

DANIEL YUDI MIYAHARA NAKAMURA

University of São Paulo, SP, Brazil
Phone: +55 (11) 99667-8820 — E-mail: dani_ymn@outlook.com
[Google Scholar](#) — [Research Gate](#)

EDUCATION	University of São Paulo	2022–2028
	Ph.D. in Bioinformatics	
	Internship at the American Museum of Natural History	2024–2025
	• Thesis: Museomics of amphibians: Methodological advances and applications of historical DNA to the systematics of rare and extinct frogs	
	• Advisor: Taran Grant	
	University of São Paulo	2017–2021
	B.S. and Licentiate's degree in Biology	
	• Thesis: Body size, habitat, and sexual selection affect call evolution in Cophomantini (Anura: Hylidae: Hylinae)	
	• Advisor: Paulo Durães Pereira Pinheiro	

PUBLICATIONS Peer-reviewed

9. Nakamura DYM et al. (2025) Historical DNA places an apparently extinct gladiator frog in the phylogeny of the *Boana pulchella* group (Anura: Hylidae). *Herpetologica* **81**:117–133. <https://doi.org/10.1655/Herpetologica-D-24-00036>.
8. Nakamura DYM et al. (2025) Museomics reduces taxonomic inflation in the *Dendropsophus araguaya* complex (Hylinae: Dendropsophini) from the Cerrado. *Journal of Vertebrate Biology* **74(24112)**:1–18. <https://doi.org/10.25225/jvb.24112>.
7. Whitcher C et al. (2025) Phylogenetics, biogeography, and life history evolution in the continentally-distributed treefrog genus *Dendropsophus* (Anura: Hylidae: Hylinae). *Molecular Phylogenetics and Evolution* **204**:108275. doi.org/10.1016/j.ymprev.2024.108275.
6. Nakamura DYM et al. (2025) Body size, habitat, and sexual selection affect call evolution in Cophomantini treefrogs (Anura: Hylidae: Hylinae). *Biological Journal of the Linnean Society* **144(2)**:1–18. doi.org/10.1093/biolinnean/blae036.
5. Pinheiro PDP et al. (2024) Two new species of the *Boana semiguttata* clade (Anura: Hylidae) from the Atlantic Forest of southern Brazil. *South American Journal of Herpetology* **33**:48–68. doi.org/10.2994/SAJH-D-24-00002.1.
4. Nakamura DYM et al. (2024) Procedures for obtaining tissue samples from amphibian and reptile specimens for museomics. *Herpetologia Brasileira* **13(2)**:134–144. doi.org/10.5281/zenodo.14291534
3. Escalona M et al. (2024) Allometric constraint predominates over the acoustic adaptation hypothesis in a radiation of Neotropical treefrogs. *Integrative Zoology*:1–11. doi.org/10.1111/1749-4877.12920
2. Nakamura DYM et al. (2024) Resin foraging interactions in stingless bees: an ecological synthesis using multilayer networks. *Apidologie* **55**:34. doi.org/10.1007/s13592-024-01082-8

1. Albuquerque-Pinna J et al. (2024) Defensive alkaloid variation and palatability in sympatric poison frogs. *Chemoecology* **34**:83–94. doi.org/10.1007/s00049-024-00402-9

Books

1. Kofler S et al. (2021) Projeto *cidadãoASF* - Protocolo de monitoramento de atividade de voo em abelhas sem ferrão utilizando ciência cidadã. Brazil, Santo André, UFABC. 72p. ISBN: 978-6-55-719028-9

In prep

4. **Nakamura DYM**, Wheeler WC, Grant T (In prep.) Preprocessing missing data and partitions in dynamic homology: Applications to Sanger sequences, phylogenomics, and museomics. To be submitted to *Cladistics*.
3. **Nakamura DYM**, Grant T (In prep.) Resampling and optimality-based support in parsimony analyses across dataset sizes: Avoiding spurious maximum support values in phylogenomics. To be submitted to *Biology Letters*.
2. **Nakamura DYM**, Wheeler WC, Grant T (In prep.) The impact of phenomic evidence on phylogenetic analyses dominated by DNA sequences. To be submitted to *Cladistics*.
1. **Nakamura DYM**, Wheeler WC, Grant T (In prep.) *RNODE*: User-friendly tool for comparisons of support and topology between phylogenetic trees. To be submitted to *Cladistics*.

