

**PAULO DURÃES PEREIRA PINHEIRO – CURRICULUM VITAE**

NATIONALITY	Brazilian	<i>Last update: March 27, 2024</i>
CONTACT INFORMATION	Emails: PinheiroP@si.edu pdp.pinheiro@gmail.com	<ul style="list-style-type: none"> <li>· <a href="#">Website</a></li> <li>· <a href="#">Google scholar</a></li> <li>· <a href="#">ORCID: 0000-0003-4398-4380</a></li> <li>· <a href="#">ResearcherID: O-8633-2018</a></li> </ul>
RESEARCH INTERESTS	I am interested in amphibian systematics and taxonomy, dealing especially with Neotropical fauna. Allied to this, I also study the evolution of distinct character systems, dealing with museum specimens and field work.	
CURRENT POSITION	Research scholar — “Peter Buck fellow” — National Museum of Natural History (Smithsonian Institution)	Washington, DC July 2023–present
EDUCATION	<p><b>Universidade Estadual Paulista Júlio de Mesquita Filho, UNESP–Rio Claro, SP, Brazil.</b></p> <p><b>Ph.D. <a href="#">Ciências Biológicas (Zoologia)</a></b> (2013–2017): Contribuições ao Estudo de Taxonomia e Sistemática do Gênero <i>Boana</i>, Gray, 1825 (Anura: Hylidae) / <i>Contributions to the study of taxonomy and systematics of the genus Boana Gray, 1825 (Anura: Hylidae)</i>. Advisor: Julián Faivovich. Co-advisor: Célio Fernando Baptista Haddad. Fellowship: Conselho Nacional de Desenvolvimento Científico e Tecnológico, CNPq, Brazil.</p> <p><b>Universidade Federal de Minas Gerais, UFMG–Belo Horizonte, MG, Brazil.</b></p> <p><b>M.Sc. <a href="#">Zoologia</a></b> (2011–2013): Filogenia morfológica de <i>Hypsiboas</i> (Wagler, 1830) (HYLIDAE: HYLINAE: COPHOMANTINI) com ênfase nos grupos de <i>H. albopunctatus</i> e <i>H. semilineatus</i> sensu Faivovich et al. (2005) / <i>Morphological phylogeny of Hypsiboas (Wagler, 1830) (HYLIDAE: HYLINAE: COPHOMANTINI) with emphasis on the groups of H. albopunctatus and H. semilineatus sensu Faivovich et al. (2005)</i>. Advisor: Paulo Christiano de Anchieta Garcia. Fellowship: Fundação de Amparo à Pesquisa do Estado de Minas Gerais, FAPEMIG, Brazil.</p> <p><b>Bachelor’s degree</b> in Biological Sciences (2006–2010): Descrição do canto, girinos e caracterização miológica e osteológica de <i>Hypsiboas polytaenius</i> (Cope, 1870) (ANURA, HYLIDAE, HYLINAE) / <i>Description of the call, tadpoles, and myological and osteological characterization of Hypsiboas polytaenius (Cope, 1870) (ANURA, HYLIDAE, HYLINAE)</i>. Advisor: Paulo Christiano de Anchieta Garcia.</p>	
PEER REVIEWED PUBLICATIONS	<ol style="list-style-type: none"> <li>1. Nakamura, D.M.Y.; Escalona, M.; <b>Pinheiro, P.D.P.</b> 2024. <a href="#">Body size, habitat, and sexual selection affect call evolution in Cophomantini treefrogs (Anura: Hylidae: Hylinae)</a>. Biological Journal of the Linnean Society. blae036</li> <li>2. Santos, M.T.T.; <b>Pinheiro, P.D.P.</b>; Garcia, P.C.A.; Griffiths, R.A.; Haddad, C.F.B.; Barata, I.M. 2023. <a href="#">A new species of <i>Crossodactylodes</i> from the Espinhaço Mountain Range, Southeastern Brazil (Anura: Leptodactylidae: Paratelmatobiinae)</a>. Herpetologica. 72, 995–1021.</li> </ol>	

