# **EMILIO MIGUEL BRUNA**

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**RESEARCH & TEACHING INTERESTS:** Tropical ecology and conservation, plant population ecology, plant-animal interactions, scientometrics and bibliometrics, science & science policy in Latin America

LANGUAGES: Fluent in Spanish, English, and Portuguese

# **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	<b>Professor &amp; Distinguished Teaching Scholar</b> , 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 and Conservation
2012-2021	<b>Director</b> , Florida-Brazil Linkage Institute, University of Florida Center for Latin American Studies, University of Florida
2013-2019	Editor-in-Chief, Biotropica
2014-2020	Board of Directors, Dryad Digital Data Repository
2005-Present	<b>Adjunct Professor</b> , Universidade Federal de Uberlândia, Brazil Graduate Program in Ecology and Natural Resource Conservation
2007-2013	<b>Associate Professor</b> , University of Florida Department of Wildlife Ecology & Conservation & Center for Latin American Studies
2002-2007	<b>Assistant Professor</b> , University of Florida Department of Wildlife Ecology & Conservation & Center for Latin American Studies
2001-2002	<b>NSF Minority Postdoctoral Fellow</b> , Biological Dynamics of Forest Fragments Project Instituto Nacional de Pesquisas da Amazônia-Smithsonian Institution

## **AWARDS**

2020	Selected for Induction into Alpha Zeta (Faculty Affiliate, UF Chapter)
2020	Roche Teaching Scholar, UF College of Agricultural and Life Sciences
2016	Sigma Xi (Full Member, University of Florida Chapter)
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 and Life Sciences
2009	University of Florida Research Foundation Professor
2007	Julie S. Denslow Outstanding Article in <i>Biotropica</i> Prize, Association for Tropical Biology & Conservation
2005	UF International Educator of the Year (untenured faculty category)
2003	Diversity Scholar, American Institute for Biological Sciences
2002	John L. Harper Early Career Researcher Award, British Ecological Society
1994	Ernest C. Mort Leadership Excellence Award, Revelle College, UC San Diego

### **FELLOWSHIPS**

- 2012 Ciência Sem Fronteiras Special Visiting Researcher Fellowship, CNPq Brazil
- 2009 Fulbright Scholar, Brazil
- 2009 Visiting Researcher Fellowship, CNPq Brazil
- 2001 NSF Minority Postdoctoral Research Fellowship
- 2001 NSF International Research Fellowship (declined)
- 2000 Ford Foundation Dissertation Year Fellowship
- 1999 UC Davis Graduate Studies Fellowship
- 1998 UC Davis John F. Steindler Graduate Fellowship
- 1995 NSF Minority Predoctoral Research Fellowship
- 1993 Howard Hughes Senior Honors Thesis Fellowship
- 1993 UCSD Howard Hughes Summer Research Fellowship

### GRANTS IN SUPPORT OF RESEARCH, TRAINING, & PROGRAM DEVELOPMENT (>\$5.5 million)

- 1. Maxwell-Hanrahan Foundaiton. "Support for the ATBC Field Grant Program" (\$10,000; PIs Emilio M. Bruna, Patricia Sampaio, Lucia Lohmann, 2022-2023)
- 2. Maxwell-Hanrahan Foundaiton. "Support for the UF TCD Seed Grant Program" (\$10,000; PIs Emilio M. Bruna, Bette Losiselle, 2022-2023)
- 3. Sloan Foundation. "Reinventing Field Courses" (\$74,060; PI: E. M. Bruna, Co-PIs: R. McCleery, P. Antonenko, N. Attias, D. Barton, 2020-2021)
- 4. 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).
- 5. 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).
- 6. 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)
- 7. UF Informatics Institute SEED Funds: "Cross-National Patterns of Productivity & Collaboration by Latin American Scientists" (\$20,000, PI: E. M. Bruna, Co-PIs: Stephen Perz, Chris McCarty).
- 8. Mindlin Foundation. "Who are the Gatekeepers of Discovery? A crowdsourced project to ID & map the editors of academic journals" (\$3633, 2017-2018).
- 9. National Geographic Global Exploration Fund. "Experimental climate change in the Amazon: How will rising CO2 influence plants, insects, and their interactions?" (\$19,970, PI: E. M. Bruna, Co-PIs H. Vasconcelos, F. Mundim, D. Lapola).
- 10. John Wiley and Sons. "Funds to support the Biotropica Editorial Office" (\$199,945; 2014-2019).
- 11. UF Center for Latin American Studies Faculty Travel Award (\$1500, 2014)
- 12. UF Center for Latin American Studies Speakers Program. "Herton Escobar: Science Correspondent, Estado de São Paulo Newspaper (\$2000, including matching funds provided by the College of Journalism and Communications, the Tropical Conservation and Development Program, and Office of the VP for Research, 2014).
- 13. UF IFAS Dean For Research, UF VP for Research, and FAPESP-Brazil. "Support for 4 UF-FAPESP Collaborative Research Grants" (\$160,000, 2013-2015).
- 14. UF Center for Latin American Studies Faculty Research Award: "Cross-national patterns of productivity and collaboration by Latin American ecologists" (\$5450, 2012-2013).
- 15. National Science Foundation: "Doctoral Dissertation Enhancement Proposal: International: Carbon sequestration and tree biodiversity in Amazonian floodplain forests". (\$11,000; OISE-0929183 to E. Bruna prepared by and for doctoral student Christine Lucas, 2010-2012).

- 16. David and Lucile Packard Foundation. "Nitrogen dynamics in Brazil's Cerrado" (\$142,198, Grant 2008-32691 to E. Bruna and co-PIs M. Mack and H. Vasconcelos, 2009-2011).
- 17. National Science Foundation. "IGERT in Spatial Ecology & Evolution: Quantitative Training in Biology, Statistics, & Mathematics". (\$2,958,113; PI: B. Bolker; Co-PI's: E. Bruna, C. Osenberg, M. Martcheva, & M. Christman, 2008-2013).
- 18. UF International Center. "International Speakers Program: Dr. Claudio Padua, 2008 UF Distinguished Alumnus" (\$1500, with \$3500 in matching funds from Wildlife Ecology and Conservation, Latin American Studies, the Tropical Conservation and Development Program, and Institute for Agricultural and Life Sciences).
- 19. US Department of Education Fund for the Improvement of Postsecondary Education (FIPSE). "Energy, environment, and sustainable development: the central role of the United States and Brazil" (\$202,329; PI: J. Kahn, Washington & Lee University; E. Bruna is UF Project Director; 2006-2010)
- 20. National Science Foundation Collaborative Grant. "Mechanisms influencing seedling recruitment and establishment in a fragmented Amazonian landscape" DEB-0614149 to E. Bruna (\$230,888) and DEB-0614339 to M. Uriarte, Columbia Univ. (\$251,831; 2006-10).
- 21. National Science Foundation Minority Career Advancement Award. "Linking population and ecosystem ecology: how does nitrogen deposition influence plant demography in tropical savannas?" DEB-0542287 (\$174,499; 2006-08).
- 22. Joseph Jones Ecological Research Center. "Productivity and Biodiversity Patterns: Control in a SE Coastal Plain Landscape (Support for the graduate studies of Gwen Iacona)". (\$19,860; 2005-2007).
- 23. National Science Foundation Collaborative Grant. "Elucidating mechanisms of coexistence in a community of ant-plant mutualists". DEB-0453631 to E. Bruna (\$245,096) & DEB-0452720 to B. Inouye, FSU (\$260,000; 2005-09).
- 24. National Science Foundation Grant OISE-0437369. "U.S.-Brazil Collaborative Research: Seed predation and herbivory in Neotropical savannas: are there demographic consequences for plants?" (\$25,012; 2005-2008).
- 25. Conselho Nacional de Desenvolvimento Científico e Tecnológico, Brazil. "Top-down effects on the structure of Cerrado plant communities" (R\$ 22,875.74, Co-PI, 2005-2007)
- 26. Fundação de Amparo a Pesquisa do Estado de Minas Gerais, Brazil. "Diversity and conservation of invertebrates in the 'Triângulo Mineiro': a case study using ants as bioindicators" (R\$12,924.13; Senior Collaborator, 2005-2007)
- 27. Fundação de Amparo a Pesquisa do Estado de Minas Gerais, Brazil (Fapemig). "Effect of herbivory by leaf-cutter ants on Cerrado vegetation" (R\$25,229.74, Co-PI, 2004-2006)
- 28. School for Natural Resources and the Environment New Faculty Support Program. "Seed predation and herbivory in Neotropical savannas: are there demographic consequences for plants?" (\$5,000; 2004)
- 29. Alfred P. Sloan Foundation. "Increasing the number of minority Ph.D.'s studying Ecology at UF." (\$32,440 and four-year Teaching Assistantships from the College of Agricultural and Life Sciences; 2004).
- 30. National Science Foundation Research Starter Grant DEB-0309819. "The effect of forest fragmentation on ant-plant mutualisms." \$50,585; 2003-2005).
- 31. USAID Subcontract from IIEB. "Sustainable Communities and Landscapes: A proposed program to sustain natural ecosystems and enhance local livelihoods in Brazil's Amazon and Atlantic Forest regions" (\$199,145; 10/01/03-9/30/07; PI: Marianne Schmink; EB and 5 other Co-PIs).
- 32. Instituto Internacional de Educação do Brasil-SUNY International Development Group. "Training of young scientists in Amazonia: A new internship program at the Biological Dynamics of Forest Fragments Project." (R\$21,000; co-PI Patricia Delamônica, 2001).
- 33. National Science Foundation Minority Postdoctoral Research Fellowship DBI-0109226. "The effect of forest fragmentation on ant-plant mutualisms" (\$190,200; 2001).

