Tyler R. Kartzinel

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EDUCATION

2012 Ph.D. Odum School of Ecology, The University of Georgia
Thesis: *The influence of landscape heterogeneity and species interactions on the distribution of an epiphytic orchid and its genetic variation.*
2007 B.A. Biology, Honors, *cum laude*, Rollins College
2007 B.A. Environmental Studies, Honors, *cum laude*, Rollins College

PROFESSIONAL APPOINTMENTS

2024- Associate Professor, Ecology, Evolution, and Organismal Biology, Brown University
2017- Core Fellow, Institute at Brown for Environment and Society, Brown University
2020-2024 Peggy & Henry D. Sharpe Assistant Professor of Environmental Studies, Brown University
2017-2024 Assistant Professor, Ecology, Evolution, and Organismal Biology, Brown University
2015-2017 NatureNet Fellow, Princeton University & The Nature Conservancy
2013-2015 Postdoctoral Research Associate, Princeton University
2007-2012 Presidential Fellow, The University of Georgia

DISCIPLINARY CONCENTRATIONS

Conservation biology, ecology and evolutionary biology, molecular ecology, population genetics.

REFEREED JOURNAL ARTICLES

(KARTZINEL LAB POSTDOC†, GRAD STUDENT‡; UNDERGRAD/POST-BAC§; FIELD/LAB RA; *JOINT FIRST AUTHOR.)

1. Khasoha LM, Rick JA, Reed CG‡, Brown BRP‡, Wagner CE, Mwangi EM, Busienei G, Galland L, Hassan AA, Hurlbert, A, Jakopak RP, Kurukura S, Lokeny P, Musila SM, Mweu AW, Newsome SD, Opiyo GL, Alston JM, Palmer TM, Pringle RM, **Kartzinel TR**, Goheen JR. 2026. Consumer-resource dynamics of populations and individuals: field tests of the abundance-occupancy relationship. *Ecology* in press.
2. Quiroz-Calizaya J, Lozada A, Kelt DA, Troncoso AJ, Meserve PL, Previtali MA, Milstead B, Gutiérrez JR, Weideman C, Gouin N, **Kartzinel TR**, Maldonado K, Bertin A. 2026.
3. Climate-driven resource availability drives medium- and broad-scale temporal changes in owl–prey interactions over 24 years in a semi-arid ecosystem. *Ecography* e08304.
4. Reed CG‡, Gomez C§, Albert L, Hassan A, Kurukura S, Stahl M, Palmer TM, Goheen JR, Pringle RM, **Kartzinel TR**. 2026 Experimental defaunation alters foraging behavior of a small antelope (Guenther's Dik-dik, *Madoqua guentheri*) in Kenya. *Journal of Mammalogy* 107: 426-438.
   - Cover article.
   - Editor's choice.
5. Abraham JO, Stahl M, Kurukura S, Hassan AA, Goheen JR, Palmer TM, **Kartzinel TR**, Pringle RM. 2026. Impacts of large herbivores on savanna plant communities: towards predictive models of selectivity and plant response. *Ecology* 10.1002/ecy.70445.
6. Lyons AL§,‡, Kartzinel RY, Brown BRP‡, Buchanan SW, Ferguson LM, Williamson BA, **Kartzinel TR**. 2026. Levels and partitioning of genetic variation of northeastern populations of diamondback terrapin (*Malaclemys terrapin*). *Journal of Heredity* 117: 73-84.

- Coverage by ecoRI news.

7. Hoff HK‡, Littleford-Colquhoun BL†, Geremia C, McGarvey LM, Anderson HM, Segal CR, Kartzinel RY, **Kartzinel TR**. 2025. The apportionment of dietary diversity in wildlife. *PNAS* 122: e2502691122.
   - Brown University Press Release.
   - Coverage by The Wildlife Society.
8. Vanderhoeven EA†, Florida MG§, Cliffe R, Guzman J, Notarnicola J, **Kartzinel TR**. 2025. Host specificity of gastrointestinal parasites in free-ranging sloths from Costa Rica. *PeerJ* 13: e19408. (BioRxiv preprint DOI: 10.1101/2024.11.22.624753.)
9. **Kartzinel TR**, Hoff HK‡, Divoll TJ, Littleford-Colqhoun BL†, Anderson H, Burak MK†, Kuzmina ML, Musili PM, Rogers H, Troncoso AJ, Kartzinel RY. 2025. Global availability of plant DNA barcodes as genomic resources to support basic and policy-relevant biodiversity research. *Molecular Ecology* 34: e17712.
   - Coverage by Mongabay, El Mostrador.
10. Videvall E†, Gill BA†, Brown MB, Lokeny P, Musili PM, Hoff HK‡, Littleford-Colquhoun BL†, **Kartzinel TR**. 2025. Diet and microbiome covariation at a contact zone between three giraffe species in Kenya. *Global Ecology and Conservation* 58: e03480. (SSRN preprint DOI: 10.2139/ssrn.4967687.)
    - Uppsala University Press Release.
    - Coverage by Forbes.
11. Reed CG‡, Swartz SM, Littleford-Colquhoun BL†, Florida M§, Torres L§, Roberts TJ, **Kartzinel TR**. 2025. Distinct morphological drivers of jumping and maneuvering performance in gerbils. *Journal of Experimental Biology* 228: JEB250091.
    - Selected for 'Inside JEB' highlight & illustration for non-specialists.
    - Early-career researcher highlight for Courtney Reed '23.
12. Littleford-Colquhoun BL†, Geremia C, McGarvey LM, Merkle JA, Hoff HK‡, Anderson H, Segal CR, Kartzinel RY, Maywar I, Nantais N, Moore C§, **Kartzinel TR**. 2024. Body size modulates the extent of seasonal diet switching by large mammalian herbivores in Yellowstone National Park. *Royal Society Open Science* 11: 240136.
    - Brown University Press Release.
    - Coverage by Newsweek, The Wildlife Society, and other media.
13. Wang KJ, Huang Y, **Kartzinel TR**, Majaneva M, Richter N, Liao S, Andresen CS, Vermassen F. 2024. Group 2i Isochrysidales thrive in marine and lacustrine systems with ice cover. *Scientific Reports* 14: 11449. (2024 *Nature* preprint DOI: 10.22541/essoar.170913595.57923245/v2.)
14. Karp AT, Koerner SE, Hempson GP, Abraham JO, Anderson TM, Bond JW, Burkepile DE, Goheen JR, Guyton JA, **Kartzinel TR**, Kimuyu DM, Mohanbabu N, Palmer TM, Porensky LM, Pringle RM, Ritchie ME, Smith MD, Thompson DI, Young TP, Staver AC. 2024. Grazing herbivores reduce herbaceous biomass and fire activity across African gradients. *Ecology Letters* 27: e14450.
15. Harvey Sky N, Britnell JA, Antwis R, **Kartzinel TR**, Rubenstein DI, Toye P, Karani B, Njeru R, Hinchclife D, Gaymer J, Mutisya S, Shultz S. 2024. Linking diet switching to reproductive performance across populations of two Critically Endangered mammalian herbivores. *Communications Biology* 7: 503.
    - *Communications Biology* featured article.
16. Brown BRP‡, Kasoha LM, Lokeny P, Jakopak, RP, Dyck M, Wambua A, Reed CG‡, Newsome SD, Palmer TM, Pringle RM, Goheen JR, **Kartzinel TR**. 2024. Spatiotemporal variation in the gut microbiomes of co-occurring wild rodent species. *Ecosphere* 15: e4854.
17. Littleford-Colquhoun BL† and **Kartzinel TR**. 2024. A CRISPR-based strategy for targeted sequencing in biodiversity science. *Molecular Ecology Resources* 24: e13920. (2023 *BioRxiv* preprint DOI: 10.1101/2023.06.30.547247v1.)