3. Luría-Manzano, R.; **Pinheiro, P.D.P.**; Kohlsdorf, T.; Haddad, C.F.B.; Martins, M. **2023**. [Evolution of territoriality in Hylinae treefrogs: ecological and morphological correlates and lineage diversification](#). *Journal of Evolutionary Biology*. 36, 1090–1101.
4. **Pinheiro, P.D.P.**; Blotto, B.L.; Ron, S.R.; Stanley, E.L.; Garcia, P.C.A.; Haddad, C.F.B.; Grant, T.; Faivovich, J. **2022**. [Prepollex diversity and evolution in Cophomantini \(Anura: Hylidae: Hylinae\)](#). *Zoological Journal of the Linnean Society*. 195, 995–1021.
5. **Pinheiro, P.D.P.**; Pezzuti, T.L.; Berneck, B.v.M.; Lyra, M.L.; Lima, R.C.L.; Leite, F.S.F. **2021**. [A new cryptic species of the \*Aplastodiscus albosignatus\* group \(Anura: Hylidae\)](#). *Salamandra*. 57, 27–43.
6. Engel, M.S.; Ceríaco, L.M.P.; Daniel, G.M.; Dellapé, P.M.; Löbl, I.; Marinov, M.; Reis, R.E.; ... **Pinheiro, P.D.P.**; ... Ziegler, T. **2021**. [The taxonomic impediment: a shortage of taxonomists, not the lack of technical approaches](#). *Zoological Journal of the Linnean Society*. 193, 381–387.
7. Faivovich J.; **Pinheiro, P.D.P.**; Lyra, M.L.; Pereyra, M.O.; Baldo, D.; Muñoz, A.; Reichle, S.; Brandão, R.A.; Giaretta, A.A.; Thomé, M.T.; Chaparro, J.C.; Baêta, D.; Widholzer, R.L.; Baldo, J.; Lehr, E.; Wheeler, W.C.; Garcia, P.C.A.; Haddad, C.F.B. **2021**. [Phylogenetic relationships of the \*Boana pulchella\* Group \(Anura: Hylidae\)](#). *Molecular Phylogenetics and Evolution*. 155, 106981.
8. Lyra, M.L.; Lourenço, A.C.C.; **Pinheiro, P.D.P.**; Pezzuti, T.L.; Baêta, D.; Barlow, A.; Hofreiter, M.; Pombal, J.P., Jr.; Haddad, C.F.B.; Faivovich, J. **2020**. [High-throughput DNA sequencing of museum specimens sheds light on the long-missing species of the \*Bokermannohyla claresignata\* group \(Anura: Hylidae: Cophomantini\)](#). *Zoological Journal of the Linnean Society*. 190, 1235–1255.
9. **Pinheiro, P.D.P.**; Carrizo, G.R.; Faivovich, J. **2019**. [The identity of the poorly known treefrog \*Hyla varelae\* Carrizo, 1992 \(Anura: Hylidae\)](#). *Zoologischer Anzeiger*. 283, 186–191.
10. **Pinheiro, P.D.P.**; Kok, P.J.R.; Noonan, B.P.; Means, D.B.; Haddad, C.F.B.; Faivovich, J. **2019**. [A new genus of Cophomantini, with comments on the taxonomic status of \*Boana liliae\* \(Anura, Hylidae\)](#). *Zoological Journal of the Linnean Society*. 185(1), 226–245.
11. **Pinheiro, P.D.P.**; Cintra, C.E.D.; Valdujo, P.H.; Silva, H.L.R.; Martins, I.A.; Silva, N.J., Jr; Garcia, P.C.A. **2018**. [A new species of the \*Boana albopunctata\* group \(Anura: Hylidae\) from the Cerrado of Brazil](#). *South American Journal of Herpetology*. 13(2), 170–182.
12. Magalhães, R.F.; Lacerda, J.V.A.; Reis, L.P.; Garcia, P.C.A.; **Pinheiro, P.D.P.** **2018**. [Sexual dimorphism in \*Bokermannohyla martinsi\* \(Bokermann, 1964\) \(Anura, Hylidae\) with a report of male-male combat](#). *South American Journal of Herpetology*. 13(2), 202–209.
13. Nenda, S.J.; Blotto, B.L.; Pereyra, M.O.; **Pinheiro, P.D.P.**; Giraudo, A.R. **2017**. [Occurrence of \*Tachymenis chilensis chilensis\* \(Schlegel, 1837\) \(Reptilia: Serpentes: Dipsadidae\) and other herpetological fauna from Epu Lauquen Natural Protected Area, Neuquén, Argentina](#). *Check List*: 13(2), 1–5.

