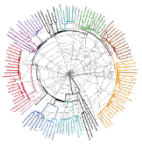
Guilherme H. F. Azevedo

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ghfazevedo@gmail.com
ghfazevedo.github.io | github.com/ghfazevedo
scholar.google.com/citations?user=PUGcJV8AAAAJ



Research Interests

- Diversity, evolution and conservation of Arachnids and other Arthropods
- Phylogenetic models for testing evolutionary processes
- Phylogenomics and population genetics
- Morphological and molecular evolution
- Biogeography, Systematics and Taxonomy

Education

2016 **Ph.D. in Zoology,** Universidade Federal de Minas Gerais, Brazil.
One year of collaborative period at the California Academy of Sciences, USA.
"Phylogeny, taxonomy and macroevolution of copulatory structures in Gnaphosidae genera (Araneae: Gnaphosoidea)." Advisors: Dr. Adalberto J. Santos and Dr. Charles Griswold

2012 **M.S. in Ecology, conservation and wildlife management**, Universidade Federal de Minas Gerais, Brazil.
"Systematics and evolution of the Brazilian wandering spiders (Ctenidae: *Phoneutria*) based on molecular, morphological and ecological evidence." Advisor: Dr. Adalberto J. Santos

2009 **B.S. in Biology, emphasis in Zoology**, Universidade Federal de Minas Gerais, Brazil.
"Morphometrics of copulatory structures in three species of Brazilian wandering spiders (Ctenidae: *Phoneutria*)." Advisor: Dr. Adalberto J. Santos

Research Experience

2023–present **Independent Researcher** (without salary or institutional funding)
Employment not permitted under U.S. dependent (F-2) immigration status since 2023

2025–2026 **Visiting Fellow** (without salary or institutional funding) Cornell University

2022–2023 **Postdoctoral Researcher,** San Diego State University
"Genetic studies of cave-dwelling *Cicurina* from the Bexar County region of Texas, USA" Supervisor: Dr. Marshal Hedin.

2019–2022 **Postdoctoral Researcher,** San Diego State University
"Integrative, genus-wide phylogenomic studies of divergence and reticulation in *Habronattus* jumping spiders" Supervisor: Dr. Marshal Hedin

2017–2019 **Postdoctoral Researcher "Fondo para la Investigación Científica y Tecnológica"**
Museo Argentino de Ciencias Naturales Bernardino Rivadavia, Buenos Aires, Argentina.
"Systematics and evolution of spiders using morphological and molecular data from museum and fresh specimens." Supervisor: Dr. Martín J. Ramírez

2016–2017 **Postdoctoral Researcher "CAPES/PNPD"**, Universidade Federal de Minas Gerais, Brazil
"Implementing reduced representation library protocols to obtain genomic data of species of the Brazilian fauna." Supervisor: Dr. Fabrício R. Santos

Academic Positions

2017 Lecturer, Universidade Federal de Minas Gerais, Brazil

2015–2016	Lecturer, Universidade Federal de Minas Gerais, Brazil
2012–2013	Lecturer, Universidade Federal de Minas Gerais, Brazil
2007–2009	Undergraduate Research & Curatorial Assistant, Universidade Federal de Minas Gerais, Brazil
2006	Volunteer Research & Curatorial Assistant, Universidade Federal de Minas Gerais, Brazil

SUBMITTED MANUSCRIPTS

** denotes equal contribution*

Azevedo, G.H.F. and Hedin, M. 2026. Trait-dependent protracted speciation illuminates the penumbra between micro-and macroevolution: insights from cave spider diversification. (in revision *Systematic Biology*).

Ramírez, M.J.*, **Azevedo, G.H.F.***, Wilson, J.D., Martínez, L.A., Soto, E.M. and Hedin, M. 2026. A combined phylogenomic and morphological analysis of the ghost spider subfamily Amaurobioidinae (Araneae: Anyphaenidae). (in review *Systematic Entomology*).

PEER-REVIEWED PUBLICATIONS

Azevedo, G.H.F., Oliveira, U., Santos, F., Brescovit, A. and Santos, A.J. 2026. Testing cohesive selective paths and evaluating loss of evolutionary information while delimiting species of Brazilian wandering spiders. *Evolution*, 80, p. 1243–1263. https://doi.org/10.1093/evolut/qpag049.

