibbons (*Hylobates albibarbis*). *Biotropica.* 47(1): 85-93.

12. **Beaudrot, L.**, Kamilar, J.K., Marshall, A.J. and K.E. Reed. (2014). African primate assemblages exhibit a latitudinal gradient in dispersal limitation. *International Journal of Primatology.* 35:1088-1104.

11. Kamilar, J.K., **Beaudrot, L.** and K.E. Reed. (2014). The influences of species richness and climate on the phylogenetic structure of African Haplorhine and Strepsirrhine primate communities. *International Journal of Primatology.* 35:1105-1121.

10. Marshall, A.J., **Beaudrot, L.** and H.U. Wittmer. (2014). Responses of primates and other frugivorous vertebrates to plant resource variability over space and time at Gunung Palung National Park. *International Journal of Primatology.* 35:1178-1201.

9. Kamilar, J.K., **Beaudrot, L.** and K.E. Reed. (2014). Advances in primate community ecology research across spatial, temporal and phylogenetic scales. *International Journal of Primatology.* 35:1083-1087.

8. **Beaudrot, L.,** Rejmanek, M., and A.J. Marshall. (2013). Dispersal modes affect tropical forest assembly across trophic levels. *Ecography.* 36:984-993. **Selected as an Editor's Choice article by *Ecography*

7. **Beaudrot, L.,** Struebig, M.J., Meijaard, E., van Balen, S., Husson, S., and A.J.

Marshall (2013). Co-occurrence patterns of Bornean vertebrates suggest competitive exclusion is strongest among distantly related species. *Oecologia,* 173: 1053-1062.

6. **Beaudrot, L.,** Struebig, M.J., Meijaard, E., van Balen, S., Husson, S., Young, C.Y. and A.J. Marshall. (2013). Interspecific interactions between primates, birds, bats and squirrels may affect community composition on Borneo. *American Journal of Primatology*. 75:170-185.

5. Kamilar, J.K. and **L. Beaudrot.** (2013). Understanding primate communities: recent developments and future directions. *Evolutionary Anthropology.* 22:174–185.

4. **Beaudrot, L.** and A.J. Marshall. (2011). Primate communities are structured more by dispersal limitation than by niches. *Journal of Animal Ecology,* 80:332-341. **Following original publication, the article was subsequently highlighted in a special edition of the *Journal of Animal Ecology* entitled "Animal Ecology – Legacy of Charles S Elton."

3. **Beaudrot, L**., YanJu, D., Rahman, K., Rejmanek, M. and R. Harrison. (2011). Do epigeal termite mounds increase diversity of plant habitats in a tropical rain forest in Peninsular Malaysia? *PLoS ONE* 6(5): e19777.

2. **Beaudrot, L**., Kahlenberg, S., and A. Marshall. (2009). Why male orangutans do not kill infants. *Behavioral Ecology and Sociobiology*, 63:1549-1562. **In top 10 downloads from the *BES* website 2009.

1. Knott, C., **Beaudrot, L.**, Snaith, T., White, S., Tschauner, H., and G. Planansky. (2008). Female-female competition in Bornean orangutans. *International Journal of Primatology,* 29:975-997.

PEER-REVIEWED CONFERENCE AND WORKSHOP PROCEEDINGS

Authorship indicated for LAB MEMBERS with capitalization

Authorship indicated for interdisciplinary NSF grant trainees^{+} with a plus sign

3. Zalles^{+}, A., Hung^{+}, K.M., FINNERAN, A.E., **Beaudrot, L.,** and C.A. Uribe. (Accepted as Oral Presentation). An optimal transport approach for network regression. IEEE Conference on Control Technology. 2024 8th IEEE Conference on Control Technology and Applications (CCTA). Tyne, UK, August 21-23, 2024.

2. Hung^{+}, K.M., FINNERAN, A.E., **Beaudrot, L.,** and C.A. Uribe. (Accepted as Poster). Towards ecological network analysis with Gromov-Wasserstein distances.

1. Zalles^{+}, A., Hung^{+}, K.M., FINNERAN, A.E., **Beaudrot, L.,** and C.A. Uribe. (2023). Network regression with Wasserstein distances. NeurIPS 2023 Workshop Optimal Transport and Machine Learning.