14. **Pinheiro, P.D.P.**; Pezzuti, T.L.P.; Leite, F.S.F.; Garcia, P.C.A.; Haddad, C.F.B.; Faivovich, J. **2016**. [A New Species of the \*Hypsiboas pulchellus\* Group from the Serra da Mantiqueira, Southeastern Brazil \(Amphibia: Anura: Hylidae\)](#). *Herpetologica*: 72(3), 256–270.
15. Centeno, F.C.; **Pinheiro, P.D.P.**; Andrade, D.V. **2015**. [Courtship behavior of \*Bokermannohyla alvarengai\*, a waltzing anuran](#). *Herpetological Review*: 46(2), 166–168.
16. Taucce, P.P.G.; **Pinheiro, P.D.P.**; Leite F.S.F.; Garcia, P.C.A. **2015**. [Advertisement call and morphological variation of the poorly known and endemic \*Bokermannohyla juiu\* Faivovich, Lugli, Lourenço and Haddad, 2009 \(Anura: Hylidae\) from Central Bahia, Brazil](#). *Zootaxa*: 3915(1), 099–110.
17. **Pinheiro, P.D.P.**; Faivovich, J.; Langone, J. A.; Kwet, A. **2014**. [The identity of \*Hyla leucotaenia\* Burmeister, 1861 \(Anura: Hylidae\)](#). *Zootaxa*: 3884(2), 179–184.
18. **Pinheiro, P.D.P.**; Taucce, P.P.G.; Leite, F.S.F.; Garcia, P.C.A. **2014**. [The advertisement call of the endemic \*Bokermannohyla martinsi\* \(Bokermann, 1964\) \(Anura: Hylidae\) from southern Espinhaço range, southeastern Brazil](#). *Zootaxa*: 3815 (1), 147–150.
19. **Pinheiro, P.D.P.**; Pezzuti, T. L.; Garcia, P.C.A. **2012**. [The tadpole and vocalizations of \*Hypsiboas polytaenius\* \(Cope, 1870\) \(Anura, Hylidae, Hylinae\)](#). *South American Journal of Herpetology*: 7(2), 123–133.

DEVELOPED  
APPLICATIONS

Leite, F.S.F.; Santos, M.T.T.; **Pinheiro, P.D.P.**; Lacerda, J.V.; Leal, F.; Garcia, P.C.A.; Pezzuti, T.L. **2021**. Anfíbios do Quadrilátero Ferrífero: chaves de identificação para adultos e girinos / *Amphibians of the Iron Quadrangle: identification keys for adults and tadpoles. v1.0*. Accessible at <http://saglab.ufv.br/aqf/chaves/> (also available for free at [Google Play](#) and [Apple Store](#)).

COLLECTION  
EXPERIENCE

**2019–2019**: Curatorial assistance at the Amphibian Collection of Museu de Zoologia da Universidade de São Paulo, São Paulo, SP. Amphibian Assistant Curator: Prof. Taran Grant. *Anuran specimens' identification*. 16 hs per week.

**2008–2013**: Curatorial assistance at the Amphibian Collection of Universidade Federal de Minas Gerais, Belo Horizonte, MG. Curator: Prof. Paulo C. A. Garcia. *Anuran specimens' identification, collection maintenance and organization, specimens' ingress, material loans*. 20 hs per week.

RESEARCH  
EXPERIENCE

**2023–present**: Peter Buck Postdoctoral Fellowship – Understanding the Evolutionary Convergences on the Spine-Shaped Prepollex Among Distinct Groups of Anura (Chordata: Lissamphibia) – (National Museum of Natural History (Smithsonian Institution)). Supervisor: Prof. Kevin de Queiroz.

**2019–2023**: FAPESP (Fundação de Amparo à Pesquisa do Estado de São Paulo) postdoctoral fellowship – #2018/18473-6 – Estudo de Anatomia Comparada e Evolução do Espinho Pré-Póxico em Anura (Chordata: Lissamphibia) / *Study of Comparative Anatomy and Evolution of the Prepollical Spine in Anura (Chordata: Lissamphibia)*. Universidade de São Paulo, São Paulo, SP, Brazil. Supervisor: Prof. Taran Grant.

**2022–2022:** FAPESP (Fundação de Amparo à Pesquisa do Estado de São Paulo) fellowship BEPE (fellowship for research internship abroad) – #2021/13764-5 – Filling the Gaps for the Spine-shaped Prepollex in Frogs: the Carpal Anatomy of Centrolenidae and Microhylidae (Chordata: Lissamphibia: Anura). Supervisor: Prof. Taran Grant. Supervisor abroad: Prof. Rafe Brown, University of Kansas. 6 months (June–December).

**2020–2020:** FAPESP (Fundação de Amparo à Pesquisa do Estado de São Paulo) fellowship BEPE (fellowship for research internship abroad) – #2019/25061-9 – Using Micro-CT Scanning to Study the Morphology and Evolution of the Spine-shaped Prepollex in Anura (Chordata: Lissamphibia). Supervisor: Prof. Taran Grant. Supervisor abroad: Prof. David Blackburn, University of Florida. 6 months (April–September).