- 34. NSF Dissertation Improvement Grant INT 98-06351. "Effect of habitat fragmentation on the growth, reproduction, and population dynamics of an Amazonian understory herb" (\$17,600; 1998-2000).
- 35. Grants for Graduate Research: Smithsonian Institution, Manomet Observatory Kathleen S. Anderson Award, Wilson Ornithological Society Paul A. Stewart Award, and UC Davis (M.E. Mathias Award, Graduate Studies Research Grant, Jastro-Shields Research Award, and Center for Population Biology Summer Research Grant (Total: \$11860; 1996-1997).
- 36. Grants for Undergraduate Research: Explorer's Club Grant, UCSD Undergraduate Scholastic Research Grant (Total: \$1955; 1994-1995).

## MANUSCRIPTS & OTHER PRODUCTS IN REVIEW or REVISION (N=4)

- 1. Fletcher, R. J., T. A. H. Smith, N. Kortessis, E. M. Bruna, and R. D. Holt. *In review* Landscape experiments unlock the multi-scale relationships among habitat loss, fragmentation, and patch-size effects. *Ecology*
- 2. Hyde, J. L., Bohlman, S. A., Athayde, S., Bruna, E. M., Valle, D.R. *In review* A lack of open data standards for large infrastructure project hampers social-ecological research in the Brazilian Amazon. *Perspectives in Ecology & Conservation*.
- 3. Resende Rodrigues, D., Y. R. Bovolenta, E. M. Bruna, J. A. Pimenta, E. Bianchini. *In review.* Coexistence of understory tree species via architecture differentiation in the Atlantic Forest of southern Brazil. *Plant Ecology*
- 4. Ferreira, A. M., A. P. Faria, H. L. Vasconcelos, E. M. Bruna, Vladimir Eliodoro Costa, A. S. Franco Pinheiro Moreira. *In review.* Does chronic nitrogen deposition have effects on grass physiology of natural areas? *Theoretical and Experimental Plant Physiology*.

## PEER-REVIEWED PUBLICATIONS, BOOK CHAPTERS, & CORRESPONDENCE (N = 110)

**Note regarding coauthorship on publications by lab members:** I am not a coauthor on papers by lab members, including publications that result from side projects or thesis chapters, as I consider mentorship regarding study development and design, analyses, and manuscript preparation fundamental to my role as their advisor. A list of the publications by lab members on which I am not a coauthor can be found below.

- 1. Halpern, Benjamin S. et al. In press. Priorities for synthesis in ecology and environmental science. Ecosphere
- 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\_
- 3. Audrey C. Smith, Leandra Merz, Jesse B. Borden, Chris K. Gulick, Akhil R. Kshirsagar, Emilio M. Bruna. 2022. Assessing the effect of article processing charges on the geographic diversity of authors using Elsevier's "Mirror Journal" system. *Quantitative Science Studies* 2(4):1123–1143. doi: https://doi.org/10.1162/qss\_a\_00157 *Featured in Nature, NRC News*.
- Russell, A.E., T.M. Aide, E. Braker, E. M. Bruna, C. N. Ganong, R. D. Hardin, K. D. Holl, S. C. Hotchkiss, J. Klemens, E. K. Kuprewicz, S. K. Macey, D. McClearn, G. Middendorf, R. Ostertag, J. S. Powers, S. E. Russo, J. L. Stynoski, U. Valdez, C. G. Wills. 2022. Integrating tropical research into biology education is urgently needed. *PLoS Biology* 20(6): e3001674. doi: https://doi.org/10.1371/journal.pbio.3001674
- 5. Mundim, F. M. E. H. M. Vieira-Neto, H. Alborn, & E. M. Bruna. 2021. Disentangling the influence of resource variability and simultaneous attacks on whole-plant tolerance to herbivory. *Journal of Ecology* 109:2729–2739. [PhD Thesis Chapter]. https://doi.org/10.1111/1365-2745.13684 *Selected as a 2021 UF-IFAS "High Impact Publication"*.
- 6. Bruna, E.M., R Chazdon, TM Errington and BA Nosek. 2021. A proposal to advance theory and promote collaboration in tropical biology by supporting replications. *Biotropica*, 53:6-10.

- Barbosa Silva, LV, HL Vasconcelos, MC Mack, AdS Ferreira, and EM Bruna. 2020. Effects of experimental nitrogen enrichment on soil properties and litter decomposition in a Neotropical savanna. *Austral Ecology* 45:1093-1102. [Ph. D. Thesis Chapter].
- 8. Fournier, Auriel. Matthew E. Boone, Forrest R. Stevens, and Emilio M. Bruna. 2020. refsplitr: Author name disambiguation, author georeferencing, and mapping of coauthorship networks with Web of Science data. *Journal of Open Source Software* 5(45):2028. https://doi.org/10.21105/joss.02028
- 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.
- 10. Costa, AN, A Bartimachi, HL Vasconcelos, EM Bruna, and EHM Vieira-Neto. 2020. Annual litter production in a Brazilian Cerrado woodland savanna. *Southern Forests* 82:65-69.
- 11. Powers, JS, EM Bruna, A Campos-Arceiz, P Delamonica Sampaio, SJ DeWalt, LG Lohmann, and RA Zahawi. 2020. Tropical biology and conservation in the time of the covid-19 pandemic. *Biotropica* 52:399-399.
- 12. Aslan, C, NG Beckman, HS Rogers, J Bronstein, D Zurell, F Hartig, K Shea, L Pejchar, M Neubert, J Poulsen, J HilleRisLambers, M Miriti, B Loiselle, E Effiom, J Zambrano, G Schupp, G Pufal, J Johnson, JM Bullock, J Brodie, E Bruna, RS Cantrell, R Decker, E Fricke, K Gurski, A Hastings, O Kogan, O Razafindratsima, M Sandor, S Schreiber, R Snell, C Strickland, and Y Zhou. 2019. Employing plant functional groups to advance seed dispersal ecology and conservation. *AoB Plants* 11:plz006.
- 13. Brooks, ME, K Kristensen, MR Darrigo, P Rubim, M Uriarte, E Bruna, and BM Bolker. 2019. Statistical modeling of patterns in annual reproductive rates. *Ecology* 100 (7):e02706 [Ph.D. Thesis Chapter].
- 14. Costa, AN, HL Vasconcelos, EHM Vieira-Neto, and EM Bruna. 2019. Adaptive foraging of leaf-cutter ants to spatiotemporal changes in resource availability in Neotropical savannas. *Ecological Entomology* 44:227-238.
- 15. Fletcher, RJ, Jr., JA Sefair, C Wang, CL Poli, TAH Smith, EM Bruna, RD Holt, M Barfield, AJ Marx, and MA Acevedo. 2019. Towards a unified framework for connectivity that disentangles movement and mortality in space and time. *Ecology Letters* 22:1680-1689.
- 16. Bruna, EM. 2018. Editorial board members are a non-random sample of ecological experts. *Nature Ecology and Evolution* 2(2):202.
- 17. Costa, AN, EM Bruna, and HL Vasconcelos. 2018. Do an ecosystem engineer and environmental gradient act independently or in concert to shape juvenile plant communities? Tests with the leaf-cutter ant *Atta laevigata* in a Neotropical savanna. *PeerJ* 6:e5612. [Ph. D. Thesis Chapter].
- 18. K. R. Zamudio, A. Kellner, C. Serejo, M. R. de Britto, C. B. Castro, P. A. Buckup, D. O. Pires, M. Couri, A. Brilhante Kury, I. Azevedo Cardoso, M. L. Monné, J. Pombal Jr., C. Mello Patiu, V. Padula, A. Dias Pimenta, R. Ventura, E. Hajdu, J. Zanol, E. M. Bruna, J. Fitzpatrick, L. A. Rocha. 2018. Lack of support for Science and Education Fails Brazilian Society Again. *Science* 361(6409): 1322-1323.
- 19. Brito Darosci, AA, EM Bruna, JC Motta-Junior, CdS Ferreira, JG Blake, and CB Rodrigues Munhoz. 2017. Seasonality, diaspore traits and the structure of plant-frugivore networks in Neotropical savanna forest. *Acta Oecologica* 84:15-22. [Ph. D. Thesis Chapter].
- 20. Brudvig, LA, SJ Leroux, CH Albert, EM Bruna, KF Davies, RM Ewers, DJ Levey, R Pardini, and J Resasco. 2017. Evaluating conceptual models of landscape change. *Ecography* 40:74-84.
- 21. 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].
- 22. Espin, J, S Palmas, F Carrasco-Rueda, K Riemer, PE Allen, N Berkebile, KA Hecht, K Kastner-Wilcox, MM Nunez-Regueiro, C Prince, C Rios, E Ross, B Sangha, T Tyler, J Ungvari-Martin, M Villegas, TT Cataldo, and EM Bruna.