PEER-REVIEWED BOOK CHAPTER

1. Kamilar, J.M. and **L. Beaudrot**. (2021). Quantitative Methods for Primate Biogeography and Macroecology. In *Spatial analysis in field primatology: Appyling GIS at varying scales*. Edited by Dolins, F., Shaffer, C.A., Hickey, J.R., Nibbelink, N.P. and L. Porter.

FUNDING (PENDING)

2025 – 2029 National Science Foundation Biodiversity on a Changing Planet, Collaborative Research, lead **PI Beaudrot** with Rice University PI Sylvia Dee, Co-PI Guha Balakrisnan, and Co-PI Cesar Uribe ($1,536,217)

FUNDING (AWARDED)

2022 – 2025 National Science Foundation Macrosystems Biology and NEON-Enabled Science, **PI Beaudrot** with Co-PI Cesar Uribe ($334,795)

2022 – 2024 Rice University Faculty Initiatives Fund, **PI Beaudrot** with Co-PI Amy Dunham and Co-PI Meng Li ($49,312)

2022 – 2023 Rice University Sustainable Futures Fund, **Co-PI Beaudrot** with PI Cesar Uribe ($50,000)

2020 – 2023 Research Council of Norway Young Research Talents and Mobility Grants, **Co-PI Beaudrot** with PI Douglas Sheil (Norwegian University of Life Sciences) and Co-PI Richard Bischof (Norwegian University of Life Sciences) ($917,805)

2019 – 2020 Rice University Interdisciplinary Excellence Award (IDEA), **Co-PI Beaudrot** with PI Allison Hunter and Co-PI Amy Dunham ($65,000)

2019 – Rice University Award for International Collaboration, **Co-PI Beaudrot** with PI Amy Dunham ($10,000)

2019 – Rice University Office of the Provost funding for Environmental Faculty Summer Event Series, **PI Beaudrot** with Co-PIs Caroline Masiello, Richard Johnson & Sylvia Dee ($2500)

2016 – 2019 NSF (Biological Anthropology) Collaborative Research: Understanding Temporal Variation in Primate Communities: Integrating Data from Extant and Fossil Species. **Senior Personnel** with PI Jason Kamilar (U Mass Amherst) and Co-PI Kaye Reed (Arizona State).

2015 – 2018 NSF (MacroSystems Biology) Collaborative Research: EAGER-NEON: Using Intraspecific Trait Variation to Understand Processes Structuring Continental-Scale Biodiversity Patterns. **Senior Personnel** with PI Phoebe

Zarnetske (Michigan State), Co-PI Sydne Record (Bryn Mawr), Co-PI Ben Baiser (U Florida), and Co-PI Angela Strecker (Portland University).

LAB MEMBER FUNDING & FELLOWSHIPS

2024 – 2029 Michigan State University Distinguished Fellowship, MIGUEL SILVA ($81,000)

2024 – 2025 Michigan State University College of Natural Science Recruiting Fellowship, MIGUEL SILVA ($39,000) [Declined for MSU UDF]

2024 – 2028 National Science Foundation Graduate Research Fellowship, ANNIE FINNERAN ($138,000)

2023 – 2024 Lewis & Clark Fund for Exploration and Field Research, American Philosophical Society, ANNIE FINNERAN ($5,000)

2023 – 2024 Rice University Expanding Horizons Fellowship, ANNIE FINNERAN ($4000)

2022 – 2023 Rice University Vaughn Fellowship, DAN GORCZYNSKI ($16,750)

2021 – 2023 Republic of China (Taiwan) Ministry of Education Scholarship to Study Abroad, CHIA HSIEH ($32,000)

2021 – 2022 Rice University James T. Wagoner Foreign Study Scholarship, DAN GORCZYNSKI ($15,000)

2020 – 2021 Lewis & Clark Fund for Exploration and Field Research, American Philosophical Society, DAN GORCZYNSKI ($5,000)

2020 – 2021 Rice University Diana McSherry and Patrick Poe Research Award in Ecology & Evolutionary Biology, DAN GORCZYNSKI ($5,000)

2019 – 2020 Northrop Grumman and Conservation International Technology for Conservation (T4C) University Grant, DAN GORCZYNSKI ($20,000)