Azevedo, G.H.F., Maddison, W. and Hedin, M. 2024. Phylogeny and biogeography of harmochirine jumping spiders (Araneae: Salticidae). *Molecular Phylogenetics and Evolution*, 197, p. 108109. https://doi.org/10.1016/j.ympev.2024.108109.

Azevedo, G.H.F., Blair, J. and Hedin, M. 2023. Evaluating possible anthropogenic impacts on gene flow and loss of genetic diversity in endangered Madla Cave Meshweaver spiders (Hahniidae, *Cicurina madla*). *Conservation Genetics*, 25, p. 149–164. https://doi.org/10.1007/s10592-023-01561-y.

Azevedo, G.H.F., Bougie, T., Carboni, M., Hedin, M. and Ramírez, M.J. 2022. Convergence, Hemiplasy, and Correlated Evolution Impact Morphological Diversity Related to a Web-Less Lifestyle in the Two-Clawed Spiders. *Insect Systematics and Diversity*, 6(5), p. 1–14. https://doi.org/10.1093/isd/ixac020

Azevedo, G.H.F., Bougie, T., Carboni, M., Hedin, M. and Ramírez, M.J. 2022. Combining Genomic, Phenotypic and Sanger Sequencing Data to Elucidate the Phylogeny of the Two-Clawed Spiders (Dionycha). *Molecular Phylogenetics and Evolution*, 166, p. 107327. https://doi.org/10.1016/j.ympev.2021.107327

Azevedo, G.H.F., Parreiras, J.S., Bougie, T., Michalik, P., Wunderlich, J. and Ramírez, M.J. 2021. Fossils constrain biogeographical history in a clade of flattened spiders with transcontinental distribution. *Journal of Biogeography*, 48, p. 3032– 3046. https://doi.org/10.1111/jbi.14259

Jäger, P., Arnedo, M.A., **Azevedo, G.H.F.**, Baehr, B., Bonaldo, A.B., Haddad, C.R., Harms, D., Hormiga, G., Labarque, F.M., Muster, C. and Ramírez, M.J. 2021. Twenty years, eight legs, one concept: describing spider biodiversity in Zootaxa (Arachnida: Araneae). *Zootaxa*, *4979*(1), p. 131-146. https://doi.org/10.11646/zootaxa.4979.1.14

Girard, M.B., Elias, D.O., **Azevedo, G.**, Bi, K., Kasumovic, M.M., Waldock, J.M., Rosenblum, E.B. and Hedin, M. 2021. Phylogenomics of peacock spiders and their kin (Salticidae: *Maratus*), with implications for the evolution of male courtship displays. *Biological Journal of the Linnean Society*, *132*(3), p. 471-494. https://doi.org/10.1093/biolinnean/blaa165

Magalhaes, I.L., **Azevedo, G.H.F.**, Michalik, P. and Ramírez, M.J. 2020. The fossil record of spiders revisited: implications for calibrating trees and evidence for a major faunal turnover since the Mesozoic. *Biological Reviews*, *95*(1), p.184-217. https://doi.org/10.1111/brv.12559

Azevedo, G.H.F., Griswold, C.E. and Santos, A.J. 2018. To complicate or to simplify? Phylogenetic tests of complexity trends and genital evolution in ground spiders (Araneae: Dionycha: Gnaphosidae). *Zoological Journal of the Linnean Society*, v. 184, Issue 3, p. 673-694. https://doi.org/10.1093/zoolinnean/zly016

Azevedo, G.H.F., Griswold, C.E. and Santos, A.J. 2017. Systematics and evolution of ground spiders revisited (Araneae, Dionycha, Gnaphosidae). *Cladistics*, p. 1-48. https://doi.org/10.1111/cla.12226

Azevedo, G.H.F., Ott, R., Griswold, C.E. and Santos, A.J. 2016. A taxonomic revision of the ground spiders of the genus *Apopyllus* (Araneae: Gnaphosidae). *Zootaxa* (Auckland. Print), v. 4178, p. 301. http://dx.doi.org/10.11646/zootaxa.4178.3.1

