

Edson Fiedler Abreu Jr.

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Education

- 2016–2020** Ph.D. in Science (emphasis in Applied Ecology), Universidade de São Paulo, Brazil, with one-year Predoctoral Fellowship at the Smithsonian Conservation Biology's Center for Conservation Genomics.
Dissertation: Phylogenomics, diversification, and biogeography of Neotropical squirrels (Sciurillinae and Sciurinae: Sciurini)
Advisor: Dr. Alexandre R. Percequillo
Abroad supervisor: Dr. Jesús E. Maldonado
- 2011–2014** M.Sc. in Science (emphasis in Applied Ecology), Universidade de São Paulo, Brazil, with Research Abroad Internship at the University of Minnesota.
Thesis: Nonvolant small mammals of Estação Ecológica de Bananal, SP
Advisor: Dr. Alexandre R. Percequillo
Abroad supervisor: Dr. Sharon A. Jansa
- 2004–2009** B.S. in Biological Sciences, Universidade de Santa Cruz do Sul, Brazil
Thesis: Mammalian fauna of medium and large sized in the RPPN of UNISC, RS
Advisor: Dr. Andreas Köhler

Research Fellowships

- 2019–2020** Doctoral Fellowship (GM/GD #165553/2017-0) from Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Brazil.
- 2018** Doctoral Abroad Fellowship (SWE #203692/2017-9) from CNPq, Brazil.
- 2016–2017** Doctoral Fellowship (GM/GD #147145/2016-3) from CNPq, Brazil.
- 2016** Technological Development Fellowship (DTI-C #381225/2016-0) from CNPq, Brazil.
- 2012–2013** Masters Abroad Fellowship (BEPE-MS #12/15928-6) from Fundação de Amparo a Pesquisa do Estado de São Paulo (FAPESP), Brazil.
- 2011–2013** Masters Fellowship (#10/14633-7) from FAPESP, Brazil.
- 2008–2009** Undergraduate Research Fellowship (PIBIC) from CNPq, Brazil.
- 2007–2008** Undergraduate Research Fellowship (PIBIC) from CNPq, Brazil.

Grants and Awards

- 2020** Carol and James Patton Award, American Society of Mammalogists, USA.
- 2019** Best oral presentation (Doctorate) at the X Congresso Brasileiro de Mastozoologia & X Encontro Brasileiro para o Estudo de Quirópteros, Brazil.
- 2018** Collection Study Grant, American Museum of Natural History, USA.
- 2016** Latin American Student Field Research Award, American Society of Mammalogists, USA.

