

Bruno Augusto Souza de Medeiros

souzademedeiros@fas.harvard.edu
scholar.harvard.edu/medeiros

Education

- 2011-2018** PhD in Organismic and Evolutionary Biology, Harvard University. Thesis: "The evolution of *Syagrus* palms and their pollinators"
- 2009-2011** MSc in Biological Sciences (Zoology), University of São Paulo (USP). Thesis: "Phylogenetic analysis and systematic revision of the genus *Anchylorhynchus* Schoenherr, 1836 (Curculionidae: Derelomini), using discrete and continuous morphological characters"
- 2003-2009** Teacher Licensure in Biological Sciences, USP
- 2003-2008** Bachelor of Biological Sciences, USP. Thesis: "Insect attraction to artificial lighting, focusing on Coleoptera".
- *Exchange student in 2007 at National Univ. of Cordoba, Argentina

Awards & Grants

- 2016-2017** Jorge Paulo Lemann Fellowship for Research in Brazil – Harvard University
- 2016-2018** Doctoral Dissertation Improvement Grant – National Science Foundation
- 2016** Travel Grant – David Rockefeller Center for Latin American Studies
- 2015** Certificate of Distinction in Teaching – Derek Bok Center for Teaching and Learning, Harvard University
- 2014** Putnam Expedition Grant - Harvard Museum of Comparative Zoology
- 2014** Conference Travel Grant – David Rockefeller Center for Latin American Studies
- 2013** Putnam Expedition Grant - Harvard Museum of Comparative Zoology
- 2012** Summer Travel Grant - David Rockefeller Center for Latin American Studies
- 2009-2011** Master's Fellowship - FAPESP (Fundação de Amparo à Pesquisa do Estado de São Paulo)
- 2005-2006** Scientific Initiation Scholarship - CNPq (Conselho Nacional de Desenvolvimento Científico e Tecnológico)
- 2007-2008** Scientific Initiation Scholarship - FAPESP
- 2007** Santander Scholarship for exchange study in Latin-American and Iberian countries.

Publications

- de Medeiros BAS, Farrell BD.** 2018. Whole-genome amplification in double-digest RADseq results in adequate libraries but fewer sequenced loci. *PeerJ* 6:e5089. DOI: 10.7717/peerj.5089.

- McKenna DD, Clarke DJ, Anderson R, Astrin JJ, Brown S, Chamorro L, Davis SR, **de Medeiros BAS**, del Rio MG, Haran J, Kuschel G, Franz N, Jordal B, Lanteri A, Leschen RAB, Letsch H, Lyal C, Marvaldi A, Mermudes JR, Oberprieler RG, Schütte A, Sequeira A, Shin S, Van Dam MH, Zhang G. 2018. Morphological and molecular perspectives on the phylogeny, evolution, and classification of weevils (Coleoptera: Curculionoidea): Proceedings from the 2016 International Weevil Meeting. *Diversity* 10:64.
- Kim S, **de Medeiros BAS**, Byun BK, Lee S, Kang JH, Lee B, Farrell BD. 2018. West meets East: How do rainforest beetles become circum-Pacific? Evolutionary origin of *Callipogon relictus* and allied species (Cerambycidae: Prioninae) in the New and Old Worlds. *Molecular Phylogenetics and Evolution* 125:163–176. DOI: 10.1016/j.ympev.2018.02.019.
- de Medeiros BAS**, Barghini A, Vanin SA. 2017. Streetlights attract a broad array of beetle species. *Revista Brasileira de Entomologia* 61:74–79. DOI: 10.1016/j.rbe.2016.11.004.
- de Medeiros BAS**, Bená DC, Vanin SA. 2014. Curculio Curculis lupus: biology, behavior and morphology of immatures of the cannibal weevil *Anchylorhynchus eriospathae* G. G. Bondar, 1943. *PeerJ* 2: e502.
- Vanin SA & **de Medeiros BAS**. 2013. A new species of *Sicoderus* Vanin from Bolivia (Coleoptera: Curculionidae: Curculioninae: Otidocephalini). *Zootaxa* 3734: 81–85.
- Valente RM, **de Medeiros BAS**. 2013. A new species of *Anchylorhynchus* Schoenherr (Coleoptera: Curculionidae) from the Amazon, with a record of a new host palm for the genus. *Zootaxa*, 3709(4), 394–400. doi:10.11646/zootaxa.3709.4.6
- de Medeiros BAS**, Núñez-avellaneda LA. 2013. Three new species of *Anchylorhynchus* Schoenherr, 1836 from Colombia (Coleoptera: Curculionidae; Curculioninae; Acalyptini). *Zootaxa*, 3636(2), 394–400. doi:10.11646/zootaxa.3636.2.10
- Barghini A, **de Medeiros BAS**. 2012. UV radiation as an attractor for insects. *Leukos* 9(1):47-56. doi:10.1582/LEUKOS.2012.09.01.003
- Barghini A, **de Medeiros BAS**. 2010. Artificial lighting as a vector attractant and cause of disease diffusion. *Environmental Health Perspectives* 118(11):1503-1506. doi:10.1289/ehp.1002115