**2017–2018:** Support Scholarship BAT1 (Fundação de Amparo à Pesquisa do Estado de Minas Gerais–FAPEMIG). Universidade Federal de Viçosa, Florestal, MG. Supervisor: Prof. Felipe S. F. Leite. *Elaboration of a digital key for identification of anuran species of the Quadrilátero Ferrífero Mountain Region, State of Minas Gerais.*

COMPLEMENTARY  
EDUCATION

**Universidad Nacional de Misiones, Posadas, ARG, 2014:** Métodos Filogenéticos / *Phylogenetic Methods*. Profs.: Diego Baldo, Santiago Catalano, Juan Marcos Mirande. 40hs.

**Universidad Nacional de Tucumán, San Miguel de Tucumán, ARG, 2014:** Morfología de Anuros, Evolución y Función / *Morphology of Anurans, Evolution and Function*. Profs.: Maria Florencia Vera Candiotti, Maria Laura Ponsa. 40hs.

PAST TEACHING  
POSITIONS

**2023** Teacher in the courses “Herpetologia / *Herpetology*” (graduation in Biological Sciences) and “Sistemática e Evolução de Répteis e Anfíbios / *Systematics and Evolution of Reptiles and Amphibians*” (post-graduation in Zoology) given simultaneously. **Departamento de Zoologia, Instituto de Biociências, Universidade de São Paulo.** Other professor: Taran Grant. 120 hs.

**2022** Teacher in the course “Prática em Anatomia Comparada de Vertebrados / Vertebrate Comparative Anatomy Lab” (graduation in Biological Sciences). **Departamento de Zoologia, Instituto de Biociências, Universidade de São Paulo.** Other professors: Mônica T. P. Ragazzo, Taran Grant, and Rachel Montesinos. 64 hs.

**2021** Guest Lecturer in the “Impedimento taxonômico, iniciativa global de taxonomia / *Taxonomic impediment, Taxonomy global initiative*” module of the course “Práticas em taxonomia: do tratamento de dados a publicações / *Practices in taxonomy: from data analyses to publications*” (post-graduation in Zoology). **Departamento de Zoologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais.** Prof. Tiago L. Pezzuti. 2 hs.

**2019** Guest Lecturer: “Evolução do esqueleto da mão em anuros / *Evolution of the anuran hand skeleton*” and “Comunicação Acústica em Anuros / *Acoustic communication in anurans*” in the courses “Herpetologia / *Herpetology*” (graduation in Biological Sciences) and “Sistemática e Evolução de Répteis e Anfíbios / *Systematics and Evolution of Reptiles and Amphibians*” (post-graduation in Zoology) given

simultaneously. **Departamento de Zoologia, Instituto de Biociências, Universidade de São Paulo.** Profs.: Taran Grant and Miguel T. Rodrigues. 4 hs.

**2018** Guest Lecturer: “Comunicação Acústica em Anuros / *Acoustic communication in anurans*” in the course “Sistemática de Anfíbios / *Amphibian Systematics*” (graduate course, Zoology). **Departamento de Zoologia, Instituto de Biociências, Universidade Estadual Paulista-Rio Claro.** Prof.: Julián Faivovich. 2 hs.

**2018** Lecturer: Lab classes of “Chelicerata”, “Crustacea”, and “Annelida” modules of the course “Zoologia II / *Zoology II*” (graduation in Biological Sciences). **Departamento de Zoologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais.** Prof.: Adalberto J. Santos. 12 hs.

**2010** Lecturer in the “Herpetologia / *Herpetology*” module of the course “Seminários em Biologia: Quadrilátero Ferrífero – História Natural, Biodiversidade e Conservação / *Seminars in biology: Iron Quadrangle – Natural history, biodiversity and conservation*” (graduation in Biological Sciences). **Pontifícia Universidade Católica do Estado de Minas Gerais – campus Betim, MG.** Course coordinator: Deila Jordão Franco Sábado. 10 hs.

**2010** Lecturer assistant in the course “Herpetologia / *Herpetology*” (graduation in Biological Sciences). **Departamento de Zoologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais.** Prof.: Paulo C. A. Garcia. 75 hs.

GRADUATE  
TRAINING (CO-  
ADVISOR)

**2023–present Ph.D. Universidade Federal de Minas Gerais (UFMG).** Daniel de Abreu e Melo Moreira. Evolução do dimorfismo sexual em *Bokermannohyla*, com ênfase nas espécies do clado de *B. martinsi* (Hylidae, Anura) / *Sexual dimorphism evolution in Bokermannohyla, focusing on species of the B. martinsi clade (Hylidae, Anura)*. Advisor: Tiago Leite Pezzuti.