18. Gill BA[†], Wittemyer G, Cerling TE, Musili PM, **Kartzinel TR**. 2023. Foraging history of individual elephants using DNA metabarcoding. *Royal Society Open Science* 10: 230337.
    - Brown University Homepage Feature and Press Release.
    - Coverage by BBC World News Television, Times Radio, Newsweek, and other media.
19. Ang'ila RO[‡], Kimuyu D, Wambugu GM, Kenfack D, Musili PM, **Kartzinel TR**. 2023. Fine-scale variation in soil and topography influences herbaceous vegetation and the distribution of large mammalian herbivores. *African Journal of Ecology* 61: 706-716.
20. Patti TJ[§], Donihue CM[†], Dressler CT[§], Luo A[§], **Kartzinel TR**. 2023. Bite and seek: bite force and exploratory behavior of the lizard *Podarcis siculus* across its non-native range in the northeastern United States. *Biological Journal of the Linnean Society* 139: 231-242.
21. Brown BRP[‡], Goheen JR, Newsome SD, Pringle RM, Palmer TM, Khasoha LM, **Kartzinel TR**. 2023. Host phylogeny and functional traits differentiate gut microbiomes in a diverse natural community of small mammals. *Molecular Ecology* 32: 2320-2334.
22. Daskin JH, Becker JL, **Kartzinel TR**, Potter AB, Walker RH, Eriksson FA, Buoncore C, Getraer A, Long RA, Pringle RM. 2023. Allometry of behavior and niche differentiation among congeneric African antelopes. *Ecological Monographs* 93: e1549.
    - Cover article.
23. Wells HBM, Crego RD, Alston JM, Ndung'u KS, Khasoha LM, Reed CG[‡], Hassan AA, Kurukura S, Ekadeli J, Namoni M, Stewart, P, Kimuyu DM, Wolf AA, Young TP, **Kartzinel TR**, Palmer TM, Goheen JR, Pringle RM. 2023. Wild herbivores enhance resistance to invasion by exotic cacti in African savanna. *Journal of Ecology* 111: 33-44.
    - Cover article.
24. Thurman TJ, Palmer TM, Kolbe JJ, Askary A, Gotanda KM, LaPiedra O, **Kartzinel TR**, Man in't Veld NA, Revell LJ, Wegener J, Schoener TW, Spiller DA, Losos JB, Pringle RM, Barrett RDH. 2023. The difficulty of predicting evolutionary change in response to novel ecological interactions: a field experiment with *Anolis* lizards. *American Naturalist* 201: 537-556.
25. Littleford-Colquhoun BL[†], Sackett VI[§], Tulloss CV[§], **Kartzinel TR**. 2022. Evidence-based strategies to navigate the complexity of dietary DNA: a reply. *Molecular Ecology* 31: 5660-5665.
26. Donihue CM[†], Allender C, Dressler CT[§], Patti TJ[§], Luo A[§], **Kartzinel TR**. 2022. *Podarcis siculus* (Italian Wall Lizard). Predation. *Herpetological Review* 53: 500.
27. Pansu J, Hutchinson MC, Anderson TM, te Beest M, Begg CM, Begg KS, Bonin A, Chama L, Chamaille-Jammes S, Coissac E, Cromsigt JPGM, Demmel MY, Donaldson JE, Guyton JA, Hansen C, Imakando CI, Iqbal A, Kalima DF, Kerley GIH, Kurukura S, Landman M, Long RA, Munuo IN, Nutter CM, Parr CL, Potter AB, Siachoono S, Taberlet P, Waiti E, **Kartzinel TR**, Pringle RM. 2022. Cryptic dietary niche differentiation structures diverse large-herbivore assemblages. *Proceedings of the National Academy of Sciences, USA* 119: e2204400119.
    - Cover article.
    - *PNAS* Commentary by Melanie Dickie & Robert Serrouya. "Picky eating as a means for coexistence." *PNAS* 119, e2213906119 (2022).
28. Titcomb GC, Pansu J, Hutchinson MC, Tombak KJ, Hansen C, Baker CCM, **Kartzinel TR**, Young HS, Pringle RM. 2022. Large-herbivore nemabiomes: patterns of parasite diversity and sharing. *Proceedings of the Royal Society, B.* 289: 20212702.
29. Freeman PT[‡], Ang'ila RO[‡], Kimuyu D, Musili PM, Kenfack D, Lokeny P, Magid M[§], Gill BA[†], **Kartzinel TR**. 2022. Gradients in the diversity of plants and large herbivores revealed with DNA barcoding in a semi-arid African savanna. *Diversity* 14: 219.
    - Invited to Special Issue: *Plant DNA barcodes, community ecology, and species interactions* (edited by John Kress and Morgan Gostel).
30. Alston JM[*], Reed C[‡,*], Khasoha L, Brown BRP[‡], Busenei G, Carlson N, Coverdale TC, Dudenhoeffer M, Dyck M, Ekeno J, Hassan AA, Hohbein R, Jakopak RP, Kimiti B, Kurukura S,

Lokeny P, Louthan AM, Musila S, Musili PM, Tindall T, Weiner S, **Kartzinel TR**, Palmer TM, Pringle RM, Goheen JR. 2022. Ecological consequences of large herbivore exclusion in an African savanna: 12 years of data from the UHURU experiment. *Ecology* 103: e3649.
- Cover article.
- Highlighted in publication of the *Bulletin of the Ecological Society of America* by Reed C[‡] et al.

31. Littleford-Colquhoun BL[†], Freeman PT[‡], Sackett VI[§], Tulloss CV[§], McGarvey LM, Geremia C, **Kartzinel TR**. 2022. The precautionary principle and dietary DNA metabarcoding: commonly used abundance thresholds change ecological interpretation. *Molecular Ecology* 31: 1615-1626.
32. Coverdale TC, O'Connell RD, Hutchinson MC, Savagian A, **Kartzinel TR**, Palmer TM, Goheen JR, Augustine DJ, Sankaran M, Tarnita CE, Pringle RM. 2021. Large herbivores suppress liana infestation in an African savanna. *Proceedings of the National Academy of Sciences, USA* 118: e2101676118.
    - Cover article.
33. Wells HBM, Crego RD, Opedal ØH, Khasoha LM, Alston JM, Reed CG[‡], Weiner S, Kurukura S, Hassan AA, Namoni M, Ekadeli J, Kimuyu DM, Young TP, **Kartzinel TR**, Palmer TM, Pringle RM, Goheen JR. 2021. Experimental evidence that effects of megaherbivores on mesoherbivore space use are influenced by species' traits. *Journal of Animal Ecology* 90: 2510-2522.
    - Cover article.
    - Among the most downloaded papers for the journal in the year following publication.
34. Becker JL, Hutchinson MC, Potter AB, Park S, Guyton JA, Abernathy K, Americo V, Conceição A, **Kartzinel TR**, Kuziel L, Leonard NE, Lorenzi E, Martins NC, Pansu J, Scott WL, Stahl MK, Torrens KR, Stalmans ME, Long RA, Pringle RM. 2021. Ecological and behavioral mechanisms of density-dependent habitat expansion in a recovering African ungulate population. *Ecological Monographs* 91: e01476.
    - Cover article.
35. Wang KJ, Huang Y, Majaneva M, Belt ST, Liao S, Novak J, **Kartzinel TR**, Herbert TD, Richter N, Cabedo-Sanz P. 2021. Group 2i Isochrysidales produce characteristic alkenones reflecting sea ice distribution. *Nature Communications* 12: 15.
    - Brown University Press Release.
    - Identified in Web of Science as a Highly Cited Paper.
36. **Kartzinel TR** and Pringle RM. 2020. Multiple dimensions of dietary diversity in large mammalian herbivores. *Journal of Animal Ecology* 89: 1482-1496.
    - Cover article.
37. Guyton JA, Pansu J, Hutchinson MC, **Kartzinel TR**, Potter AB, Coverdale TC, Daskin JH, Gledis da Conceição A, Peel MJS, Stalmans ME, Pringle RM. 2020. Trophic rewilding revives biotic resistance to shrub invasion. *Nature Ecology and Evolution* 4: 712-724.
    - Cover article.
    - *Nature* News & Views Commentary.
38. **Kartzinel TR**, Hsing J, Musili PM, Brown BRP[‡], Pringle RM. 2019. Covariation of diet and gut microbiome in African megafauna. *Proceedings of the National Academy of Sciences, USA* 116: 23588-23593.
    - Cover article and photograph, *PNAS* Media Highlights.
    - Brown University Homepage Feature and Press Release.
    - Brown University's Division of BioMedicine 'Kudos' Highlighted Publication, October 2019.
39. Reese AT*, **Kartzinel TR***, Petrone BL, Turnbaugh PJ, Pringle RM, David LA. 2019. Using DNA metabarcoding to evaluate the plant component of human diets: a proof of concept. *mSystems* 4: e00458-19.
    - *mSystems* Commentary by Frank Maixner. "Molecular reconstruction of the diet in human stool samples." *mSystems* 4: e00634-19 (2019).

- Editor's pick: Research Article | Clinical Science and Epidemiology.
- *mSystems* homepage feature; among the all-time most read articles in *mSystems* (Nov. 2019).

40. Pringle RM*, **Kartzinel TR***, Palmer TM, Thurman TJ, Fox-Dobbs K, Xu CC, Hutchinson MC, Coverdale TC, Daskin JH, Evangelista D, Gotanda K, Man in 't Veld N, Wegener H, Kolbe JJ, Schoener TW, Spiller DA, Losos JB, Barrett RDH. 2019. Predator-induced collapse of niche structure and coexistence on islands. *Nature* 570: 58-64.
    - Cover article.
    - *Nature* News & Views Commentary by Oswald Schmitz. "Predators affect competitors' coexistence through fear effects." *Nature* 570: 43-44 (2019).
    - Recommended on Faculty of 1000.
    - *Nature* Nature Video. "The lizards rewriting the rules of ecology."
    - Coverage in *PBS NOVA*, AFP, *PNAS* Journal Club, and other media.
41. Trapnell DW, Hamrick JL, Smallwood PA, **Kartzinel TR**, Ishibashi CD, Quigley CTC. 2019. Phylogeography of the Neotropical epiphytic orchid, *Brassavola nodosa*: evidence for a secondary contact zone in northwestern Costa Rica. *Heredity* 123: 662-674.
42. Shefferson RP, Bunch W, Cowden CC, Lee Y-I, **Kartzinel TR**, Yukawa T, Downing J, Jiang H. 2019. Does evolutionary history determine specificity in broad ecological interactions? *Journal of Ecology* 107: 1582-1593.
    - Invited contribution to the special feature: *Macroevolution of biotic interactions in plants*.
43. Gill BA†, Musili PM, Kurukura S, Hassan AA, Goheen JR, Kress WJ, Kuzmina M, Pringle RM, **Kartzinel TR**. 2019. Plant DNA barcode library and regional phylogeny for a semi-arid savanna in Kenya. *Molecular Ecology Resources* 19: 838-846.
    - Spotlighted as a recent, notable publication on the *Molecular Ecology* Blog.
44. Pansu J, Guyton JA, Potter A, Atkins J, Daskin J, Wursten B, **Kartzinel TR**, Pringle RM. 2019. Trophic ecology of large herbivores in a reassembling African ecosystem. *Journal of Ecology* 107: 1355-1376.
45. Deagle BE, Thomas AC, McInnes JC, Clarke LJ, Vesterinen EJ, Clare EL, **Kartzinel TR**, Eveson JP. 2019. Counting with DNA in metabarcoding studies: how should we convert sequence reads to dietary data? *Molecular Ecology* 28: 391-406. (2018 *BioRxiv* preprint DOI: 10.1101/303461.)
    - Identified in Web of Science as a Highly Cited Paper.
    - Invited contribution to the special feature: *Species interactions, ecological networks and community dynamics*.
    - Among the most downloaded papers in *Molecular Ecology* for 2018-2020 (even prior to print).
46. Reese AT, Pereira FC, Schintlmeister A, Berry D, Wagner M, Hale LP, Wu A, Jiang S, Durand HK, Zhou X, Premont R, Mae Diehl A, O'Connell TM, Alberts SC, **Kartzinel TR**, Pringle RM, Dunn RR, Wright JP, David LA. 2018. Microbial nitrogen limitation in the mammalian large intestine. *Nature Microbiology* 3: 1441-1450.
47. Goheen JR, Augustine DJ, Veblen KE, Kimuyu DM, Palmer TM, Porensky LM, Pringle RM, Ratnam J, Riginos C, Sankaran M, Ford AT, Hassan AA, Jakopak R, **Kartzinel TR**, Kurukura S, Louthan AM, Odadi WO, Otieno TO, Wambua AM, Young HS, Young TP. 2018. Conservation lessons from large-mammal manipulations in East African savannas: the KLEE, UHURU, and GLADE experiments. *Annals of the New York Academy of Sciences* 1429: 31-49.
    - Invited contribution to the special issue: *The year in ecology and conservation biology*.
48. Budischak SA, Hansen CB, Caudron Q, Garnier R, **Kartzinel TR**, Pelcer I, Cressler C, van Leeuwen A, Graham A. 2018. Feeding immunity: physiological and behavioral responses to infection and resource limitation. *Frontiers in Immunology* 8: 1914.
    - Invited contribution to the special feature: *Wild immunology—the answers are out there*.

