

MARIANO A. RODRIGUEZ-CABAL

Rubenstein School of Environment and Natural Resources
University of Vermont
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Education

PhD, University of Tennessee (2012)

MSc, University of Florida (2008)

Licentiate in Biological Science, Universidad Nacional del Comahue, Argentina (2003)

Appointments

Assistant Professor, Rubenstein School of Environment and Natural Resources,
University of Vermont (2024 - present)

Research Assistant Professor, Rubenstein School of Environment and Natural
Resources, University of Vermont (2021 - 2024)

Lecturer, University of Michigan (2023 - present)

Independent Researcher (Tenured), INIBIOMA - CONICET, Universidad Nacional del
Comahue, Argentina (2019 - present)

Associate Researcher, INIBIOMA - CONICET, Universidad Nacional del Comahue,
Argentina (2014 - 2019)

Postdoctoral Fellow, Beca Postdoctoral de Reinserción, INIBIOMA - CONICET,
Universidad Nacional del Comahue, Bariloche, Argentina (2013)

Postdoctoral Fellow, Department of Zoology, University of British Columbia (2013)

Senior editorial positions

Editor-in-Chief, Biological Invasions (2024 - present)

Research Highlights Editor, Journal of Animal Ecology (2022 - present)

Books

Elizalde, L., Lescano, N., **Rodriguez-Cabal, M.A.**, Pirk, G. (In press). Climate change and the provision of ant-mediated ecosystem services, in: "Ant responses to climate change: from individuals to ecosystem services". Ed.: Inara R. Leal, Fernanda M. P. Oliveira, Xavier Arnan and Alan Andersen

Barrios-Garcia, M.N, Quintero, C., Sasal, Y., Ballari, S.A., Vitali, A. and **Rodriguez-Cabal, M.A.** (2023). Impact of introduced invasive herbivores in Patagonian forests, in: "Introduced Invasive Mammals of Argentina" SAREM Serie A. Mendoza - Argentina. Pp 95-110.

Peer-reviewed publications

69 publications, ~2100 citations, h-index = 24, i10-index = 44

*Undergraduate, PhD or Postdoctoral student as a first author; §both Senior Authors

2025

Eckberg, J.N., **Rodriguez-Cabal, M.A.**, Barrios-García, M.N. and Sanders, N.J. (2025). Plant Functional Traits, but Not Community Composition, Are Affected by Summer Precipitation and Herbivory in an Old-Field Ecosystem. *Ecology and Evolution*, 15(5), e71399.

Fisher, B., Buchler, O. and **Rodriguez-Cabal, M.A.** (2025). Dam beavers, for a more sustainable world. *Frontiers in Ecology and the Environment*, doi.org/10.1002/fee.2850

Hwang, B. C., Giardina, C. P., Adu-Bredu, S., Barrios-Garcia, M. N.,.....**Rodriguez-Cabal, M.A.**, ... & Metcalfe, D. B. (2025). Insect Herbivory Releases More Nutrients in Warmer and Drier Forests. *Global Biogeochemical Cycles*, DOI: 10.1029/2024GB008367

2024

Hwang, B. C., Giardina, C. P., Adu-Bredu, S., Barrios-Garcia, M. N.,.....**Rodriguez-Cabal, M.A.**, ... & Metcalfe, D. B. (2024). The impact of insect herbivory on biogeochemical cycling in broadleaved forests varies with temperature. *Nature Communications*, 15(1), 6011.

*Torres, A., Kuebbing, S., Stuble, K.L., Catella, S., §Nuñez, M.A. and §**Rodriguez-Cabal, M.A.** (2024). Inverse priority effects: A role for historical contingency during species losses. *Ecology Letters* 27 (1), e14360

*Torres, A., Morán-López, T., §**Rodriguez-Cabal, M.A.** and §Núñez, M. A. (2024). Inverse priority effects: The order and timing of removal of invasive species influence community reassembly. *Journal of Applied Ecology*, 61(1), 51-62.

2023

Lessard, J.-P., Sobral, M., Schleuning, M. and **Rodriguez-Cabal, M.A.** (2023). Editorial. *Ecological Monographs*, 93: e1573.

*Torres, A., Morán-López, T., [§]**Rodriguez-Cabal, M.A.** and [§]Núñez, M.A. (2023). Timing of invasive species removal influences nonnative biotic resistance and trajectories of community reassembly. *Journal of Ecology*, 111 (11), 2342-2356

*Vitali, A., Ruiz-Suarez, S., Vázquez, D.P., Schleuning, M., **Rodriguez-Cabal, M.A.**, Sasal, Y. and Pilosof, S. (2023). Invasive species modulate the structure and stability of a multilayer mutualistic network. *Proceedings of the Royal Society B*, 290(2001), 20230132.