2019 Sigma Xi Grants in Aid of Research, DAN GORCZYNSKI ($1000)

2018 – 2019 Worden Fellowship, DAN GORCZYNSKI

FELLOWSHIPS & AWARDS

U Michigan Society of Fellows Fellowship	2015
UC Davis The Distinguished Dissertation in Biological and Life Sciences	2015
UC Davis Dissertation Year Fellowship (1 of 6 campus wide)	2013

AAPA Comas Prize for Outstanding Student Podium Presentation	2013
UC Davis Graduate Group in Ecology Fellowship	2012
UC Davis Professors for the Future Fellowship	2011
UC Davis Graduate Group in Ecology Fellowship	2011
UC Davis Career Discovery Fellowship	2010
NSF Graduate Research Fellowship	2008
Harvard Arnold Arboretum and CTFS Biology Field Course Fellowship	2008
Middlebury College Ron Brown Fellowship for Summer Research	2004
Middlebury College Kellogg Prize for Top Paper in the Classics	2002
National Latin Exam Scholarship Renewal	2002
National Latin Exam Scholarship	2001
Salutatorian, The Lovett School	2001

INVITED SEMINARS

University of Oklahoma, School of Biological Sciences, Norman, OK April 2024
Human impacts on mammal community structure from the past to the present

Michigan State, Integrative Biology Department, East Lansing, MI April 2023
Historical and contemporary changes in mammal community structure

University of Michigan, Anthropology Department, Ann Arbor, MI April 2023
Historical and contemporary anthropogenic effects on mammal communities

Duke University, Nicholas School of the Environment, Durham, NC February 2023
Past and present human impacts on large mammal communities

University of Calgary, Faculty of Science, Alberta, Canada January 2023
Applied data science for tropical ecology and conservation

Georgia Tech, College of Biological Sciences, Atlanta, Georgia January 2023
Past and present human impacts on tropical forest mammals

University of Calgary, Department of Anthropology, Alberta, Canada November 2022
Ecology and conservation of primates and other protected tropical forest mammals

Texas Tech University, Lubbock, TX (Virtual) February 2022
Macroecology of tropical forest mammal communities

University of Liverpool, School of Environmental Sciences, UK (Virtual) March 2021
Global ecology and conservation of tropical forest mammals in protected areas

University of Calgary, Department of Anthropology, Alberta, Canada November 2020
(Virtual seminar following cancelled in person visit for March 2020 due to COVID-19)
Primate communities in a comparative macroecological context

Rice University, EEPS Department, Houston, TX March 2020
Ecology and conservation of tropical forest wildlife

Duke University, Ecology Seminar Series, Durham, NC February 2020
Ecology and conservation of tropical forest mammals in protected areas worldwide

Columbia University, E3B Department, New York, NY October 2019
Insights into the ecology and conservation of tropical forest mammals from a global monitoring network

Stonybrook University, Centre ValBio, Madagascar August 2019
Occupancy modeling and TEAM contributions to conservation

Rice University, Machine Learning Lunch Series January 2019
Image data and analysis for tropical conservation

U Mass Amherst, Biological Sciences Department & Data Science October 2017
Tropical mammal community assembly from global to local scales

Rice University, Biological Sciences Department & Data Science February 2017
Big data and analytics for global conservation

Simon Fraser University, Biological Sciences Department February 2017
Community assembly of tropical mammal from global to local scales

Marquette University, Biological Sciences Department December 2016
Tropical mammal community assembly from global to local scales

U Michigan, Michigan Society of Fellows, Dinner Series October 2016
What can 'big data' tell us about tropical wildlife conservation?

Conservation International, Inside Science Seminar Series April 2016
TEAM Insights: Wildlife trends with Jorge Ahumada

U Michigan, School of Natural Resources and the Environment, February 2015
Conservation Ecology Seminar Series
Terrestrial vertebrate conservation in tropical forest protected areas

U Michigan, Ecology & Evolutionary Biology Seminar Series December 2015
Macroecology of environmental filtering and dispersal in tropical vertebrate communities

U Michigan, Michigan Society of Fellows, Lunch Colloquium Series December 2015
Conservation insights from a pantropical camera trap network