Azevedo, G.H.F., Faleiro, B.T., Magalhães, I.L.F., Benedetti, A.R., Oliveira, U., Pena-Barbosa, J.P.P., Santos, M.T.T., Vilela, P.F., De Maria, M. and Santos, A.J. 2014. Effectiveness of sampling methods and further sampling for accessing spider diversity: a case study in a Brazilian Atlantic rainforest fragment. *Insect Conservation and Diversity*, v. 7, p. 381-391. https://doi.org/10.1111/icad.12061

MANUSCRIPTS IN PREPARATION

Azevedo, G.H.F., Parreiras, J.S., Bougie, T., Michalik, P., Wunderlich, J. and Ramírez, M.J. A new Baltic amber species of the genus *Plator* Simon, 1880 with comments on the taxonomy and evolution of fossil and extant trochanteriids. (in preparation for Zootaxa)

Azevedo, G.H.F., Elias, D., Maddison, W. and Hedin, M. Recurrent introgression among paradise jumping spiders (*Habronattus*) despite divergent multimodal courtship signals. (in preparation for Molecular Ecology)

Magalhaes, I.L.F.*, **Azevedo, G.H.F.***, Harvey, M., Haddad, C., Hernández, N.M., Hedin, M. and Ramírez, M.J. A phylogenomic backbone for crevice-weaver spiders (Filistatidae) with comments on generic limits (in preparation for *Molecular Phylogenetics and Evolution*)

BOOK CHAPTERS

De Maria, M., Santos, A.J., **Azevedo, G.H.F.** et al. 2009. Aracnídeos/Araneofauna. In: AngloGold Ashanti. (Org.). *Biodiversidade da Mata Samuel de Paula*. Belo Horizonte: AngloGold Ashanti Brasil Mineração Ltda., p. 209- 223.

SOFTWARE AND CODE RESOURCES

TraDeRProS (Trait-Dependent Rates Protracted Speciation with hidden states): Bayesian model of trait-dependent protracted speciation implemented in RevBayes (Azevedo and Hedin, in revision).

PhUNC Phenotype evolution probability Under Neutral Coalescent

Research code, pipelines, and tutorials: https://ghfazevedo.github.io/codes/.

GRANTS AND SCHOLARSHIPS (TOTAL ~$283,000)

2025–present	CNPq (Brazil). Comparative phylogeography and species delimitation of arachnids of Caatinga in the era of Artificial Intelligence. (Co-wrote the project with PI Leonardo Carvalho – UFPI, Brazil. ~$86,000.)
2023–2024	Linnean Society of London and the Systematics Association. LinnéSys: Systematics Research Fund, England (£1,000).
2022–2023	Blair Wildlife Consulting: Genetic studies of cave-dwelling *Cicurina* from the Bexar County region of Texas, USA (Co-wrote with PI Marshal Hedin. $56,160)
2017–2019	PICT – FONCyT (Argentina). A phylogenetic approach for genital evolution in spiders (Co-wrote with PI Martín Ramírez. ~$60,000)
2016–2017	Postdoctoral Fellowship, CAPES-PNPD, Brazil (~$9,800)
2012–2016	PhD Research Fellowship, CAPES, Brazil (~$35,000)
2014–2015	International Sandwich Doctorate Fellowship, CAPES-PDSE, Brazil (~$24,000)
2010–2012	MS Research Fellowship, CAPES, Brazil (~$9,600)
2011	III Congreso Latinoamericano de Aracnología student grant, Colombia (~$150)
2008–2009	"PIBIC" Undergraduate Research Fellowship, CNPq, Brazil (~$800)
2007	"PEG" Undergraduate Research Fellowship, UFMG, Brazil (~$800)

TEACHING EXPERIENCE

Invited Lecturer

2024 *Spider Biology: Secrets of paradise jumping spiders*. Cornell University, USA.

2023 *Introduction to Spiders*. San Diego State University, USA.

2022 *Introduction to Spiders*. San Diego State University, USA.