- 2017. A persistent lack of international representation on editorial boards in environmental biology. **PLoS Biology** 15:e2002760.
- 23. Mundim, FM, HT Alborn, EHM Vieira-Neto, and EM Bruna. 2017. A whole-plant perspective reveals unexpected impacts of above- and belowground herbivores on plant growth and defense. *Ecology* 98:70-78.
- 24. Resasco, J, EM Bruna, NM Haddad, C Banks-Leite, and CR Margules. 2017. The contribution of theory and experiments to conservation in fragmented landscapes. *Ecography* 40:109-118.
- 25. Rocha-Ortega, M, A Bartimachi, J Neves, EM Bruna, and HL Vasconcelos. 2017. Seed removal patterns of pioneer trees in an agricultural landscape. *Plant Ecology* 218:737-748.
- 26. Pitman, N. C. A., J. Widmer, E. M. Bruna, C. N. Jenkins, G. Stocks, L. Seales, F. Paniagua, and E. Maehr. 2017. El sorprendente liderazgo del Ecuador en la producción científica de la región andino-amazónica, pp. 27-30 in D. Romo et al. (eds.), Los Secretos del Yasuní: Avances en investigación en la Estación de Biodiversidad Tiputini, Universidad San Francisco de Quito, Quito.
- 27. Carvalho, KS, MAF Carneiro, IC Nascimento, AK Saha, and EM Bruna. 2016. Lower ant diversity on earth mounds in a semi-arid brazilian ecosystem: Natural or a sign of degradation? *Sociobiology* 63(4):1022-1030.
- 28. Mundim, FM, and EM Bruna. 2016. Is there a temperate bias in our understanding of how climate change will alter plant- herbivore interactions? A meta- analysis of experimental studies. *American Naturalist* 188:S74-S89. [Ph. D. Thesis Chapter] *Selected as WEC Department's 2016 "High Impact Publication"*.
- 29. Sobrinho, MS, M Tabarelli, IC Machado, JC Sfair, EM Bruna, and AV Lopes. 2016. Land use, fallow period and the recovery of a caatinga forest. *Biotropica* 48:586-597.
- 30. Vieira-Neto, EHM, HL Vasconcelos, and EM Bruna. 2016. Roads increase population growth rates of a native leaf-cutter ant in Neotropical savannahs. *Journal of Applied Ecology* 53:983-992. [Ph. D. Thesis Chapter].
- 31. Parker, TH, Nakagawa, S, Gurevitch, J and IIEE (Improving Inference in Evolutionary Biology and Ecology) workshop participants. 2016. Promoting transparency in evolutionary biology and ecology. *Ecology Letters*, 19: 726–728.
- 32. Whitlock, MC, JL Bronstein, EM Bruna, AM Ellison, CW Fox, MA McPeek, AJ Moore, MAF Noor, MD Rausher, LH Rieseberg, M G Ritchie, and RG Shaw. 2016. A balanced data archiving policy for long-term studies. *Trends in Ecology and Evolution* 31(2) 84-85 [Response to article].
- 33. Fine, P.V.A. and Bruna, E.M. 2016. Neotropical White-sand Forests: Origins, Ecology and Conservation of a Unique Rain Forest Environment. *Biotropica*, 48: 5-6. https://doi.org/10.1111/btp.12305
- 34. Hoeksema, JD and EM Bruna. 2015. Context-dependent outcomes of mutualistic interactions. Pages 181-202 in Mutualism, JL Bronstein (ed.). Oxford University Press.
- 35. Bruna, EM, TJ Izzo, BD Inouye, and HL Vasconcelos. 2014. Effect of mutualist partner identity on plant demography. *Ecology* 95:3237-3243. *Cover Article*.
- 36. Cho, AH, SA Johnson, CE Schuman, JM Adler, O Gonzalez, SJ Graves, JR Huebner, DB Marchant, SW Rifai, I Skinner, and EM Bruna. 2014. Women are underrepresented on the editorial boards of journals in environmental biology and natural resource management. *PeerJ* 2:e542. *Named to the 2015 PeerJ Picks Collection* (*Highlighting 20 articles of the 471 published in 2014*).
- 37. Smith, MJ, C Weinberger, EM Bruna, and S Allesina. 2014. The scientific impact of nations: Journal placement and citation performance. *PLoS ONE* 9:e109195.
- 38. Braunger Vasconcelos, P, GM Araújo, and EM Bruna. 2014. The role of roadsides in conserving cerrado plant diversity. *Biodiversity and Conservation* 23:3035-3050.
- 39. V. Christianini, P. S. Oliveira, E. M. Bruna, H. L. Vasconcelos. 2014. Fauna in decline: Meek shall inherit. *Science* 354(6201):1129.
- 40. Bruna, E. M. 2014 On identifying rising stars in biology. *Bioscience* 64(3):169.

