

Tauana Junqueira Cunha, Ph.D.

Dept. of Organismic & Evolutionary Biology, Harvard University
26 Oxford Street, Cambridge MA 02138
tauanacunha@g.harvard.edu | 617-8528309
<https://tauanacunha.com>

EDUCATION AND RESEARCH EXPERIENCE

2020- Smithsonian Institution Postdoctoral Fellow, Smithsonian Tropical Research Institute (STRI), Panama

Project: The predictive power of life history strategies in the dispersal capacity of marine gastropods

Supervisor: Rachel Collin

2019 Ph.D. in Organismic and Evolutionary Biology, Harvard University

Dissertation: Gastropod phylogeny, biogeography and shell shape evolution

Faculty Advisor: Gonzalo Giribet

2012 Research assistant, University of Sao Paulo

Project: Identification of Sabellidae (Annelida) from Rio de Janeiro, Brazil

Faculty Advisor: João Nogueira

2011 B.Sc. in Biological Sciences, University of Sao Paulo, Brazil

Thesis: Diversity and temporal and spatial distribution of macrofaunal communities associated with seaweeds in Abrolhos, Brazil

Faculty Advisor: Paulo Yukio Gomes Sumida

PUBLICATIONS

1. **Cunha TJ**, Giribet G. 2019. A phylogenomic framework for Vetigastropoda (Mollusca). *bioRxiv* 736447 (<https://doi.org/10.1101/736447>)
2. **Cunha TJ**, Giribet G. 2019 A congruent topology for deep gastropod relationships. *Proceedings of the Royal Society B* 20182776 (<http://dx.doi.org/10.1098/rspb.2018.2776>)
3. **Cunha TJ**, Lemer S, Bouchet P, Kano Y, Giribet G. 2019 Putting keyhole limpets on the map: phylogeny and biogeography of the globally distributed marine family Fissurellidae (Vetigastropoda, Mollusca). *Molecular Phylogenetics and Evolution* 135: 249-269 (<https://doi.org/10.1016/j.ympev.2019.02.008>)
4. **Cunha TJ**, Güth AZ, Bromberg S, Sumida PYG. 2013 Macrofauna associated with the brown algae *Dictyota* spp. (Phaeophyceae, Dictyotaceae) in the Sebastião Gomes Reef and Abrolhos Archipelago, Bahia, Brazil. *Continental Shelf Research* 70: 140-149 (<http://dx.doi.org/10.1016/j.csr.2013.09.001>)

Datasets

1. **Cunha TJ**, Lemer S, Bouchet P, Kano Y, Giribet G. 2019 Supplementary Material for Cunha et al. 2019 Fissurellidae. Harvard Dataverse: <https://doi.org/10.7910/DVN/CJSSLM>

2. **Cunha TJ**, Giribet G. 2019 Supplementary Material for Cunha and Giribet 2019 Gastropoda. Harvard Dataverse: <https://doi.org/10.7910/DVN/O85KLQ>

FUNDING

Fellowships

- 2020** Smithsonian Institution Postdoctoral Fellowship, STRI
2018 Faculty for the Future Fellowship, Schlumberger Foundation
2017 Merit Fellowship, Graduate Society Research Fellowships, Harvard GSAS
2013 Science without Borders Fellowship, CAPES/CNPq, Brazil (declined)
2012 Undergraduate Fellowship, FAPESP, Brazil
2010 Undergraduate Fellowship, FAPESP, Brazil

Research Grants

- 2017** Doctoral Dissertation Improvement Grant, National Science Foundation (\$ 21,970)
2016 Putnam Expedition Grant, Museum of Comparative Zoology (\$ 8,475)
2015 Graduate Student Research Award, Society of Systematic Biologists (\$ 1,500)

AWARDS AND INVITED TALKS

Awards

- 2018** Certificate of Distinction in Teaching, Derek Bok Center, Harvard University
2016 Certificate of Distinction in Teaching, Derek Bok Center, Harvard University
2015 Certificate of Distinction in Teaching, Derek Bok Center, Harvard University
2012 Best R function and help page developed in the course 'R Language in the Analysis of Ecological Data', University of Sao Paulo (<http://tinyurl.com/RGeoBrazil>)

Invited Talks

- 2019** Biogeography and evolution of the shell in marine snails
Institution: EcoEncontros, University of Sao Paulo, Brazil
Institution: Biofórum, State University of Campinas, Brazil
2016 The top diversity in the oceans: evolution of marine snails
Institution: PUB-Boston, USA

