Pedro L. Godoy

Curriculum Vitae

Personal information

Email address pedro-godoy@usp.br

Lab website https://www.macropaleolab.com

Google Scholar: https://scholar.google.co.uk/citations?user=DsTHfl8AAAAJ&hl=en

Professional address Rua do Matão, travessa 14, nº 101, CEP: 05508-090, São Paulo, SP, Brazil.

Career

Current positions:

Jun 2023– *Assistant Professor,*
Department of Zoology, Institute of Biosciences,
University of São Paulo (Brazil).

Sep 2023– Associate Editor, *Journal of Vertebrate Paleontology.*

Past positions:

Jun 2022–Apr 2026 Phylogenetics Editor for the *Journal of Vertebrate Paleontology*.

Jan 2021–May 2025 Research Associate (honorary position), Stony Brook University, USA.

Aug 2022–May 2023 FAPESP Postdoctoral Researcher, University of São Paulo, Brazil.

Feb 2021–Sep 2021 CAPES "Young Talent" Postdoctoral Fellow, Federal University of Paraná, Brazil.

Jan 2019–Jan 2021 NSF Postdoctoral Research Associate, Stony Brook University, USA.

Education

2014–2018 PhD in Earth Sciences (Quantitative Palaeobiology) at the University of Birmingham, UK.
Supervisor: Prof. Richard J. Butler.
Thesis: "*Characterising macroevolutionary patterns within Crocodylomorpha*".

2012–2014 MSc in Comparative Biology at the University of São Paulo, Brazil.
Supervisor: Dr. Max C. Langer.
Thesis: "*Osteology and phylogeny of two fossil Crocodyliformes:* Aplestosuchus sordidus *from the Cretaceous of Brazil, and* Eocaiman cavernensis *from the Eocene of Argentina*".

2007–2011 BSc in Biological Sciences at the University of São Paulo, Brazil.
Supervisor: Dr. Max C. Langer.
Dissertation: "*Evolution of procumbent teeth in Mesoeucrocodylia, with the description of the lower jaw of a juvenile Baurusuchidae (Crocodyliformes, Mesoeucrocodylia)*".

Publications (most relevant contributions highlighted in red)

Peer-reviewed research papers and book chapters

40. (Under review) Ferreira PKI, dos Santos DM, **Godoy PL**. "Taxonomic reappraisal of an itasuchid specimen (Notosuchia, Peirosauria) from the Late Cretaceous of Brazil, with comments on sensorial capacities".

39. (Under review) Ruiz JV, Kyriakouli C, **Godoy PL**, Pinheiro AEP, Brusatte SL, Montefeltro FC, Langer MC. "Digital reconstruction of the mandible of *Sahitisuchus fluminensis*: a case study of imaging and modelling vertebrate fossils".

38. (Under review) Turner AH, Watanabe A, Wilberg EW, Beyl A, Brusatte SL, Dollman K, D'Amore A, **Godoy PL**, Gold MEL, Fonseca PHM, Larsson HCE, Marinho TS, Martinelli AG, Napoli JG, Pol D, Schwab JA, Taubenfeld O, Young MT, Gignac PM. "Brain shape diversification and ecomorphology during the radiation of crocodylomorph archosaurs".

37. (Under review) Rothier PS, Fabre AC, Benson RBJ, Martinez Q, Fabre PH, Anelli V, **Godoy PL**, Hedrick BP, Herrel A. "The evolution of extreme locomotor specialization and the rates of evolutionary transitions in mammals".

36. (Under review) Gearty W, Allen BJ, **Godoy PL**, Chiarenza AA. "Quantifying the impact of fossil age on reconstructing trait evolution using phylogenetic comparative methods".

35. (Under review) Landim FDP, Casali DM, Carrasco TS, Boscaini A, **Godoy PL**. "Extinction selectivity in Neogene and Quaternary sloths associated with biotic traits".

34. Carrasco TS, Pimiento C, Quental TB, **Godoy PL** (2026). "Long-term changes in functional diversity and its implications for mammalian conservation and ecological restoration in a grassland ecosystem". *Functional Ecology*. https://doi.org/10.1111/1365-2435.70378.

33. Paiva ALS, **Godoy PL**, dos Santos DM, Langer MC, Mannion PD (2026). "Phylogenetically-informed estimates of notosuchian (Archosauria, Crocodylomorpha) body size and the challenges of inferring macroevolutionary patterns in extinct groups". *Palaeontology*, e70061.

32. **Godoy PL**, Casali DM, Meachen J, López-Arbarello A, D'Emic, MD (2026). "The reproducibility crisis in phylogenetic analyses". *Journal of Vertebrate Paleontology*, **46**, e2638040.

31. Cidade GM, **Godoy PL,** Amavet P, Cossette A, Solórzano A, Bona P, Angulo-Bedoya M, Balaguera-Reina SA, Rabi M, Pires-Farias I, Figueiredo RG, Ezcurra MD, Bittencourt PS, Brochu CA, Roberto I (2026). "The phylogenetic nomenclature of Caimaninae (Crocodylia, Alligatoroidea)". *Historical Biology*, **38**, 1946-1969.