*Vazquez, M.S., Ripa, R.R., [§]**Rodriguez-Cabal, M.A.** and [§]Amico, G.C. (2023). Potential distribution and conservation implications of key marsupials for the Patagonian temperate forest. *Mammalian Biology* 103 (1), 13-21

*Vazquez, M.S., Schenone, L., [§]**Rodriguez-Cabal, M.A.** and [§]Amico, G.C. (2023). Modeling spatio-temporal activity dynamics of the small relict marsupial *Dromiciops gliroides*. *Mammalian Biology*, 103 (1), 1-12

de las Mercedes Guerisoli, M., ... **Rodriguez-Cabal, M.A.** ... and Ojeda, R. (2023). Threatened conservation scientists: The aftermath of an eye-opening publication on rewilding. *Biological Conservation*, 287, 110322.

de las Mercedes Guerisoli, M., ... **Rodriguez-Cabal, M.A.** ... and Ojeda, R. (2023). Reflexiones acerca del “reasilvestramiento” en la argentina. *Mastozoología Neotropical* 30(1), 1-12.

2022

*Chiuffo, M.C., Moyano, J., Policelli, N., Torres, A., Vitali, A., [§]Núñez, M.A. and [§]**Rodriguez-Cabal, M.A.** (2022). Importance of invasion mechanisms varies with abiotic context and plant invader growth form. *Journal of Ecology* doi.org/10.1111/1365-2745.13929

*Vitali, A., Sasal, Y., Vázquez, D.P., Miguel, M.F. and **Rodriguez-Cabal, M.A.** (2022). The disruption of a keystone interaction erodes pollination and seed dispersal networks. *Ecology* doi.org/10.1002/ecy.3547

*Vitali, A., Vázquez, D. P., Miguel, M.F., [§]Sasal, Y. and [§]**Rodriguez-Cabal, M.A.** (2022). A keystone mutualism promotes resistance to invasion. *Journal of Animal Ecology* 91: 74-85.

*Torres, A., [§]**Rodriguez-Cabal, M.A.** and [§]Núñez, M.A. (2022). Do not come late to the party: initial success of nonnative species is contingent on timing of arrival of co-occurring nonnatives. *Biological Invasions*, 24(2), 557-573.

Maron, J.L., Lightfoot, D.C., **Rodriguez-Cabal, M.A.**, Collins, S.L. and Rudgers, J.A. (2022). Climate mediates long-term impacts of rodent exclusion on desert plant communities. *Ecological Monographs* e1497.

*Moyano, J., Essl, F., Heleno, R., Vargas, P., Nuñez, M.A. and **Rodriguez-Cabal, M.A.** (2022) Diaspore traits specialized to animal adhesion and sea current dispersal are positively associated with the naturalization of European plants across the world. *Ecography* 2022(11), e06423. doi.org/10.1111/ecog.06423

Prager, C.M., Classen, A.T., Sundqvist, M.K., Barrios-Garcia, M.N., Cameron, E.K., Chen, L., ... **Rodriguez-Cabal, M.A.**, Wardle, D.A., Wipf, S. and Sanders, N.J. (2022). Integrating natural gradients, experiments, and statistical modeling in a distributed network experiment: An example from the WaRM Network. *Ecology and Evolution* 12(10), e9396. doi.org/10.1002/ece3.9396

*Serra, M.N., Quintero, C., **Rodriguez-Cabal, M.A.**, Martínez, A. S. and Paritsis, J. (2022). Temperature and host plant species affect the performance and immunocompetence of an outbreak defoliator in northwestern Patagonia. *Ecological Entomology*, 47(4), 580-589.