- 41. Girão, LC, AV Lopes, M Tabarelli, and EM Bruna. 2014. Mudanças em atributos reprodutivos de árvores reduzem a diversidade funcional em uma paisagem fragmentada de floresta Atlântica pp. 145-174 in Serra Grande: Uma Floresta de ideas. M. Tabarelli, A. V. Neto, I. R. Leal, and A. V. Lopes (Eds.). Editora Universitároa da UFPE. Recife. [translation of Girão I 2007, *PLoS ONE*].
- 42. Araújo, GM, AF Amaral, EM Bruna, and HL Vasconcelos. 2013. Fire drives the reproductive responses of herbaceous plants in a Neotropical swamp. *Plant Ecology* 214:1479-1484.
- 43. Côrtes, MC, M Uriarte, MR Lemes, R Gribel, W John Kress, PE Smouse, and EM Bruna. 2013. Low plant density enhances gene dispersal in the Amazonian understory herb *Heliconia acuminata*. *Molecular Ecology* 22:5716-5729. [Ph. D. Thesis Chapter].
- 44. Jurinitz, CF, AA de Oliveira, and EM Bruna. 2013. Abiotic and biotic influences on early-stage survival in two shade-tolerant tree species in Brazil's Atlantic forest. *Biotropica* 45:728-736. [Ph. D. Thesis Chapter].
- 45. 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].
- 46. Copeland, SM, EM Bruna, LV Barbosa Silva, MC Mack, and HL Vasconcelos. 2012. Short-term effects of elevated precipitation and nitrogen on soil fertility and plant growth in a Neotropical savanna. *Ecosphere* 3. [Ph. D. Thesis Chapter].
- 47. Iacona, GD, LK Kirkman, and EM Bruna. 2012. Experimental test for facilitation of seedling recruitment by the dominant bunchgrass in a fire-maintained savanna. *PLoS ONE* 7. [Ph. D. Thesis Chapter].
- 48. Mundim, FM, EM Bruna, EHM Vieira-Neto, and HL Vasconcelos. 2012. Attack frequency and the tolerance to herbivory of Neotropical savanna trees. *Oecologia* 168:405-414. [Ph. D. Thesis Chapter].
- 49. Passmore, HA, EM Bruna, SM Heredia, and HL Vasconcelos. 2012. Resilient networks of ant-plant mutualists in Amazonian forest fragments. *PLoS ONE* 7(8):e40803.
- 50. Vasconcelos, HL, and EM Bruna. 2012. Arthropod responses to the experimental isolation of Amazonian forest fragments. *Zoologia* 29:515-530. *Invited review*.
- 51. Palumbo, MJ, SA Johnson, FM Mundim, AC Wolf, S Arunachalam, O Gonzalez, A Lau, JL Ulrich, A Washuta, EM Bruna. 2012. Harnessing smartphones for ecological education, research, and outreach. *Bulletin of the Ecological Society of America* 93(4): 390-393.
- 52. Bruna, EM, and AS de Andrade. 2011. Edge effects on growth and biomass partitioning of an Amazonian understory herb (*Heliconia acuminata*; Heliconiaceae). *American Journal of Botany* 98:1727-1734.
- 53. Bruna, EM, TJ Izzo, BD Inouye, M Uriarte, and HL Vasconcelos. 2011. Asymmetric dispersal and colonization success of Amazonian plant-ants queens. *PLoS ONE* 6:e22937.
- 54. Ferreira, AV, EM Bruna, and HL Vasconcelos. 2011. Seed predators limit plant recruitment in Neotropical savannas. *Oikos* 120:1013-1022.
- 55. 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.
- 56. Gagnon, PR, EM Bruna, P Rubim, MR Darrigo, RC Littell, M Uriarte, and WJ Kress. 2011. Growth of an understory herb is chronically reduced in Amazonian forest fragments. *Biological Conservation* 144:830-835.
- 57. Laurance, WF, JLC Camargo, RCC Luizao, SG Laurance, SL Pimm, EM Bruna, PC Stouffer, GB Williamson, J Benitez-Malvido, HL Vasconcelos, KS Van Houtan, CE Zartman, SA Boyle, RK Didham, A Andrade, and TE Lovejoy. 2011. The fate of Amazonian forest fragments: A 32-year investigation. *Biological Conservation* 144:56-67. *Highlighted as "Exceptional" by the Faculty of 1000*.
- 58. Pitman, NCA, J Widmer, CN Jenkins, G Stocks, L Seales, F Paniagua, and EM Bruna. 2011. Volume and geographical distribution of ecological research in the Andes and the Amazon, 1995-2008. *Tropical Conservation Science* 4:64-81.

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## MANUSCRIPTS IN PREPARATION (N=11, drafts available upon request).

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- 11. Rubim, P., D. M. S. Matos, M. Uriarte, and E. M. Bruna. Local density influences the growth of seedlings of an Amazonian understory herb. In preparation for *Biotropica* [Ph.D. Thesis Chapter].
- 12. Loiselle, B. A., E. M. Bruna, R. Buschbacher, and S. Athayde. In prep. How can Brazilian Studies and partnerships with Brazilian institutions shape the perception of tropical conservation and development issues at US universities? Lessons from the University of Florida. Brazilian Studies in the United States: The road ahead. Yale University, FGV, and The Ministry of Education in Brazil.
- 13. Rubim, P. R., M. Uriarte, O. Ferreira, and E. M. Bruna. Neighborhood effects and the reproductive effort of a tropical perennial herb. In preparation for *Ecology* [Ph.D. Thesis Chapter].

## **COURSE DEVELOPMENT & TEACHING EXPERIENCE**

## Courses Developed & Taught at the University of Florida

The Future of Rain Forests (Undergraduate, 2021, 2022)

Data Collection & Management for Latin American Studies (Graduate, 2019, 2021, 2022)

Ecology and Conservation of Tropical Wildlife (Undergraduate, 03,05,07,11,12,14,18)

Plant-Animal Interactions (Graduate, 2004, 2006, 2008, 2010)

Fundraising for Tropical Conservation & Development (Graduate, 2013, 2016, 2018, 2020)

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

Ecological Principles for Development & Conservation Professionals (Graduate, 2010, 2011, 2012)

Tropical Forest Community Ecology (Graduate, 2000)

Design and Methods of Research in Latin American Studies (Graduate, 2008, 2010)

Research Methods in Tropical Conservation & Development (Graduate, 2003-2007)

Seminar in Wildlife Ecology and Conservation (Graduate, 2003, 2004)

Social Media Workshop (Graduate, 2016)

## **Guest Lectures in University of Florida Courses**

The Professional Scientist (WIS 6934: 2021)

Diverse Perspectives in Conservation (WIS4934: 2021, 2022)

Human Footprint on the Landscape (GEO3352: 2019)

Facets of Sustainability (IDS2154: 2011, 2013)

Environmental Planning & Design (EES 6051: 2016, 2018)

The Amazon (LAS6290: 2009, 2011)

Design & Methods of Research in Latin American Studies (Graduate, 2019, 2020)

Discovering Research & Communicating Science (IDH3931: 2015)

Wildlife Techniques (WIS4945C: 2005)

Development Theory & Practice (LAS6938: 2010)

Wildlife Population Modeling (WIS6466: 2003, 2006, 2008, 2010) Principles of Wildlife Ecology & Conservation (WIS6934: 2008)

Luso-Brazilian Civilization (POW3500: 2004)

### **Courses and Guest Lectures for Other Institutions**

Univ. Federal de Uberlândia: Mechanisms of Species Coexistence (Graduate Course, 2006)

Univ. Federal de Uberlândia: Data Management & Archiving (Graduate Course, 2012, 2014)

Univ. Federal de Uberlândia: Scientific Publishing (Graduate Course, 2011)

INPA: Population Ecology (Guest Lecturer 2002, 2003)

INPA: Community Ecology (Guest Lecturer 2002) OTS 3M Field Course (2001)

OTS Amazonian Ecosystems Field Course (2001)

Antioch College Semester Abroad in Brazil (1999, 2001)

Univ. Federal do Amazonas, Fragmented Landscapes Field Course (2000, 2002)

#### **GRADUATE STUDENTS ADVISED**

Priyanka Hari Haran	UF	Wildlife Ecology & Conservation	Ph.D.	In progress
Thomas Smith	UF	Wildlife Ecology & Conservation	Ph.D.	In progress
Simon Parsons	UF	Latin American Studies	M.A.	2018
Ernane H. M. Vieira Neto	UF	Wildlife Ecology & Conservation	Ph.D.	2016
Fabiane Moreira Mundim	UF	Wildlife Ecology & Conservation	Ph.D.	2016
Ana Ceclia Silva	UF	Latin American Studies	M.A.	2014
Paulo Rubim	UFSCar (Brazil)	Ecology	Ph.D.	2014
Pedro B. de Vasconcelos	UFU (Brazil)	Biology	M.S.	2012
Christine Lucas	UF	Wildlife Ecology & Conservation	Ph.D.	2011
Cris Follman Jurinitz	USP (Brazil)	Ecology	Ph.D.	2010
Stella Copeland	UF	Wildlife Ecology & Conservation	M.S.	2009
Gwen lacona	UF	Wildlife Ecology & Conservation	M.S.	2008
Alana Vaz Ferreira	UFU (Brazil)	Ecology & Nat. Res. Cons.	M.S.	2008
Ian Fiske	UF	Wildlife Ecology & Conservation	M.S.	2006
Matthew Trager	UF	Interdisciplinary Ecology	M.S.	2005
Maria B. Nogueira-Ribeiro	USP (Brazil)	Ecology	M.S.	2005

Students under my supervision have been awarded over \$35,000 in grants to support their research and been the recipients of prestigious fellowships and awards to support their studies:

- Priyanka Hari Haran: Research Grants from the ATBC, UF-SNRE, & UF-TCD
- FLAS Fellowship (S. Parsons)
- NSF Predoctoral Fellowships (M. Trager, S. Copeland)
- UF IGERT Fellowship (C. Lucas)
- Inter-American Foundation Grassroots Development Fellowship (C. Lucas)
- UF Alumni Fellowship (M. Trager)
- Fulbright Fellowship (A. Neto)
- Science Without Borders Doctoral Fellowship (E. V. Neto, F. Mundim).
- NSF Doctoral Dissertation Enhancement Grant (C. Lucas)
- UF-WEC Jennings Scholarship (A. Neto, M. Trager, F. Mundim, G. Iacona)
- UF-CALS Doris Lowe & Earl & Verna Lowe Scholarship (C. Lucas, E. V. Neto).