30. Mayer EL, Silva Junior JCG, Kerber LR, Navarro BA, Bandeira KLN, Cisneros JC, Sousa EP, Pereira AA, Medeiros MA, Lindoso RM, Neto FPC, Aureliano T, Ghilardi AM, **Godoy PL**, Ferreira GS, Langer MC (2026). "A new titanosauriform with European affinities in the Early Cretaceous of Brazil: insights on Somphospondyli phylogeny, histology and biogeography". *Journal of Systematic Palaeontology*, **24**, 2601579.

29. Jones LA, Dean CD, Allen BJ, Drage HB, Flannery-Sutherland JT, Gearty W, Chiarenza AA, Dillon EM, Farina BM, **Godoy PL** (2025). "Ten simple rules to follow when cleaning occurrence data in palaeobiology". *Palaeontology*, **65**, e12599.

28. Dunne EM, Chattopadhyay D, Dean CD, Dillon EM, Dowding EM, **Godoy PL**, Smith JA, Raja NB (2025). "Data equity in paleobiology: Progress, challenges, and future outlook". *Paleobiology*, **51**, 237–249.

27. Ruiz JV, Ferreira GS, Machado FA, Kyriakouli C, **Godoy PL**, Gundlach C, Castro MC, Montefeltro FC (2025). "The lost jackals from the Brazilian caves: insights on the taxonomy and palaeoecology of Pleistocene bush dog *Speothos pacivorus* (Carnivora: Canidae)". *Journal of Vertebrate Paleontology*, **44**, e2438827.

26. Fachini TS, **Godoy PL**, Montefeltro FC, Langer MC (2024). "Cranial morphology and phylogenetic reassessment of *Barreirosuchus franciscoi* (Crocodylomorpha, Notosuchia), a Peirosauria from the Late Cretaceous of Brazil". *The Anatomical Record*, **308**, 736–769.

25. Paiva ALS, **Godoy PL**, Dunne EM, Farnsworth A, Valdes PJ, Lunt DJ, Klein W, Langer MC, Hsiou AS (2024). "The role of the climate on the emergence of giant caimanines (Crocodylia, Alligatoroidea) from the Miocene Western Amazonian region". *Palaeogeography, Palaeoclimatology, Palaeoecology*, **656**, 112582.

24. Bronzati M, Vieceli FM, Botezelli VS, **Godoy PL**, Montefeltro FC, Nassif JPM, Luzete J, Ribeiro D, Yan CYI, Werneburg I, Kohlsdorf T (2024). "Deep time origin of tympanic hearing in crown reptiles". *Current Biology*, **34**, 1–7.

23. Ruiz JV, Queiroz MVL, Martins KC, **Godoy PL**, Iori FV, Montefeltro FC, Bronzati M (2024). "A new Peirosauridae (Crocodyliformes, Notosuchia) from the Adamantina Formation (Bauru Group, Late Cretaceous), with a revised phylogenetic analysis of Sebecia". *The Anatomical Record*, **308**, 574–597.

22. Leardi JM, Pol D, Montefeltro FC, Marinho TS, Ruiz JV, Bravo GG, Pinheiro AEP, **Godoy PL**, Nicholl CSC, Lecuona A, Larsson HCE (2024). "Phylogenetic taxonomy of Notosuchia (Crocodylomorpha; Crocodyliformes)", *Bulletin of Phylogenetic Nomenclature*, **1**, 44–82.

21. Ruiz JV, Kyriakouli C, Hansen C, Gundlach C, Ferreira GS, Machado FA, **Godoy PL**, Castro MC, Montefeltro FC (2024). "The Fossils of *Speothos pacivorus* (Carnivora: Canidae) at the Peter Lund/Quaternary Collection of the Natural History Museum of Denmark". *MorphoMuseuM*, **10**, e229.

20. Alhalabi WA, Bardet N, Sachs S, Kear BP, Joude IB, Yazbek M, **Godoy PL**, Langer MC (2024). "Recovering lost time in Syria: New Late Cretaceous (Coniacian-Santonian) elasmosaurid remains from the Palmyrides mountain chain". *Cretaceous Research*, **159**, 105871.

19. Smith JA, Raja NB, Clements T, Dimitrijević D, Dowding EM, Dunne EM, Gee BM, **Godoy PL**, Lombardi EM, Mulvey LPA, Nätscher PS, Reddin CJ, Shirley B, Warnock RCM, Kocsis AT (2023). "Increasing the equitability of data citation in paleontology: Capacity building for the big data future". *Paleobiology*, **50**, 165–176.

18. Farina BM, **Godoy PL**, Benson RBJ, Langer MC, Ferreira GS (2023). "Turtle body size evolution is determined by lineage-specific specializations rather than global trends". *Ecology and Evolution*, **13**, e10201.

17. Jones LA, Gearty W, Allen BJ, Eichenseer K, Dean CD, Galván S, Kouvari M, **Godoy PL**, Nicholl CSC, Buffan L, Dillon EM, Flannery-Sutherland JT, Chiarenza AA (2023). "palaeoverse: A community-driven R package to support palaeobiological analysis". *Methods in Ecology and Evolution*, **14**, 2205–2215.

16. Wilberg E, **Godoy PL**, Griffiths EF, Turner AH; Benson RBJ (2023). "A new early diverging thalattosuchian (Crocodylomorpha) from the Early Jurassic (Pliensbachian) of Dorset, UK and implications for the origin and evolution of the group". *Journal of Vertebrate Paleontology*, **42**, e2161909.

