

Tauana Junqueira Cunha, Ph.D.
Smithsonian Tropical Research Institute
Naos Laboratories, Bldg. 359, Room 117, Naos Island, Panama
CunhaT@si.edu | <https://tauanacunha.com>

EDUCATION AND RESEARCH EXPERIENCE

- 2020- Smithsonian Institution Postdoctoral Fellow**, Smithsonian Tropical Research Institute (STRI), Panama
Supervisor: Rachel Collin
- 2020** Associate of the Dept. Organismic & Evolutionary Biology, Harvard University
- 2019** **Postdoctoral Fellow**, Harvard University
Supervisor: Gonzalo Giribet
- 2019** **Ph.D. in Organismic & Evolutionary Biology**, Harvard University
Dissertation: Gastropod phylogeny, biogeography and shell shape evolution
Faculty Advisor: Gonzalo Giribet
- 2012** **B.Sc. in Biological Sciences**, University of Sao Paulo, 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>)

FELLOWSHIPS

- 2019** Smithsonian Institution Postdoctoral Fellowship, STRI (2 years)
- 2018** Faculty for the Future Fellowship, Schlumberger Foundation (1 year)
- 2017** Merit Fellowship, Graduate Society Research Fellowships, Harvard GSAS (1 semester)
- 2013** Science without Borders Fellowship, CAPES/CNPq, Brazil (full doctorate, declined)
- 2012 & 2010** Undergraduate Fellowship, FAPESP, Brazil (1 year each)

RESEARCH GRANTS

- 2020** Global Genome Initiative Rolling Grant, Smithsonian Institution (\$ 10,000)
- 2019** Smithsonian Institution Postdoctoral Fellowship – associated grant, STRI (\$ 8,000)
- 2018** Faculty for the Future Fellowship – associated grant, Schlumberger Fdn. (\$ 5,200)

- 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

- 2017, 2016 & 2015** Certificate of Distinction in Teaching, Derek Bok Center, Harvard

CONFERENCES AND PRESENTATIONS

- 2020 Systematics, Biogeography and Evolution meeting (SBE)**, virtual conference
 Invited talk: Congruence and conflict in phylogenomics
- 2020 Naos Science Coffee**, STRI, Panama
 Invited talk: Phylogenomics and biogeography of marine snails
- 2019 Boston Malacological Club**, Boston, MA
 Invited talk: Evolution of gastropods in space and time
- 2019 EcoEncontros**, University of Sao Paulo, Sao Paulo, SP, Brazil
 Invited talk: Biogeography and evolution of the shell in marine snails
- 2019 Biofórum**, State University of Campinas, Campinas, SP, Brazil
 Invited talk: Biogeography and evolution of the shell in marine snails
- 2019 World Congress of Malacology**, Pacific Grove, CA
 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, RI
 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, SP, Brazil
 Systematics of a diverse and global clade of vetigastropods, the keyhole and slit limpets (Fissurellidae, Gastropoda, Mollusca) (poster)
- 2015 Society of Systematic Biologists Standalone Meeting**, Ann Arbor, MI
- 2012 Sao Paulo School of Advanced Science – evolution**, Ilhabela, SP, 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, BA, 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

Instructor

2020 Introduction to R, Smithsonian Tropical Research Institute
http://tauanacunha.com/courses/2020_stri_introR

Teaching Assistant

2018 Invertebrate Zoology, Harvard Extension School
2017 Phylogenetics and Phylogeography in the Era of Genomics, Harvard University
2016 & 2015 Biology & Evolution of Invertebrate Animals, Harvard University, Lab Instructor
2013 R Software in the Analysis of Ecological Data, University of Sao Paulo
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
2013 Teacher Licensure in Biological Sciences, University of Sao Paulo

Mentoring

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

OUTREACH ACTIVITIES

Science Communication

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>)

Other

2020 Contributor to the PhyloPic database of organisms silhouettes (<http://phylopic.org>),
creating original silhouettes for use under a Public Domain license
2016-2019 Boston Malacological Club member; Social Media committee (2017-19)
2012 Biology guide to elementary school groups visiting caves, mangroves etc, Brazil
2009 Snorkeling guide at rocky shores to the public visiting the Ilha Anchieta State Park,
NGO Ecosteiros, Environmental Education in Coastal Ecosystems, Brazil

SERVICE

Professional Memberships

2015- Society of Systematic Biologists

2016- Unitas Malacologica (Council member, 2019-)

2018- Society for the Study of Evolution

Reviewer

Molecular Phylogenetics and Evolution (2)

Organisms Diversity and Evolution (1)

MAJOR EXTRACURRICULAR COURSES/WORKSHOPS

2020 NSF Workshop for Early Career Researchers with NSF Program Directors, ECR²

2020 ArcGIS StoryMaps, Esri the Science of Where, Smithsonian Institution

2020 Introduction to Genome Assembly and Annotation, Smithsonian Institution

2018 Bioinformatic tools for population genomics data, University of Gothenburg, Sven Lovén Centre for Marine Sciences / Tjärnö Marine Laboratory

2015 Phylogenomics Symposium and Software School, Ann Arbor, MI

2012 Sao Paulo School of Advanced Science – evolution, Brazil

2012 Field course: ecology of the Atlantic Forest, University of Sao Paulo

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