2022 *Evolutionary origins of insects*. San José State University, USA.

2021 *Models, Fossils and Biogeography*. Universidade Federal do Piauí, Brazil.

2014 *Spiders taxonomy and biology: field course*. Graduate course. University of California, Berkeley.

Instructor

2021 *Introduction to the Use of Genomic Data in Phylogenetic Systematics* (course developer). Graduate course. Universidade Federal de Minas Gerais, Brazil.

2017 *Molecular Methods for Species Delimitation* (course developer). Graduate course. Universidade Federal de Minas Gerais, Brazil.

2017 *Zoology I: Introduction to Metazoa; Porifera; Cnidaria; Ctenophora.* (lab course developer). Undergraduate course. Universidade Federal de Minas Gerais, Brazil

2013 *Arachnology: Systematics, evolution, and ecology of arachnids* (course developer). Undergraduate course. Universidade Federal de Minas Gerais, Brazil.

2015–2016 *Zoology I: Introduction to Metazoa; Porifera; Cnidaria; Ctenophora.* (lab course developer). Undergraduate course. Universidade Federal de Minas Gerais, Brazil.

2012–2013 *Zoology I: Introduction to Metazoa; Porifera; Cnidaria; Ctenophora.* (lab course developer). Universidade Federal de Minas Gerais, Brazil.

Workshop Instructor

2017 *Biology Field Practices* (workshop developer). Bocaina Conservation Biology, Brazil.

2013 *Taxonomy and systematics of spiders* (workshop developer). Fundação Ezequiel Dias, Brazil.

2010 *Arachnids, with emphasis in medically important arachnids* (workshop developer). Universidade Federal de Minas Gerais, Brazil.

2008 *Introduction to biology and systematics of spiders* (workshop developer). Universidade Federal de Minas Gerais, Brazil.

Teaching Material

2026 RevBayes Tutorial on Sexually Dimorphic and Hidden State Dependent Speciation and Extinction model. (https://ghfazevedo.github.io/teaching/sedhisse/)

2021 Phylogenomic Analyses Course, Computer Lab Tutorial. Universidade Federal de Minas Gerais, Brazil. (https://ghfazevedo.github.io/teaching/phylogenomics-en/)

2017 Species Delimitation Course, Computer Lab Tutorial. Universidade Federal de Minas Gerais, Brazil. (https://ghfazevedo.github.io/teaching/species-delimitation-en/)

2008 Virtual Zoology, a Portal to the Study of Invertebrates. Universidade Federal de Minas Gerais, Brazil. (https://ghfazevedo.github.io/teaching/zoologia-virtual/)

MENTORSHIP AND TRAINING

2026–present Miguel Angel Gutierrez Estrada. Master Student. Thesis Co-Advisor. Systematics, taxonomy and biogeography of *Tityus bahiensis* (Scorpiones, Buthidae) species gorup in Brazil. Universidade Federal do Piauí.

2026–present Marcela Oliveira Santos. Master Student. Thesis Co-Advisor. Diversification and species delimitation of species of the genus *Itatiaya* (Araneae: Zoropsidae) in the Atlantic Forest: an integrative approach. Universidade Federal de Minas Gerais.

2025–present	João Victor Cardinali. Master Student. Thesis Co-Advisor. South American genera of Gnaphosidae (Araneae: Dionycha): a synopsis, with the description of a new genus. Universidade Federal de Minas Gerais.
2021	Rodrigo Monjaraz-Ruedas. Postdoctoral Fellow. Training in NGS library preparation. San Diego State University.
2021	June Kelly. PhD student. Training in molecular laboratory techniques, San Diego State University.
2021	Jas Llamas. Undergraduate student. Training in molecular laboratory techniques. San Diego State University.
2019–2020	Hoang Nguyen. Undergraduate student. Mentoring in bioinformatics and phylogenetics. San Diego State University.
2018–2019	Willians Porto. PhD student. Training in molecular laboratory techniques, Museo Argentino de Ciencias Naturales.
2018–2020	Márcia de Oliveira Tomasi. Undergraduate student. Mentoring in Systematics, Universidade Federal de Minas Gerais.