15. Dunne EM, Farnsworth A, Benson RBJ, **Godoy PL**, Greene SE, Valdes PJ, Lunt DJ, Butler RJ (2022). "Climatic controls on the ecological ascendancy of dinosaurs". *Current Biology*, **33**, 206–214.

14. Fachini TS, **Godoy PL**, Marsola JCA, Montefeltro FC, Langer MC (2022). "A large-sized mesoeucrocodylian from the Late Cretaceous of Brazil with possible neosuchian affinities". *Historical Biology*, **35**, 1817–1830.

13. Paiva ALS, **Godoy PL**, Souza RBB, Klein W, Hsiou AS (2022). "Body size estimation of Caimaninae specimens from the Miocene of South America". *Journal of South American Earth Sciences*, **118**, 103970.

12. Langer MC*, **Godoy PL*** (2022). "So volcanoes created the dinosaurs? A quantitative characterization of the early evolution of terrestrial pan-avians". *Frontiers in Earth Science*, **10**, 899562. (*Joint lead authors).

11. Bestwick J, **Godoy PL**, Maidment, SCR, Ezcurra MD, Wroe M, Raven TJ, Bonsor JA, Butler RJ (2022). "Relative skull size evolution in Mesozoic archosauromorphs: potential drivers and morphological uniqueness of erythrosuchid archosauriforms". *Palaeontology*, **65**, e12599.

10. Benson RBJ, **Godoy PL**, Bronzati M, Butler RJ, Gearty W (2022). "Reconstructed evolutionary patterns for crocodile-line archosaurs demonstrate impact of failure to log-transform body size data". *Communications Biology*, **5**, 171.

9. **Godoy PL**, Turner AH (2020). "Body size evolution in crocodylians and their extinct relatives". *eLS*, **1,** 442–452.

8. **Godoy PL**, Cidade GM, Montefeltro FC, Langer MC, Norell MA (2020). "Redescription and phylogenetic affinities of the caimanine *Eocaiman cavernensis* (Crocodylia, Alligatoroidea) from the Eocene of Argentina". *Papers in Palaeontology*, **7**, 1205–1231.

7. Montefeltro FC, Lautenschlager S, **Godoy PL**, Ferreira GS, Butler RJ (2020). "A unique predator in a unique ecosystem: modelling the apex predator from the Late Cretaceous crocodyliform-dominated fauna in Brazil". *Journal of Anatomy*, **237**, 323–333.

6. **Godoy PL** (2019). "Crocodylomorph cranial shape evolution and its relationship with body size and ecology". *Journal of Evolutionary Biology*, **33**, 4–21.

5. **Godoy PL**, Benson RBJ, Bronzati M, Butler RJ (2019). "The multi-peak adaptive landscape of crocodylomorph body size evolution". *BMC Evolutionary Biology*, **19**, 167.

4. Mannion PD, Chiarenza AA, **Godoy PL**, Cheah YN (2019). "Spatiotemporal sampling patterns in the 230 million year fossil record of terrestrial crocodylomorphs and their impact on diversity". *Palaeontology*, **62**, 615–637.

3. **Godoy PL**, Ferreira GS, Montefeltro FC, Vila Nova BC, Butler RJ, Langer MC (2018). "Evidence for heterochrony in the cranial evolution of fossil crocodyliforms". *Palaeontology*, **61**, 543–558.

2. **Godoy PL***, Bronzati M*, Eltink E, Marsola JCA, Cidade GM, Langer MC, Montefeltro FC (2016). "Postcranial anatomy of *Pissarrachampsa sera* (Crocodyliformes, Baurusuchidae) from the Late Cretaceous of Brazil: phylogenetic significance and comments on lifestyle". *PeerJ*, **4**, e2075. (*Joint lead authors).

1. **Godoy PL**, Montefeltro FC, Norell MA, Langer MC (2014). "An additional baurusuchid from the Cretaceous of Brazil with evidence of interspecific predation among Crocodyliformes". *PLoS ONE*, **9**, e97138.

Science communication, outreach and other publications

4. Bhatia R, Burke J, **Godoy PL**, Sekhon N, Hall C, Sibert E (2022). "A global palaeo-science community: an interview with Pal(a)eoPERCS". *Communications Biology*, **5**, 978.

3. **Godoy PL** (2019). "Climate change created today's large crocodiles". *The Conversation*.

2. Benson RBJ, **Godoy PL** (2019). "Evolution: much on the menu for ancient crocs". *Current Biology*, **29**, PR683–R685.

1. **Godoy PL,** Ferreira GS, Dassie ECG, Morales AC, Hsiou AS (2017). "Continuing education on Paleontology: the experience with the project 'Workshop on Paleontology: fossils inside the classroom'." *Revista de Cultura e Extensão USP*, **17 (supl.)**, 11-19.

Editorial roles and reviews of manuscripts/grant proposals

2025 Grant proposal reviewed for the Polish National Science Centre (Poland).

2024– Grant proposals reviewed for São Paulo Research Foundation (FAPESP), Brazil.

2023– *Journal of Vertebrate Paleontology* Editorial Board Member: 14 manuscripts handled since June 2023 (check "Web of Science" CV).

2022–2026 *Journal of Vertebrate Paleontology* Phylogenetics Editor. 115 manuscripts reviewed since June 2022 (check "Web of Science" CV).

2022–2024 Member of the Program Committee for the SVP Annual Meeting.