**2020–2022 M.Sc. Universidade Federal de São Paulo (UNIFESP).** Aline Candaten. O valor do recurso influencia a evolução do pré-pólex em forma de espinho? Um teste em rãs gladiadoras (Anura: Hylidae: Cophomantini) / *Does the resource value bias the evolution of the spiune-shaped prepollex? A test in the gladiator frogs (Anura: Hylidae: Cophomantini)*. Advisor: Alexandre V. Palaoro.

UNDERGRADUATE  
TRAINING  
(ADVISOR)

**2021 Universidade de São Paulo (USP).** Daniel Yudi Miyahara Nakamura. Evolução do canto de anúncio em Cophomantini (Anura: Hylidae) / *Advertisement call evolution in Cophomantini (Anura, Hylidae)*.

**2017 Universidade Federal de Minas Gerais (UFMG).** Júlia Soares Parreiras: Osteologia de *Myersiohyla neblinaria* (Anura, Hylidae) - uma espécie endêmica dos Tepuis venezuelanos / *Osteology of Myersiohyla neblinaria (Anura, Hylidae) – an endemic species from Venezuelan Tepuis*.

GRADUATE  
COMMITTEES

**2020–2023 Ph.D. Progress Evaluation Committee** (Universidade de São Paulo, USP–São Paulo), Ricardo Luría Manzano. Project: Ecological, evolutionary, and conservation correlates of territoriality in selected lineages of Neotropical hyliid frogs. Advisor: Prof. Márcio Martins (Graduation in Ecology; Biosciences Institute, USP).

**2020 Masters Thesis Committee** (Universidade de São Paulo, USP–Ribeirão Preto), Pedro Marinho (Advisor: Ariovaldo A. Giaretta).

**2019 Ph.D. Dissertation Committee** (Universidade Federal de São Carlos, UFSCar), Suélen Helena Martins Melo (Advisor: Júlio C. Garavello).

**2018 Ph.D. Dissertation Committee** (Universidade Federal de Minas Gerais, UFMG), Filipe Augusto Cavalcanti do Nascimento (Advisor: Paulo C. A. Garcia).

**2018 Masters Thesis Committee** (Universidade de São Paulo, USP–Ribeirão Preto), Rafael Lima Martins (Advisor: Ariovaldo A. Giaretta).

INVITED TALKS	<b>Pinheiro, P.D.P. 2016:</b> Avances en la sistemática del género <i>Hypsiboas</i> Wagler, 1830 (Anura: Hylidae: Cophomantini) / <i>Advances in the systematics of the genus Hypsiboas Wagler, 1830 (Anura: Hylidae: Cophomantini)</i> . I Congreso Argentino-Paraguayo de Herpetología, XVII Congreso Argentino de Herpetología / II Congreso Paraguayo de Herpetología. <b>Symposium:</b> Sistemática y filogenia de anfibios y saurópsidos. Posadas, Argentina/Encarnación, Paraguay. *Talk given in Spanish.
AWARDS	Marie Stopes Travel Award, The Willi Hennig Society, XXXV Annual Meeting of the Willi Henning Society & XII Reunión Argentina de Cladística y Biogeografía—Buenos Aires, ARG, 2016—A Phylogenetic Analysis of <i>Hypsiboas</i> Wagler, 1830 (Amphibia, Anura, Hylidae). US\$ 600.00.
SERVICES TO ACADEMIC COMMUNITY	<b>Ad-hoc Reviewer:</b> <ol style="list-style-type: none"> <li>1. Acta Amazonica</li> <li>2. Acta Biológica Colombiana</li> <li>3. Frontiers in Ecology and Evolution</li> <li>4. Herpetologia Brasileira</li> <li>5. Herpetologica</li> <li>6. Herpetology Notes</li> <li>7. Ichthyology &amp; Herpetology</li> <li>8. Journal of Herpetology</li> <li>9. Memoria de la Fundación La Salle de Ciencias Naturales</li> <li>10. South American Journal of Herpetology</li> <li>11. Zootaxa</li> </ol>
SOCIETY MEMBERSHIPS	<ol style="list-style-type: none"> <li>1. Sociedade Brasileira de Herpetologia (SBH; <i>Brazilian Society of Herpetology</i>)</li> <li>2. Herpetologists' League (HL)</li> </ol>
LANGUAGES	Portuguese: native English: fluent Spanish: fluent