INVITED SEMINARS

2026	Genes, Traits, and Species: Bridging Evolutionary Scales in Spider Diversification. Department of Ecology and Evolutionary Biology, Cornell University.
2023	What genomics and phenomics can tell us about the diversity, evolution and conservation of spiders. Department of Biology, Bucknell University.
2022	Combining evidence to unravel how complex evolutionary processes shaped the diversity of the two-clawed spiders. Department of Biological Sciences, San José State University.
2021	The evolutionary history of the two-clawed spiders told by molecules and morphology. Universidade Federal de Santa Maria, Brazil.
2021	Systematics and evolution of ground spiders: from morphology to molecules. British Arachnological Society John Murphy and Mike Roberts Memorial Symposium.
2021	The radiation of two-clawed spiders inferred with molecular and morphological data. National Museum of Natural History Virtual Entomology Seminar.
2019	A Baltic amber fossil species helps unravel the biogeographic process in a group of flattened spiders. Universidad Autónoma de Baja California in Congreso Internacional Meredith Gould, Baja California, México.

SELECTED CONTRIBUTED PRESENTATIONS

2026	Trait-dependent protracted speciation: from population divergence to species diversity. Evolution, Cleveland, USA
2026	Selective Processes and the Origin of Species in the Brazilian Wandering Spiders. Tropical Biology and Conservation Symposium, Ithaca, USA
2024	Integration of micro- and macroevolutionary models sheds light on the speciation of cave spiders in an environment threatened by urbanization. 3rd Joint Congress on Evolutionary Biology, Montreal, Canada
2022	Introgressive Hybridization, Sexual Selection and the Evolution of *Habronattus* Jumping Spiders. American Arachnological Society, Davis, USA
2020	Systematics and Evolution of Dionycha Spiders: What can Molecules and Morphology tell us? VI Congreso Latinoamericano de Aracnologia. Buenos Aires (Virtual).
2020	Testing Adaptive Radiation in Dionychan Spiders Using Morphological and Genomic Data. American Arachnological Society Meeting. Virtual.
2017	Evolutionary history of the Brazilian wandering spiders from Atlantic Forest. V Congresso Latino-americano de Aracnologia. Belo Horizonte, Brazil.

2016	Complicate or simplify sex? The evolution of genitalia in Gnaphosidae spiders. 20th International Congress of Arachnology. Denver, USA.
2015	Speciation process and species delimitation: testing evolutionary hypothesis in the Brazilian wandering spiders. Simpósio de Zoologia Sistemática. Belo Horizonte, Brazil.
2011	Phylogeography and niche conservatism in *Phoneutria*. III Congreso Latinoamericano de Aracnología. Montenegro, Colombia.

PROFESSIONAL SERVICE

Committee Member

2026	Alexandre S. Michelotto (PhD qualifying exam), Universidade Federal de Minas Gerais, Brazil.
2026	Analice G.M. Gomes (MS thesis), Universidade Estadual Paulista, Brazil.
2026	Yolanda O.P.L.M. Ferreira (MS Project Evaluation), Universidade Estadual Paulista, Brazil.
2025	Claudia C.M.C.B. Xavier (PhD dissertation), Universidade Federal do Pará, Brazil.
2024	Mayara Faustino-Magalhães (PhD dissertation), Universidade Federal de Minas Gerais, Brazil.
2023	Raíla Araújo (PhD qualifying exam), Universidade Federal de Minas Gerais, Brazil.
2023	Vinícius Diniz (PhD dissertation), Universidade Federal de Minas Gerais, Brazil.
2023	Rafael Ferreira (PhD dissertation), Universidade Estadual Paulista, Rio Claro, Brazil.
2022	Arthur Lima (PhD dissertation), Universidade Estadual Paulista, Rio Claro, Brazil.
2021	Rafael Ferreira (PhD qualifying exam), Universidade Estadual Paulista, Rio Claro, Brazil.
2020	Vinícius Diniz (PhD qualifying exam), Universidade Federal de Minas Gerais, Brazil.
2019	Bruno Rodrigues (PhD dissertation), Universidade Federal de Minas Gerais, Brazil.
2017	Thiago Q. Araújo (PhD dissertation), Universidade Federal de Minas Gerais, Brazil.
2017	Rafaela Missagia (MS qualifying exam), Universidade Federal de Minas Gerais, Brazil.
2017	Selection of Teaching Assistant Fellowship, Zoology Department, UFMG, Brazil.