Publications**Articles published in peer-reviewed journals**

1. Teta, P., D'Elía, G., Jayat, J.P., Gonçalves, P.R., Libardi, G.S., de Oliveira, J.A., Moratelli, R., Percequillo, A.R., Prado, J.R., Ortiz, P.E., Hurtado, N., Schiaffini, M.I., **Abreu-Jr, E.F.**, Chiquito, E.A., Giménez, A.L., & Torres, J. 2020. On the distinction and availability of the new taxa proposed by Agnolin et al. 2019. *Mastozoologia Neotropical*, 27(1): 155–171.
<https://doi.org/10.31687/saremMN.20.27.1.0.20>
2. **Abreu-Jr, E.F.**, Pavan, S.E., Tsuchiya, M.T.N., Wilson, D.E., Percequillo, A.R. & Maldonado, J.E. 2020. Spatiotemporal Diversification of Tree Squirrels: Is the South American Invasion and Speciation Really That Recent and Fast? *Frontiers in Ecology and Evolution* 8:230.
<https://doi.org/10.3389/fevo.2020.00230>
3. **Abreu-Jr, E.F.**, Pavan, S.E., Tsuchiya, M.T.N., Wilson, D.E., Percequillo, A.R. & Maldonado, J.E. 2020. Museomics of tree squirrels: a dense taxon sampling of mitogenomes reveals hidden diversity, phenotypic convergence, and the need of a taxonomic overhaul. *BMC Evolutionary Biology* 20: 77.
<https://doi.org/10.1186/s12862-020-01639-y>
4. **Abreu-Júnior, E.F.** & Percequillo, A.R. 2019. Small mammals of the Estação Ecológica de Bananal, southeastern Atlantic Forest, Brazil, with description of a new species of *Brucepattersonius* (Rodentia, Sigmodontinae). *Arquivos de Zoologia* 50(1): 1–116. <https://doi.org/10.11606/2176-7793/2019.50.01>
5. Santos, P.M., Bocchiglieri, A., Chiarello, A.G., Paglia, A.P., Moreira, A., de Souza, A.C., Abba, A.M., Paviolo, A., Gatica, A., Medeiro, A.Z., et al. 2019. NEOTROPICAL XENARTHTRANS: a data set of occurrence of xenarthran species in the Neotropics. *Ecology* 100(7):e02663.
<https://doi.org/10.1002/ecy.2663>
6. **Abreu-Júnior, E.F.**, Percequillo, A.R., Geise, L., Leite, Y.L.R. & Loss, A.C. 2018. Unveiling the identity of Kerr's Atlantic tree rat, *Phyllomys kerri* (Rodentia, Echimyidae). *Mammalian Biology* 91: 57–70. <https://doi.org/10.1016/j.mambio.2018.03.008>
7. **Abreu-Júnior, E.F.**, Charters, J.D. & Percequillo, A.R. 2018. The Giant Tree Rat, *Toromys grandis* (Wagner, 1845): new record with range extension and comments on its morphology, biology and conservation. *Mammalia* 82(4): 400–406. <https://doi.org/10.1515/mammalia-2017-0042>
8. Percequillo, A.R., Dalapiccola, J., **Abreu-Júnior, E.F.**, Roth, P.R.O., Ferraz, K.M.P.M. & Chiquito, E.A. 2017. How many species of mammals are there in Brazil? New records of rare rodents (Rodentia: Cricetidae: Sigmodontinae) from Amazonia raise the current known diversity. *PeerJ* 5:e4071. <https://doi.org/10.7717/peerj.4071>
9. Bovendorp, R.S., Villar, N., **Abreu-Júnior, E.F.**, Bello, C., Regolin, A.L., Percequillo, A.R. & Galetti, M. 2017. ATLANTIC SMALL-MAMMAL: a dataset of communities of rodents and marsupials of the Atlantic Forests of South America. *Ecology* 98(8): 2226.
<https://doi.org/10.1002/ecy.1893>
10. **Abreu-Júnior, E.F.**, Brennand, P.G.G. & Percequillo, A.R. 2017. Diversidade de mamíferos do baixo Rio Jufari, Roraima, Brasil. *Papéis Avulsos de Zoologia* 57: 37–55.
<https://doi.org/10.11606/0031-1049.2017.57.05>
11. Percequillo, A.R., Braga, C.A.C., Brandão, M.V., **Abreu-Júnior, E.F.**, Gualda-Barros, J., Lessa, G. M., Pires, M. R. S. & Hingst-Zaher, E. 2017. The genus *Abrawayaomys* Cunha and Cruz, 1979 (Rodentia: Cricetidae: Sigmodontinae): geographic variation and species definition. *Journal of Mammalogy* 98: 438–455. <https://doi.org/10.1093/jmammal/gyw228>
12. **Abreu-Júnior, E.F.**, Freitas, M.A., Lapenta M.J., Venâncio, N.M., França D.P.F. & Percequillo, A.R. 2016. Marsupials and rodents (Didelphimorphia and Rodentia) of upper Rio Acre, with new data on *Oxymycterus inca* Thomas, 1900 from Brazil. *Check List* 12(5): 1956.
<http://dx.doi.org/10.15560/12.5.1956>
13. Prado, J.R., Brennand, P.G.G., Godoy, L.P., Libardi, G.S., **Abreu-Júnior, E.F.**, Roth, P.R.O., Chiquito, E.A. & Percequillo, A.R. 2015. Species richness and areas of endemism of oryzomyine rodents (Cricetidae, Sigmodontinae) in South America: an NDM/VNDM approach. *Journal of Biogeography* 42: 540–551. <https://doi.org/10.1111/jbi.12424>

14. Schuch, M., **Abreu-Júnior, E.F.** & Lobo, E.A. 2012. Water quality of urban streams, Santa Cruz do Sul, Rio Grande do Sul, Brazil, based on physical, chemical and biological analyses. *Bioikos* 26(1): 3–12.
15. Lobo, E.A., Voos, J.G. & **Abreu-Júnior, E.F.** 2011. Utilização de um protocolo de avaliação rápida de impacto ambiental em sistemas lóticos do sul do Brasil. *Caderno de Pesquisa, Série Biologia* 23: 18–32. <http://dx.doi.org/10.17058/cp.v23i1.4726>
16. **Abreu-Júnior, E.F.** & Kohler, A. 2009. Mastofauna de médio e grande porte na RPPN da UNISC, RS, Brasil. *Biota Neotropica* 9(4): 169-174. <http://dx.doi.org/10.1590/S1676-06032009000400017>
17. **Abreu-Júnior, E.F.**, Sühs, R.B., Kohler, A. & Putzke, J. 2007. Ocorrência de *Mazama nana* Hensel, 1872 no Cinturão Verde de Santa Cruz do Sul, RS, Brasil. *Caderno de Pesquisa, Série Biologia* 19: 82–85.

Books

1. Percequillo, A.R., Simões, D.R., Alteff, E.F., **Abreu-Júnior, E.F.**, Libardi, G.S., Gomes, I.B.S.R., Prado, J.R., Coragem, J.T., Silveira, L.F., Stolti, L.F., Turci, L.C.B., Bernardes, M.L., Brennand, P.G.G. & Bovendorp, R.S. 2011. *UHE Santo Antônio: Guia das espécies de fauna resgatadas*. 1 ed. vol. 1. Scriba Comunicação Corporativa, Porto Velho, 328p.