*Vazquez, M.S., [§]**Rodriguez-Cabal, M.A.** and [§]Amico, G.C. (2022). The forest gardener: A marsupial with a key seed-dispersing role in the Patagonia temperate forest. *Ecological Research* DOI: 10.1111/1440-1703.12289

2021

*Moyano, J., [§]**Rodriguez-Cabal, M.A.** and [§]Nuñez, M. A. (2021). Invasive trees rely more on mycorrhizas, countering the ideal-weed hypothesis. *Ecology* 102 (5), e03330

*Motta, L., Vitali, A., Amico, G.C., Garcia, D. and **Rodriguez-Cabal, M.A.** (2021). Post-dispersal seed predation in Patagonia temperate forest depends on habitat patchiness and seed species. *Plant Ecology* 222: 819-827

*Vazquez, M.S., Zamora-Nasca, L.B., [§]**Rodriguez-Cabal, M.A.** and [§]Amico, G.C. (2021). Interactive effects of habitat attributes and predator identity explain avian nest predation patterns. *Emu-Austral Ornithology* 121: 250-260

2020

*Motta, L., Barrios-Garcia, M.N., Ballari, S.A. and **Rodriguez-Cabal, M.A.** (2020). Cross-ecosystem impacts of non-native ungulates on wetland communities. *Biological Invasions* 22: 3283-3291

*Moyano, J., [§]**Rodriguez-Cabal, M.A.** and [§]Nunez, M.A. (2020). Highly invasive tree species are more dependent on mutualisms. *Ecology* 101 (5), e02997

*Moyano, J., Dickie, I., [§]**Rodriguez-Cabal, M.A.** and [§]Nunez, M.A. (2020). Patterns of plant naturalization show that facultative mycorrhizal plants are more likely to succeed outside their native Eurasian ranges. *Ecography* 43: 648-659

2019

Rodriguez-Cabal, M.A., Barrios-Garcia, M.N., Greyson-Gaito, C.J., Slinn, H.L., Tapella, M.P., Vitali, A., Crutsinger, G.M. (2019). Non-native ungulates indirectly impact foliar arthropods but not soil function. *Biological Invasions* 21: 3077-3084

*Moyano, J., Chiuffo, M.C., [§]Nunez, M.A. and [§]**Rodriguez-Cabal, M.A.** (2019). Seed predation does not explain pine invasion success. *Oecologia* 189: 981-991

*Moyano, J., Chiuffo, M.C., Policelli, N., [§]Nunez, M.A. and [§]**Rodriguez-Cabal, M.A.** (2019). The interplay between propagule pressure, seed predation and ectomycorrhizal fungi in plant invasion. *NeoBiota* 42: 45-58

2018

*Chiuffo, M.C., Moyano, J., [§]**Rodriguez-Cabal, M.A.** and [§]Nunez, M.A. (2018). Seed predation of non-native species along a precipitation gradient. *Plant Ecology* 219: 1307-1314

*Torres, A., Alarcón P., [§]**Rodriguez-Cabal, M.A.** and [§]Nunez, M.A. (2018). Secondary invasions hinder the recovery of native communities after the removal of nonnative Pines along a precipitation gradient in Patagonia. *Forests* 9: 394

*Chiuffo, M.C., Policelli, N., Moyano, J., Torres, A., [§]**Rodriguez-Cabal, M.A.** and [§]Nunez, M.A. (2018). Still no evidence that pathogen accumulation can revert the impact of invasive plant species. *Biological Invasions* 20: 9-10

*Vazquez, M.S., **Rodriguez-Cabal, M. A.**, Gonzalez, D.V., Pacheco, G.S. and Amico, G.C. (2018). Different nest predator guild associated to egg size in the Patagonian temperate forest. *Bird Study/Ringing & Migration* 65: 478-483

*Policelli, N., Chiuffo, M.C., Moyano, J., Torres, A., [§]**Rodriguez-Cabal, M.A.** and [§]Nunez, M.A. (2018). Pathogen accumulation cannot undo the impact of invasive species. *Biological Invasions* 20: 1-4

2017

Zenni, R.D., Ziller, S.R., [§]**Rodriguez-Cabal, M.A.** and [§]Nunez, M.A. (2017). Invasion Science in the Developing World: A Response to Ricciardi et al. *Trends in Ecology and Evolution* 32: 807-808

Rodriguez-Cabal, M.A., Barrios-Garcia, M.N., Rudman, S.M., McKown, A. D., Sato, T. and Crutsinger, G.M. (2017). It is about time: genetic variation in the timing of leaf-litter inputs influences aquatic ecosystems. *Freshwater Biology* 62: 356-365

*Slinn, H.L., Barbour, M.A., Crawford, K.M., **Rodriguez-Cabal, M.A.** and Crutsinger, G.M. (2017). Genetic variation in resistance to leaf fungus indirectly affects spider density. *Ecology* 98 (3), 875-881

