

EMILIO MIGUEL BRUNA

Department of Wildlife Ecology & Conservation
University of Florida
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DATE & PLACE OF BIRTH: 2 October 1972, Cd. Juárez, Chihuahua, México (US Citizen).

LANGUAGES: Native fluency in Spanish and English, Fluent in Portuguese

RESEARCH & TEACHING INTERESTS: Plant population and community ecology, plant-animal interactions, tropical conservation and development, research design and methods

PROFESSIONAL APPOINTMENTS:

2007-Present **Associate Professor**, University of Florida
Department of Wildlife Ecology & Conservation & Center for Latin American Studies

2002-2007 **Assistant Professor**, University of Florida
Department of Wildlife Ecology & Conservation & Center for Latin American Studies

2002-Present **Affiliate Professor**, University of Florida
School of Natural Resources & the Environment

2005-Present **Adjunct Professor**, Universidade Federal de Uberlândia, Brazil
Graduate Program in Ecology and Natural Resource Conservation

2001-2002 **NSF Minority Postdoctoral Fellow**, Biological Dynamics of Forest Fragments Project
Instituto Nacional de Pesquisas da Amazônia – Smithsonian Institution

EDUCATION:

Ph.D.	University of California, Davis	Population Biology	2001
M.S.	University of California, San Diego	Biology	1995
B.S.	University of California, San Diego	Ecology, Behavior, & Evolution	1994

California Academy of Sciences: *The Ant Course: taxonomy and systematics* (Costa Rica, 2004).

Organization for Tropical Studies: *Tropical Plant Systematics 96-9* (Costa Rica, 1996)

University of California Education Abroad Program: *Tropical Biology* (Costa Rica, 1993)

AWARDS:

2007 Award for Excellence in Tropical Biology & Conservation, *Biotropica*, ATBC
2005 University of Florida International Educator of the Year (untenured faculty category)
2003 Diversity Scholar, American Institute for Biological Sciences
2002 John L. Harper Young Investigator's Prize, *Journal of Ecology*, British Ecological Society
2000 Best Student Paper Award Finalist, Annual Meeting of the Society for Conservation Biology
1994 Ernest C. Mort Leadership Excellence Award, Revelle College, UC San Diego

FUNDING AWARDS:

David and Lucile Packard Foundation. “*Nitrogen dynamics in Brazil’s Cerrado*” (Grant Number 2008-32691, \$142,198, Principal Investigator with M. Mack and H. Vasconcelos, 2009-2011).

National Science Foundation. “*IGERT in Spatial Ecology & Evolution: Quantitative Training in Biology, Statistics, & Mathematics*”. (\$2,876, 365; PI: B. Bolker; Co-PI’s: E. Bruna, C. Osenberg, M. Martcheva, & M. Christman).

University of Florida International Center. “*International Speakers Program – Support for presentations by Dr. Claudio Padua, 2008 UF Distinguished Alumnus*” (\$1500, with an additional \$3500 in matching funds provided by the Department of Wildlife Ecology and Conservation, Center for Latin American Studies, Tropical Conservation and Development Program, and Institute for Agricultural and Life Sciences).

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)

National Science Foundation Collaborative Grant. “*Mechanisms influencing seedling recruitment and establishment in a fragmented Amazonian landscape*” DEB-0614149 to E. Bruna, University of Florida (\$230,888) and DEB-0614339 to M. Uriarte, Columbia University (\$251,831; 2006-2010).

National Science Foundation Minority Career Advancement Award. “*Linking population and ecosystem ecology: how does nitrogen deposition influence plant demography in tropical savannas?*” (\$174,499; Principal Investigator; 2006-2008).

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).

National Science Foundation Collaborative Grant. “*Elucidating mechanisms of coexistence in a community of ant-plant mutualists*”. DEB-0453631 to E. Bruna, University of Florida (\$245,096) and DEB-0452720 to B. Inouye, Florida State University (\$260,000; 2005-2009).

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; Principal Investigator; 2005-2008).