CONFERENCES

- 2019 World Congress of Malacology**, Pacific Grove, CA, USA
A congruent topology for deep gastropod relationships (talk)
Shells of vetigastropod snails became shorter and wider in the late Mesozoic and early Cenozoic eras (poster)
2019 Evolution meeting, Providence, USA
Shells of vetigastropod snails became shorter and wider in the late Mesozoic and early Cenozoic eras (poster)

- 2018 Global Invertebrate Genomics Alliance (GIGA III)**, Curaçao
Resolving deep nodes in the gastropod phylogeny (talk)
- 2018 5th International Paleontological Congress (IPC5)**, Paris, France
- 2016 World Congress of Malacology**, Penang, Malaysia
Systematics of the diverse and global gastropod family Fissurellidae (Vetigastropoda) in a time-calibrated phylogeny (talk)
- 2015 Evolution meeting**, Guarujá, Brazil
Systematics of a diverse and global clade of vetigastropods, the keyhole and slit limpets (Fissurellidae, Gastropoda, Mollusca) (poster)
- 2012 Sao Paulo School of Advanced Science – evolution**, Ilhabela, Brazil
Macrofauna associated with the brown algae *Dictyota* spp. (Phaeophyceae, Dictyotaceae) in the Sebastião Gomes Reef and Abrolhos Archipelago, Bahia, Brazil (poster)
- 2010 VI Brazilian Congress of Crustaceans**, Ilhéus, Brazil
Diversity and temporal and spatial distribution of the phytal community associated with the brown algae *Dictyota* spp. in the Sebastião Gomes Reef and Abrolhos Archipelago, Bahia, with emphasis in the Crustacea (poster)

TEACHING AND MENTORING

Graduate courses, TA

- 2018** Invertebrate Zoology, Harvard Extension School
- 2017** Phylogenetics and Phylogeography in the Era of Genomics, Harvard University
- 2013** R Software in the Analysis of Ecological Data, University of Sao Paulo

Undergraduate courses, TA

- 2016** Biology and Evolution of Invertebrate Animals, Harvard University – Lab Instructor
- 2015** Biology and Evolution of Invertebrate Animals, Harvard University – Lab Instructor
- 2010** Invertebrates, University of Sao Paulo
- 2008** Biological Diversity and Phylogeny, University of Sao Paulo

Pedagogical Training

- 2016** Mentoring Workshop, Life Sciences Education Office, Harvard University
- 2014** Derek Bok Center Fall Teaching Conference, Harvard University
- 2012** Teacher Licensure in Biological Sciences, University of Sao Paulo

Mentoring Experience

- 2019** Summer intern from the California State University, Sacramento.
Identification of marine snails and slugs from the Maldives with COI barcoding
- 2017** High school student from the Cambridge Rindge and Latin School in the Marine Science Internship Program at Harvard, Spring term
- 2017** High school student from the St. John's Prep School, Spring term

OUTREACH

Popular Media

- 2016 Cunha TJ.** Were the first animals sponge-like? Complexity in the animal tree of life. Science in the News (<http://tinyurl.com/AnimalTree>)
- 2014 Cunha TJ.** Untangling the spider's web. EvoBites (<http://tinyurl.com/EvoSpiderWeb>)
- 2014 Cunha TJ.** Origins of Eukaryotes: Who are our closest relatives? Science in the News (<http://tinyurl.com/EvoEukaryotes>)

Professional memberships

- 2015-** Society of Systematic Biologists
- 2016-** Unitas Malacologica (Council member, 2019-)
- 2019-** Society for the Study of Evolution

Outreach Activities

- 2016-** Boston Malacological Club member; Social Media committee (2017-19)
- 2012** Biology guide to elementary school groups visiting natural environments e.g. caves and mangroves, Brazil
- 2009** Snorkeling guide at rocky shores to the public visiting the Ilha Anchieta State Park, NGO Ecosteiros, Environmental Education in Coastal Ecosystems, Brazil

FIELD EXPERIENCE

Fieldwork

- 2019** Magoodhoo Island, Maldives
- 2016** Okinawa, Japan
- 2015** Bocas del Toro, Panama
- 2014** Dominican Republic
- 2011** Paraíba, Brazil

Diving Training (PADI)

Advanced Open Water Diver
Enriched Air Diver