2016

Barrios-Garcia, M.N., **Rodriguez-Cabal, M.A.**, Rudgers, J.A. and Crutsinger, G.M. (2016). Soil fertilization does not alter plant architectural effects on arthropod communities. *Journal of Plant Ecology*, 10: 800–807

*Guidetti, B.Y., Amico, G.C., Dardanelles, S. and **Rodriguez-Cabal, M.A.** (2016). Artificial perches promotes ecosystems restoration. *Plant Ecology* 217: 935-942

*Greyson-Gaito, C.J., Barbour, M.A., **Rodriguez-Cabal, M.A.**, Crutsinger, G.M. and Henry, G.H.R. (2016). Freedom to move: Arctic caterpillar growth rate increases with access to new willow. *The Canadian Entomologist* 148: 673-682

2015

Rudman, S.M., **Rodriguez-Cabal, M.A.**, Stier, A., Sato, T., Heavyside, J., El-Sabaawi, R.W. and Crutsinger, G.M. (2015). Adaptive genetic variation mediates bottom-up and top-down control in an aquatic ecosystem. *Proc. R. Soc. B* 282 (1812), 20151234

Rodriguez-Cabal, M.A., Gibbons, T., Schulte, P., Barrios-Garcia, M.N. and Crutsinger, G.M. (2015). Comparing functional similarity between a native and an exotic slugs in temperate rain forest of British Columbia. *NeoBiota* 25: 1-14

Barbour, M.A., **Rodriguez-Cabal, M.A.**, Wu, E.T., Julkunen-Tiitto, R., Ritland, C.E., Miscampbell, A.E., Jules, E.S. and Crutsinger, G.M. (2015). Multiple plant traits shape the genetic basis of herbivore community assembly. *Functional Ecology* DOI: 10.1111/1365-2435.12409

Barrios-Garcia, M.N., **Rodriguez-Cabal, M.A.**, González, A.L., and Crutsinger, G.M. (2015). Biogeographical variation in arthropod communities on coyote bush (*Baccharis pilularis*). *Insect Conservation and Diversity* 8: 81-91

2014

Crutsinger, G.M., Rudman, S.M., **Rodriguez-Cabal, M.A.**, McKown, A.D., Sato, T., MacDonald, A.M., Heavyside, J., Geraldles, A., Hart, E.M., LeRoy, C.J. and El-Sabaawi, R.W. (2014). Testing a ‘genes-to-ecosystems’ approach to understanding aquatic-terrestrial linkages. *Molecular Ecology* 23: 5888-5903

Stuble, K.L., Patterson, C.M., **Rodriguez-Cabal, M. A.**, Ribbons, R.R., Dunn, R.R. and Sanders, N.J. (2014). Ant-mediated seed dispersal tolerant of extreme experimental warming. *PeerJ* 2:e286; DOI 10.7717/peerj.286

Crutsinger, G.M., **Rodriguez-Cabal, M.A.**, Roddy, A., Peay, K.G., Bastow, J.L., Kidder, A.G., Dawson, T.E., Fine, P.V.A. and Rudgers, J.A. (2014). Genetic variation within a dominant shrub structures green and brown assemblages and ecosystem processes. *Ecology* 95: 387-398

2013

Rodriguez-Cabal, M.A., Barrios-Garcia, M.N. Amico, G.C., Aizen, M.A. and Sanders, N.J. (2013). Node-by-node disassembly of a mutualistic network driven by species introductions. *Proceedings of the National Academy of Sciences* 110: 16503-16507

Stuble, K.L., Chick, L.D., **Rodriguez-Cabal, M.A.**, Lessard, J.P. and Sanders N.J. (2013) Fire ants are drivers of biodiversity loss: a reply to King and Tschinkel. *Ecological Entomology* 38: 540-542

Kuebbing, S., **Rodriguez-Cabal, M.A.**, Fowler, D., Breza, L., Bailey, J.K. and Schweitzer, J.A. (2013). Resource availability and plant diversity explain the invasion of an exotic grass. *Journal of Plant Ecology* 6: 141-149

Stuble, K.L., **Rodriguez-Cabal, M.A.**, McCormick G.L., Juric I., Dunn, R.R. and Sanders, N.J. (2013). Tradeoffs, competition, and coexistence in eastern deciduous forest ant communities. *Oecologia* 171: 981-992

Rodriguez-Cabal, M. A., Williamson, M. and Simberloff, D. (2013). The establishment success of non-native birds in Hawaii and Britain. *Biological Invasions* 15: 249-252