Middlebury College, Environmental Studies Colloquium Series November 2015

Conservation Biology: Looking forward with an eye on the rearview mirror

INVITED WORKSHOPS & WORKING GROUPS

Disentangling Drivers of Geographic Variation in Vertebrate Behaviour (sMacrobehaviour SynFlex Working Group) German Centre for Integrative Biodiversity Research (iDiv) 2025-2027

Range Edge Dynamics (sRED SynFlex Working Group) 2025-2027
German Centre for Integrative Biodiversity Research (iDiv)

Wildlife Insights Summit, October 11th, 2017
Gordon and Betty Moore Foundation, Palo Alto, California

Bayes Workshop for Practicing Ecologists, May 21-30th, 2014
Colorado State University, Fort Collins, Colorado
National Science Foundation (NSF)

Scaling Up: Continental Scale Ecology for Early Career 2013
Scientists, June 4-7th, Linthicum Heights, Maryland
Ecological Society of America (ESA)

CONTRIBUTED CONFERENCE SYMPOSIA

Ecological Society of America/Canadian Society of Ecology and Evolution August 2022
Macroecology of trophic interactions in a changing world

International Symposium of Integrative Zoology, New Zealand December 2019
Wildlife monitoring and conservation with camera trapping

Association of Tropical Biology & Conservation, Madagascar August 2019
Synthesizing camera trapping data for tropical ecology and conservation

American Association of Physical Anthropology, TN April 2013
Primate communities across spatial, temporal and phylogenetic scales

CONFERENCE ORAL PRESENTATIONS

International Biogeography Society, Prague, Czech Republic January 2024
Mammal food web robustness to extinctions

Ecological Society of America, Portland, Oregon August 2023
Testing the influence of social context on the occurrence of mixed-species groups of Serengeti grazers

International Congress on Conservation Biology, Rwanda July 2023

Pantropical assessment of mammals and birds reveals significant declines within protected areas

Ecological Society of America and Canadian Society of Ecology and Evolution joint meeting, Montreal, Canada August 2022
Intermediate elevations support the highest tropical mammal diversity

Ecological Society of America 105st Annual Meeting (Virtual) August 2021
Pantropical assessment of mammals and birds reveals significant declines within protected areas.

American Society of Mammalogists (Virtual) June 2021
Functional ecology and conservation of tropical forest mammals in protected areas Worldwide (Invited speaker in the symposium "Frontiers in trait-based mammalian ecology")

Ecological Society of America 104st Annual Meeting (Virtual) August 2020
A test of the stress gradient hypothesis with mixed-species groups of Serengeti grazers

11th International Symposium of Integrative Zoology December 2019
Massey University, Auckland, New Zealand
Geographical variation in terrestrial mammal food webs

Ecological Society of America 103st Annual Meeting, KY August 2019
Geographical variation in terrestrial mammal food webs

Association for Tropical Biology and Conservation, Madagascar August 2019
Food web structure of tropical forest mammals varies among continents

10th International Symposium of Integrative Zoology October 2018
Chinese Academy of Sciences, Beijing, China
Impacts of global change on terrestrial mammals in tropical forest protected areas

Ecological Society of America 101th Annual Meeting, Ft. Lauderdale, FL August 2016
Synergistic effects of temperature and community composition on tropical mammals

International Primatological Society & American Society of Primatologists Joint Meeting, Chicago, IL. August 2016
African primate vulnerability to climate change

Ecological Society of America 99th Annual Meeting, Sacramento, CA August 2014
Do tropical forests with higher above ground carbon storage support more endothermic terrestrial species?

Ecological Society of America 98th Annual Meeting, Minneapolis, MN August 2013
Latitudinal gradients in African mammal dispersal limitation

American Association of Physical Anthropology 83th Annual Meeting, TN April 2013
Correlates of dispersal limitation in African mammal communities

Ecological Society of America 97th Annual Meeting, Portland, OR August 2012
The co-assembly of tropical plant communities and their vertebrate seed dispersers

American Association of Physical Anthropology 82th Annual Meeting, OR April 2012
Co-occurrence patterns suggest that interspecific competition shapes communities of primates, birds, bats and squirrels in Borneo

UC Davis, Graduate Student Symposium in Ecology February 2012
Dispersal limitation of vertebrate seed-dispersers affects tree community composition

Ecological Society of America 96th Annual Meeting, Austin, TX August 2011
Tropical forest primate communities are structured more by dispersal limitation than by species sorting along environmental gradients