Conselho Nacional de Desenvolvimento Científico e Tecnológico, Brazil (CNPq). “*Top-down effects on the structure of Cerrado plant communities: the role of seed predation and herbivory by leaf-cutter ants and small mammals*” (R\$ 22,875.74, Co-PI, 2005-2007)

Fundação de Amparo a Pesquisa do Estado de Minas Gerais, Brazil (Fapemig). “*Diversity and conservation of invertebrates in the ‘Triângulo Mineiro’: a case study using ants as bioindicators*” (R\$12,924.13; Senior Collaborator, 2005-2007)

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)

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)

National Science Foundation Research Starter Grant DEB-0309819. “*The effect of forest fragmentation on ant-plant mutualisms.*” \$50,585; Principal Investigator; 2003-2005).

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; Principal Investigator; 2001).

National Science Foundation Minority Postdoctoral Research Fellowship DBI-0109226. “*The effect of forest fragmentation on ant-plant mutualisms*” (\$190,200; 2001).

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).

Awards from the Smithsonian Institution, Manomet Observatory (Kathleen S. Anderson Award), The Wilson Ornithological Society (Paul A. Stewart Award), and the UC Davis Center for Population Biology (Total: \$4590; 1997).

Awards from the Smithsonian Institution and the University of California, Davis (M.E. Mathias Award, Graduate Studies Research Grant, Jastro-Shields Research Award, and Center for Population Biology Summer Research Grant) (Total: \$7270; 1996).

Awards from the Explorer’s Club and the University of California, San Diego (Undergraduate Scholastic Research Grants) (Total: \$1955; 1994-1995).

FELLOWSHIPS & TRAVEL AWARDS:

NSF Minority Postdoctoral Research Fellowship (2001)
NSF International Research Fellowship (2001; declined)
Ford Foundation Dissertation Year Fellowship (2000)
UC Davis Graduate Studies Fellowship (1999)
UC Davis John F. Steindler Graduate Fellowship (1996)
UC Davis Graduate Opportunity Fellowship (1995)
NSF Minority Predoctoral Research Fellowship (1995)
UCSD Howard Hughes Senior Honors Thesis Fellowship (1993)
UCSD Howard Hughes Summer Research Fellowship (1993)

PEER-REVIEWED JOURNAL ARTICLES:

Côrtes, M., V. Gowda, W. J. Kress, E. M. Bruna, M. Uriarte. *In press*. Characterization of 10 microsatellite markers for the understory Amazonian herb *Heliconia acuminata*. ***Molecular Ecology Resources***.

Dáttilo, W..F. C., T. J. Izzo, B. D. Inouye, H. L. Vasconcelos & E. M. Bruna. *In press*. Volatile recognition by *Pheidole minutula* (Myrmicinae), an Amazonian ant-plant specialist. ***Biotropica***.

Callis, K. L., L. R. Christ, J. Resasco, D. W. Armitage, J. D. Ash, T. T. Caughlin, S. F. Clemmensen, S. M. Copeland, T. J. Fullman, R. L. Lynch, C. Olson, R. A. Pruner, E. H. M. Vieira-Neto, R. West-Singh, and E. M. Bruna. *In press*. Improving Wikipedia: educational opportunity and professional responsibility. ***Trends in Ecology and Evolution***.

Bruna, E. M., I. J. Fiske and M. Trager. *In press*. Effect of habitat fragmentation on plant populations: is what we know demographically irrelevant? *Applied Vegetation Science*.

Kainer, K. A. M. DiGiano, A. Duchelle, L. H. O. Wadt, E. M. Bruna, and J. L. Dain. *In press*. Partnering for greater success: Local stakeholders and biological/conservation research in the tropics. *Biotropica*.

Fiske, I., E. M. Bruna, and B. M. Bolker. 2008. Effect of sample size on estimates of population growth rates calculated with matrix models. *PLoS One* 3(8): e3080.

Costa, A. N., H. L. Vasconcelos, E. H. M. Vieira-Neto, and E. M. Bruna. 2008. Do herbivores exert top-down effects in Neotropical savannas? Estimates of biomass consumption by leaf-cutter ants (*Atta* spp.) in a Brazilian Cerrado site. *Journal of Vegetation Science* 19: 849-854.

Bruna, E. M., M. R., Darrigo, A. M. Furuya Pacheco, and H. L. Vasconcelos. 2008. The defensive responses of ant mutualists to plant volatiles are species-specific. *Biological Journal of the Linnean Society* 94:241-249.

Stocks, G., L. Seales, F. Paniagua, E. Maehr, and E. M. Bruna. 2008. The geographical and institutional distribution of ecological research in the tropics. *Biotropica* 40(4): 397-404.