Research by my students has also been recognized for its excellence:

- Thomas Smith: Best Student Presentation, IALE-NA Annual Meeting (2022)
- Fabiane Mundim: UF-IFAS High-Impact Publication (2021)
- Fabiane Mundim: WEC High-Impact Publication (2016)
- Ana Cecilia Silva: Honorable Mention, Charles Wood Thesis Award, UF-LATAM (2015)
- Fabiane Mundim: Honorable Mention, OTS Outstanding Paper Competition (2012)

- Christine Lucas: Marianne Schmink Outstanding Dissertation Award, UF-TCD (2012)
- Ernane Vieira Neto: E. Lucy Braun Outstanding Poster Award, ESA Annual Meeting (2011)
- Shannon Moore: Best Presentation, UF High School Student Science Training Program Symposium (2010)
- Matthew Trager: Outstanding Research Award MS Category, Wildlife Graduate Student Association (2005)

# DOCTORAL STUDENT COMMITTEE SERVICE, UNIVERSITY OF FLORIDA

Austin Nelsen	UF	History	Ph.D.	In progress
Andrea Irons	UF	Forest Resources & Conservation	Ph.D.	In progress
Maria Beatriz Cortez	UF	Biology	Ph.D.	In progress
David Mason	UF	Wildlife Ecology & Conservation	Ph.D.	2022
Johanna R. Jantzen	UF	Biology	Ph.D.	2020
Demian Gomez Damiano	UF	Forest Resources & Conservation	Ph.D.	2020
Jacy Hyde	UF	Forest Resources & Conservation	Ph.D.	2019
Flavia Montaño Centellas	UF	Wildlife Ecology & Conservation	Ph.D.	2018
Jade Badon	UF	Entomology	Ph.D.	2018
Pablo Allen	UF	Entomology	Ph.D.	2017
Margo Stoddard	UF	Wildlife Ecology & Conservation	Ph.D.	2017
Scott Macrae	UF	Anthropology	Ph.D.	2017
Rajeev Pillay	UF	Wildlife Ecology & Conservation	Ph.D.	2016
Rosalyn Johnson	UF	Wildlife Ecology & Conservation	Ph.D.	2016
Gonzalo Rivas	UF	Wildlife Ecology & Conservation	Ph.D.	2015
Oscar Gonzalez	UF	Wildlife Ecology & Conservation	Ph.D.	2015
Trevor Caughlin	UF	Biology	Ph.D.	2013
Kristine Callis	UF	Biology	Ph.D.	2013
Marina Cortes	Columbia	Ecology, Evolution, Behavior	Ph.D.	2012
Marina Cortes Mollie Brooks	Columbia UF	Ecology, Evolution, Behavior Biology	Ph.D. Ph.D.	2012 2012
		= -		
Mollie Brooks	UF	Biology	Ph.D.	2012
Mollie Brooks Silvia Alvarez-Clare	UF UF	Biology Biology	Ph.D. Ph.D.	2012 2012
Mollie Brooks Silvia Alvarez-Clare Christie Klimas	UF UF UF	Biology Biology Forest Resources & Conservation	Ph.D. Ph.D. Ph.D.	2012 2012 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon	UF UF UF UF	Biology Biology Forest Resources & Conservation Biology	Ph.D. Ph.D. Ph.D. Ph.D.	2012 2012 2010 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon Joseph Veldman	UF UF UF UF UF	Biology Biology Forest Resources & Conservation Biology Biology	Ph.D. Ph.D. Ph.D. Ph.D. Ph.D.	2012 2012 2010 2010 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon Joseph Veldman Jennifer Schafer	UF UF UF UF UF UF	Biology Biology Forest Resources & Conservation Biology Biology Biology	Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D.	2012 2012 2010 2010 2010 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon Joseph Veldman Jennifer Schafer Joanna Tucker	UF UF UF UF UF UF	Biology Biology Forest Resources & Conservation Biology Biology Biology Interdisciplinary Ecology	Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D.	2012 2012 2010 2010 2010 2010 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon Joseph Veldman Jennifer Schafer Joanna Tucker Dan Thornton	UF UF UF UF UF UF	Biology Biology Forest Resources & Conservation Biology Biology Biology Interdisciplinary Ecology Wildlife Ecology & Conservation	Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D.	2012 2012 2010 2010 2010 2010 2010 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon Joseph Veldman Jennifer Schafer Joanna Tucker Dan Thornton Matt Trager	UF UF UF UF UF UF UF	Biology Biology Forest Resources & Conservation Biology Biology Biology Interdisciplinary Ecology Wildlife Ecology & Conservation Interdisciplinary Ecology	Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D.	2012 2012 2010 2010 2010 2010 2010 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon Joseph Veldman Jennifer Schafer Joanna Tucker Dan Thornton Matt Trager Alex Jahn	UF UF UF UF UF UF UF UF UF	Biology Biology Forest Resources & Conservation Biology Biology Biology Interdisciplinary Ecology Wildlife Ecology & Conservation Interdisciplinary Ecology Zoology	Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D. Ph.D.	2012 2012 2010 2010 2010 2010 2010 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon Joseph Veldman Jennifer Schafer Joanna Tucker Dan Thornton Matt Trager Alex Jahn Ivan Diaz	UF UF UF UF UF UF UF UF	Biology Biology Forest Resources & Conservation Biology Biology Biology Interdisciplinary Ecology Wildlife Ecology & Conservation Interdisciplinary Ecology Zoology Wildlife Ecology & Conservation	Ph.D.	2012 2012 2010 2010 2010 2010 2010 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon Joseph Veldman Jennifer Schafer Joanna Tucker Dan Thornton Matt Trager Alex Jahn Ivan Diaz Christa Zweig	UF	Biology Biology Forest Resources & Conservation Biology Biology Biology Interdisciplinary Ecology Wildlife Ecology & Conservation Interdisciplinary Ecology Zoology Wildlife Ecology & Conservation Wildlife Ecology & Conservation	Ph.D.	2012 2012 2010 2010 2010 2010 2010 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon Joseph Veldman Jennifer Schafer Joanna Tucker Dan Thornton Matt Trager Alex Jahn Ivan Diaz Christa Zweig Silvia Lomáscolo	UF	Biology Biology Forest Resources & Conservation Biology Biology Biology Interdisciplinary Ecology Wildlife Ecology & Conservation Interdisciplinary Ecology Zoology Wildlife Ecology & Conservation Wildlife Ecology & Conservation Zoology Botany Entomology	Ph.D.	2012 2010 2010 2010 2010 2010 2010 2010
Mollie Brooks Silvia Alvarez-Clare Christie Klimas C. Seabird McKeon Joseph Veldman Jennifer Schafer Joanna Tucker Dan Thornton Matt Trager Alex Jahn Ivan Diaz Christa Zweig Silvia Lomáscolo Bonifacio Mostacedo	UF U	Biology Biology Forest Resources & Conservation Biology Biology Biology Interdisciplinary Ecology Wildlife Ecology & Conservation Interdisciplinary Ecology Zoology Wildlife Ecology & Conservation Wildlife Ecology & Conservation Zoology Botany	Ph.D.	2012 2010 2010 2010 2010 2010 2010 2010

# **MASTER'S STUDENT COMMITTEE SERVICE**

Emma Zeitler	UF	Wildlife Ecology & Conservation	M.S.	In progress
Autumn Rose	UF	Anthropology	M.A.	2022
Tania Kim	UF	Zoology	M.S.	2006
Lauren Trotta	UF	Wildlife Ecology & Conservation	M.S.	2016
Crisne Lebron	UF	Latin American Studies	M.A.	2015
Brittany Bankovich	UF	Wildlife Ecology & Conservation	M.S.	2014
Carly Voight	UF	Latin American Studies	M.A.	2010
Nathan Marcy	UF	Wildlife Ecology & Conservation	M.S.	2010

Kristen Aaltonen	UF	Wildlife Ecology & Conservation	M.S.	2009
Laura Fonseca	UF	Latin American Studies	M.A.	2009
Mariano Rodriguez Cabal	UF	Wildlife Ecology & Conservation	M.S.	2007
Jennifer Holm	UF	Forest Resources & Conservation	M.S.	2007
Jamie Cotta	UF	Interdisciplinary Ecology	M.S.	2006
Teresa Cooper	UF	Entomology	M.S.	2006
Christie Klimas	UF	Forest Resources & Conservation	M.S.	2006
Silvia Alvarez Clare	UF	Botany, 2004	M.S.	2004
Jennifer Davies	UF	Latin American Studies	M.A.	2003
Emma Zeitler	UF	Wildlife Ecology & Conservation	M.S.	2021