2022–2024 Member of the Colbert Prize Committee for the SVP Annual Meeting.

2020–2023 *BMC Research Notes* Editorial Board Member.

2019–2023 Member of the "*Proceedings B* Preprint Editorial Team". More information here.

2016 Grant proposal reviewed for Fondo para la Investigación Científica y Tecnológica (FONCyT), Argentina.

2016– 48 manuscripts reviewed (for 29 journals) since November 2017 (check "Web of Science" CV): *Nature Ecology & Evolution* (2x), *Science Advances*, *Proceedings of the Royal Society B* (5x), *Global Ecology and Biogeography, Biology Letters* (2x), *Ecology & Evolution*, *Biological Journal of the Linnean Society, Paleobiology, Journal of Anatomy* (2x), *Palaeontology* (4x), *Zoological Journal of the Linnean Society* (2x), *Journal of Vertebrate Paleontology* (2x), *Journal of Systematic Palaeontology*, *Papers in Palaeontology*, *PeerJ* (3x), *Communications Biology*, *Royal Society Open Science*, *Frontiers in Earth Science, The Anatomical Record*, *Cladistics*, *Cretaceous Research* (4x), *Ameghiniana* (2x), *Alcheringa*, *PCI Paleontology, Revista Brasileira de Paleontologia*, *Philippine Journal of Science*, *Journal of Insect Biodiversity* and *Acta Biologica Colombiana*.

Supervision/mentorship of students

2026– *Fernanda D. P. Landim*. PhD student in Zoology at the University of São Paulo (São Paulo, Brazil).

2026– *Emily R. Moreira*. Undergrad student at the Federal Institute of São Paulo (São Paulo, Brazil).

2026– *Giovana O. Yoneiama*. Undergrad student at the Federal Institute of São Paulo (São Paulo, Brazil).

2026– *Luís F. B. David*. MSc student in Zoology at the University of São Paulo (São Paulo, Brazil).

2026– *Luan Estevão dos Santos*. PhD student in Zoology at the University of São Paulo (São Paulo, Brazil).

2026– *Fernanda Vicentini Serpa*. Undergrad student at the University of São Paulo (São Paulo, Brazil).

2026– *João Pedro F. S. Quirino*. Undergrad student at the Federal Institute of São Paulo (São Paulo, Brazil).

2026– *Leonardo Aldrin T. Costa*. MSc student in Zoology at the University of São Paulo (São Paulo, Brazil).

2025– *Selene S. Marazzio*. Undergrad student at the University of São Paulo (São Paulo, Brazil).

2025– *Leonardo Aurelio G. da Silva*. Undergrad student at the University of São Paulo (São Paulo, Brazil).

2025– *Gabriel Q. Riehl*. MSc student in Comparative Biology at the University of São Paulo (Ribeirão Preto, Brazil).

2025–2026 *Gustavo Gonçalves Barreiros*. Undergrad student at the University of Taubaté (Taubaté, Brazil).

2024–2025 *Pedro Kenji Ferreira*. Undergrad student at the University of São Paulo (São Paulo, Brazil).

2024– *Bianca P. T. Garcia*. MSc student in Comparative Biology at the University of São Paulo (Ribeirão Preto, Brazil).

2024–2025 *Jorge Luiz R. S. da Silva*. Undergrad student at the University of São Paulo (São Paulo, Brazil).

2024–2025 *Sofia K. Xavier*. Undergrad student at the University of São Paulo (São Paulo, Brazil).

2024–2026 *Gabriela K. Gama*. Undergrad student at the University of São Paulo (São Paulo, Brazil).

2024–2025 *Luan Estevão dos Santos*. MSc student in Zoology at the University of São Paulo (São Paulo, Brazil).

2024–2025 *Daniel M. Santos*. Postdoc at the University of São Paulo (São Paulo, Brazil).

2024– *Thayara S. Carrasco*. Postdoc at the University of São Paulo (São Paulo, Brazil).

2023–2026 *Fernanda D. P. Landim*. Undergrad student at the University of São Paulo (São Paulo, Brazil).

2023–2024 *Vitória A. G. da Fonseca*. Undergrad student at the University of São Paulo (Ribeirão Preto, Brazil).

2023–2024 *Ana Clara M. G. Annes*. Undergrad student at the University of São Paulo (São Paulo, Brazil).

2022– *Ana Laura S. Paiva*. PhD student in Comparative Biology at the University of São Paulo (Ribeirão Preto, Brazil).

2021–2022 *Dominic Best*. Undergrad student at the University of Birmingham (Birmingham, UK).

2019–2021 *Francisco P. Alves Neto*. MSc student in Comparative Biology at the University of São Paulo (Ribeirão Preto, Brazil).

2018–2021 *Bruna M. Farina*. MSc student in Comparative Biology at the University of São Paulo (Ribeirão Preto, Brazil).

Grants and awards (most significant grants/awards highlighted in red)

2026–2028 Programa de Fomento à Pesquisa e Inovação de Base e de Livre Iniciativa (PROBASE). "Análises macroevolutivas e morfologia tridimensional: equipando o Laboratório de Macroevolução e Paleobiologia do IB-USP". Funder: University of São Paulo

2026–2028 Research Software Maintenance Fund (2-year development grant). "Converting Users to Contributors: Enabling Sustainable Maintenance and Development of Palaeoverse". Role: Co-Lead. Funder: Software Sustainability Institute/UKRI.