EDITOR

Ecological Monographs, Subject-matter Editor, 2022-2025
International Journal of Primatology, Special Issue on Primate Communities (12/2014)

INVITED REVIEWER

Grants:
European Biodiversity Partnership Biodiversa+ Program
National Academy of Sciences Pakistan-U.S. Science & Technology Program
Natural Sciences and Engineering Research Council of Canada
National Science Foundation GRFP and other programs
The Leakey Foundation

Journals:
American J. of Physical Anthropology
American J. of Primatology
American Naturalist
Animal Behaviour
Animal Conservation
Behavioral Ecology and Sociobiology
Biological Conservation
Biotropica,
Conservation Science and Practice
Diversity
Ecography
Ecological Applications
Ecological Research
Ecology
Ecology & Society
Ecology Letters
Environmental Conservation
Frontiers in Ecology & the Environment
Global Change Biology
Global Ecology and Biogeography
Global Ecology and Conservation
International J. of Primatology
Journal of Biogeography
Journal of Tropical Ecology
Mammalia
Nature

Nature Biodiversity Reviews
Nature Communications
Nature Ecology & Evolution
Oecologia
Oikos
Oryx
PLOS Biology
PNAS
Proceedings B
Science
Science Advances
Scientific Reports

MEDIA COVERAGE

Gorczynski et al. (2023) *Ecology*
TerraDaily

Semper-Pascual et al. (2023) *Nature Ecology & Evolution*
The Guardian (UK)
Irish Examiner
NatureToday (Dutch)

Fricke, E., HSIEH, C., Middleton, O., GORCZYNSI, D., M., Cappello, C., Sanisidro, S., Rowan, J., Svening, J-C., and **L. Beaudrot** (2022) *Science*
Science Insights Perspective by Eoin O'Gorman
Futurism
India Education Diary
Jerusalem Post
News 9 Live
SciTechDaily
Descopera (Romanian)
Futura Sciences (French)
Greendex (Hungarian)
National Geographic Germany (German)
Notimerica, Servimedia (Spanish)

GORCZYNSKI, D. and **L. Beaudrot** (2022) *Methods in Ecology and Evolution*
GCN
India Education Diary
Futurity

Vallejo-Vargas et al. (2022) *Nature Communication*
Futurity

GORCZYNSKI, D. et al. (2021) *Proceedings B*
Futurity
Earth.com

GORCZYNSKI, D. and **L. Beaudrot**. (2021) *Biotropica*
National Parks Explorer

Beaudrot, L., et al. (2020) *Ecology*
Rice News
Kompas (Indonesian)

MOORE, JENNIFER F., et al. (2020) *Animal Conservation*
Mongabay
Afrik21

Rowan, **Beaudrot** et al. (2020) *Proceedings of the National Academy of Sciences*
SciTechDaily
CBS Radio spot
NSF Research News
PNAS Commentary by Richard Corlett
ASU News, Rice News, UMass Amherst News
Europa Press (Spanish)
International Business Times (Singapore)

Beaudrot et al. (2019) *Global Ecology & Biogeography*
Science World Report

Beaudrot et al. (2016) *Plos Biology*
PBS NewsHour Television Interview: http://www.pbs.org/video/2365650068/
LA Times news article with University of Michigan Video "Say cheese for science: Camera traps show how habitat protection aids biodiversity" (January 19, 2016) https://www.youtube.com/watch?v=1ByYqUPBX0E
PLOS Biology Synopsis "Hope for Tropical Biodiversity After All"
News articles in more than 20 outlets globally including Europe, India, and New Zealand with articles in Spanish, Portuguese, Italian and Slovenian

Rowan, Kamilar, **Beaudrot** and Reed (2016) *Proceedings B*
Climate Wire, Michigan News

ACADEMIC TEACHING EXPERIENCE (Instructor)

Rice University, BIOS 338/538 Analysis & Visualization of Biological Data
Rice University, BIOS 568 Topics in Biological Diversity
Rice University, BIOS 401 Undergraduate Honors Research
Rice University, BIOS 310 Independent Study for Biosciences Undergraduates
Rice University, BIOS 306 Undergraduate Independent Research
U Michigan, EEB 410 Undergraduate EEB Major Capstone Seminar
U Michigan, EEB 401/NRE 501/PitE 463 Climate Change & Conservation
U Michigan, Ecology & Evolutionary Biology 300: Independent Research
UC Davis, Anthropology 199: Special Study for Advanced Undergraduates