Conference oral presentations

2017 Entomology 2017, Denver, CO

Medeiros BAS, Farrell BD. Population divergences of palm flower weevils: Differences between mutualists and antagonists

Church S, Donoughe S, **de Medeiros BAS**. Assembling a database of egg morphologies from 6500+ insect species to test long-standing questions about the evolution of life history strategies

Donoughe S, Church S, Hoffmann J, **de Medeiros BAS**, Rycroft C, Extavour C. Using live-imaging, computational cell modeling, and a large-scale morphological dataset to predict embryological attributes of insect eggs that span eight orders of magnitude in size

2016 XXV International Congress of Entomology, Orlando, USA

Medeiros BAS, Farrell BD. Effects of insect-host interactions on the diversification of palm-associated weevils

- 2015** **Evolution 2015, Guarujá, Brazil**
Medeiros BAS, Farrell BD. Effects of insect-host interaction on population genetic divergences in a community of palm weevils

Conference posters

- 2011** **1st Joint Congress on Evolutionary Biology, Ottawa, Canada**
Medeiros BAS, Farrell, BD. An evaluation of methods of phylogeny reconstruction based on quantitative morphological characters
- 2008** **XXVII Brazilian Congress of Zoology, Curitiba, Brazil**
Medeiros BAS, Vanin SA. Sexual dimorphism in two species of *Parisoschoenus* (Coleoptera: Curculionidae)

Software

de Medeiros BAS. 2018. Matrix Condenser. Available at:
https://github.com/brunoasm/matrix_condenser/

Teaching

- 2013-2017** Teaching Fellow, BIOS158 - Biodiversity of Hispaniola (Harvard Summer School)
- 2016** Workshop on Phylogenetic Systematics – Gorongosa National Park
- 2015** Teaching Fellow, OEB141 - Biogeography (Harvard)
- 2012** Teaching Fellow, OEB10 - Foundations of Biological Diversity (Harvard)
- 2010** Tutor, Online course: Impacts of the Artificial Lighting on the Environment (USP)
- 2010** Teaching Assistant, Diversification and Biogeography of the Neotropical Biota (USP)
- 2010** Teaching Assistant, Evolutionary Biology (USP)
- 2007** Teaching Assistant, Invertebrates II (USP)
- 2006** Teaching Assistant, Evolutionary Processes (USP)
- 2004** Teaching Assistant, Principles of Systematics and Biogeography (USP)
- 2004** Tutor, Preparatory course for university's entrance examinations (USP)

Outreach

- 2015-2017** Member of the Executive Committee, Cambridge Entomological Club.
- 2014-2015** President, Cambridge Entomological Club
- 2013** Participation in the first biological survey of the Gorongosa National Park - Mozambique
- 2012-2013** Vice-President, Cambridge Entomological Club
- 2003-2005** Volunteer, School Visitors Committee (USP)