Morris, W. F., C. A. Pfister, S. Tuljapurkar, C. V. Haridas, C. Boggs, M. S. Boyce, E. M. Bruna, D. R. Church, T. Coulson, D. F. Doak, S. Forsyth, J-M. Gaillard, C. C. Horvitz, S. Kalisz, B. E. Kendall, T. M. Knight, C. T. Lee, E. S. Menges. 2008. Longevity can buffer plant and animal populations against changing climatic variability. *Ecology* 89(1): 19-25.

Girão, L. C., A. V. Lopes, M. Tabarelli, and E. M. Bruna. 2007. Changes in tree reproductive traits reduce functional diversity in a fragmented Atlantic Forest landscape. *PLoS One* 9:e908.

De Athayde, Simone Ferreira, G. M. da Silva, J. Kaiabi, M. Kaiabi, H. R. De Souza, E. M. Bruna, and K. Ono. 2006. Participatory management of “Arumã” (*Ischnosiphon gracilis*, Marantaceae) amongst the Kaiabi people in the Brazilian Amazon. *The Journal of Ethnobiology* 26(1): 36-60 [Cover article].

Trager, M. and E. M. Bruna. 2006. Effects of plant age, experimental nutrient addition, and ant occupancy on herbivory in a Neotropical myrmecophyte. *Journal of Ecology* 94: 1156-1163.

Vasconcelos, H. L. E. H. M. Vieira-Neto, F. M. Mundim, and E. M. Bruna. 2006. Roads alter the colonization dynamics of a keystone herbivore in Neotropical savannas. *Biotropica* 38(5):661-665. [Winner of the Award for Excellence in Tropical Biology and Conservation from the ATBC]

Boyce, M. S. C. V. Haridas, C. Lee, and the NCEAS Stochastic Demography Working Group*. 2006. Demography in an increasingly variable world. *Trends in Ecology and Evolution* 21(3): 141-148.

*C. L. Boggs, E. M. Bruna, T. Coulson, D. Doak, J. M. Drake, J-M. Gaillard, C. C. Horvitz, S. Kalisz, B. E. Kendall, T. Knight, E. S. Menges, W. F. Morris, C. A. Pfister, S. D. Tuljapurkar

Kainer, K. A., M. Schmink, J. R. Stepp, H. Covert, E. M. Bruna, J. L. Dain, S. Espinosa, and S. Humphries. 2006. A framework for graduate education for tropical conservation and development. *Conservation Biology* 20(1): 3-13.

Bruna, E. M., and M. B. Nogueira Ribeiro. 2005. The compensatory responses of an understory herb to experimental damage are habitat-dependent. *American Journal of Botany* 92(12): 2101-2106.

Doak, D. F., W. F. Morris, C. A. Pfister, B. Kendall, and E. M. Bruna. 2005. Correctly estimating how environmental stochasticity influences fitness and population growth. *American Naturalist* 166(1): E14-25.

Bruna, E. M. and M. K. Oli. 2005. Demographic consequences of habitat fragmentation for an Amazonian understory plant: analysis of life-table response experiments. *Ecology* 86(7): 1816-1824.

Lapola, D. M., E. M. Bruna, C. G. de Willink, and H. L. Vasconcelos. 2005. Ant-tended hemiptera in Amazonian myrmecophytes: patterns of abundance and implications for mutualism function. *Sociobiology* 46(2): 433-442

Bruna, E. M., H. L. Vasconcelos, and S. Heredia. 2005. The effect of habitat fragmentation on communities of mutualists: a test with Amazonian ants and their host plants. *Biological Conservation* 124(2005): 209-216.

Bruna, E. M. and M. B. Nogueira-Ribeiro. 2005. Regeneration and population structure of *Heliconia acuminata* in Amazonian secondary forests with contrasting land-use histories. *Journal of Tropical Ecology* 21:127-131.

Bruna, E. M., W. J. Kress, F. Marques, and O. F. da Silva. 2004. *Heliconia acuminata* reproductive success is independent of local floral density. *Acta Amazonica* 34(3): 467-471 [Cover article].

Lapola, D. M., E. M. Bruna, and H. L. Vasconcelos. 2004. Amizade tênue: relações mutualísticas entre plantas e formigas na Amazônia. *Ciência Hoje* 34(204): 28-33.