# MEMBER OF PROPOSAL REVIEW, THESIS REVIEW, OR THESIS DEFENSE COMMITTEE

Helen Belan	UFU (Brazil)	PH.D. Defense	2020
Talita Reis	UNICAMP (Brazil)	Ph.D. Thesis Examiner	2015
Laura Vivian Barbosa	UFU (Brazil)	Ph. D. Proposal Defense	2014
Alan Nilo da Costa	UFU (Brazil)	Ph.D. Defense	2013
Jonas B. Marvalhas	UFU (Brazil)	M.S. Defense	2013
Mauricio Bonesso Sampaio	UNICAMP (Brazil)	Ph.D. Thesis Examiner	2012
Carine Emer	INPA (Brazil)	M.S. Thesis Examiner	2011
Flávio de Oliveira Rodrigues	INPA (Brazil)	M.S. Thesis Examiner	2011
Sjirk Geerts	Stellenbosch (S. Africa)	Ph.D. Thesis Examiner	2011
Maria Rosa Darrigo	UNICAMP (Brazil)	Ph.D. Thesis Examiner	2011
Waldete Castro Lourenço	INPA (Brazil)	M.S. Thesis Examiner	2009
Carine Emer	INPA (Brazil)	M.S. Proposal Examiner	2009
Melina Alcalá	UFSCar (Brazil)	M.S. Qualifying Exam	2009
Raquel Negrão Baldoni	UFSCar (Brazil)	M.S. Qualifying Exam	2009
Pedro B. Vasconcelos	UFU (Brazil)	B.S. Thesis Defense	2009
Rafael Soares de Arruda	INPA (Brazil)	Ph.D. Thesis Examiner	2008
Ernane Vieira Neto	UFU (Brazil)	M.S. Defense	2008
Simone B. Fontoura	INPA (Brazil)	M.S. Thesis Examiner	2007
Alan Nilo da Costa	UFU (Brazil)	M.S. Defense	2007
Fabiane M. Mundim	UFU (Brazil)	B.S. Thesis Defense	2007
Simone Benedet Founatura	INPA, Brazil	M.S. Proposal Examiner	2006
Thiago Junqueira Izzo	INPA (Brazil)	Ph.D. Thesis Examiner	2005
Paula M. Pedrosa	INPA (Brazil)	M.S. Thesis Examiner	2004
Thiago Junqueira Izzo	INPA (Brazil)	M.S. Proposal Examiner	2002
Daniel Mascia Vieira	UnB (Brazil)	M.S. Defense	2002

# POSTDOCTORAL, SABBATICAL, & POSTGRADUATE SCHOLARS

Eric Scott	UF	Postdoctoral Scholar	2020-2022
Nina Attias	UF	Postdoctoral Scholar	2021-2022
Maria Rosa Darrigo	UF	Postdoctoral Scholar	2012
Paul Gagnon	UF	Postdoctoral Scholar	2008-2011
Heather Passmore	UF	Postdoctoral Scholar	2010-2011
Marina Anciães	Columbia Univ. & BDFFP (Brazil)	Postdoctoral Scholar	2007-2010
Thiago Izzo	UF & BDFFP (Brazil)	Postdoctoral Scholar	2005-2009
Laury Cullen	Inst. De Pesquisas Ecológicas, Brazil	Sabbatical Scholar	2016
Ariadna V. F. Lopes	UFPE (Brazil)	Sabbatical Scholar	2013-2014
Karine Carvalho	Univ. Estadual Sul da Bahia (Brazil)	Sabbatical Scholar	2013-2014
Ariadna V. F. Lopes	UFPE (Brazil)	Sabbatical Scholar	2006-2007
Alexandre Oliveira	USP (Brazil)	Sabbatical Scholar	2006

Laura Vivian Barbosa UFU (Brazil) Postgraduate Scholar 2010-2013 Paulo Rubim UF & BDFFP (Brazil) Postgraduate Scholar 2007-2011 USP (Brazil) Camilla Castanho Postgraduate Scholar 2006 Simone Athayde Instituto Socioambiental (Brazil) TCD Professional Visitor 2004 Maria Rosa Darrigo BDFFP-INPA Postgraduate Scholar 2002-2003

# **UNDERGRADUATE THESIS STUDENTS, HIGH SCHOOL RESEARCHERS, & VISITING GRADUATE STUDENTS**

Yves Bovolenta       Univ. Estadual Londrina (Brazil)       Visiting Ph.D. Student       2014         Diego Rodruigues       Univ. Estadual Londrina (Brazil)       Visiting Ph.D. Student       2014         Alex Nills de Coste       Univ. Estadual Londrina (Brazil)       Visiting Ph.D. Student       2014
Alan Nila da Casta IIIII / Durail\ \\( \) \\( \) \( \)
Alan Nilo da Costa UFU (Brazil) Visiting Ph.D. Student 2012
Pedro Vasconcelos UFU (Brazil) Visiting M.S. Student 2011
Rodolfo de Abreu USP-ESALQ (Brazil) Visiting Ph.D. Student 2011
Caroline Ferreira UFU (Brazil) Visiting M.S. Student 2011
Fabiane Mundim Ribeiro UFU (Brazil) Visiting M.S. Student 2008
Rita Quitete Portela UNICAMP (Brazil) Visiting Ph.D. Student 2007
Ernane Vieira Neto UFU (Brazil) Visiting M.S. Student 2007
Ellie McDaniel UF WEC Independent Study 2022
Ellie McDaniel UF NSF REU Scholar 2021
Andrew Mercadante UF NSF REU Scholar 2021
Irina Skinner UF UF Scholars Thesis 2009
Irina Skinner UF WEC Independent Study 2006
David M. Lapola UNESP (Brazil) Senior Thesis Co-advisor 2004
Olavo Nardy UNESP (Brazil) Senior Thesis Co-advisor 2000
Ian Fiske UF WEC Undergrad Project 2003
Bridget Chapin UF WEC Undergrad Project 2003
William Hahn Eastisde High School Research Associate 2011-2012
Shannon Moore Ft. Myers High School SSTP Scholar 2010
Tyler Webner American Heritage High School SSTP Scholar 2010

Research Interns: 2007: Wesley Dáttilo da Cruz, Univ. Estadual do Norte Fluminense (Brazil), Jefferson José Valsko da Silva, Universidade do Norte Fluminense (Brazil). 2005-2007: Renata Pacheco do Nacimento and Cauê Thomé Lopes, Univ. Federal de Uberlândia (Brazil). 2005-2006: Polyanna Custodio Duarte, Univ. Federal de Uberlândia (Brazil). 2006: Waldete Castro Lourenço, Univ. Federal do Amazonas (Brazil), Elisabete Marques da Costa, Univ. Federal de Pernambuco (Brazil). 2005: Bruno Turbiani, Universidade Estadual Paulista (Brazil). 2004: Cristina Escate, Universidade Federal do Amazonas (Brazil), Simone Benedet, Universidade do Vale do Rio do Sinos (Brazil). 2003: Cris Follman Jurinitz, Univ. Federal do Rio Grande do Sul (Brazil), Denise Cruz, Univ. Federal do Rio de Janeiro (Brazil). 2003-2004: David M. Lapola, Universidade Estadual Paulista (Brazil). 2002: Maria Beatriz Nogueira, Universidade de São Paulo (Brazil). 2001-2002: Sylvia Heredia, Universidad de los Andes (Colombia). 2001: Obed Garcia, INPA (Brazil), Olavo Nardy, UNESP (Brazil).