2025–2030 Young Investigator Grant (5-year research grant). "Characterizing diversity and evolutionary patterns of Amniota: systematics, macroevolution and paleoecology". Role: Principal Investigator. Funder: São Paulo Research Foundation (FAPESP).

2022–2023 Postdoctoral Fellowship (funding for conducting research at the University of São Paulo, Brazil). Funder: São Paulo Research Foundation (FAPESP).

2022 *Journal of Anatomy*'s top-cited papers in 2020/2021.

2021 The Palaeontological Association "Best Paper Prize 2021". Journal: *Papers in Palaeontology*. Paper: "Redescription and phylogenetic affinities of the caimanine Eocaiman cavernensis (Crocodylia, Alligatoroidea) from the Eocene of Argentina".

2021 "Young Talent" Postdoctoral Fellowship (funding for a postdoctoral research project at the Federal University of Paraná, Brazil). Funder: CAPES (Brazilian Ministry of Education).

2020 *Journal of Evolutionary Biology*'s top-downloaded papers in 2018/2019.

2020 Nominee of the "2020 Blavatnik Regional Awards for Young Scientists" of New York, New Jersey, and Connecticut states, USA.

2018 Nominee of the "Michael K. O'Rourke PhD Best Publication Award", from the College of Life and Environmental Sciences, University of Birmingham, UK.

2017 Universitas 21 PhD Scholarship (1-month internship spent at Dr Hans Larsson's lab, at McGill University, Montreal, Canada). Funder: Universitas 21.

2017 Highly recommended lightning talk at the Progressive Palaeontology 2017 meeting.

2016 Postgraduate Travel Fund. Funder: The Palaeontological Association (PalAss).

2016 Best Poster Award (College of Life and Environmental Sciences) at the 10th Research Poster Conference (University of Birmingham).

2015 Doris O. and Samuel P. Welles Research Fund. Funder: University of California's Museum of Paleontology.

2014–2018 University of Birmingham-CAPES Joint PhD Scholarship (University of Birmingham, UK). Funder: University of Birmingham-CAPES (Brazilian Ministry of Education).

2014 *PLoS ONE*'s top-accessed papers in May 2014.

2013–2014 Research Internships Abroad (BEPE) Grant to spend 6 months (as a MSc student) at Dr Mark Norell's lab, (American Museum of Natural History, New York, USA). Funder: São Paulo state Research Foundation (FAPESP).

2012–2014 MSc Scholarship (University of São Paulo, Brazil). Funder: São Paulo state Research Foundation (FAPESP).

2011 **"**Scientific Initiation" Scholarship, for undergraduate students (University of São Paulo, Brazil). Funder: São Paulo state Research Foundation (FAPESP).

10 recent abstracts at scientific conferences (total number of abstracts since 2010 = 115)

1. Annes ACMG, Carrasco TS, dos Santos DM, Ruiz JV, Cidade GM, Dillon EM, **Godoy PL** (2026). "From deep time to conservation action: fossil-informed insights into extinction risk in Crocodylia". In: 28th Working Meeting IUCN SSC Crocodile Specialist Group (Agadir, Morocco).
2. **Godoy PL** (2025). "Same variables, different results: the importance of sensitivity analyses in deep-time evolutionary studies". In: 4th Crossing the Paleontological-Ecological Gap (CPEG) Meeting & 3rd Conservation Paleobiology Symposium (Zurich, Switzerland).
3. Silva JLRS, Ferreira GS, Farina BM, **Godoy PL** (2025). "Extinction patterns of marine turtles throughout the Mesozoic and Cenozoic: insights for Conservation Biology". In: 4th Crossing the Paleontological-Ecological Gap (CPEG) Meeting & 3rd Conservation Paleobiology Symposium (Zurich, Switzerland).
4. Annes ACMG, Carrasco TS, dos Santos DM, Ruiz JV, Cidade GM, Dillon EM, **Godoy PL** (2025). "Deep-time extinction and diversity patterns of Crocodylia indicate high susceptibility of the clade to environmental changes". In: 4th Crossing the Paleontological-Ecological Gap (CPEG) Meeting & 3rd Conservation Paleobiology Symposium (Zurich, Switzerland).
5. Landim FDP, Casali DM, Carrasco TS, **Godoy PL** (2025). "Extinction patterns in sloths are explained by life history traits, not phylogeny". In: 4th Crossing the Paleontological-Ecological Gap (CPEG) Meeting & 3rd Conservation Paleobiology Symposium (Zurich, Switzerland).
6. Karam G, Simões TR, Silvestro D, **Godoy PL** (2025). "Snake diversification rates estimated from occurrence data reveal a significant impact of the K-Pg extinction event on the group". In: 4th Crossing the Paleontological-Ecological Gap (CPEG) Meeting & 3rd Conservation Paleobiology Symposium (Zurich, Switzerland).
7. Carrasco TS, **Godoy PL** (2025). "Are introduced species appropriate ecological substitutes for Pleistocene megafauna?" In: 4th Crossing the Paleontological-Ecological Gap (CPEG) Meeting & 3rd Conservation Paleobiology Symposium (Zurich, Switzerland).
8. **Godoy PL**, Meachen J, López-Arbarello A, D'Emic MD (2024). "The reproducibility crisis in phylogenetic analysis". In: 84th Annual Meeting of the Society of Vertebrate Paleontology (Minneapolis, USA).
9. Bronzati M, Vieceli FM, Botezelli VS, **Godoy PL**, Montefeltro FC, Nassif JPM, Ribeiro D, Yan CYI, Werneburg I, Kohlsdorf T (2024). "Fossils and embryos on the origin of the tympanic ear in crown-reptiles". 10th World Congress of Herpetology (Kuching, Malaysia).
10. Allen BJ, Gearty W, **Godoy PL**, Chiarenza, AA (2024) "Including fossil tips often, but not always, vastly improves the reconstruction of trait evolution using phylogenetic comparative methods". In: 3rd Joint Congress on Evolutionary Biology (Montreal, Canada).