Bruna, E. M., D. M. Lapola, and H. L. Vasconcelos. 2004. Interspecific variation in defensive responses of obligate ant-plant inhabitants: are there consequences for host plants? *Oecologia* 238:558-565.

Nakazono, E., E. M. Bruna, and R. C. G. Mesquita. 2004. Experimental harvesting of Arumã (*Ischnosiphon polyphyllus*, Marantaceae), a nontimber forest product in the central Amazon. *Forest Ecology and Management* 190:219-225.

Lapola, D. M., E. M. Bruna, and H. L. Vasconcelos. 2003. Contrasting induced responses by ants inhabiting *Maieta guianensis* (Melastomataceae). *Biotropica* 35(2):295-300.

Bruna, E. M. 2003. Are plant populations in fragmented habitats recruitment limited? Tests with an Amazonian herb. *Ecology*, 84(4): 932-947.

Bruna, E. M. and W. J. Kress. 2002. Habitat fragmentation and the demographic structure of an Amazonian understory herb (*Heliconia acuminata*). *Conservation Biology*, 16(5): 1256-1266.

Bruna, E. M., O. Nardy, S. Y. Strauss, and S. P. Harrison. 2002. Experimental assessment of *Heliconia acuminata* growth in a fragmented Amazonian landscape. *Journal of Ecology*, 90(4): 639-649. [Winner of the John L. Harper Award from the British Ecological Society].

Bruna, E. M. 2002. Effects of forest fragmentation on *Heliconia acuminata* seedling recruitment in the central Amazon. *Oecologia*, 132:235-243.

Laurance, W.F., T. E. Lovejoy, H. L. Vasconcelos, E. M. Bruna, R. K. Didham, P. C. Stouffer, C. Gascon, R. O. Bierregaard, S. G. Laurance, and E. Sampaio. 2002. Ecosystem decay of Amazonian forest fragments: A 22-year investigation. *Conservation Biology*, 16(3): 605-618.

Hoeksema, J. D. and E. M. Bruna. 2000. Pursuing the big questions about interspecific mutualism: a review of theoretical approaches. *Oecologia*, 125: 321-330.

Bruna, E. M. 1999. Seeds in rainforest fragments. *Nature*, 402:139

Harrison, S. and E. Bruna. 1999. Habitat fragmentation and large-scale conservation: what do we know for sure? *Ecography*, 22: 225-232.

Bruna, E. M., R. N. Fisher, and T. J. Case. 1996. Morphological and genetic evolution appear decoupled in Pacific skinks (*Emoia*). *Proc. Roy. Soc. Lond. B*, 263:681-688 [Cover article].

Bruna, E. M., R. N. Fisher, and T. J. Case. 1996 New evidence of habitat segregation between cryptic species of Pacific skinks (*Emoia cyanura* and *E. impar*). *Copeia*, 1996: 998-1005.

Bruna, E. M., R. N. Fisher, and T. J. Case. 1995. Cryptic species of Pacific skinks (*Emoia*): further support from Mitochondrial DNA sequence data. *Copeia*, 1995: 981-983.

PEER REVIEWED BOOK CHAPTERS:

Vasconcelos, H. L., A. N. Costa, E. H. M. Vieira-Neto, and E. M. Bruna. *In press*. Efeitos da herbivoria por formigas do gênero *Atta* Fabricius, 1804 (Hymenoptera: Formicidae) sobre a vegetação do Cerrado. Pp. 480-494 *In: Insetos Sociais: da biologia a aplicação*. Vilela, E.F.; Santos, I.A.; Schoereder, J.H.; Lino Neto, J.; Campos, L.A.O. & Serrão, J.E. (Eds.). Editora da Univ. Federal de Viçosa. Viçosa, MG.

Bruna E. M. and W. J. Kress. 2005. Forest fragments and tropical plant reproduction in Amazonian Brazil. Pp. 141-146 in G. A. Krupnick and W. J. Kress (eds.) *Plant conservation: a natural history approach*. University of Chicago Press, Chicago, USA.

Bruna, E. M. 2004. Biological impacts of deforestation and fragmentation. Pages 85-90 in *The Encyclopaedia of Forest Sciences*. J. Burley, J Evans, and J Youngquist, (eds.). Elsevier Press, London.