# **SERVICE - UNIVERSITY OF FLORIDA**

Samuel P. Harn Museum of Art Faculty Council (2012-2015)

Selection Committee, UF Undergraduate Faculty Mentor/Advisor of the Year (2022)

Selection Committee, UF Undergraduate Teacher of the Year (2022)

Selection Committee, UF International Educator of the Year (2006)

Selection Committee, UF Teacher/Scholar of the Year (2015)

UF Research Foundation Professorship Selection Committee (2010)

Fulbright Fellows Campus Interview Committee (2019)

Catalyst Fellow, UF Innovation Academy Catalyst Challenge (2018)

External Advisory Committee, Institute of Museum & Library Services Grant (2015-2018)

International Outreach Advisory Council, Graduate School (2014-Present)
Internal Advisory Board, Innovation through Institutional Integration (I3) program (2010-2014)
Administrative Council, QSE3 IGERT (2008-2014)

### **SERVICE - UF COLLEGE OF AGRICULTURAL AND LIFE SCIENCES**

IFAS International Programs Advisory Team (2020-Present)

UF-CALS Outstanding Thesis Selection Committee (2020)

York Distinguished Lecture Selection Committee (2015)

Search and Screen Committee, CALS Quantitative Sciences Faculty Positions (2013)

Coordinating Committee, School for Natural Resources & the Environment (2012)

Invited Speaker, College of Agricultural & Life Sciences Teaching Grantsmanship Workshop (2012)

Mentorship Committee for Dr. Luke Flory, Dept. of Agronomy (2012)

IFAS Faculty Professional Development Advisory Committee (2012-2013)

Selection Committee, College of Agricultural & Life Sciences Teaching and Advising Awards (2012)

Invited Speaker, College of Agriculture and Life Sciences Teaching Enhancement Symposium (2010)

College of Agricultural & Life Sciences Undergraduate Scholarships & Awards Committee (2007-2009)

Unifas Focus Group (Teaching Section), College of Agriculture and Life Sciences (2007)

Unifas Advisory Committee, College of Agriculture and Life Sciences (2006-2007)

Invited Speaker, College of Agriculture and Life Sciences Teaching Enhancement Symposium (2005)

Commencement Marshal, College of Agricultural and Life Sciences (2004, 2014, 2015, 2018)

SNRE Seed Grant and New Faculty Support Grant Programs (2005)

### **SERVICE - UF DEPARTMENT OF WILDLIFE ECOLOGY & CONSERVATION**

Research Committee (2005-2007, 2020-present)

Space Committee (2019)

Communications Committee (2014-Present)

Graduate Program Committee (2005-2012)

International Programs Committee (2006-2010)

Steering Committee, PSTC Compton Fellowship Program (2002-2010)

Seminar Series Coordinator (2003-2004)

Seminar Series Coordinator (2015)

Chair, Tenure Mentorship Committee for Dr. Robert Fletcher (2009-2012)

Tenure Mentorship Committee for Dr. Nia Morales (2021-2023)

Tenure Mentorship Committee for Dr. Matt Hallet (2022-2025)

Search and Screen Committee, Research Asst. Professor, Zoo Wildlife Conservation Biology (2020)

Search and Screen Committee, Asst. Professor of Population Ecology (2017)

Search and Screen Committee, Department Head (2006)

Search and Screen Committee, Asst. Professor of Landscape Ecology (2004)

Search and Screen Committee, Asst. Professor of Conservation Genetics, WEC (2004)

Chair, Peer Teaching Evaluation Committee for Dr. Ethan White (2019-2020)

Chair, Peer Teaching Evaluation Committee for Dr. Morgan Ernest (2017-2018)

Chair, Peer Teaching Evaluation Committee for Dr. Lyn Branch (2011)

Chair, Peer Teaching Evaluation Committee for Dr. Bill Pine (2010)

Chair, Peer Teaching Evaluation Committee for Dr. Robert Fletcher (2009)

Peer Teaching Evaluation Committee for Dr. Raelene Crandall (UF-FFGS, 2021-2022)

Peer Teaching Evaluation Committee for Dr. Madan Oli (2003)

Peer Teaching Evaluation Committee for Dr. Bill Pine (2015)

Peer Teaching Evaluation for Dr. Michelle Mack (UF-Botany, 2006)

### **SERVICE - UF CENTER FOR LATIN AMERICAN STUDIES**

LAS Faculty Advisory Council (2020-2023)

LAS Bylaws Revision Committee (2020-2021)

LAS Merit Evaluation Committee (2015-2017)

LAS Graduate Admissions and Fellowship Committee (2007)

Chair, Search and Screen Committee, Lecturer in Latin American Studies (2015)

Chair, LAS Awards and Scholarship Committee (2019)

Search and Screen Committee, LAS Communications Coordinator (2015)

Bacardi Seminar Series Coordinator (2015)

Academic Advisor, Tropical Conservation and Development Program (2008-11, 2021-2022) Faculty Advisor, TCD Graduate Student Organization (2008-2016)

Steering Committee, Tropical Conservation and Development Program (2002-08, 2010-16, 2018-present)

Chair, TCD Fellowship Committee (2012, 2022)

Chair, TCD Field Research Grants Committee (2004, 2008, 2009, 2010, 2015, 2020, 2021)

Chair, Marianne Schmink Award Selection Committee (2010, 2011, 2013)

TCD Field Research Grants Committee (2003, 2004)

TCD Fellowship Committee (2003-2005)

Organizing Committee, TCD Strategic Planning (2007-2008)

Curriculum Committee, Master's Program in Sustainable Development Practice (2010-2012)

Advisory Council, Amazon Conservation Leadership Initiative (2004-2005)

Advisory Committee, Pan-Amazon Community of Practice Project (2018-2020)

## **SERVICE - OTHER INSTITUTIONS**

External Tenure & Promotion Evaluations: 17 (2011-2022)

ASN/SSE/SSB Committee on Development a Professional Code of Ethics (2018-2019)

External Advisor, 2nd Planning Workshop, Brazilian Biodiversity and Ecosystem Services Synthesis Center (2018)

Discussant, Research & Writing Conference, Florida Education Fund/McKnight Doctoral Fellowship Program (2016)

Co-host & Co-organizer, UC Davis Population Biology Workshop in Ecology (2000)

Student Representative, UC Davis Population Biology GRT Executive Committee (1996-1997)

UC San Diego EAP Selection Committee, Tropical Biology Program (1994)

### **SERVICE - ASSOCIATION FOR TROPICAL BIOLOGY AND CONSERVATION**

Past-President (2022), President (2021), President-Elect (2020)

Program & Organizing Committees, Annual Meeting of the ATBC (2021)

Student Field Grants Selection Committee (2020)

Student Field Grants Selection Committee (2020)

Crowdfunding Workshop, Annual Meeting of the ATBC (2018)

Annual Meeting Scientific Committee (2017, 2012)

Councillor (2009-2011)

Conservation Committee (2004-2006)

Co-organizer, Symposium on Amazonian Conservation, Annual Meeting (2004)

# **SERVICE - ECOLOGICVLA SOCIETY OF AMERICA**

Secretary (2022-2025) Teller's Committee (2022-2025) Governance & Leadership Committee (2022-2025) Historical Records Committee (2022-2025)

## **SERVICE AS A REVIEWER AND EDITOR**

Biotropica: Editor-in-Chief (2013-2019; >2400 decisions), Assoc. Editor (2010-2013), Subject Editor (2007-2019).

Ecology, Ecological Monographs, and Ecological Applications: Editorial Board (2008-2012)

Ad hoc referee for journals (No. of reviews): Trends in Ecology and Evolution (1), Nature Human Behavior (1), Nature Ecology & Evolution (1), Information, Communication, & Society (1), Ecology (4), Ecology and Evolution (1), Methods in Ecology & Evolution (1), Conservation Biology (5), Biological Conservation (7), Ecological Applications (1), Oecologia (4), Journal of Tropical Ecology (2), Journal of Ecology (6), New Phytologist (1), American Naturalist (3), Plant Ecology (3), Proc. Roy. Soc. Lond. B (1), Journal of Applied Ecology (1), Biotropica (13), Ecography (5), Ciência y Cultura (2), Oikos (1), Revista Chilena de Historia Natural (1), Biochemical Systematics & Ecology (1), Ecology Letters (2), Insectes Sociaux (1), American J. of Botany (1), Scientometrics (1), F1000 (1), Desenvolvimento e Meio Ambiente (1), PLoS Biology (2), PLoS ONE (1), Theoretical Ecology (1), Conservation Science & Practice (1)

**US National Science Foundation:** Proposal Review Panels: DEB Ecology (2005), DEB Population and Evolutionary Processes (2007), DEB Population and Community Ecology (2011, 2013). Ad-hoc proposal review: Division of Environmental Biology Core Programs (7), UMEB Program (2), RUI Program (1), AMERICAS Dissertation Improvement Grants (1), NSF Global Scientists and Engineers Program (1), International Research Fellowship Program (1), Dimensions of Biodiversity Program (1)

**Other service as a reviewer (No. of reviews or year of service)**: \*Red Line Editorial (2019, technical review of a K-12 book), Mindlin Foundation (2018), Cornell University Press (2017), Instituto Serrapliheira (2017), HHMI Professors Program (2017), UF FAES/CRIS Project Proposals (2), U. of Chicago Press (1), Alfred P. Sloan Foundation Minority Ph.D. Program (3). National Geographic Society (1), U. of California Press (1)