AWARDS

- Best undergraduate presentation 2021
II Ciclo de webinars WDA-LA: Estudiantes, Wildlife Disease Association
- Best undergraduate presentation 2019
XXVI Semana Científica Benjamin Eurico Malucelli, University of São Paulo

RESEARCH FUNDING

- Ph.D. scholarship, R\$202,528.80 August 2022–July 2028
FAPESP (grant 22/02789-0)
- Undergraduate scholarship, R\$9,000.00 January 2021–July 2022
PUB-USP
- Undergraduate scholarship, R\$8,348.40 August 2019–July 2020
FAPESP (grant 19/11096-5)
- Technical support to research, R\$4,800.00 August 2017–July 2018
CNPq (grant 372343/2017-1)

CONGRESS PRESENTATIONS

7. **Nakamura DYM**, Wheeler WC, Grant T (2025) Is morphology still relevant to phylogenetic analyses? MorphoBank Connects.
6. **Nakamura DYM**, Wheeler WC, Grant T (2025) The impact of phenomics on total evidence analyses dominated by DNA sequences. Evolution Meeting, Athens, GA, USA.
5. **Nakamura DYM**, Grant T (2023) Support in phylogenetics: Do resampling metrics predict optimality-based support in parsimony analyses? XXII Workshop of the Graduate Program in Bioinformatics, University of São Paulo, SP, Brazil.
4. Pereira JM, **Nakamura DYM**, Homma MHM, Grant T (2023) The advertisement calls of three species of *Brachycephalus* (Anura: Brachycephalidae) from

southeastern Brazil. X Brazilian Congress of Herpetology, Federal University of Southern Bahia, BA, Brazil.

3. Nakamura DYM, Pinheiro PDP, Lyra ML, Faivovich J, Grant T (2023) Historical DNA places a extinct gladiator frog in the phylogeny of the *Boana pulchella* Group (Anura: Hylidae). X Brazilian Congress of Herpetology, Federal University of Southern Bahia, BA, Brazil.
2. Nakamura DYM (2021) Fibropapillomatosis in sea turtles and the spirorchiid parasites. II Ciclo de webinars, Latin America, Wildlife Disease Association.
1. Nakamura DYM, Zamana RR, Gattamorta MA, Matushima ER (2019) Fibropapillomatosis in sea turtles: are the parasites Spirorchidae (Trematoda: Digenea) possible vectors of *Chelonid alphaherpesvirus 5*? XXVI Semana Científica Benjamin Eurico Malucelli, University of São Paulo, SP, Brazil.

SKILLS

- Bash/Linux (intermediate)
- R (intermediate)
- Python (intermediate)
- Git and GitHub (basic)
- LaTeX (basic)
- Microsoft Office
- Adobe Illustrator, Photoshop, and Premiere

TEACHING

Undergraduate teaching assistant

- BIZ0448 - Animal architecture: Evolution of metazoan body plans 2024
University of São Paulo
- BIZ0212 - Vertebrates 2020, 2023
University of São Paulo
- BIZ0213 - Invertebrates 2021
University of São Paulo
- 0410117 - Philosophy for Biological Sciences 2019
University of São Paulo

Invited lessons

- BIZ5749 - Systematics and evolution of amphibians and reptiles 2022
University of São Paulo
- BIZ0440 - Herpetology 2022
University of São Paulo

OUTREACH

Editorial work

- Reviewer of Anais da Academia Brasileira de Ciências (1x) and 2024–2025
Herpetologia Brasileira (2x)

Organization of public events

- É o Bicho na Remo! 2024
University of São Paulo, São Paulo, Brazil
- Meliponicultura e ciência cidadã 2022
University of São Paulo (EACH-USP), São Paulo, Brazil

Environmental educator

- Internship in the Tamar Environmental Monitoring Program
Project TAMAR, Ubatuba, Brazil 2020
- Monitor in the BioBlitz Program, Natural Geographic Education
Instituto Butantan, São Paulo, Brazil 2018

College prep teacher

- Prefeitura de Jandira, São Paulo, Brazil 2021–2022
- Universidade Cidade de São Paulo (UNICID), São Paulo, Brazil 2017