Teaching, invited talks and public engagement/outreach

2025 Invited talk (1 hour): "Beyond traditional Paleontology: what fossils teach us about evolution" (in Portuguese). University of São Paulo, São Paulo, Brazil.

2025 Invited talk (1 hour): "Are crocs all the same? Crocodylomorphs as a study system for macroevolution" (in Portuguese). University of São Paulo, Piracicaba, Brazil.

2025– Graduate course (master's and PhD level) taught (2 weeks/30 hours): "Introduction to macroevolutionary analyses in R" (hybrid format and in Portuguese). University of São Paulo, São Paulo, Brazil.

2024 Workshop taught (8 hours): "Building Open Data Science Skills in Paleobiology and Ecology" 4th Crossing the Paleontological-Ecological Gap (CPEG) Meeting & 3rd Conservation Paleobiology Symposium. University of Zürich, Zürich, Switzerland.

2024 Invited talk (20 minutes): "Paleoclimate and macroevolutionary patterns" (in Portuguese). 1st Brazilian Congress of Evolutionary Biology, Curitiba, Brazil.

2024 Workshop taught (3 hours): "Macroevolutionary patterns and the influence of climate" (in Portuguese). Universidade de São Paulo, São Paulo, Brazil.

2024 Invited talk (1 hour): "Crocodylomorph macroevolution, systematics and paleobiology" (in Portuguese). São Paulo State University, Rio Claro, Brazil.

2024 Invited talk (1 hour): "Crocodylian paleobiology" (in Portuguese). Jornada da Biologia. FMU - Centro Universitário. São Paulo.

2024 Invited talk (1 hour): "200 million years of crocodylomorph evolution: systematics, paleoecology and macroevolution". Pal(a)eoPERCS Seminar Series (online).

2024 Workshop taught (3 hours): "Ciclo de Conferencias en Paleontología" (in Spanish). Universidad Nacional de Trujillo, Trujillo, Peru.

2023– Undergraduate course taught (15 weeks/240 hours): "Vertebrate Zoology" (in Portuguese). University of São Paulo, São Paulo, Brazil.

2023– Undergraduate courses taught (4 hours taught in each course): "Paleontology"; "History of the Earth and biological evolution"; "Introduction to Geology and Paleontology", "Diversification and Biogeography of the Neotropical Biota" (in Portuguese). University of São Paulo, São Paulo, Brazil.

2023 Invited talk (1 hour): "Alligator or crocodile? Fossils and the extant diversity of Crocodylia" (in Portuguese). Pint of Science Brazil, São Bernardo do Campo, Brazil.

2023 Invited talk (1 hour): "An untold story: the rich evolutionary journey of crocodylians and their fossil relatives". Tübingen Science Bridge – Latin America (University of Tübingen), Germany.

2023 Graduate course (master's and PhD level) taught (2 weeks/30 hours): "Introduction to macroevolutionary analyses in R" (hybrid format and in Portuguese). University of São Paulo, Ribeirão Preto, Brazil.

2021 Workshop taught (2 weeks/40 hours): "Basic tools for studying macroevolution with paleontological data" (presented remotely and in Portuguese). I Winter School of Paleontology (ESINPA), Brazilian Society of Paleontology (SBP).

2021 Graduate course (master's and PhD level) taught (2 weeks/30 hours): "Macroevolutionary Analyses in R" (presented remotely and in English). Federal University of Paraná, Curitiba, Brazil.

2021 Invited talk (1 hour): "Ecological transitions and body size evolution in crocodylians and their fossil relatives" (in Portuguese). Marine Biology Center of the University of São Paulo (CEBIMar/USP), São Sebastião, Brazil.

2021 Invited talk (45 minutes): "Crocodylomorph evolutionary history: phylogeny and macroevolutionary patters" (in Portuguese). Federal University of Paraná, Curitiba, Brazil.

2019 Invited talk (1 hour): "Crocodylomorph macroevolutionary patterns". New York Institute of Technology (NYIT), Old Westbury, NY, USA.

2019 Invited talk (1 hour): "Macroevolutionary patterns in Crocodylomorpha" (in Portuguese). University of São Paulo, Ribeirão Preto, Brazil.

2019 Workshop taught (8 hours): “Detecting macroevolutionary patterns using phylogenetic comparative methods and paleontological data” (in Portuguese). XXVI Brazilian Congress of Paleontology, Uberlândia, Brazil.

2019 Scientist/demonstrator (volunteer) at the Eastern Long Island Mini Maker Faire, Port Jefferson, NY, USA.

2017 Public engagement/outreach lecture (2 hours): “Endless forms most beautiful: the case of the crocodylians”. University of the Third Age (U3A) Science Group Meeting, Birmingham, UK.