## **INVITED PRESENTATIONS**

- Presidential Plenary, Annual Meeting of the ATBC
   Florida International University, Department of Earth & Environment
   Panel on Open Data, Annual Meeting of the Associação Brasileira de Editores Cientí
- 2021 Panel on Open Data, Annual Meeting of the Associação Brasileira de Editores Científicos UF Sociology & Criminology Graduate Student Group
- PUC Rio de Janeiro, Aula Inaugural, Departamento de Biologia
   University of Colorado, Boulder, Dept. of Ecology and Evolutionary Biology
   Diversifying Biodiversity Science' Global Roundtable, Biodiversity RCN
   Global Convolvulaceae Network, Royal Botanic Gardens Kew
   Keynote Speaker, Rollins College Latin Am & Latinx Studies Symposium (cancelled due to COVID19)
- 2019 ROpenSci Community Call on Managing Multilingual Communities
  UF Health Sciences Center Library, Panel on "Unpacking Predatory Publishing"
  UFL-LAS Global Connection, Hunter's Lane High School (Nashville TN)
- 2018 Roundtable on Scientific Publishing,\nAnnual Conference of Ford Foundation Fellows
  Symposium on Frontiers in demographic modeling for tropical forest ecology & Conservation, ATBC 2018
  Keynote Roundtable on Diversity and inclusion in Tropical Biology & Conservation, ATBC 2018
  University of Michigan, Ecology & Evolutionary Biology

Michigan State University, Dept. of Plant Biology

Michigan State University, Council on Diversity and Community Distinguished Speaker Series UF-IFAS Research Forum

Data Science and Informatics Symposium, UF Informatics Institute

UF Biodiversity Institute Symposium on Collaborations in Biodiversity Research

2017 Student & Early Career Scientist Chapter Symposium, ATBC 2017 Springer-Nature Latin America and Caribbean Webinar Series

2016 Northern Arizona University, Dept. of Biological Sciences

University of Florida, Informatics Institute

California Academy of Sciences

Dryad Digital Data Repository,\nAnnual Members Meeting

Instituto Nacional de Pesquisas da Amazônia

University of Florida, Institute of Learning in Retirement

Symposium on habitat fragmentation and functional homogenization, ATBC 2016

fragmentation and functional homogenization

2015 Vice-President's Symposium,\nAnnual Meeting of the American Society of Naturalists New Mexico State University, HHMI CREATE Speaker

New Mexico State University, Dept. of Biology

Organized Session on Demography & Disturbance, ESA 2015

Universidade Federal de Uberlândia, Instituto de Biologia

Universidade Federal do Rio de Janeiro, Instituto de Biologia

University of Florida, Dept. of Biology

University of Florida, iDigBio Field to Data Workshop

University of Florida, Fulbright Scholars Lecture Series

University of Florida, Maguire Center for Lepidopteran Research

2014 Universidade de São Paulo, Instituto de Biociências

Universidade Federal do Acre, Departamento de Ecologia e Manejo de Recursos Naturais

2013 University of Montana, Division of Biological Sciences

Annual Meeting of the National Association of Science Writers

2012 Plenary Speaker, Southeastern Ecology and Evolution Conference

Symposium on Ecology, Evolution, & Conservation of the Cerrado, ATBC 2012

2011 Symosium on Amazonia, Society for Environmental Journalists

University of Florida, Dept. of Entomology and Nematology

Instituto Nacional de Pesquisas da Amazônia, Depto. de Ecologia

Horizon School, Alachua County School District

2010 University of Florida, Fulbright-Hays Scholars Departure Seminar

Eckerd College, Dept. of Biology

2009 10th Anniv Symposium, U Fed de Uberlândia Grad Program in Ecology & Natural Resource Conservation

Universidade Federal de São Carlos , III Ecology Symposium

IX Brazilian Ecological Congress

Universidade Federal do Rio de Janeiro, Instituto de Biociências

University of California-Davis, LAWR-ESP Centennial Seminar Series

California State University-Northridge, Dept. of Biology

2008 University of Florida, Undergraduate Honors Program

National Science Foundation, RIG-CAA PI Meeting Panel on Career Planning

Columbia University, Dept. of Ecology, Evolution, and Environmental Biology

University of Central Florida, Dept. of Biology

University of Missouri, Division of Biological Sciences

2007 University of California-Riverside, Dept. of Botany and Plant Sciences

University of California-Riverside, Dept. of Biology

University of Missouri-St. Louis, Dept. of Biology

Symposium on Plant-Insect Interactions in the Tropics, ATBC 2007

Washington & Lee University Petrobras Conference on the Environment, Economy & Sustainable Development

Universidade de São Paulo , Instituto de Biociências

University of Florida, Dept. of Fisheries and Aquatic Sciences Graduate Student Symposium

University of Florida, Center for Latin American Studies

Instituto Nacional de Pesquisas da Amazônia, Departamento de Ecologia

2006 Workshop on Careers in Ecology and Evolution, SACNAS Annual Meeting

Joseph W. Jones Ecological Research Center

University of Florida, Dept. of Zoology

2005 Archbold Biological Station

Florida State University, Dept. of Biological Sciences

University of California-Santa Cruz, Dept of. Ecology and Evolution

Symposium on Habitat Fragmentation in Tropical Forests, ATBC 2005

2004 University of Florida, H. T. Odum Center for Wetlands

Institute for Ecosystem Studies

Universidade Federal de Uberlândia, Instituto de Biologia

25th Anniversary Symposium, Biological Dynamics of Forest Fragments Project

Symposium on Amazonian Ecology & Conservation, ATBC 2004

2003 University of Montana, Division of Biological Sciences

University of Florida, Dept. of Botany

	Universidade Federal do Acre , Symposium on Sustainable Development
	National Science Board, Broadening Minority Participation in S&E Research & Education Workshop
	Symposium on Emerging Threats in Tropical Forests, ATBC 2003
2002	University of South Florida, Dept. of Biology
2001	University of Florida, Dept. of Wildlife Ecology & Conservation
	University of Florida, Center for Latin American Studies
	XIII Encontro de Zoologia do Nordeste, Brazil, Symposium on Habitat Fragmentation in Brazil
	Symposium on the Zingiberales as a Model System,\nAnnual Meeting of the Association for Tropical Biology
1999	Symposium on Fragmentation & Plant-Pollinator Interactions, International Botanical Congress
1998	Smithsonian Institution, National Museum of Natural History, Dept. of Botany
1995	Universidad Autonoma de Baja California, Dept. of Biology

# **INTERVIEWS & MEDIA APPEARANCES**

2022	Nature News, NRC (Netherlands), WIRED Magazine, Fox News Business, The Scientist, Miami Herald, The Florida Independent Alligator
2021	Chronicle for Higher Education, The Florida Independent Alligator, Associated Press, Nightline (ABC)
2020	Washington Post
2019	USA Today, CBC News Network (Canada), The Atlantic, The Verge, MSNBC's Velshi & Ruhle
	WIRED Magazine (2), Mashable, BBC World Service (UK), The Miradas Podcast
2018	Popular Science, Associated Press, National Geographic, Scholastic Classroom Magazines
	Gainesville Sun, Mongabay.com
2017	The Wire (India), Chemistry World, Nature, Gainesville Sun
2016	Chronicle of Higher Education, DailyDot, Nature, Mongabay.com
2014	NPR's Morning Edition/Joe's Big Idea, TV Acre (Rede Globo Rio Branco) Bom Dia Amazônia
	TV Gazetta 'Entrevista com Rogério Wenceslau' (Rede Record Rio Branco), Estado de São Paulo
	Nature.com, WUFT, Science/Science Insider, Howler Soccer Magazine's Dummy Podcast
2013	SciDevNet, WSLR Florida-Caribe Radio Show
2006	The Scientist Magazine, Science Minority Scientists Network
2005	Science's Next Wave, Televisão Universitária, Uberlândia, Folha de São Paulo
2004	Science Magazine's Minority Scientists Network

NPR's Weekend Edition Saturday, BBC World Service Radio 4, Austrian Public Television's Modern Times.

# **PROFESSIONAL DEVELOPMENT**

2002

2013	University of Florida Science Communication Academy
2004	California Academy of Sciences: The Ant Course: Taxonomy & Systematics (Costa Rica)
1996	Organization for Tropical Studies: Tropical Plant Systematics 96-9 (Costa Rica)
1993	University of California Education Abroad Program: Tropical Biology Quarter (Costa Rica)

# **MEMBERSHIPS IN PROFESSIONAL SOCIETIES**

Ecological Society of America Association for Tropical Biology and Conservation British Ecological Society American Association for the Advancement of Science International Society for Scientometrics and Infometrics