2012

Fonturbel, F.E., Franco, M., **Rodriguez-Cabal, M.A.**, Amico, G.C. and Rivarola, D. (2012). Ecological consistence across space: a review of the ecological aspects of *Dromiciops gliroides* Thomas in Argentina and Chile. *Naturwissenschaften* 99: 873-881

Rodriguez-Cabal, M.A., Barrios-Garcia, M.N. and Nuñez, M.A. (2012). Positive interactions in ecology: filling the fundamental niche. *Ideas in Ecology and Evolution* 5: 36-41

Rodriguez-Cabal, M.A., Stuble, K.L., Guénard, B., Dunn, R.R. and Sanders, N.J. (2012). Disruption of ant-seed dispersal mutualisms by the invasive Asian needle ant (*Pachycondyla chinensis*). *Biological Invasions* 14: 557-565

2011

Rodriguez-Cabal, M.A. and Branch, L.C. (2011) Influence of habitat factors on the distribution and abundance of a marsupial seed disperser. *Journal of Mammalogy* 92:1245-1252

Amico, G.C., **Rodriguez-Cabal, M.A.** and Aizen, M.A. (2011). Geographic variation in fruit colour is associated with contrasting seed disperser assemblages in a South-Andean mistletoe. *Ecography* 34: 318-326

2010

Trager, M.D., Bhotika, S., Hostetler, J.A., Andrade, G.V., **Rodriguez-Cabal, M.A.**, McKeon, C.S., Osenberg, C.W. and Bolker, B.M. (2010). Benefits for plants in ant-plant protective mutualisms: A meta-analysis. *PLoS ONE* 5(12): e14308.
doi:10.1371/journal.pone.0014308.

2009

Rodriguez-Cabal, M.A., Barrios-Garcia, M.N. and Simberloff, D. (2009). Across island and continents, mammals are more successful invaders than birds (Reply). *Diversity and Distributions* 15: 911-912

Rodriguez-Cabal, M.A., Stuble, K.L., Nunez, M.A. and Sanders, N.J. (2009). Quantitative analysis of the effects of the exotic Argentine ant on seed-dispersal mutualisms. *Biology Letters* 5: 499-502

Garcia, D, **Rodriguez-Cabal, M.A.** and Amico, G.C. (2009). Seed dispersal by a frugivorous marsupial shapes the spatial scale of a mistletoe population. *Journal of Ecology* 97: 217-229

Amico, G.C., **Rodriguez-Cabal, M.A.** and Aizen, M.A. (2009). The potential seed-dispersing role of the arboreal marsupial *Dromiciops gliroides*. *Acta Oecologica* 35: 8-13

2008

Amico, G.C., Garcia, D. and **Rodriguez-Cabal, M.A.** (2008). Scale-dependent habitat selection by endemic tapaculos (Rhinocryptidae) in a South American temperate forest. *Ecologia Austral* 18: 169-180

Rodriguez-Cabal, M.A., Nunez, M.A. and Martínez, A.S. (2008). Quantity versus quality: endemism and protected areas in the temperate forest of South America. *Austral Ecology* 33: 730-736

Rodriguez-Cabal, M.A., Amico, G.C., Aizen, M.A. and Novaro, A.J. (2008). Population characteristics of *Dromiciops gliroides* an endemic marsupial of the temperate forest of Patagonia. *Mammalian Biology* 73: 74-76

2007

Rodriguez-Cabal, M.A., Aizen, M.A. and Novaro, A.J. (2007). Habitat fragmentation disrupts a plant-disperser mutualism in the Temperate Forest of South America. *Biological Conservation* 139: 195-202

Invited publications in the media

Meet the ManhattAnt, the ant that's taken New York's streets by storm. NPR. <https://www.npr.org/2024/08/14/g-s1-16668/manhattant-ant-introduced-species-new-york-invasive-spread> (2024)

Balazote Oliver, A., di Virgilio, A., Tiribelli, F., Vazquez, S., Calzolari, G., Morales, J.M., Rodriguez-Cabal, M.A., Amico, G.A. Monito del monte, abundancia, hábitos, su rol como dispersor de semillas especialmente del quintral. *Revista Huella Verde* (2017)

Kuebbing, S., Simberloff, D., Looockwood, J., Barrios-Garcia, M.N., Felker-Quinn, E., Nunez, M.A., Rodriguez-Cabal, M.A., Souza, L. and Zenni, R.D. Species origins DO matter! *The Scientist* (2011)