OTHER PROFESSIONAL PUBLICATIONS:

Bruna, E. M. and K. A. Kainer. 2005. A delicate balance in Amazonia. *Science*, 307:1044-1045.

Bruna, E. M. 2003. "For the Love of Nature". *Science's Next Wave Online Magazine* (Invited Essay) [http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2003_10_03/noDOI.8867802540210817703].

Bruna, E. M. 2002. A biologist's guide to fragmenting the Amazon (including why it's a bad idea). *Conservation Biology*, 16(5): 1446-1448. (book review).

MANUSCRIPTS UNDER REVIEW (available upon request):

Bruna, E. M. and A. Segalin de Andrade. Phenotypic plasticity in plant responses to edge effects: experimental test with an Amazonian understory herb. Submitted to *Journal of Ecology*.

Iacona, G. D., L. K. Kirkman, and E. M. Bruna. Effects of resource availability on patterns of ground cover seedling recruitment in a fire maintained savanna. In revision for *Oecologia*.

Izzo, T.J. G. Q. Romero, H. L. Vasconcelos, E. M. Bruna, B. D. Inouye, and P. C. O. Trivelin. Resident ants do not improve nutrition in the ant-plants *Cecropia purpurascens* and *Hirtella myrmecophila* from the Central Amazon: tests using the stable isotope ¹⁵N. In revision for *Journal of Tropical Ecology*

Fiske, I. and E. M. Bruna. Alternative spatial sampling in studies of plant demography: consequences for estimates of population growth rate. In revision for *Plant Ecology*.

Izzo, T. J., E. M. Bruna, H. L. Vasconcelos, and B. D. Inouye. Cooperative colony founding alters the likelihood of interspecific competition between Amazonian plant-ants. In revision for *Insectes Sociaux*.

TEACHING EXPERIENCE:

Instructor, “Tropical Forest Community Ecology” (Graduate, S00)
 Instructor, “Design and Methods of Research in Latin American Studies” (Graduate, F08)
 Instructor, “Plant-Animal Interactions” (Graduate, F04, 06, 08)
 Instructor, “The Ecology and Conservation of Tropical Wildlife” (Undergraduate, S03, F03, 05, 07)
 Instructor, “Research Methods in Tropical Conservation & Development” (Graduate, S03, F03-07)
 Instructor, “Seminar in Wildlife Ecology and Conservation” (Graduate, F03, S04)
 Instructor, Mechanisms of Coexistence in Diverse Communities (Graduate, UFU, 2006)

Guest Lecturer, The Amazon (Graduate, LAS 6290, Spring 2009)
 Guest Lecturer, Principles of Wildlife Ecology and Conservation (Graduate, WIS 6934, Fall 2008)
 Guest Lecturer, Principles of Ecosystem Ecology (Graduate, BOT6935, Fall 2006)
 Guest Lecturer, Wildlife Techniques (Undergraduate, WIS 4945C, Summer 2005)
 Guest Lecturer, Luso-Brazilian Civilization (Undergraduate, POW 3500, Spring 2004)
 Guest Lecturer, Wildlife Population Modeling (Graduate, WIS 6466, Fall 2003, Spring 2006, 2008)
 Guest Lecturer, Population Ecology, INPA (Graduate, 2002, 2003)
 Guest Lecturer, Community Ecology, INPA (Graduate, 2002)
 Resource Faculty, Antioch College Brazilian Ecosystems Semester Abroad (1999, 2001)
 Resource Faculty, OTS 3M course (2001)
 Resource Faculty, OTS Amazonian Ecosystems Course (2001)
 Resource Faculty, Universidade do Amazonas Field Course in Fragmented Landscapes (2000, 2002)

GRADUATE STUDENTS ADVISED:

<u>Student</u>	<u>University/Department</u>	<u>Degree & Date of graduation</u>
Ernane H. M. Vieira Neto	UF, Wildlife Ecology & Conservation	Ph.D.
Christine Lucas	UF, Wildlife Ecology & Conservation	Ph.D.
Antônio Aguiar Neto	UF, Wildlife Ecology & Conservation	Ph.D.
Stella Copeland	UF, Wildlife Ecology & Conservation	M.S.
Cris Follman Jurinitz	Universidade de São Paulo, Ecology	Ph.D.
Gwen Iacona	UF, Wildlife Ecology & Conservation	M.S., 2008
Alana Vaz Ferreira	Univ. Federal de Uberlândia, Ecology	M.S., 2008
Ian Fiske	UF, Wildlife Ecology & Conservation	M.S., 2006
Matthew Trager	UF, Interdisciplinary Ecology	M.S., 2005
Maria B. Nogueira-Ribeiro	Universidade de São Paulo, Ecology	M.S., 2005