Editorial Board

2018–2024	Zootaxa. Associate editor for Araneae: Dionycha (Gnaphosoidea: Ammoxenidae, Cithaeronidae, Gallieniellidae, Gnaphosidae, Lamponidae, Prodidomidae, Trochanteriidae).

Reviewer for Journals (Manuscripts)

2015–present	Insect Systematics and Diversity; Systematic Biology; Cladistics; Scientific Reports; Molecular Ecology; Ecology and Evolution; Invertebrate Systematics; Insect Systematics and Diversity; Insectes Sociaux; Diversity; Molecular Phylogenetics and Evolution; European Journal of Taxonomy; Zoologischer Anzeiger; Zookeys; Zootaxa; Journal of Biogeography.

Event Organizer

2011	Predictive Species Distribution Models: Applications, Challenges and Future Perspectives.

Society Affiliations

2024–2026	Society for the Study of Evolution.
2023	Systematics Association.
2023	American Arachnological Society.
2022	Entomological Society of America.

OUTREACH AND PUBLIC ENGAGEMENT

2024	Interactive Presenter at Cornell University "Insectapalooza". Ithaca, NY.
2024	Interactive Presenter at Utah State University "Science Unwrapped" public event. Logan, UT.
2023	Interactive Presenter at San Diego State University "Darwin Day". San Diego, CA.

2022	Interactive Presenter at Bohart Museum of Entomology "Eight-Legged Encounters" public event. Davis, USA.
2017	Interactive Presenter at Museo Argentino de Ciencias Naturales "Noche de los Museos" public event, Buenos Aires, Argentina.
2017	Interactive Presenter Museo Argentino de Ciencias Naturales "Noche de Brujas" public event, Buenos Aires, Argentina.
2017	Radio Interview at "Rádio UFMG Educativa". Belo Horizonte, Brazil
2014	Interactive Presenter at California Academy of Sciences "Night Life" public event. San Francisco, USA
2014	California Academy of Sciences Project Lab. San Francisco, USA
2010	Local Journal Article on *Jornal Estâncias da Mata*: "*Aranhas – medo ou admiração?*". Jaboticatubas, Brazil.
2007	Interactive Presenter at "UFMG Jovem". Belo Horizonte, Brazil.

MUSEUM COLLECTION EXPERIENCE

Curatorial Practices

Arthropod active collecting and standardized collecting protocols; specimen and tissue sample preparation; taxonomic identification; management of records on institutional databases; loan processing; obtaining, and organizing specimen ancillary data (e.g., photographs, SEMs).

Collections visited

American Museum of Natural History (USA), California Academy of Sciences (USA), Centro de Coleções Taxonômicas da UFMG (Brazil), Instituto Nacional de Pesquisas da Amazônia (Brazil), Lab. Coleções Zoológicas do Instituto Butantan (Brazil), Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" (Argentina), Museu de Ciências e Tecnologia PUC (Brazil), Museu de Ciências Naturais Fundação Zoobotânica (Brazil), Museu de Zoologia da USP (Brazil), Museu de Zoologia da UFB (Brazil), Museu Nacional (Brazil), Museu Paraense Emílio Goeldi (Brazil), Museum of Comparative Zoology (USA), Muséum National d'Histoire Naturelle (France), National Museum of Natural History (USA), SDSU Biodiversity Museum (USA).