Amico, G.C., Rodriguez-Cabal, M.A., Rivarola, M.D. and Morales, J.M. Biología, rol ecológico y estado de conservación del Monito del monte. *Macroscopia* (2011)

Rodriguez-Cabal, M.A., Amico, G.A. and Morales, J.M. Monito del monte al descubierto. *Muy Interante* (2009)

Rodriguez-Cabal, M.A. El monito del Monte. *Ecology # 23. El Cordillerano Newspaper* (2007)

Rodriguez-Cabal, M.A. Habitat assessment for a threatened keystone marsupial in Patagonia. *BP Conservation Leadership Program Newsletter* (2007)

Rodriguez-Cabal, M.A. Monito del monte – Quintral: Una interacción clave para la conservación del bosque templado de Patagonia. *Ecología de los Parques Nacionales. National Park Administration Argentina* (2007)

Teaching

Frequently taught courses

Tropical Ecology in Costa Rica (University of Vermont) (BS course)

Ecology, Ecosystem and Environment (University of Vermont) (BS course)

Field Ecology Practicum (University of Vermont) - (BS course and grad course)

General Ecology (University of Michigan - Biological Station) (BS course)

Ecology of the Biological Invasions (Universidad Nacional del Comahue) (PhD course) - *pro bono*

Additional courses taught as Instructor and Teaching Assistant

Wildlife Ecology (University of Vermont) (BS course)

Insect Ecology (University of British Columbia) (BS course)

General Ecology (University of Tennessee) (BS course)

Humankind in the Biotic (University of Tennessee) (BS course)

Biodiversity (University of Tennessee) (BS course)

Biodiversity Conservation: Global Perspective and Wildlife Issues in a Changing (University of Florida) (BS course)

BioCourses - Patagonia (Organization of Tropical Studies course)

Animal Physiology, Animal Histology and Animal Development (Universidad Nacional del Comahue) (Licentiate in Biological Science)

Biochemistry (Universidad Nacional del Comahue) (Licentiate in Biological Science)

Current undergraduate students

Elli Fuller, Independent studies 2025 (University of Vermont)

Daniela Gonzalez, Licenciature expected 2025 (Universidad Nacional del Comahue, Patagonia, Argentina) [co-advised with Juan Paritsis]

Current graduate students

Tess O'Brien, MSc expected 2025 (University of Vermont) [co-advised with Ana Morales]

Lindsay Haigh, MSc expected 2025 (University of Vermont) [co-advised with M. Noelia Barrios-Garcia]

Maria Paz Tapella, PhD expected 2025 (Universidad Nacional del Comahue) [co-advised with M. Noelia Barrios-Garcia and Carolina Quintero]

Lucia Martinez Retta, PhD expected 2027 (Universidad Nacional del Comahue, Patagonia, Argentina) [co-advised with Sebastian Ballari]

Ailén Dieguez, PhD expected 2030 (Universidad Nacional del Comahue, Patagonia, Argentina) [co-advised with Sebastian Ballari]

Current early career researchers

Dr. Luciana Motta, Research Assistant 2024 - present (Universidad Nacional del Comahue)

Dr. Jaime Moyano, Research Assistant 2022 - present (Universidad Nacional del Comahue) [co-advised with Martin Nunez]

Dr. Mariana Chiuffo, Research Assistant 2019 - present (Universidad Nacional del Comahue) [co-advised with Martin Nunez]

Dr. Valeria Leticia Martin Albarracin, Research Assistant 2023 - present (Universidad Nacional del Comahue) [co-advised with Guillermo Amico]

Previous undergraduate students

Emma Graham, Honors College 2025 (University of Vermont)

Mar Wiltz, Honors College 2025 (University of Vermont) co-advised with M. Noelia Barrios-Garcia

Eric Minogue, Independent studies 2025 (University of Vermont)

Vegas Rockafeller, Independent studies 2025 (University of Vermont)

Bella Linville, Independent studies 2025 (University of Vermont)

Grant Hillmann, Independent studies 2024 (University of Vermont)

Previous graduate students

Maximilian Goldfarb, MSc 2024 (University of Vermont) [co-advised with Jed Murdoch]

Evan Horne, MSc 2024 - Field Naturalist Program (University of Vermont)

Agustin Vitali, PhD 2023 (Universidad Nacional del Comahue)

Soledad Vazquez, PhD 2022 (Universidad Nacional del Comahue) [co-advised with Guillermo Amico]

Agostina Torres, PhD 2022 (Universidad Nacional del Comahue) [co-advised with Martin Nunez]