GRADUATE STUDENT COMMITTEE SERVICE:

<u>Student</u>	<u>University/Department</u>	<u>Committee, Date of graduation</u>
Dan Thornton	UF, Wildlife Ecology & Conservation	Ph.D. Committee
Margo Stoddard	UF, Wildlife Ecology & Conservation	Ph.D. Committee
C. Seabird McKeon	UF, Zoology	Ph. D. Committee
Alex Jahn	UF, Zoology	Ph.D. Committee
John Poulson	UF, Zoology	Ph.D. Committee
Joanna Tucker	UF, Interdisciplinary Ecology	Ph.D. Committee
Matt Trager	UF, Interdisciplinary Ecology	Ph.D. Committee
Joseph Veldman	UF, Botany	Ph. D. Committee
Christie Klimas	UF, Forest Resources & Conservation	Ph.D. Committee
Silvia Alvarez-Clare	UF, Botany	Ph. D. Committee
Kristen Aaltonen	UF, Wildlife Ecology & Conservation	M. S. Committee
Carly Voight	UF, Latin American Studies	M. S. Committee
Laura Fonseca	UF, Latin American Studies	M. S. Committee
Nathan Marcy	UF, Wildlife Ecology & Conservation	M. S. Committee
Ivan Diaz	UF, Wildlife Ecology & Conservation	Ph.D. Committee, 2008
Christa Zweig	UF, Wildlife Ecology & Conservation	Ph.D. Committee, 2008
Silvia Lomáscolo	UF, Zoology	Ph.D. Committee, 2008
Mariano Rodriguez Cabal	UF, Wildlife Ecology & Conservation	M. S. Committee, 2007
Jennifer Holm	UF, Forest Resources & Conservation	M.S. Committee, 2007
Bonifacio Mostacedo	UF, Botany	Ph.D. Committee, 2007
David Serrano	UF, Entomology	Ph.D. Committee, 2006
Tania Kim	UF, Zoology	M.S. Committee, 2006
Jamie Cotta	UF, Interdisciplinary Ecology	M.S. Committee, 2006
Teresa Cooper	UF, Entomology	M.S. Committee, 2006
Christie Klimas	UF, Forest Resources & Conservation	M.S. Committee, 2006
Silvia Alvarez Clare	UF, Botany	M.S. Committee, 2004
Jennifer Davies	UF, Latin American Studies	M.S. Committee, 2003

EXTERNAL THESIS EXAMINER OR DEFENSE COMMITTEE MEMBER

<u>Student</u>	<u>University/Department</u>	<u>Degree, Date of graduation</u>
Rafael Soares de Arruda	INPA, Brazil	Ph.D. Thesis Examiner, 2008
Ernane Vieira Neto	U. Federal de Uberlândia, Brazil	M.S. Defense, 2008
Simone B. Fontoura	INPA, Brazil	M.S. Thesis Examiner, 2007
Fabiane M. Mundim	U. Federal de Uberlândia, Brazil	B.S. Thesis Defense, 2007
Alan Nilo da Costa	U. Federal de Uberlândia, Brazil	M.S. Defense, 2007
Traci Darnell	University of Florida	Ph.D. Defense, 2006
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
Daniel Mascia Vieira	Universidade de Brasília, Brazil	M.S. Defense, 2002
Thiago Junqueira Izzo	INPA, Brazil	M.S. Proposal Examiner, 2002

UNDERGRADUATE, POSTGRADUATE, AND POSTDOCTORAL SCHOLARS:

<u>Student</u>	<u>Institution</u>	<u>Activity & Date</u>
Paul Gagnon	University of Florida	Postdoctoral Scholar, 2008-Pr
Thiago Izzo	University of Florida & BDFFP	Postdoctoral Scholar, 2005-Pr
Marina Anciães	Columbia University and BDFFP	Postdoctoral Scholar, 2007-Pr
Ariadna V. F. Lopes	Univ. Federal de Pernambuco	Sabbatical Scholar, 2006-2007
Alexandre Oliveira	Universidade de São Paulo	Sabbatical Scholar, 2006
Simone Athayde	Instituto Socioambiental	TCD Professional Visitor, 2004
Fabiane Mundim Ribeiro	Universidade Federal de Uberlandia	Visiting MS Student, 2008
Rita Quitete Portela	Universidade Estadual de Campinas	Visiting PhD Student, 2007
Ernane Vieira Neto	Universidade Federal de Uberlandia	Visiting MS Student, 2007
Paulo Rubim	BDFFP-INPA	Postgraduate Scholar, 2007-Pr
Camilla Castanho	Universidade de São Paulo	Postgraduate Scholar, 2006
Maria Rosa Darrigo	BDFFP-INPA	Postgraduate Scholar 2002-2003
Irina Skinner	University of Florida	UF Senior Honors Thesis, 2009
Ian Fiske	University of Florida	WEC Undergrad Project, 2003
Bridget Chapin	University of Florida	WEC Undergrad Project, 2003
Olavo Nardy	Universidade Estadual Paulista	Senior Thesis Co-advisor, 20

SERVICE TO THE UNIVERSITY AND COLLEGE:

Administrative Council, QSE³ IGERT (2008-Present)
College of Agricultural & Life Sciences Undergraduate Scholarships & Awards Committee (2007-2008)
Unifas Focus Group (Teaching Section), College of Agriculture and Life Sciences (2007)
Unifas Advisory Committee, College of Agriculture and Life Sciences (2006-2007)
Selection Committee, UF International Educator of the Year Award (2006)
Search and Screen Committee, Wildlife Ecology and Conservation Department Head (2006)
Workshop Leader, College of Agriculture and Life Sciences Teaching Enhancement Symposium (2005)
Advisory Council, Amazon Conservation Leadership Initiative (2004-Present).
Commencement Marshall, College of Agricultural and Life Sciences (2004)
Mentor, UF Minority Mentor Program, (2003-2004)
Faculty Trainer, NSF-IGERT on Working Forest in the Tropics (2002-2008)
Steering Committee, Compton Fellowship Program in Environment and Sustainable Development,
Program for Studies in Tropical Conservation (2002-Present)
EAP Selection Committee, Tropical Biology Program (UC San Diego, 1994)

DEPARTMENTAL SERVICE:

Academic Advisor, Tropical Conservation and Development (TCD) Program (2008-Present)
Faculty Advisor, TCD Graduate Student Organization (2008-Present)
Organizing Committee, TCD Strategic Planning Activities (2007-2008)
Graduate Admissions and Fellowship Committee, Center for Latin American Studies (2007)
International Programs Committee, WEC (2006-present)
Graduate Program Committee, WEC (2005-present)
Research Committee, WEC (2005-present)
Selection Committee, PSTC-Compton Fellowships (2006)
Chair, Field Research Grants Committee, Tropical Conservation & Development Program (2004, 2008)
Search and Screen Committee, Asst. Professor of Conservation Genetics, WEC (2004)

Field Research Grants Committee, Tropical Conservation & Development Program (2003)
Seminar Series Coordinator, WEC (2003-2004)
Executive Committee, Tropical Conservation and Development Program (2002-Present)
Fellowship Committee, Tropical Conservation and Develop Program (2003-2005)
Peer Teaching Evaluation Committee for Dr. Madan Oli (2003)
Population Biology Workshop in Ecology co-host and co-organizer (UC Davis, 2000)
Student Representative, Population Biology GRT Executive Committee (UC Davis, 1996-1997)

SERVICE BEYOND THE UNIVERSITY:

Councillor, Association for Tropical Biology & Conservation (2009-2011)
Conservation Committee, Association for Tropical Biology & Conservation (2004-present)
Co-organizer, Symposium on Amazonian Conservation, ATBC Annual Meeting (2004)
National Science Board Workshop on Broadening Minority Participation in Science and Engineering Research and Education, Washington DC (Invited Participant and Speaker, 2003).

