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EDUCATION

- 2001 Ph.D. in Population Biology, University of California, Davis
1995 M.S. in Biology, University of California, San Diego
1994 B.S. in Ecology, Behavior, & Evolution with a minor in Literature, University of California, San Diego

PROFESSIONAL APPOINTMENTS

- 2013-Present **Professor & Distinguished Teaching Scholar**, University of Florida
Department of Wildlife Ecology & Conservation & Center for Latin American Studies
- 2022-2025 **Secretary**, Ecological Society of America
- 2020-2021 **President**, Association for Tropical Biology & Conservation
- 2012-2021 **Director**, Florida-Brazil Linkage Institute, University of Florida
- 2013-2019 **Editor-in-Chief**, *Biotropica*
- 2014-2020 **Board of Directors**, Dryad Digital Data Repository
- 2001-2002 **NSF Minority Postdoctoral Fellow**, Biological Dynamics of Forest Fragments Project
Instituto Nacional de Pesquisas da Amazônia-Smithsonian Institution

SELECT AWARDS & FELLOWSHIPS

- 2022 Fellow, American Association for the Advancement of Science
2014 Academy of Distinguished Teaching Scholars, University of Florida
2012 Outstanding Paper Award, US Chapter of the International Association for Landscape Ecology
2011 Graduate Advisor & Teacher of the Year, UF College of Agricultural & Life Sciences
2009 University of Florida Research Foundation Professor
2009 Fulbright Scholar, Brazil
2007 Julie S. Denslow Outstanding Article in *Biotropica* Prize, Association for Tropical Biology & Conservation
2005 UF International Educator of the Year (untenured faculty category)

RELEVANT GRANTS IN SUPPORT OF RESEARCH & TRAINING (of >\$5.5 million)

1. National Science Foundation. “OPUS: Is habitat fragmentation detrimental or beneficial? Promoting our understanding of a contentious ecological question via synthesis.” (\$245,385, PI: E. M. Bruna)
2. Maxwell-Hanrahan Foundation. “Support for the UF TCD Seed Grant Program” (\$10,000; PIs B. Loiselle, E. M. Bruna: \$10,000 for 2022-2023, renewed 2023-2026 for \$45,000)
3. National Science Foundation. “SG: Synergistic effects of forest fragmentation and droughts on tropical plant population dynamics” (\$199,904; PI: E. M. Bruna, Co-PIs: M. Uriarte, 2020-2022).
4. National Science Foundation. “REU Supplement for SG: Synergistic effects of forest fragmentation and droughts on tropical plant population dynamics” (\$14,400; PI: E. M. Bruna, Co-PIs: M. Uriarte, 2021).
5. National Science Foundation. “The role of the matrix in fragmented landscapes: experimental tests and novel theory” (\$548,058; PI: R. Fletcher, Co-PIs: E. M. Bruna, R. D. Holt, and B. Reichert, 2018-2023)

TEN PUBLICATIONS or PRODUCTS RELEVANT TO THE PROPOSAL (of N = 123)

Note regarding coauthorship on publications by lab members: I am not necessarily a coauthor on all papers by lab members, including publications thesis chapters, as I consider mentorship regarding study development and design, analyses, and manuscript preparation fundamental to my role as their advisor.

1. D. S. Mason, K. M. Robertson, P. G. Hahn, E. M. Bruna, J. L. Willis, and M. A. Lashley. 2026. Fire promotes passive directed seed dispersal by birds. *Current Biology* 36(1):28–37. <https://doi.org/10.1016/j.cub.2025.11.014>
2. Bruna, E. M., M. Uriarte, M. Rosa Darrigo, P. Rubim, C. F. Jurinitz, E. R. Scott, O. Ferreira da Silva, & W. John Kress. 2023. Demography of the understory herb *Heliconia acuminata* (Heliconiaceae) in an experimentally fragmented tropical landscape. *Ecology* 104(12): <https://doi.org/10.1002/ecy.4174>
3. Fletcher, R. J., T. A. H. Smith, N. Kortessis, E. M. Bruna, and R. D. Holt. 2023. Landscape experiments unlock the multi-scale relationships among habitat loss, fragmentation, and patch-size effects. *Ecology* 104(5): e4037. <https://doi.org/10.1002/ecy.4037>
4. Scott, E. R., M. Uriarte, and E. M. Bruna. 2022. Delayed effects of climate on vital rates lead to demographic divergence in Amazonian forest fragments. *Global Change Biology* 28(2):463-479. <https://onlinelibrary.wiley.com/doi/full/10.1111/gcb.15900> **Recipient of the Postdoctoral Excellence Award from the Ecological Society of America's Plant Population Ecology Section**
5. Beckman, NG, CE Aslan, HS Rogers, O Kogan, JL Bronstein, JM Bullock, F Hartig, J HilleRisLambers, Y Zhou, D Zurell, JF Brodie, EM Bruna, RS Cantrell, RR Decker, E Efiom, EC Fricke, K Gurski, A Hastings, JS Johnson, BA Loiselle, MN Miriti, MG Neubert, L Pejchar, JR Poulsen, G Pufal, OH Razafindratsima, ME Sandor, K Shea, S Schreiber, EW Schupp, RS Snell, C Strickland, and J Zambrano. 2020. Advancing an interdisciplinary framework to study seed dispersal ecology. *AoB Plants* 12:plz048.
6. Costa, AN, HL Vasconcelos, and EM Bruna. 2017. Biotic drivers of seedling establishment in Neotropical savannas: Selective granivory and seedling herbivory by leaf-cutter ants as an ecological filter. *Journal of Ecology* 105:132-141. [Ph. D. Thesis Chapter].
7. Lucas, CM, EM Bruna, and CMN Nascimento. 2013. Seedling co-tolerance of multiple stressors in a disturbed tropical floodplain forest. *Ecosphere* 4(1):3. [Ph. D. Thesis Chapter].
8. Ferreira, AV, EM Bruna, and HL Vasconcelos. 2011. Seed predators limit plant recruitment in Neotropical savannas. *Oikos* 120:1013-1022.
9. Uriarte, M. Anciães, M. T.B. da Silva, P. Rubim, E. Johnson, and E. M. Bruna. 2011. Disentangling the drivers of reduced long-distance seed dispersal by birds in an experimentally fragmented landscape. *Ecology* 92(4): 924-93. **2012 Outstanding Paper in Landscape Ecology, Int. Assoc. for Landscape Ecology - US Chapter.**
10. Iacona, GD, LK Kirkman, and EM Bruna. 2010. Effects of resource availability on seedling recruitment in a fire-maintained savanna. *Oecologia* 163:171-180. [Ph. D. Thesis Chapter].

RELEVANT COURSE DEVELOPMENT & TEACHING EXPERIENCE

The Future of Rain Forests (Undergraduate, 2021-2023,2025)

Data Collection & Management for Latin American Studies (Graduate, 2019-2024, 2026)

Plant-Animal Interactions (Graduate, biannually 2004-2010)

Fundraising for Tropical Conservation & Development (Graduate, 2013 and biannually 2016-2020)

Scientific Publishing (Graduate, 2014-2015, 2017-2018)

EDITORIAL POSITIONS & SERVICE

Editor-in-Chief: *Biotropica* (2013-2019; >2400 decisions)

Associate Editor: *Biotropica* (2010-2013)

Subject Editor: *PLOS Ecosystems* (2025-Present), *Biotropica* (2007-2019), *Ecology* (2008-2012), *Ecological Monographs* (2008-2012), *Ecological Applications* (2008-2012).