49. Pellegrini AFA, Anderegg WRL, Paine CET, Hoffmann WA, **Kartzinel TR**, Rabin SS, Sheil D, Franco AC, Pacala SW. 2017. Convergence of bark investment according to fire and climate structures ecosystem vulnerability to future change. *Ecology Letters* 20: 307-317.
    - *Nature* Highlights, Princeton Homepage Feature, coverage in *Boston Globe* & other media.
50. Coverdale TC, **Kartzinel TR,** Grabowski K, Shriver R, Hassan A, Goheen JR, Palmer TM, Pringle RM. 2016. Elephants in the understory: opposing direct and indirect effects of consumption and ecosystem engineering. *Ecology* 97: 3219-3230.
    - *Ecology* homepage feature.
51. **Kartzinel TR**, Campbell DA, Trapnell DW. 2016. Spatial patterns of haplotype variation in the epiphytic bromeliad *Catopsis nutans*. *Biotropica* 48: 206-217.
52. **Kartzinel TR**, Hamrick JL, Wang C, Bowsher AW, Quigley BGP. 2015. Heterogeneity of clonal patterns among patches of kudzu, *Pueraria montana* var. *lobata*, an invasive plant. *Annals of Botany* 116: 739-750.
53. **Kartzinel TR**, Chen PA, Coverdale TC, Erickson DL, Kress WJ, Kuzmina ML, Rubenstein DI, Wang W, Pringle RM. 2015. DNA metabarcoding illuminates dietary niche partitioning by African large herbivores. *Proceedings of the National Academy of Sciences, USA* 112: 8019-8024.
    - Identified in Web of Science as a Highly Cited Paper.
    - Cover article and photograph.
    - *PNAS* Commentary by David Tilman & Elizabeth Borer. “African mammals, foodwebs, and coexistence.” *PNAS* 112, 7890-7891 (2015).
    - *PNAS* “New and Newsworthy” feature; Recommended on Faculty of 1000.
    - Coverage in *New York Times*, *National Geographic*, NPR, and other media.
    - The paper and supporting data are the basis of a Howard Hughes Medical Institute BioInteractive Lab—a tool for curricular enhancement of “textbook” high school biology.
54. **Kartzinel TR** and Pringle RM. 2015. Molecular detection of invertebrate prey in vertebrate diets: Trophic ecology of Caribbean island lizards. *Molecular Ecology Resources* 15: 903-914.
55. **Kartzinel TR**, Goheen JR, Charles GK, DeFranco E, Maclean JE, Otieno T, Palmer TM, Pringle RM. 2014. Plant and small-mammal responses to large-herbivore exclusion in an African savanna: five years of the UHURU experiment. *Ecology* 95: 787-787.
    - Data paper published with *Ecological Archives* E085-064.
56. **Kartzinel TR**, Shefferson RP, Trapnell DW. 2013. Relative importance of pollen and seed dispersal across a Neotropical mountain landscape for an epiphytic orchid. *Molecular Ecology* 22: 6048-6059.
57. **Kartzinel TR**, Trapnell DW, Shefferson RP. 2013. Highly diverse and spatially heterogeneous mycorrhizal symbiosis in a rare epiphyte is unrelated to broad biogeographic or environmental features. *Molecular Ecology* 22: 5949-5961.
58. **Kartzinel TR**, Trapnell DW, Shefferson RP. 2013. Critical importance of large native trees for conservation of a rare Neotropical epiphyte. *Journal of Ecology* 101: 1429-1438.
    - Included in a virtual issue of select papers on endangered species by *Journal of Ecology*.
59. Trapnell DW, Hamrick JL, Ishibashi CD, **Kartzinel TR**. 2013. Genetic inference of epiphytic orchid colonization; it may only take one. *Molecular Ecology* 22: 3680-3692.
60. **Kartzinel TR**, Trapnell DW, Glenn TC. 2012. Microsatellite primers for the Neotropical epiphyte *Epidendrum firmum* (Orchidaceae). *American Journal of Botany* 99: e450-452.

BOOK CHAPTERS

61. Kelt DA, Meserve PL, Gutierrez JR, Bertin A, Gouin N, **Kartzinel TR**, Maldonado K, Milstead WB, Newsome S, Oli MK, Previtali MA, Yeakle J, Troncoso A. 2026. Long-term experimental ecology in semiarid Chile: initial plans, unanticipated results, and changing priorities. In *Luck, Failure, and Contingency in Ecology*. Post E (eds). Oxford University Press. In press.

WORKS IN PROGRESS

(KARTZINEL LAB POSTDOC†, GRAD STUDENT‡; UNDERGRAD/POST-BAC§; FIELD/LAB RA; *JOINT FIRST AUTHOR.)

a. In Review / Revision / Resubmitted

62. Brown BRP‡, Kasoha LM, Newsome SD, Palmer TM, Pringle RM, Goheen JR, **Kartzinel TR**. Experimental defaunation modifies the diet and gut microbiome of a wild gerbil, *Gerbilliscus robustus*. Revised and resubmitted to *Proceedings B*.
63. Farr J, Littleford-Colquhoun BL†, Watt D, Gano B, Jackson AC, **Kartzinel TR**, Hebblewhite M. Seasonality shapes diet dissimilarity between reintroduced bison and other ungulates in Banff National Park, Canada. Revised and resubmitted to *Ecosphere*.
64. Hedberg C†, Spencer S, Littleford-Colquhoun BL†, **Kartzinel TR**, Smith FA. How do oryx fit in? Evaluating trait-based predictions of dietary ecology in a native–introduced ungulate community. Revised and resubmitted to *Ecological Applications*.
65. Cao QL, Zhang Y-J, **Kartzinel TR**, Songer M, Shao C-L, Li J-C, Hu D-F, Leimgruber P, Rubenstein DI. Livestock exclusion reshapes winter coexistence between native and reintroduced wild equids. In review at *Journal of Applied Ecology*.
66. Hoff HK‡, Geremia C, Hamilton EW III, Littleford-Colquhoun BL†, Anderson HM, Kartzinel RY, Atwood ET, Divoll TJ, **Kartzinel TR**. DNA-based nutritional modeling reveals multiple strategies large herbivores use to navigate resource seasonality. In revision for *Ecology Letters*.
67. Burak MK†, Videvall E†, Gill BA†, Lokeny P, Brown MB, Musili PM, Gaymer J, **Kartzinel TR**. Anthropogenic movement barriers structure the diets of endangered reticulated giraffe. In revision for *Oikos.*
68. Luo A§, Donihue CM†, Dressler CT§, Patti TJ§, **Kartzinel TR**. Extreme cold survivorship in introduced Italian Wall Lizards (*Podarcis siculus*) in the northeastern United States. In revision for *Herpetology Notes*.
69. Polt DP§, **Kartzinel TR**, Kartzinel RY. Early postfire effects on seedling regeneration in a pine-oak forest of Rhode Island. In revision for *Rhodra*.
70. Stone MM‡, Espinosa M, Troncoso A, Gouin N, Bertin A, Chavez J‡, Jackson AC, Littleford-Colquhoun BL†, Hoff HK‡, Nantais N, Divoll TJ, Maldonado K, Newsome S, Kelt DA, **Kartzinel TR**. Diet inferences from DNA metabarcoding of small-mammal scats are robust to common sampling-strategy differences. In revision for *Journal of Mammalogy*.
71. McCulloch LA, Brown BRP‡, **Kartzinel TR**, Taylor BN, Porder S. The sum is greater than its parts: nodules containing fixing and non-fixing bacteria have higher nitrogen fixation rates in a tropical legume. In revision.

b. Completed Drafts

72. Reed CG‡, Kasoha LM, Brown BRP‡, Ang'ila RO‡, Busenei G, Hassan A, Kurukura S, Lokeny P, Maywar I, Miano C, Nantais N, Palmer TM, Pringle RM, Goheen JR, **Kartzinel TR**. Small mammal foraging behavior alters trophic network structure after large herbivore defaunation. Complete draft for *Ecology*.