Jaime Moyano, PhD 2021 (present (Universidad Nacional del Comahue) [co-advised with Martin Nunez]

Previous postdoctoral students

Dr. Virginia Duboscq Carra 2019 - 2023 (Universidad Nacional del Comahue) [co-advise with M. Noelia Barrios-Garcia]

Dr. Luciana Motta, Postdoc 2018 - 2021 (Universidad Nacional del Comahue)

Dr. Maria Noel Serra, Postdoc 2018 - 2020 (Universidad Nacional del Comahue) [co-advise with Juan Paritsis]

Dr. Jaime Moyano, Postdoc 2021 - 2022 (Universidad Nacional del Comahue) [co-advise with Martin Nunez]

Dr. Mariana Chiuffo, Postdoc 2016 - 2018 (Universidad Nacional del Comahue) [co-advise with Martin Nunez]

Service on graduate student committees

Current graduate student committees

Jo Delahunt (University of Vermont, RSENr, MSc expected 2026)

Rachel Cray (University of Vermont, RSENr, PhD expected 2027)

Madelynn Edwards (University of Vermont Department of Plant and Soil Science, PhD expected 2027)

Reed Scott (University of Vermont, RSENr, PhD expected 2025)

Sandra Divan (Universidad Nacional de Cordoba, PhD expected 2025)

Fiorini Facundo (Universidad Nacional del Comahue - CRUB, PhD expected 2025)

Maria Victoria Larrosa (Universidad de Mar del Plata, PhD expected 2027)

Previous graduate student committees

Facundo Barbar (Universidad Nacional del Comahue - CRUB, PhD 2016)

Anahi Fernandez (Universidad Nacional del Comahue - CRUB, PhD 2019)

Ramiro Ripa (Universidad Nacional del Comahue - CRUB, PhD 2020)

Natalia Ines Yela (Universidad Nacional de Cordoba, PhD 2021)

Karen Castro (Universidad de la Patagonia - CENPAT, PhD - project)

Melina Chamorro (Universidad Nacional del Comahue - CRUB, PhD - project)

Candela Eliana Madaschi (Universidad Nacional del Comahue - CRUB, PhD - project)

Lucia Eileen Graham (Universidad Nacional del Comahue - CIEMEP, PhD - project)

Daniela Paula Ortiz (Universidad Nacional del Comahue - CRUB, PhD - project)

External Fundings

Current

McIntire-Stennis 2024: *Managing forests for the future: Identifying and overcoming socio-economic and environmental barriers to climate change mitigation* - **\$603,831** - co-PI - granted

Proyectos de Investigación Plurianuales (PIP) - 2021 - US\$ 20,000

Previous

Proyecto de Investigación Científica y Tecnológico PICT Nº PICT-2016-0560 - US\$31,500 (2017)

Proyecto de Investigación Científica y Tecnológico PICT Nº PICT-2014-2484 - US\$15,150 (2014)

Doctoral Dissertation Improvement Grant - NSF, US\$12,850 (2011)

Wildlife Conservation Society Research Fellow (WCS), US\$7,420 (2006)

Cleveland Metroparks Zoo - Scott Neotropical Fund, US\$3,650 (2006)

EEB Summer Grant - University of Tennessee, total US\$4,000 (2009, 2010 & 2011)

Scholarships & fellowships

Fulbright (2018) - University of Vermont

Fellowship IIE's Monica Mourier Archibald Fund (2005)

Fulbright (2004) - University of Florida

Scholarship Type I of CONICET - National Council of Science and Technology of Argentina - (2004)

Awards

Outstanding Faculty Advisor Award Nominee (2025)

Curriculum Vitæ - Rodriguez-Cabal

Marcia Caldwell Award - University of Vermont (2024)

Career Champion nominee - University of Vermont (2023)

Science Alliance Award (2012)

Excellences in Progress Towards Degree Award - EEB, University of Tennessee (2012)

Outstanding Academic Achievement Award, University of Florida (2006 & 2007)

Jenning's Award, IFAS - University of Florida (2005)

Editorial boards

Subject-matter Editor, Ecological Monographs (2021- present)

Director of Diversity and Mentorship Program, Ecological Monographs (2023 - 2024)

Associate Editor, Journal of Animal Ecology (2016 - 2022)

Associate Editor, Biological Invasions (2020 - 2024)

Subject-matter Editor, Ecology (2021 - 2024)

Reviewer for journals

(~50 journals, ca. 300 manuscripts)