2016 Invited talk (1 hour): “Endless forms most beautiful: the case of the crocodylians”. Institute of Vertebrate Paleontology and Paleoanthropology (IVPP), Beijing, China.

2012–2013 Public engagement courses (two editions) on Paleontology for High School teachers (40 hours each course): “Workshop on Paleontology: fossils inside the classroom”. University of São Paulo and São Paulo State University, Brazil.

2012 Workshop taught (undergraduate level, 5 hours): "Paleontology as a tool to understand evolution". Centro Universitário Barão de Mauá, Brazil.

2009–2014 Volunteer at the project PEIC (Communitarian Project of Interdisciplinary Education), a non-profit organization that aims to help poor people (currently attending High School or after finishing it) to achieve high-quality education, by means of innovative teaching techniques and seeking an interdisciplinary approach. The participation involved activities as a teacher, as well as educational and admin coordinator (director).

Member of thesis/dissertation committees (or viva examiner)

2026 Pedro Antonio R. P. Junior. MSc student at the University of São Paulo, Brazil.

2025 Athirson S. Albuquerque. MSc student at the State University of Rio de Janeiro, Brazil.

2025 João C. S. Nascimento. PhD student at the University of Campinas, Brazil.

2025 Felipe S. D. Urpia. MSc student at the University of São Paulo, Brazil.

2024 Lucas Piazentin Costa. PhD student at the University of São Paulo, Brazil.

2024 Bruno A. Navarro. PhD student at the University of São Paulo, Brazil.

2024 Wade Harris. MSc student at the University of the Witwatersrand, South Africa.

2023 Paul Aubier. PhD student at Sorbonne Université, France.

2023 Ane de Celis. PhD student at Universidad Nacional de Educación a Distancia (UNED), Spain.

2022 Joyce Celerino de Carvalho. PhD student at the University of Brasilia, Brazil.

2022 Natália de Paula Lopes. MSc student at the University of São Paulo, Brazil.

2022 Marcos Vinicius L. Queiroz. MSc student at the São Paulo State University, Brazil.

2021 Luiza Santos Barreto. PhD student at the Federal University of Paraná, Brazil.

2021 Kawan Carvalho Martins. MSc student at the São Paulo State University, Brazil.

2021 Luiz Henrique Varzinczak. PhD student at the Federal University of Paraná, Brazil.

2021 Victor Aguiar S. Penha. PhD student at the Federal University of Paraná, Brazil.

2021 Raquel Divieso R. Rodrigues. PhD student at the Federal University of Paraná, Brazil.

2021 Bruno M. Tibério. Undergrad student at the São Paulo State University, Brazil.

2020 Ana Laura S. Paiva. MSc student at the University of São Paulo, Brazil.

Research and science communication projects

2025– Amazonia+10 Initiative Grant: *New frontiers in the fossil record of southwestern Amazonia*. Role: Associate Researcher. PIs: Dr. Carlos D'Apolito (Federal University of Acre) and Dr. Annie Hsiou (University of São Paulo, Brazil). Funders: CNPq and FAPESP. More information at: https://shorturl.at/sShfV.

2025– São Paulo Research Foundation Research (FAPESP) Grant: *Characterizing diversity and evolutionary patterns of Amniota: systematics, macroevolution and paleoecology*. Role: PI. More information at: https://shorturl.at/WS9kN.

2024– Brazilian National Council for Scientific and Technological Development (CNPq) Research Group: *Conservation Paleobiology research Group*. Role: Associate Researcher. PI: Dr. Matias Ritter (Federal University of Rio Grande do Sul, Brazil). More information at http://dgp.cnpq.br/dgp/espelhogrupo/8778289357654573.

2024– Coordinator of the outreach/public engagement project USPaleo, caried out by undergrad students of the University of São Paulo and that aims to promote public awareness about paleontology.

2022– *palaeoverse*: an R package developed by palaeobiologists, for palaeobiologists. More information at: https://palaeoverse.org/.

2021– São Paulo Research Foundation Grant: *Dinosaur diversity and associated faunas in the Cretaceous of South America*. Role: Associate Researcher. PI: Dr. Max Langer (University of São Paulo, Brazil). More information at: https://bit.ly/3A5oqPT.

2020– Brazilian National Council for Scientific and Technological Development (CNPq) Research Group: *Integrative Biology (Vertebrates)*. Role: Associate Researcher. PI: Dr. Mariela Castro (Federal University of Catalão, Brazil). More information at http://dgp.cnpq.br/dgp/espelhogrupo/673291.

2020– Pal(a)eoScientometrics: quantitatively investigate demographic biases in the paleontological literature. More information at: https://paleoscientometrics.github.io/.

2020–2024 Pal(a)eoPERCS: a virtual seminar series designed to showcase the research of Early Career Researchers in all paleontological fields. More information at: https://paleopercs.com/.

2019–2024 National Science Foundation (NSF) Collaborative Research: *Ecomorphological diversification and the origin of phenotypic disparity in crocodile-line archosaurs*. Role: Associate Researcher. PI: Dr. Alan Turner (Stony Brook University, USA). More information at: https://bit.ly/3QRBHCq.