SELECTED ABSTRACTS

(FIRST- AND SENIOR-AUTHOR ONLY; KARTZINEL LAB POSTDOC†, GRAD STUDENT‡, UNDERGRAD/POST-BAC§)

1. **Kartzinel TR** and Burak MK†. Three lessons from 13 years using dietary DNA in conservation. 111th Annual Meeting of the Ecological Society of America, Salt Lake City, UT, USA (invited speaker, organized oral session on innovative applications of DNA metabarcoding in ecology).
2. **Kartzinel TR**. 2024. Metabarcoding of animal diets for food chain reconstruction and conservation of complex systems. International Symposium: Long-term Research for Evidence-based Conservation, La Serena, Chile (invited speaker).

3. **Kartzinel TR**. 2020. Emerging challenges and opportunities using real-time metabarcoding in foraging ecology. 2nd Joint Annual Meeting of the British and French Ecological Societies. Online (invited speaker, organized thematic session: Capturing Ecology Across Scales Using New Technology).
4. Reed CG‡, Gomez C§, **Kartzinel TR**. 2020. Dik-diks decrease dietary selectivity for thorny *Acacia* after competitive release. 2020 Comparative Nutrition Society (poster presented online due to COVID-19).
   - Winner of the Malcolm Ramsey Memorial Scholarship: Field-based Nutrition Research.
5. Reed CG‡ and **Kartzinel TR**. 2020. Herbivore behavior shapes food web structure in response to changing resources. 2020 Animal Behavior Society Virtual Meeting (held online due to COVID-19).
6. Lyons A§, Bianca BRP‡, Kartzinel RY, **Kartzinel TR**. 2020. Genetics of diamondback terrapin (*Malaclemys terrapin*) populations in the northeastern United States. 2020 Northeast Natural History Conference, Stamford, CT, USA; cancelled due to COVID-19.
7. Reed CG‡, Goheen JR, Bianca BRP‡, Pringle RM, Palmer TM, **Kartzinel TR**. 2019. Climate-mediated rewiring of small mammal trophic networks in response to defaunation on a Kenyan savanna. 99th Annual Meeting of the American Society of Mammalogists, Washington, DC, USA.
8. Bianca BRP‡, Goheen JR, Malingati L, Palmer TM, **Kartzinel TR**. 2019. Evolutionary history predicts microbiome composition for orders, but not species, of co-occurring mammals. Evolution 2019, Providence, RI, USA (talk); Gordon Research Conference on Animal-Microbiome Symbioses 2019, West Dover, VT, USA (poster).
9. **Kartzinel TR**, Pringle RM, Goheen JR. 2017. Consequences of African large herbivore declines on food webs of small mammals. 102nd Annual Meeting of the Ecological Society of America, Portland, OR, USA (invited speaker, organized oral session on large-herbivore ecology).
10. **Kartzinel TR**. 2017. Wildlife diets and microbiota: climate and African megaherbivores shape ecological networks. 54th Annual Meeting of the Association for Tropical Biology and Conservation, Merida, Yucatan, Mexico (symposium invited speaker, biotic interactions in the Anthropocene).
11. **Kartzinel TR** and Pringle RM. 2016. DNA metabarcoding reveals fine-scale structure and change in large African herbivore food webs. 101st Annual Meeting of the Ecological Society of America, Fort Lauderdale, FL, USA.
12. **Kartzinel TR**. 2016. Predicting changes to the food webs of African large herbivores in the Anthropocene. 53rd Annual Meeting of the Association for Tropical Biology and Conservation, Montpellier, France (invited speaker, symposium on tropical plant-animal interactions in the Anthropocene).
13. **Kartzinel TR** and Pringle RM. 2015. DNA metabarcoding illuminates dietary niche partitioning by large herbivores in Africa. *Genome* 5: 236-236.
14. **Kartzinel TR**. 2015. DNA metabarcoding illuminates dietary niche partitioning by large herbivores in Africa. 6th International Barcode of Life Conference, University of Guelph, Canada.
15. **Kartzinel TR**, Shefferson RP, Trapnell DW. 2012. Phylogeographic structure of the Neotropical epiphytic orchid *Epidendrum firmum* corresponds to differences in symbiotic fungal communities. 97th Annual Meeting of the Ecological Society of America, Portland, OR, USA.
16. **Kartzinel TR**, Bunch WD, Cowden CC, Trapnell DW, Shefferson RP. 2011. Diverse suites of mycorrhizal fungi vary among populations of the rare Neotropical lady's slipper orchid, *Phragmipedium longifolium*. 96th Annual Meeting of the Ecological Society of America, Austin, TX, USA (poster).
17. **Kartzinel TR**, Bunch WD, Cowden CC, Trapnell DW, Shefferson RP. 2011. Diverse suites of mycorrhizal fungi vary among populations of the rare Neotropical lady's slipper orchid, *Phragmipedium longifolium*. Southeastern Ecology and Evolution Conference, Auburn, MS, USA.

INVITED LECTURES

2026 Dartmouth University, Hanover, NH, USA (departmental seminar).
2026 University of Massachusetts Dartmouth, Dartmouth, MA, USA (departmental seminar).
2024 Brown University, Providence RI, USA (Data Science Institute "data and donuts" event).
2024 Georgia Tech, Atlanta, GA, USA (departmental seminar).
2024 Duke University, Durham, NC, USA (departmental seminar).
2023 Virginia Tech, Blacksburg, VA, USA (departmental seminar).
2023 Washington and Lee University, Lexington, VA, USA (canceled due to departmental conflict).
2023 University of New Mexico, Albuquerque, NM, USA (departmental seminar).
2023 Brown University, Providence, RI, USA (Division of Biology & Medicine retreat).
2023 College of the Holy Cross, Worcester, MA, USA (departmental seminar).
2022 University of New Mexico, Albuquerque, NM, USA (departmental seminar); postponed due to COVID-19.
2022 College of the Holy Cross, Worcester, MA, USA (departmental seminar); postponed due to COVID-19.
2022 Kansas State University, Division of Biology, Manhattan, KS, USA (departmental seminar).
2021 GIBI/ITV-Norway International Meeting 2021 – Biodiversity monitoring and mapping. Online.
2021 Plant.ID seminar series: Molecular identification of plants for science and society. Marie-Curie Innovative Training Network: Plant.ID network. Online (keynote speaker).
2020 TiBE – Trends in Biodiversity and Evolution Conference, CIBIO/InBIO, Universidade do Porto, Lisboa, Portugal & The Closing Meeting of the ERA Chair Project EnvMetaGen. Online (plenary speaker).
2020 Thirteenth Biennial Symposium of the Comparative Nutrition Society, planned for Solitude, UT, USA; held online due to COVID-19 (plenary speaker).
2020 University of New Mexico, Albuquerque, NM, USA (departmental seminar); postponed due to COVID-19.
2019 Max Planck–Yale Center for Biodiversity Movement and Global Change, New Haven, CT, USA (public symposium).
2019 Providence College, Providence, RI, USA (departmental seminar).
2018 University of Idaho, Moscow, ID, USA (student-invited speaker, Institute for Bioinformatics & Evolutionary Studies and Bioinformatics & Computational Biology).
2018 University of Connecticut, Storrs, CT, USA (departmental seminar).
2018 Rhode Island College, Providence, RI, USA (departmental seminar).
2018 Iowa State University, Ames, IA, USA (departmental seminar).
2018 Mpala Research Centre, Laikipia, Kenya ("Science Friday" seminar).
2018 Syracuse University, Syracuse, NY, USA (departmental seminar).
2018 National Museums of Kenya, Nairobi, Kenya (departmental seminar).
2017 University of Wyoming, Laramie, WY, USA (departmental seminar).
2015 Brown University, Providence, RI, USA (departmental seminar).
2012 University of Georgia, Athens, GA, USA (Presidential Fellows lecture series).
2011 The Explorers Club, Columbia, SC, USA (guest speaker).
2011 Symbiofest, Athens, GA, USA (guest speaker).

RESEARCH GRANTS

Total External Awards Since 2017: $7.83 Million. Total Awarded to Brown: $2.86 Million.

a. Current Grants:

External Awards

2026-2029 NSF DEB-2611486. Collaborative Research: Experimental manipulation of a macroecological pattern: dispersal limitation and resource generalism as drivers of abundance-occupancy relationships. Role: PI of subaward via J. Goheen. Amount: $576,694 ($160,536 to Brown).

2026-2031 NSF DEB-2541065. Collaborative Research: LTREB: Experimental determination of trophic dynamics and energy flows in a semiarid habitat in Chile. Role: Co-PI with S. Newsome, D. Kelt, J. Yeakle. Amount: $600,000 ($229,691 to Brown).

2026-2030 DoD SERDP-RC26-0811. Process-based Models for Multi-Species Management: Incorporating Demography, Connectivity, and Species Interactions. Role: Co-PI with H. Rogers, T. Miller, E. Fricke. Amount: $1,997,544 ($412,617 to Brown).

2025-2026 NSF OPP-2420298. PRF: Finding a Future using the Past: Woodland Caribou Ecology in a Changing Arctic. Role: Supervisor to C. Hedberg. Amount $335,777.

2021-2026 NSF DEB-2046797. CAREER: Experimental tests of competition and facilitation among migratory large herbivores from Yellowstone National Park. Role: PI. Amount: $920,515.

Contracts

2026 Professional Services Agreement. USDA Agricultural Research Service, Poisonous Plant Research Laboratory & Utah State University. Role: PI. Amount: $34,000.