ACADEMIC TEACHING EXPERIENCE (Teaching Assistant)

UC Davis, Wildlife Fish & Conservation Biology 110: Mammalogy
UC Davis, Anthropology 158: Biological Bases of Sex Differences
UC Davis, Biological Sciences 2B: Principles of Ecology and Evolution

PROFESSIONAL DEVELOPMENT TEACHING EXPERIENCE

UC Davis, Ecology 298: Public Speaking & Improving Presentations
UC Davis, Science and Society 5: Career Discovery Seminar
UC Davis, Science and Society 98: Positioning Yourself for Success

TEACHING EDUCATION & TRAINING

U Michigan, LSA Teaching Academy 2015
UC Davis, Education 398: Seminar on College Teaching
UC Davis, Professor for the Future Program, Teaching Retreat with Video Consultation

SERVICE AT MICHIGAN STATE UNIVERSITY

Integrative Biology Graduate Affairs Committee	2024-

SERVICE AT RICE UNIVERSITY

Statistics Faculty Search Committee Member	2023-2024
Natural Sciences E4 Initiative Steering Committee	2023
Natural Sciences Environmental Research Advisory Group Member	2022
Associate VP for Research Computing Search Committee Member	2022
University Committee on Information Technology	2020-2024
EEB Faculty Fellow Selection Committee Member	2020-2021
Ken Kennedy Institute Advisory Board	2019-2023
Duncan House Associate	2019-2023
Office of Research Environmental Task Force Member	2019-2021
Biosciences Faculty Search Committee Member	2019-2020
IBB Global Change Lightning Talk Event Chair	2019
Huxley Fellow Selection Committee Member	2018-2019
EEB Graduate Student Selection Committee Member	2017-2023

POSTDOCTORAL SCHOLARS

Dr. Matthew Wuensch, Michigan State University, Integrative Biology	2024-
Dr. Daniel Gorczynski, Rice University, Biosciences Department	2023
Dr. Jennifer Moore, Rice University, Biosciences Department	2018-2019

GRADUATE STUDENTS

PhD Advisor
Corrina Tapia, Michigan State University, PhD student in Integrative Biology

Miguel Silva, Michigan State University, PhD student in Integrative Biology
Chia Hsieh, Rice University, PhD student in Ecology & Evolutionary Biology, 2024
Daniel Gorczynski, Rice University, PhD in Ecology & Evolutionary Biology, 2023

PhD Committee
Emily Bardwell-Patino, MSU, Masters student in Integrative Biology
Annie Finneran, Rice University, PhD student in Ecology and Evolutionary Biology
Hengxing Zou, Rice University, PhD in Ecology & Evolutionary Biology, 2024
Pedro Pinto, Rice University, PhD in Ecology & Evolutionary Biology, 2024
Joshua Fowler, Rice University, PhD in Ecology & Evolutionary Biology, 2023
John Crum, Rice University, PhD in History, 2023
Jade Tonos, Rice University, PhD in Ecology & Evolutionary Biology, 2021
Julia Schedler, Rice University, PhD in Statistics, 2020
Shannon Carter, Rice University, PhD in Ecology & Evolutionary Biology, 2019

UNDERGRADUATE STUDENT RESEARCHERS

Mallory Tucker, Rice University, BIOS 310 Fall 2023 and Spring 2024
Isabella Estes, Rice University, SER Scholar Fall 2022 (co-advised with Cesar Uribe)
Zachary Katz, Rice University, ECE Summer 2022 REU (co-advised with Cesar Uribe)
Sarah Yao, Rice University, BIOS 310 Spring 2022
Citlali Villarreal, Rice University, BIOS 401 Fall 2020
Ava Johnson, Rice University, BIOS 310 Fall 2020
Hannah Vincent, Rice University, EEB 306 Fall 2019
James Ahn, Rice University, EEB 306 Summer 2019
Braulio Garcia, Rice University, EEB 306 Summer 2019
Nikhil Brueggermann, University of Michigan
Nicole DesJardins, University of Michigan
Carson Fox, UC Davis