American Naturalist, Austral Ecology, Basic and Applied Ecology, Biological Invasions, Biological Journal of the Linnean Society, Biotropica, Bosque, Diversity and Distributions, Ecography, Ecology, Ecology and Evolution, Ecology Letters, Ecosphere, Evolution, Forest Ecology and Management, Functional Ecology, Global Ecology and Conservation, Integrative Zoology, Italian Journal of Zoology, International Journal of Pest Management, Journal of Applied Ecology, Journal of Arid Environments, Journal of Ecology, Journal of Environmental Management, Journal of Mammalogy, Journal of Thermal Biology, Landscape Ecology, Mammal Review, Mammalian Biology, Mastozoologia Neotropical, Natur Wissenschaften, Oecologia, Oecologia Ausrtalis, Oikos, PeerJ, Perspectives in Plant Ecology, Evolution and Systematic, Plant Ecology, Proceedings of the Royal Society B and Revista de Ecologia Tropical.

Abstracts and contributed papers

Ecological Society of America (>10 papers); British Ecological Society (1 paper); Binational Ecology Meeting Argentina - Chile (4 papers); XVI Congress International Union for the Study of Social Insects - Denmark (1 paper); Taller Iberoamericano sobre degradación de hábitats y funcionamiento de las interacciones planta-animal -

Argentina (2 papers); XVI Meeting of Argentinean Mastozoology Argentina (1 paper);
First Meeting Bosque Llao Llao, S. C. de Bariloche - Argentina (2 papers).

Selected invited seminars and invited lecturer

2024

Sharing your STEM story with students. Talk for 3rd grade – Sustainability Academy – Burlington, VT

Publication project - Professional development workshop for SACNA - University of Vermont

Biodiversity loss - Gettysburg College

2023

Mutualistic Networks - Gettysburg College

2022

Biological Invasions - Gettysburg College

Complex interactions in ecology - University of Michigan Biological Station

2021

Direct and indirect effects of invasive species in Patagonia - Department of Biology - University of New Mexico

How to do Ecology - Gettysburg College

With a little help of my friends: marsupials, mistletoes and hummingbird preserve forests in Patagonia - University of Rhode Island

How to get your paper published: The publication process - Professional development workshop for RGSA - University of Vermont

With a little help of my friends: marsupials, mistletoes and hummingbird preserve forests in Patagonia - eSTEM Faculty Research Meet & Greet - University of Vermont

2018

Cascading impacts of the loss of a keystone interaction - Gund Institute - University of Vermont

2013

Macroecology. Insect Ecology - University of British Columbia - Canada

Biological Invasions. Zoology - University of British Columbia - Canada

2012

Principles of biogeography. Ecology - University of Tennessee

Biogeography. Ecology - University of Tennessee

2011

Direct and indirect effects of invasive species on plant-seed disperser mutualisms.
Universidad Nacional del Comahue – CRUB - S.C. de Bariloche, Argentina

2010

Biogeography. Ecology - University of Tennessee

2007

Monito del monte - quintral: una interacción clave para la conservación del bosque templado de Patagonia. National Parks Administration of Argentina, Headquarters at S.C. de Bariloche, Argentina

Mutualismos del bosque templado de Patagonia. College of Tourism Guide, S.C. de Bariloche, Argentina

Conservación del bosque templado de Patagonia. General public, S.C. de Bariloche, Argentina

Professional service

NSF Panel (2024) - Reviewer

University of Michigan Biological Station - Chair of the Research Review Committee (2024 - present)

Fondo para la Investigación Científica y Tecnológica (FONCyT)

Member ad hoc committee - review panelist, Biodiversity, Ecology, Genetics and Evolution - (2018)

Reviewer - (2014 - present)

Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)

Member - Comisión Asesora de Biología para Becas - Argentina (2019)

Member - Comisión Asesora de Biología para Becas - Argentina (2020)

Reviewer - Ingreso a Carrera de investigador - (2016 - present)

Reviewer - Promotions a Carrera de investigador - (2016 – present)

Fulbright

Fulbright Scholarships - Argentina - (2019 - present)

Departmental/School service

IDEA Committee - Rubenstein School of Environment and Natural Resources (2021 – present)

Vice president of the Graduate Researchers in Ecology, Behavior and Evolution – EEB, University of Tennessee. (2011-2012)

President of the Graduate Researchers in Ecology, Behavior and Evolution – EEB, University of Tennessee. (2010-2011)