2026 Professional Services Agreement. University of New Mexico. Role: PI. Amount: $11,813.

2026 Professional Services Agreement. Sloth Conservation Foundation. Role: PI. Amount: $20,000.

2025 Professional Services Agreement. University of New Mexico. Role: PI. Amount: $1,000.

2025 Professional Services Agreement. University of Montana. Role: PI. Amount: $3,610.

Institutional Awards

2025-2026 IBES Catalyst Award. HelmBank: A use-inspired database essential for conservation, health, and biosecurity. Role: PI with Seda Şalap-Ayça. Amount: $60,000.

b. Pending Grant Proposals:

External Awards

Pending TBA

c. Completed Grants:

External Awards

2022-2026 NIH-R01DK128611. Using DNA sequencing to assess dietary species richness. Role: PI of subaward via L. David. Amount: $2,136,546 ($50,980 to Brown).

2020-2025 NSF DEB-2026294. Collaborative Research: LTREB: Experimental determination of trophic dynamics and energy flows in a semiarid habitat in Chile. Role: Co-PI with D. Kelt, S. Newsome, and J. Yeakel. Amount: $600,000 ($243,624 to Brown).

2023-2024 National Park Service Cooperative Research and Trainings Program P23AC00378. Training youth to evaluate dietary overlap of large herbivores using DNA barcoding. Role: PI. Amount: $11,750.

2021-2023 NSF OIA-2033823. RII Track-4: Collaborative partnerships at the cusp of wildlife ecology and molecular biology. Role: PI. Amount: $259,569.

2020-2023 NSF DEB-1930820. Collaborative Research: Testing predictions of the core-satellite and resource-breadth hypotheses in small mammal communities: field tests of a macroecological pattern. Role: Co-PI with J.R. Goheen. Amount: $300,000 ($150,000 to Brown).

2022-2023 National Park Service Cooperative Research and Trainings Program P22AC00332. Training youth to evaluate dietary overlap of large herbivores using DNA barcoding. Role: PI. Amount: $11,280.

2020-2021 RI DEM. Cooperative Agreement: Carrying out a population genetics analysis of diamondback terrapins in Rhode Island and surrounding regions. Role: PI. Amount: $7,500.

2017 Emerging Frontiers in Tropical Sciences Working Group, Organization for Tropical Studies. Predicting extinction of tropical species under climate change: combining precise data, robust models, and new perspectives. Role: Co-PI with W.J. Kress and C. Garcia-Robledo. Amount: undisclosed.

2011-2012 NSF DEB-1110307. The influence of landscape heterogeneity and mycorrhizal fungi on the distribution of an epiphytic orchid and its genetic variation. Role: Co-PI, Doctoral Dissertation Improvement Grant to T.R. Kartzinel. Amount: $14,986.

Institutional Awards

2024-2025 Brown OVPR Seed Award. Leveraging expert-verified data to bring wildlife parasitology into the genomics age. Role: PI with E. Vanderhoeven. Amount: $50,000.

2021-2022 Seed Funding. Institute at Brown for Environment and Society. A new CRISPR-based technology for conservation and biomedicine. Role: PI. Amount: $30,000.

2019-2020 Seed Funding. Institute at Brown for Environment and Society. Developing novel molecular tools to reconstruct Arctic sea ice extent. Role: Co-PI with Y. Huang and T. Herbert. Amount: $30,000.

2019-2020 HHMI-Sheridan Course-based Undergraduate Research Experiences: Conservation in the Genomics Age. Role: PI. Amount: $24,200.

2018-2021 Seed Funding. Institute at Brown for Environment and Society. Connecting earth observation and ecological networks. Role: PI with J.R. Kellner. Amount: $80,000.

2013-2015 Development Grand Challenges Program, Princeton Environmental Institute. Ecosystem spatial pattern and development opportunities in African rangelands. Role: Co-PI with R.M. Pringle, R.A. Long, and C.E. Tarnita. Amount: $200,000.

SERVICE

a. To the University & Department **Sabbaticals: Fall 2021, AY 2025-2026**

2026 OVPR Seed Award Reviewer, Brown University.
2025 Adjunct Environmental Scientist Search Committee, IBES, Brown University.
2025 OVPR Seed Award Reviewer, Brown University.
2025 Caleel Fellowship Committee, Biology and Medicine, Brown University.
2024-2025 Environmental Studies Curriculum Committee Member, IBES, Brown University.
2024-2025 Concentration advising, Biology, BioMedicine, Brown University (4 advisees).
2024-2025 Concentration advising, Environmental Studies, IBES, Brown University (5 advisees).
2024-2026 First-Year & Sophomore Advising, EEOB, Brown University.
2024 Faculty Partner, Brown Writing Fellows Program (course: BIOL1515/2015).
2024 Catalyst Research Award Review Committee, IBES, Brown University.
2024 Evolution Faculty Search Committee, EEOB, Brown University.
2024 Graduate Programming Committee, EEOB, Brown University.
2024 NSF EPSCoR Program, Limited Submission Reviewer, OVPR, Brown University.
2024 Caleel Fellowship Committee, Biology and Medicine, Brown University.
2023-2025 Biology Curriculum Committee Member, Biology and Medicine, Brown University.
2023-2024 Concentration advising, Biology, BioMedicine, Brown University (4 advisees).
2023-2024 Concentration advising, Environmental Studies, IBES, Brown University (7 advisees).

2023	Ecology Faculty Search Committee, EEOB, Brown University.
2023	Exemplar syllabus highlighted by Brown Biology Undergraduate Education for use of SMART learning objectives (course: BIOL1515/2015).
2022	Faculty Partner, Brown Writing Fellows Program (course: BIOL1515/2015).
2022-2023	Concentration advising, Biology, BioMedicine, Brown University (5 advisees).
2022-2023	Concentration advising, Environmental Studies, IBES, Brown University (11 advisees).
2021-2025	Alternate Member, Institutional Animal Care and Use Committee (IACUC), Brown University.
2021-2022	Committee to Identify Target of Opportunity Hires in EEOB, Brown University.
2021-2022	Subcommittee Chair, Departmental Diversity and Inclusion Action Plan Subcommittee on Inclusion, Equity, and Belonging, EEOB, Brown University.
2020-present	PI on Brown University's Master Cooperative Agreement with the National Park Service via the Cooperative Ecosystems Studies Unit.
2020-2023	Environmental Studies Curriculum Committee Member, IBES, Brown University.
2020-2021	Organizer, Departmental Diversity and Inclusion Action Plan Committee Invited Speaker series, EEOB, Brown University.
2020-2021	2021 Voss Postdoctoral Fellowship Selection Committee, IBES, Brown University.
2020	Exemplar Field Plan template for OVPR's COVID-19 Resuming Research.
2020-2021	Concentration advising, Biology, BioMedicine, Brown University (2 advisees).
2020-2021	Concentration advising, Environmental Studies, IBES, Brown University (3 advisees).
2019-present	Technical Representative to the North Atlantic Coast Cooperative Ecosystems Studies Unit for Brown University.
2019-2022	Committee member, Diversity and Inclusion Action Plan, EEOB, Brown University.
2019	Cohost of EEB-oSTEM seminars that highlight diverse research identities in biology.
2019-2020	Concentration advising, Environmental Studies, IBES, Brown University (2 advisees).
2019	Departmental retreat seminar, EEB, Brown University.
2018	Biodiversity subject-matter expert, Sustainability Planning Committee, Brown University.
2018-2019	Concentration advising, Environmental Studies, IBES, Brown University (2 advisees).
2018	Faculty search committee, Professor of Climate and Health, Department of Epidemiology & IBES, Brown University.
2018	Lunchtime seminar, IBES, Brown University.
2018	Environmental Studies Honors committee, IBES, Brown University.
2017	Departmental brown bag seminar, EEB, Brown University.
2017	Teatime talk, IBES, Brown University.
2011	Faculty search committee. Odum School of Ecology, University of Georgia.
2010-2011	Executive committee, Office of the Dean of Ecology, University of Georgia.
2010-2011	Graduate student representative, Ecology, University of Georgia.
2009-2011	Program committee (chair), Graduate symposium, Ecology, University of Georgia.
2008-2010	Undergraduate symposium convener and judge, Center for Undergraduate Research Opportunities, University of Georgia.

b. To the Profession:

Workshops, Working Groups, & Symposia Organized

2026 "Beyond the barcode: Innovative applications of DNA metabarcoding in ecology." Symposium at the annual meeting of the Ecological Society of America, Salt Lake City, Utah (co-organizer).

2026 "Wildlife Molecular Parasitology: Taxonomy to DNA." Organization for Tropical Studies, La Selva Biological Station, Costa Rica (invited faculty; co-organizer).
2025 "Molecular parasitology in wildlife: from taxonomy to DNA." Instituto Biología Subtropical, Puerto Iguazú, Argentina (co-organized with National Institute of Tropical Medicine, INMeT-ANLIS).
2024 "Plant DNA barcoding to advance knowledge of key forage resources in northern Kenya." Save the Elephants, Samburu, Kenya (co-organized with the National Museums of Kenya).
2020 "Ecology and conservation of diamondback terrapins in the northeast." Organized Session at the Northeast Natural History Conference, Stamford, CT, USA (organizer); cancelled due to COVID-19.
2018 "DNA barcoding: ecology and systematics in East African ecosystems." Training and development workshop, National Museums of Kenya, Nairobi, Kenya (organizer).
2017 "Tropical biotic interactions in the Anthropocene." Symposium at the 54th annual meeting of the Association for Tropical Biology and Conservation, Merida, Mexico (co-organizer).
2017 "Predicting extinction of tropical species under climate change: combining precise data, robust models, and new perspectives." Emerging Frontiers in Tropical Science Working Group, Organization for Tropical Studies, La Selva Biological Station, Costa Rica (co-organizer).