Book Chapters

1. Percequillo, A.R., **Abreu-Júnior, E.F.**, Bovendorp, R.S., Brennand, P.G.G., Chiquito, E.A., Correa, L.S., Godoy, L.P., Libardi, G.S., Prado, J.R., Roth, P.R.O. & Salles, V.L. 2015. Roedores sigmodontíneos da Amazônia brasileira: composição, distribuição geográfica e diagnoses. In: *Pequenos Mamíferos Não-voadores da Amazônia Brasileira*, edited by Ana C. Mendes-Oliveira and Cleuton L. Miranda. Série Livros 2. Rio de Janeiro, Sociedade Brasileira de Mastozoologia, p. 149–186.
2. **Abreu-Júnior, E.F.**, Brennand, P.G.G., Chiquito, E.A., Jorge-Rodrigues, C.R., Libardi, G.S., Prado, J.R. & Percequillo, A.R. 2012. Dimorfismo sexual na Tribo Oryzomyini. In: *Mamíferos do Brasil: Genética, Sistemática, Ecologia e Conservação*, edited by Thales R. O. Freitas and Emerson M. Vieira. 1 ed. vol. 2. Rio de Janeiro, Sociedade Brasileira de Mastozoologia, p. 115-134.

Presentations

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| 2019 | Abreu-Jr, E.F. , Pavan, S.E., Tsuchiya, M.T.N., Wilson, D.E., Percequillo, A.R. & Maldonado, J.E. Mitochondrial phylogenomics of Neotropical tree squirrels (Sciuridae, Sciurini). 10º Congresso Brasileiro de Mastozoologia & 10º Encontro Brasileiro para o Estudo de Quirópteros, September 9-13, Águas de Lindóia, SP, Brazil. |
| 2018 | Abreu-Jr, E.F. , Pavan, S.E., Tsuchiya, M.T.N., Percequillo, A.R. & Maldonado, J.E. Phylogenomics of South American tree squirrels: Tracing their evolutionary history through mitogenomes from museum specimens. Poster. 98th Annual Meetings of the American Society of Mammalogist, June 25-30, Manhattan, KS, United States. |
| 2014 | Abreu Júnior, E.F. , Jansa, S.A. & Percequillo A.R. Phylogeography of <i>Euryoryzomys russatus</i> (Rodentia: Cricetidae: Sigmodontinae) in the Atlantic Forest. 7º Congresso Brasileiro de Mastozoologia, September 22-26, Gramado, RS, Brazil. |
| 2012 | Abreu-Júnior, E.F. & Percequillo A.R. Riqueza de pequenos mamíferos não-voadores na Estação Ecológica de Bananal: uma abordagem comparative. 6º Congresso Brasileiro de Mastozoologia, June 25-29, Corumbá, MS, Brazil. |

Relevant Research and Professional Experience

Society Affiliation and Service

2012–present	Sociedade Brasileira de Mastozoologia (SBMz) Member of the Board of Directors 2019/2021 Chair of the Taxonomic Committee 2020/present
2016–present	American Society of Mammalogists (ASM) Member of the Biodiversity Committee 2018/present
2018–2019	Society for the Study of Evolution (SEE)

Invited Workshops and Talks

2010	“Field sampling, identification, and museum preparation of mammals”. Workshop to undergrad students from the Universidade de Santa Cruz do Sul, Brazil.
2017	“Small mammals of the Atlantic Forest: Diversity and Endemism”. Talk to undergrad students from the Universidade de Sorocaba, Brazil.
2019	“Museomics: a new approach on the systematics and taxonomy of Neotropical mammals”. Talk at the X Congresso Brasileiro de Mastozoologia and X Encontro Brasileiro para o Estudo de Quirópteros, Brazil.
2020	“Systematics in the museomics era: diversity of Neotropical squirrels”. Talk at the XXXIII Congresso Brasileiro de Zoologia, Brazil.

Field Expeditions

I have joined several field expeditions in Brazil and one in Peru. The five most remarkable, due to the long duration and sampling on remote and unexplored areas, are listed below:

Parque Nacional del Río Abiseo, San Martín, Peru. Survey of small mammals in cloud forests on the eastern side of the Andes. August-September, 2018.

Rio Purus, Amazonas, Brazil. Survey of small mammals along both banks of the lower Rio Purus. February-March/2017.

Rio Japurá, Amazonas, Brazil. Survey of mammals along both banks of the mid-lower Rio Japurá. March-April/2014.

Rio Jufari, Roraima, Brazil. Survey of mammals in the lower Rio Jufari. August-September/2011.

Pará, Brazil. Survey of mammals in different sites along both banks of the mid Rio Xingu, and in the Southeastern Pará. February/2010, January-February/2015, July/2017.

Reviewer for Scientific Journals

2020	Biota Neotropica
2020	Boletim da Sociedade Brasileira de Mastozoologia
2020	PeerJ
2019	Mammalia
2018	Journal of Natural History
2015–2016	Checklist