Additional training

2017 CT-data software workshop: Introduction to Avizo and SPIERS. University of Birmingham.

2016 Introduction to phylogenetic software TNT (Tree Analysis Using New Technology). University of Birmingham.

2015 Introduction to Geometric Morphometrics. “Transmitting Science courses”, Spain.

2015 Morphological Evolution in Deep Time: Calculating Disparity and Rates from Discrete Phenotypic Data. Society of Vertebrate Paleontology (SVP), Washington DC, USA.

Fieldworks

August 2026 6-day expedition to central-west São Paulo state, Brazil; Geology: Presidente Prudente Formation (Bauru Group, Upper Cretaceous).

August 2025 6-day expedition to central-west São Paulo state, Brazil; Geology: Presidente Prudente and Adamantina formations (Bauru Group, Upper Cretaceous).

April 2025	5-day expedition to central-west São Paulo state, Brazil; Geology: Presidente Prudente Formation (Bauru Group, Upper Cretaceous).
June 2024	9-day expedition to northeast Peru; Geology: Chota Formation (Upper Cretaceous).
April 2024	6-day expedition to northwest São Paulo state, Brazil; Geology: Adamantina and Marília formations (Bauru Group, Upper Cretaceous).
November 2017	10-day expedition, as part of the University of Birmingham and Wits University (Johannesburg) team, to the Eastern Cape, South Africa; Geology: Karoo Basin (Late Triassic).
July 2015	15-day expedition, as part of the University of São Paulo (Brazil) team, to the Ruvuma region, Tanzania; Geology: Tunduru beds (Mesozoic).
July 2014	10-day expedition, as part of the University of São Paulo (Brazil) team, to Rio Grande do Sul, Brazil; Geology: Santa Maria and Caturrita Formations (Late Triassic).
April 2014	5-day expedition, as part of the University of São Paulo (Brazil) team, to northwest São Paulo state, Brazil; Geology: Adamantina Formation (Bauru Group, Upper Cretaceous).
June 2012	10-day expedition, as part of the University of São Paulo (Brazil) team, to São Paulo and Minas Gerais state; Geology: Adamantina Formation (Bauru Group, Upper Cretaceous).
May 2011	4-day expedition, as part of the University of São Paulo (Brazil) team, to northwest São Paulo state, Brazil; Geology: Adamantina Formation (Bauru Group, Upper Cretaceous).
March 2011	6-day expedition, as part of the University of São Paulo (Brazil) team, to Paraná state, Brazil. Geology: Rio do Rasto Formation (Paraná Basin, Upper Permian).
May 2009	5-day expedition, as part of the University of São Paulo (Brazil) team, to Minas Gerais state, Brazil. Geology: Adamantina Formation (Bauru Group, Upper Cretaceous).

Member of meetings/conferences host committees

2025	5th Winter School of Paleontology (ESINPA). Uberaba, Minas Gerais. https://esinpa.sbpbrasil.org/.
2017	65th Symposium on Vertebrate Palaeontology and Comparative Anatomy (SVPCA). University of Birmingham (UK).
2013	I Darwin Day Ribeirão Preto (regional meeting). University of São Paulo (Brazil).
2013	VI Meeting of the Comparative Biology Graduate Program (regional meeting). University of São Paulo (Brazil).
2012	Paleo SP - Regional Meeting of the Brazilian Society of Paleontology. University of São Paulo (Brazil).
2008	XXXVI Biology Week (regional meeting). University of São Paulo, Ribeirão Preto, Brazil.

Other relevant activities

2012–2014	Student representative in the “Comparative Biology Graduate Program Committee" (University of São Paulo, Brazil).
2011–2013	Fossil preparation experience: vertebrate (crocodylomorph) specimens.
2007–2008	Undergrad student representative at the "Biology students’ Union" (University of São Paulo, Brazil).

Scientific paleontological collections visited: BMNH, British Museum of Natural History (London, UK); MTM, Hungarian Natural History Museum (Budapest, Hungary); OUMNH, Oxford University Museum of Natural History (Oxford, UK); CAMSM, Sedgwick Museum (Cambridge, UK); MNHN, Muséum National d'Histoire Naturelle (Paris, France); SMNS, Staatliches Museum für Naturkunde in Stuttgart (Stuttgart, Germany); HLMD, Hessisches Landesmuseum Darmstadt (Darmstadt, Germany); SMNK, Staatliches Museum für Naturkunde (Karlsruhe, Germany); BSPG, Bayerische Staatssammlung für Paläontologie und Geologie (Munich, Germany); MPMA, Museu de Paleontologia de Monte Alto (Monte Alto, Brazil); CPP, Centro de Pesquisas Paleontológicas Llewellyn Ivor Price (Peirópolis/Uberaba, Brazil); PVL, Museo de Ciencias Naturales, Fundación Miguel Lillo (San Miguel de Tucumán, Argentina); MACN, Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" (Buenos Aires,

Argentina); UCMP, University of California Museum of Paleontology (Berkeley, USA); FMNH, Field Museum of Natural History (Chicago, USA); UCRC, University of Chicago Research Collection (Chicago, USA); AMNH, American Museum of Natural History (New York, USA); IVPP, Institute of Vertebrate Paleontology and Paleoanthropology (Beijing, China); USNM, Smithsonian National Museum of Natural History (Washington DC, USA); LPRP/USP, Laboratório de Paleontologia de Ribieirão Preto, University of São Paulo (Ribeirão Preto, Brazil).