Workshops, Working Groups, & Symposia Participant

2021 "Workshop: Ecological analysis of dietary metabarcoding data." GIBI/ITV-Norway International meeting 2021 - Biodiversity monitoring and mapping (online).
2020 "Methods Roundtable." Thirteenth Biennial Symposium of the Comparative Nutrition Society, originally planned for Solitude, UT, USA; held online due to COVID-19 (invited plenary).
2019 "Symposium: Linking individual behavior to community responses in changing landscapes." Max Planck – Yale Center for Biodiversity Movement and Global Change, New Haven, CT, USA (invited).
2019 "State of the Field 2019: The Ancient DNA Revolution in Archaeology." Panel on alternative sources of ancient DNA. Joukowsky Institute for Archaeology and the Ancient World, Brown University, Providence, RI, USA (invited panel moderator).
2019 "CURE Faculty Institute." HHMI-Sheridan Center workshop to develop and enhance course-based undergraduate research at Brown University, Providence, RI, USA (funded participant).
2018 "Giraffe Conservation Science Symposium." To produce a 2030 conservation framework for giraffe. Smithsonian Conservation Biology Institute, Front Royal, VA, USA (invited).
2016 "Enhancing capacity for wildlife conservation in Equatorial Guinea." Stakeholder meeting, Biodiversity Initiative, Bata, Equatorial Guinea (invited).
2016 "Leveraging Prairie Reserves for Conservation Under Climate Change." Science Solution Space, The Nature Conservancy, Ordway Prairie, South Dakota, USA (invited).
2013 "Gorongosa National Park Science-Media Workshop." Gorongosa Restoration Project, Gregory C. Carr Foundation, Sun Valley, ID, USA (invited).

Society Committee Service

2025-present Member, Conservation Committee. Association for Tropical Biology and Conservation.

Reviewing

- Manuscript reviews: *Acta Oecologica*, *American Journal of Botany*, *American Naturalist*, *Biological Conservation* ("Outstanding Reviewer"), *Biological Journal of the Linnaean Society*, *Biotropica*, *Conservation Genetics*, *Current Biology*, *Diversity and Distributions*, *Ecological Applications*, *Ecology*, *Ecology and Evolution*, *Ecology Letters*, *Environmental DNA*, *Forest Ecology and Management*, *Global Ecology and Conservation*, *Heredity*, *Journal of Animal Ecology*, *Journal of Applied Ecology*, *Journal of Applied Entomology*, *Journal of Ecology*, *Journal of Heredity*, *Journal of Mammalogy*, *Marine Ecology Progress Series*, *Methods in Ecology and Evolution*, *Molecular*

Ecology, *Molecular Ecology Resources*, *Nature Communications*, *Oikos*, *PeerJ*, *Plant Molecular Biology Reporter*, *PLoS ONE*, *PNAS*, *Proceedings of the Royal Society B*, *Science Advances*, *Scientific Reports*, *Wildlife Biology*.

- Post-publication misconduct review: *Canadian Journal of Forest Research*.
- NSF review panels: 2021 Division of Environmental Biology / Population & Community Ecology.
- *Ad hoc* grant reviews: Czech Science Foundation, Icelandic Research Fund, National Geographic Society, South Africa National Research Foundation, US National Science Foundation.
- Curriculum reviews: Howard Hughes Medical Institute (HHMI) BioInteractive.
- Textbook reviews: Elsevier, Princeton University Press.
- Book chapter reviews: Plant.ID working group.
- External PhD project proposal reviews: 2021 Wageningen University – Netherlands (Wildlife Ecology and Conservation Group).

Advisory Positions

2018-2020 Senior Advisor, New Research Technologies, a laboratory for DNA and stable isotopes analysis at Mpala Research Centre, Kenya (NSF Award #1821088).

2013-2017 Advisor, Department of Scientific Services, Gorongosa Restoration Project, Mozambique.

Elected Positions

2007-2009 Society for Conservation Biology, Founding member of the State of Georgia & University of Georgia chapters. Vice President & Program Development Chair (2008-2009).

Select Media Coverage of Research and Teaching

"Why are we seeing so many spotted lanternflies?" *Brown Curious* 07/2026.
"Brown U. biologist explains why wild turkeys are city dwellers," *Brown Curious* 11/2025.
"Brown study finds decrease in diamondback terrapins' genetic diversity," *ecoRI news* 10/2025.
"An herbivore by any other name," *The Wildlife Society*, 9/2025.
"New research challenges animal dietary classifications in Yellowstone National Park," *News from Brown*, 7/2025.
"Plant barcoding: a key genetic tool that seeks to be strengthened in the Global South," *El Mostrador*, 7/2025.
"DNA sequencing to meet global biodiversity goals: Interview with Tyler Kartzinel," *Mongabay*, 6/2025.
"Giraffes' gut microbiome communities determined by species, not diet," *Forbes*, 3/2025.
"Scientists figure out how Yellowstone Animals find enough to eat," *Newsweek*, 9/2024.
"Eliza Atwood: researching wildlife nutrition and migration patterns in Yellowstone," *News from Brown* 7/2023.
"Elephants have a very human way of eating dinner," *Newsweek*, 7/2023.
"DNA 'metabarcoding' on 20-year-old elephant dung solves foraging puzzle," *Interesting Engineering*, 7/2023.
"Similar to humans, elephants also vary what they eat for dinner every night," *News from Brown—Featured Headline*, 7/2023.
"Emerging victorious," *Brown Alumni Magazine* feature profiles Bianca Brown's work in the lab, 6/2021.
"Diet and gut microbiome of African megafauna," *PNAS* media highlight, 11/2019.
"Study of African animals illuminates links between environment, diet, and gut microbiome," *News from Brown—Featured Headline*, 11/2019.
"Summary from the authors: Plant DNA-barcode library and community phylogeny for a semi-arid East African savanna," *Molecular Ecology Blog*, 8/2019.
"Predators drove a lizard population to extinction without eating them," *PBS Nova*, 6/2019.
"IBES students head for Fulbrights," *News from IBES*, 5/2019.

"2018 Living Planet Report" radio interview, WPRO Providence, 11/2018.
"Endangered Species Day 2016 – Plants are endangered too!" *Journal of Ecology* Blog, 5/2016.
"No food fights for large African herbivores," *New York Times*, 6/2015.
"Big African animals are pickier eaters than we imagined," *Smithsonian Magazine*, 6/2015.
"Grass gourmands: A herbivore food mystery on the African savanna," *National Public Radio*, 6/2015.
"How do African grasslands support so many plant-eaters?" *National Geographic Society*, 06/2015.
"Gorongosa Field Notes: Going Back in Time Four Decades," EO Wilson Biodiversity Foundation Film Production, 12/2013.

Professional Memberships & Affiliations (past 5 years)

American Society of Mammalogists, Association for Tropical Biology and Conservation, Botanical Society of America, British Ecological Society, Ecological Society of America, Kenya Wildlife Services, Mpala Research Centre, National Museums of Kenya, Sigma Xi (Associate Member), Society for the Study of Evolution.

HONORS & AWARDS

2022-2024	Dean's Research Program Bonus Award, Division of BioMedicine, Brown University.
2020-2024	Peggy & Henry D. Sharpe, Junior Assistant Professor of Environmental Studies, Brown University
2018-2022	Early Career Fellow, Ecological Society of America
2015-2017	NatureNet Science Fellowship, The Nature Conservancy
2015	International Barcode of Life Conference Travel Award
2007-2012	Presidential Fellowship, The University of Georgia
2012	Smithsonian Tropical Research Institute Fellowship (declined to pursue a postdoc)
2012	University of Georgia Graduate School Travel Award
2011	University of Georgia Graduate School Travel Award
2011	IDEA WILD
2010	The Explorers Club Exploration Fund
2009	Lewis and Clark Fund for Exploration and Field Research
2009	Eugene P. Odum Small Grant
2009	Sigma Xi Grant in Aid of Research
2009	Tinker Foundation Field Research Award
2009	National Science Foundation Graduate Research Fellowship Honorable Mention
2009	University of Georgia Costa Rica Ecology Program
2009	Bosque de Paz Biological Reserve, Costa Rica
2008	University of Georgia Graduate School Travel Award
2006	Morris K. Udall Scholarship
2006	Honors thesis award, Rollins College
2006	Sustainable Development International Scholar, Singapore & Vietnam
2005	Sustainable Development International Scholar, Costa Rica
2004	Archer D. Midland Scholarship, Galápagos National Park, Ecuador
2004	Service-learning Scholarship, Dominican Republic
2004	National Society of Collegiate Scholars

TEACHING

a. Courses:

AY 2026-2027

2027 Environmental Studies / Biology 0490 (spring): Environmental Science in a Changing World (sole instructor).
2026 Biology 2430 (fall): Graduate Seminar "Science and Spin: Rhetoric, Evidence, and Advocacy in Ecology & Conservation" (sole instructor).
2026 Biology 1950 (fall): Independent Study (supervising Ava Steger, class of '27).
2026 Environmental Studies 1970 (fall): Independent Study (supervising Julianne Ho, class of '27).

AY 2025-2026 (I was on sabbatical AY 2025-2026)

2026 Biology 1960 (spring): Independent Study (supervising Katya Scott, class of '26).
2026 Environmental Studies 1971 (spring): Independent Study (supervising Abigail Grove, class of '26).
2025 Biology 1950 (fall): Independent Study (supervising Katya Scott, class of '26).
2025 Environmental Studies 1970 (fall): Independent Study (supervising Abigail Grove, class of '26; Sofia Kassalow, class of '26).