EDITORIAL SERVICE:

Board of Editors, *Biotropica* (2007-Present; 18 manuscripts handled to date)
Board of Editors, *Ecology* (2008-Present; 1 manuscript handled to date)
Board of Editors, *Ecological Applications* (2008-Present)

National Science Foundation Proposal Review Panels: DEB Ecology (2005), DEB Population and Evolutionary Processes (2007)

Ad-hoc reviewer for Journals (No. of reviews): *Ecology* (3), *Conservation Biology* (5), *Biological Conservation* (7), *Ecological Applications* (1), *Oecologia* (3), *Journal of Tropical Ecology* (2), *Journal of Ecology* (5), *New Phytologist* (1), *American Naturalist* (1), *Plant Ecology* (2), *Proc. Roy. Soc. Lond. B* (1), *Journal of Applied Ecology* (1), *Biotropica* (4), *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)

Ad-hoc reviewer for the National Science Foundation (No. of reviews): UMEB Program (2), RUI Program (1), Ecological Biology Program (2), AMERICAS Dissertation Improvement Grant (1), NSF Global Scientists and Engineers Program (1), Population and Evolutionary Processes Program (1), International Research Fellowship Program (1)

Other ad-hoc service as a reviewer (No. of reviews): UF FAES/CRIS Project Proposals (1), University of Chicago Press (book chapter; 1), Alfred P. Sloan Foundation Minority Ph.D. Program (3). SNRE Seed Grant and New Faculty Support Grant Programs (5), National Geographic Society (1)

INVITED PRESENTATIONS:

2008 University of Florida, Undergraduate Honors Program
National Science Foundation, RIG-CAA PI Meeting (Panel on Career Planning)
Columbia University, Ecology, Evolution, and Environmental Biology
University of Central Florida, Department of Biology
University of Missouri, Division of Biological Sciences

- 2007 University of California-Riverside, Department of Botany and Plant Sciences
University of California-Riverside, Department of Biology
University of Missouri-St. Louis, Department of Biology
Annual Meeting of the Association for Tropical Biology & Conservation, Symposium on Plant-
Insect Interactions in the Tropics
Petrobras/Washington & Lee Conference on the Environment, Economy and Sustainable
Development Washington and Lee University
University of São Paulo (Brazil), Department of Ecology
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, Brazil
- 2006 Annual Meeting of the Society for the Advancement of Chicanos and Native Americans in
Science, Workshop on Careers in Ecology and Evolution
Joseph W. Jones Ecological Research Center
University of Florida, Department of Zoology
- 2005 Archbold Biological Station
Florida State University, Dept. of Biological Sciences
University of California-Santa Cruz, Dept. of Ecology and Evolution
Annual Meeting of the Association for Tropical Biology & Conservation, Symposium on Habitat
Fragmentation in Tropical Forests
- 2004 University of Florida, H. T. Odum Center for Wetlands
Institute for Ecosystem Studies
Universidade Federal de Uberlândia (Brazil), Instituto de Biologia
Biological Dynamics of Forest Fragments Project 25th Anniversary Symposium, Manaus, Brazil
Annual Meeting of the Association for Tropical Biology & Conservation, Symposium on
Amazonian Ecology and Conservation
- 2003 University of Montana, Division of Biological Sciences
University of Florida, Department of Botany
Symposium on Sustainable Development, Universidade Federal do Acre, Brazil
National Science Board workshop on Broadening Minority Participation in Science and
Engineering Research and Education, Washington DC
Annual Meeting of the Association for Tropical Biology & Conservation, Symposium on
Emerging Threats in Tropical Forests
- 2002 University of South Florida, Department of Biology
- 2001 University of Florida, Department of Wildlife Ecology and Conservation
University of Florida, Center for Latin American Studies
XIII Encontro de Zoologia do Nordeste, Brazil, Symposium on Habitat Fragmentation in Brazil
Annual Meeting of the Assoc. for Tropical Biology, Symposium on the Systematics &
Evolution of the Zingiberales
- 1999 International Botanical Congress, Symposium on Fragmentation & Plant-Pollinator Interactions
1998 Department of Botany, National Museum of Natural History, Smithsonian Institution
1995 Department of Biology, Universidad Autonoma de Baja California, Mexico

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

Ecological Society of America, Association for Tropical Biology and Conservation, Society for
Conservation Biology, Latin American Studies Association, Society for the Advancement of Chicanos
and Native Americans in Science