AY 2024-2025

2025 Environmental Studies XList Biology 0490 (spring): Environmental Science in a Changing World (sole instructor; 106 enrolled).
2024 Biology 1515/2015 (fall): Conservation in the Genomics Age (COEX and WRIT designations; sole instructor; 34 enrolled).

AY 2023-2024

2024 Environmental Studies XList Biology 0490 (spring): Environmental Science in a Changing World (sole instructor; 158 enrolled).
2024 Biology 1960 (spring): Independent Study (supervising Madeleine Florida, class of '24; Eli Grossman, class of '24; Savianna Gonzales-Wagner, class of '24; Madeline Dalfiume, class of '24).
2024 Environmental Studies 1971 (spring): Independent Study (supervising Eliza Atwood, class of '24).
2023 Biology 1950 (fall): Independent Study (supervising Madeleine Florida, class of '24; Eli Grossman, class of '24).
2023 Environmental Studies 1970 (fall): Independent Study (supervising Eliza Atwood, class of '24).

AY 2022-2023

2023 Environmental Studies XList Biology 0490 (spring): Environmental Science in a Changing World (sole instructor; 124 enrolled).
2022 Biology 1960 (spring): Independent Study (supervising Caroline Dressler, class of '23; Andy Luo, class of '23).
2022 Biology 1515/2015 (fall): Conservation in the Genomics Age (COEX and WRIT designations; partnered with the Brown Writing Fellows Program; sole instructor; 34 enrolled).
2022 Biology 1950 (fall): Independent Study (supervising Caroline Dressler, class of '23; Andy Luo, class of '23; Raghav Muthukumar, class of '24).

AY 2021-2022 (I was on sabbatical Fall 2021)

2022 Environmental Studies 0490 (spring): Environmental Science in a Changing World (sole instructor; 141 enrolled, 2 vagabonding).
2022 Biology 1960 (spring): Independent Study (Caroline Dressler class of '22).
2022 Environmental Studies 1971 (spring): Independent Study (supervising Thomas Patti, class of '22).

2021 Environmental Studies 1970 (fall): Independent Study (supervising Thomas Patti, class of ’22; Skyler Chong, class of ’22; Logan Torres, class of ’24).
2021 Biology 1950 (fall): Independent Study (supervising Fabiola Meyer Garza, class of ’22; Andy Luo, class of ’23).

AY 2020-2021

2021 Environmental Studies 0490 (spring): Environmental Science in a Changing World (sole instructor; 119 enrolled, 2 auditing).
2021 Biology 2440 (spring): Topics in Ecology and Evolutionary Biology (multiple instructors; 9 enrolled).
2020 Biology 1515/2015 (fall): Conservation in the Genomics Age (sole instructor; 24 enrolled; online inquiry-based & engaged-learning lab co-developed with HHMI-Sheridan postdoc).
2020 Biology 1950 (fall): Independent Study (supervising Camille Tulloss, class of ’21).

AY 2019-2020

2020 Environmental Studies 0490 (spring): Environmental Science in a Changing World (sole instructor; 97 enrolled).
2020 Environmental Studies 1971 (spring): Independent Study (supervising Catherine Porter, class of ’20).
2020 Biology 1960 (spring): Independent Study (supervising Amanda Lyons, class of ’20; Violet Sackett, class of ’20).
2019 Biology 2430 (fall): Graduate Seminar: “Species Interactions” (sole instructor; 10 enrolled).
2019 Biology 1950 (fall): Independent Study (supervising Amanda Lyons, class of ’20; Violet Sackett, class of ’20; Camille Tulloss, class of ’21).
2019 Environmental Studies 1970 (fall): Independent Study (supervising Catherine Porter, class of ’20).

AY 2018-2019

2019 Biology 2440 (spring): Topics in Ecology and Evolutionary Biology (multiple instructors; 8 enrolled).
2019 Biology 1960 (spring): Independent Study (supervising Molly Magid, class of ’19).
2018 Biology 1515/2015 (fall): Conservation in the Genomics Age (sole instructor of course with inquiry-based & engaged-learning lab; 14 enrolled, 1 auditing).
2018 Biology 1950 (fall): Independent Study (supervising Molly Magid, class of ’19; Ashley Bang, class of ’19).

AY 2017-2018

2018 Biology 1950 (spring): Independent Study (supervising Molly Magid, class of ’19).

AY 2016-2017

2017 Field Ecology: Skills for Science and Beyond, Organization for Tropical Studies Graduate Program, Costa Rica (resource faculty).

b. Guest Lectures:

2024 Wildlife Habitat Ecology and Management (FiW 443, Virginia Tech).
2019 Conservation Biology (BIOL1470, Brown University).
2018 Living Biology at Brown and Beyond (BIOL0100, Brown University).
2016 Savanna Ecology (Makerere University, Uganda; Presented at Mpala Research Centre, Kenya).
2015 Ecology: Species interactions, biodiversity, and society (EEB321, Princeton University).
2012 Evolutionary Ecology (ECOL4500/6500, University of Georgia).
2011 Evolutionary Ecology (ECOL4500/6500, University of Georgia).

2011 Universidad Técnica Nacional, San Luis, Costa Rica (given in English and Spanish).

c. Mentoring & Supervision:

Postdoctoral Supervision

- Carson Hedberg (Brown EEOB, 2025-2027 NSF Polar Programs Postdoctoral Research Fellow).
- Mary Burak, PhD (Brown IBES, 2023-2024 Fulbright Postdoctoral Fellow; Voss Postdoctoral Fellow, 2024-2026; Current: Chief Scientist, International Crane Foundation).
- Ezequiel Vanderhoeven, DVM, PhD (Brown EEOB & IBES, 2021-2026; 2021-2024 Argentina National Scientific and Technical Research Council International Postdoctoral Fellow; 2024-2026 Brown Postdoctoral Research Associate).
- Elin Videvall, PhD (Brown EEOB, 2021-2024 Swedish Research Council International Postdoctoral Fellow; Current: Assistant Professor, Uppsala University).
- Bethan Littleford-Colquhoun, PhD (Brown EEOB, 2020-2025 Postdoctoral Research Associate; Current: Prize Fellow, University of Bath).
- Colin Donihue, PhD (Brown IBES, 2020-2022 Voss Postdoctoral Fellow; Current: Data Analyst, Brown University Division of Campus Life).
- Brian Gill, PhD (Brown IBES, 2017-2020 Postdoctoral Research Associate; Current: Biologist, US Environmental Protection Agency).

Graduate Student Supervision

- Cecilia Trani (Instituto Biología Subtropical, Argentina, PhD student, 2026-present; CONICET Graduate Research Fellow; co-advised by Dr. Juliana Notarnicola).
- Molly Test (Brown EEOB, PhD student, 2024-present).
- Newsha Gheshm (Brown Biotechnology / EEOB, MSc student, 2024-2026; Current: PhD student, UMass Boston).
- Montana Stone (Brown EEOB, PhD candidate, 2023-present).
- Joselyne Chavez (Brown EEOB, ScM, 2023-2026).
- Hannah Hoff (Brown EEOB, PhD candidate, 2022-present; Blavatnik Family Fellow; Frederic Poole Gorham Biological Fellow).
- Courtney Reed (Brown EEOB, PhD, 2018-2023; Current: Postdoctoral Research Associate, UC Santa Barbara).
- Robert Ang'ila (Karatina University of Kenya, Environmental Studies, MSc, 2018-2021; co-advised by Dr. Duncan Kimuyu; Current: PhD Student, Karatina University).
- Amanda Lyons (Brown EEOB, MSc, 2020-2021; Current: Research and Conservation Coordinator, The Wetlands Institute).
- Bianca Brown (Brown EEOB, PhD, 2017-2021; NSF GRFP; Current: NSF Postdoctoral Research Fellowship in Biology, Yale University).
- Patrick Freeman (Brown EEB, ScM, 2017-2020; Current: Staff Scientist, Conservation Science Partners, Inc).

Lab Manager Supervision

- Anna Jackson (Brown IBES, 2024-present).

Graduate Student Committee Membership

- Anejelique Martinez (University of New Mexico, PhD, 2025-present).
- Leo Khasoha (University of Wyoming, Zoology and Physiology, PhD, 2021-present).
- Carson Hedberg (University of New Mexico, PhD, 2022-2024).
- Amy Rutter (Brown EEOB, PhD, 2021-2026).
- Nicole Moody (Brown EEOB, PhD, 2021-2024).

- Alberto Bortoni (Brown EEOB, PhD, 2020-2023).
- Karen Wang (Brown DEEPS, PhD, 2018-2022).
- Sian Liao (Brown Chemistry, PhD, 2018-2022).
- Lindsay McCulloch (Brown EEB, PhD, 2018-2021).

External Graduate Thesis Examiner

- Curswan Andrews' candidate (University of Fort Hare, South Africa, MSc, 2026-2027).
- Samantha Shippley (Australian National University, Australia, PhD, 2026).
- Runé van der Merwe (University of the Free State, South Africa, MSc, 2021-2022).

Brown University First-Year PhD Advisory Committees

- Sofia Piggott (Brown EEOB 2022).
- Brina Lopez Gfeller (Brown EEOB 2022).

Brown University Undergraduate Research Supervision

- Katya Scott '26 (Brown EEOB 2025-2026).
- Isabel Tribe '27 (Brown Geology-Biology 2025-present; 2025 SPRINT|UTRA).
- Sofia Kassalow '26 (Brown ENVS 2025-2026; 2025 Voss Undergraduate Research Fellow).
- Ava Steger '27 (Brown ENVS 2025-present; 2025 SPRINT|UTRA).
- Abigail Grove '26 (Brown ENVS, 2024-2026; 2024 SPRINT|UTRA; 2025 Voss Undergraduate Research Fellow; Honors).
- Raima Islam '25 (Brown International & Public Affairs, Computer Science; 2024 Data Science Fellow).
- Julianne Ho '27 (Brown-RISD ENVS 2024-present; 2024 SPRINT|UTRA; 2026 Voss Undergraduate Research Fellow).
- Olivia Rodriguez '27 (Brown ENVS 2024; 2024 SPRINT|UTRA).
- Madeline Dalfiume '24 (Brown EEOB, 2023-2024).
- Eliza Atwood '24 (Brown ENVS, 2023-2024; 2023 SPRINT|UTRA; Honors).
- Eli Grossman '24 (Brown EEOB & Physical Sciences, 2022-2024; 2023 SPRINT|UTRA; Honors; 2026 NSF GRFP).
- Savianna Gonzales-Wagner '24 (Brown EEOB, 2022-2024; 2023 SPRINT|UTRA & Gap Award).
- Madeleine Florida '24 (Brown EEOB, 2022-2024; 2022 SPRINT|UTRA; 2023 Caleel Fellow; Honors).
- Logan Torres '24 (Brown Presidential Scholars Program, IBES, 2021-2024).
- Penelope Celeste Holland '23 (Brown EEOB, 2022-2023; 2023 SPRINT|UTRA).
- Andy Luo '23 (Brown EEOB, 2021-2023; Honors, 2023 Fulbright Scholar).
- Caroline Dressler '23 (Brown EEOB & Music, 2021-2023; Honors, 2022 Voss Undergraduate Research Fellow, 2023 James Kidwell Prize in Genetics and Population Biology).
- Thomas Patti '22 (Brown IBES, 2021-2022; Honors).
- Skyler Chong '22 (Brown IBES, 2021).
- Fabiola Meyer Garza '22 (Brown EEOB & Anthropology, 2021; 2021 Voss Undergraduate Research Fellow).
- Camille Tulloss '21 (Brown EEB, 2019-2021; Honors; Senior Prize in Biological Sciences).
- Violet Sackett '20 (Brown EEB, 2019-2020).
- Catherine Porter '20 (Brown IBES, 2019-2020).
- Amanda Lyons '20 (Brown EEB, 2018-2020; Honors, 2019 Voss Undergraduate Research Fellow).
- Ashley Bang '19 (Brown DEEPS, 2018-2019; Honors, 2018 Hollings Scholar, 2019 Fulbright Scholar).

- Molly Magid ’19 (Brown EEB, 2017-2019; Honors, 2018 Voss Undergraduate Research Fellow, 2019 Fulbright Scholar).

Brown University Undergraduate Honors Thesis Second Reader

- Max Newman ’25 (Brown EEOB, 2024-2025).
- Diandra Polt ’25 (Brown ENVS, 2024-2025).
- Beatrice Markham ’24 (Brown EEOB, 2023-2024).
- Emily Clements ’24 (Brown ENVS, 2023-2024).
- Rashi Visaria ’23 (Brown MCB, 2022-2023).
- Marisa Agarwal ’21 (Brown EEB, 2020-2021).
- Bria Metzger ’20 (Brown EEB, 2019-2020).
- Fiona Beltram ’18 (Brown EEB, 2017-2018).

Brown University Leadership Alliance Summer Research-Early Identification Program

- Camela Moore, Southern Illinois University-Carbondale (Brown IBES, 2021).

Post-baccalaureate Research Supervision

- Chrishen Gomez (Brown EEB Visiting Research Associate, 2020; 2019 Merdeka Award Grant Recipient, Bornean Carnivore Program, Malaysia).

Research Assistant Supervision

- Natalie Nantais (Brown IBES, 2022-2023).
- Ian Maywar (Brown IBES, 2021-2022).
- Peter Lokeny (Mpala Research Centre, 2017-2025).

Brown University Research Visitors

- Anejelique Martinez (PhD student, University of New Mexico, 2024).
- Mara Espinosa (Postdoctoral visitor, Adolfo Ibáñez University, Chile, 2024).
- Mary Cate Hyde (Postbac visitor, Princeton University, 2024).
- Leo Khasoha (PhD student, University of Wyoming, 2022).
- Kyle Paddock (PhD student, University of Missouri, 2021-2023).
- Edmund Basham (PhD student, University of Florida, 2018).

Mentorship & Supervision as a Postdoctoral Fellow (Princeton University)

Ph.D. students (3), undergraduate thesis students and interns (4), laboratory managers (3).

- Mentee accomplishments include coauthoring publications, winning scholarships of $1000-$7390, and presenting research talks and theses.

Mentorship & Supervision as a Graduate Student (University of Georgia)

Ph.D. students (3), M.S. students (1), undergraduate students (5), research technicians (1), and undergraduate research assistants (10).

- Mentee accomplishments include coauthoring publications, giving talks at international meetings, and winning symposia research awards.

d. Select Fellowships, Grants, and Honors Awarded to Lab Members:

2026 Riley Brooks ’28 BrownConnect SPRINT|UTRA.
Lena Harms ’28 BrownConnect SPRINT|UTRA.
Julianne Ho ’27, Voss Undergraduate Research Fellowship.
Hannah Hoff, Frederic Poole Gorham Biological Fellowship.
Montana Stone, Guy N. Cameron Award, American Society of Mammalogists.

2025 Abigail Grove ’26, Voss Undergraduate Research Fellowship.
Hannah Hoff, Blavatnik Family Fellowship.
Sofia Kassalow ’26, Voss Undergraduate Research Fellowship.
Ava Steger ’27, BrownConnect SPRINT|UTRA.
Isabel Tribe ’27, BrownConnect SPRINT|UTRA.

2024 Eliza Atwood ’24, IBES Environmental Studies Senior Prize for Best Senior Thesis.
Madeleine Florida ’24, Senior Prize for Academic Excellence in Biological Sciences.
Abigail Grove ’26, BrownConnect SPRINT|UTRA.
Carson Hedberg, NSF Polar Programs Postdoctoral Research Fellow; ASM Fellowship in Mammalogy, American Society of Mammalogists.
Julianne Ho ’27, BrownConnect SPRINT|UTRA.
Hannah Hoff, James Reveal Eriogonum Project Grant, Eriogonum Society.
Bethan Littleford-Colquhoun, Prize Fellow at the University of Bath.
Olivia Rodriguez ’27, BrownConnect SPRINT|UTRA.

2023 Eliza Atwood ’24, BrownConnect SPRINT|UTRA; Garden Club of America Clara Carter Higgins Summer Environmental Studies Scholarship.
Mary Burak, Voss Postdoctoral Fellowship, Fulbright Postdoctoral Fellowship (Kenya).
Caroline Dressler ’23, James Kidwell Prize in Genetics and Population Biology.
Penelope Celeste Holland ’23, BrownConnect SPRINT|UTRA.
Madeleine Florida ’24, Maria L. Caleel ’87 Memorial Undergraduate Biology Research Fellowship, Voss Undergraduate Research Fellowship (declined).
Savianna Gonzales-Wagner ’24, BrownConnect SPRINT|UTRA; Gap Award.
Eli Grossman ’24, BrownConnect SPRINT|UTRA.
Bethan Littleford-Colquhoun, Postdoctoral Excellence Award for Research & Teaching.
Andy Luo ’23, Fulbright Scholarship.
Elin Videvall, Swedish Research Council Starting Grant to start as PI.

2022 Skyler Chong ’24, Best Research Poster Design, IBES; Best One-Semester Research Project, IBES.
Caroline Dressler ’22, Voss Undergraduate Research Fellowship.
Madeleine Florida ’24, BrownConnect SPRINT|UTRA.
Courtney Reed, Society for Integrative and Comparative Biology Fellowship of Graduate Student Travel; American Society of Naturalists Student Research Award.
Ezequiel Vanderhoeven, Early-Career Fellowship Award, Organization for Tropical Studies.

2021 Bianca Brown, NSF Postdoctoral Research Fellowship in Biology to Yale.
Fabiola Meyer Garza ’22, Voss Undergraduate Research Fellowship.
Courtney Reed, James L. Patton Award from the American Society of Mammalogists; COVID-19 Supplementary Funding in support of the 2020 American Philosophical Society’s Lewis and Clark Fund for Exploration & Field Research Award.
Camille Tulloss ’21, Senior Prize for Academic Excellence in Biological Sciences.
Ezequiel Vanderhoeven, National Scientific and Technical Research Council (CONICET) Postdoctoral Fellowship; Rufford Foundation Conservation Small Grant
Elin Videvall, The Foundation for Zoological Research, Uppsala, Sweden.

2020 Bianca Brown, Ford Foundation Dissertation Completion Fellowship Honorable Mention.
Colin Donihue, Voss Postdoctoral Fellowship.
Amanda Lyons, Diamondback Terrapin Working Group Grant; Sophie Danforth Conservation Biology Fund at the Roger Williams Park Zoo/Rhode Island Zoological Society.
Courtney Reed, American Philosophical Society’s Lewis and Clark Fund for Exploration & Field Research; Animal Behavior Society Student Research Grant.

Elin Videvall, Swedish Research Council International Postdoctoral Fellowship.

2019 Ashley Bang ’19, Fulbright Scholarship.
Chrishen Gomez, Merdeka Award Grant.
Amanda Lyons ’20, Voss Undergraduate Research Fellowship; Royce Fellowship (declined).
Molly Magid ’19, Fulbright Scholarship.
Ezequiel Vanderhoeven, National Scientific and Technical Research Council (CONICET) Postdoctoral Fellowship (withdrawn due to quarantine associated with COVID-19).

2018 Ashley Bang ’19, Hollings Scholarship.
Molly Magid ’19, Voss Undergraduate Research Fellowship.

2017 Bianca Brown, NSF Graduate Research Fellowship.