Loans

Canterbury Museum (New Zealand), Coleção de História Natural da UFPI (Brazil), Democritus University of Thrace (Greece), Departamento de Zoologia da UnB (Brazil), Museo de Historia Natural de la Universidad Nacional Mayor de San Marcos (Peru), Museo de La Plata (Argentina), Museo Zoologico de "La Specola" (Italy), Museum A. Koenig Biobank (Germany), Museum of Hebei Unversity (China), Museum of Zoology of the Invertebrates (Russia), National Collection of Arachnida (South Africa), Naturalis Biodiversity Center (Netherlands), Queensland Museum (Australia), Senckenberg Forschungsinstitut und Naturmuseum (Germany), Universitat de Barcelona (Barcelona), Western Australian Museum (Australia), American Museum of Natural History (USA), California Academy of Sciences (USA), Centro de Coleções Taxonômicas da UFMG (Brazil), Instituto Nacional de Pesquisas da Amazônia (Brazil), Lab. Coleções Zoológicas do Instituto Butantan (Brazil), Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" (Argentina), Museu de Ciências e Tecnologia PUC (Brazil), Museu de Ciências Naturais Fundação Zoobotânica (Brazil), Museu de Zoologia da USP (Brazil), Museu de Zoologia da UFB (Brazil), Museu Nacional (Brazil), Museu Paraense Emílio Goeldi (Brazil), Muséum National d'Histoire Naturelle (France), Museum of Comparative Zoology (USA), National Museum of Natural History (USA).

FIELDWORK EXPERIENCE

2019–2022	U.S.A.: several localities and habitats in Utah, Nevada and California; "Madrean Sky-Islands" in Arizona.
2019	Mexico: several localities and habitats in Baja California and Baja California Sur.
2017	Chile: several localities and habitats in the provinces of Quillota, Cordillera, Cachapoal, Curicó, Talca, Concepción, Arauco.
2014	U.S.A.: Blodgett Forest in El Dorado County – California

2007–2013 Brazil: several localities in the Atlantic Forest, Cerrado and Amazonia.

TECHNICAL SKILLS

Laboratory: DNA isolation, NGS library preparation, PCR, Sanger sequencing, gel electrophoresis, scanning electron microscopy, stereoscope microscopy, handling, preparation and curation of specimens and tissue sample for molecular and morphological use, proficient with multi-channel pipettes, 96 and 384-well plates.

Programming: Bash, R, Python.

Bioinformatics: processing of high-throughput sequencing data (QC, filtering, mapping, variant calling, orthology assessment, sequence alignment), population genomic analyses, maximum likelihood and Bayesian phylogenetics.

Applications & Packages: astral, bayestraits, bcftools, beast2, bioawk, bioconda, blast, busco, bwa, cd-hit, dendropy, dsuite, fastqc, feems, iqtree, mafft, mitofinder, orthofinder, phyluce, pilon, revbayes, samtools, seqtk, spades, stells2, structure, treeshrink, trimmomatic, vcftools.

Leadership & Teamwork: initiative, adaptability, problem solving, public speaking, and mentoring skills.

Languages: English, Portuguese, Spanish.

Other Selected Skills: Microsoft Office suite, Google Drive suite, version control with Git, documentation with markdown and Rmarkdown, comfortable working on a HPC environment.

PROFESSIONAL DEVELOPMENT

2022	Creating a more inclusive classroom Workshop, The Wildlife Society.
2022	Scientific Teaching Workshop, UC San Diego.
2021	Species Delimitation Workshop. National Museum of Natural History. Virtual.
2019	RNA-Seq Workshop. University of California, Davis.
2018	RevBayes workshop on "Estimating time-calibrated phylogenies and diversification rates". Museo Argentino de Ciencias Naturales.
2013	Coalescent species trees and species delimitation Workshop. Universidade Federal de Minas Gerais.
2012	Higher education teaching course. Universidade Federal de Minas Gerais.
2010	Geometric morphometrics Workshop. Sociedade Brasileira de Zoologia.
2010	Phylogenetic analyses using R. Universidade Estadual Paulista Júlio de Mesquita Filho.
2009	Molecular markers in ecological studies Workshop. Sociedade de Ecologia do Brasil.

PROFESSIONAL REFERENCES

Dr. Marshal Hedin (Postdoc supervisor)
Professor, Curator and Director of Biodiversity Museum, San Diego State University
mhedin@sdsu.edu

Dr. Martín Ramírez (Postdoc supervisor)
Researcher and Curator of Arachnology, Museo Argentino de Ciencias Naturales
ramirez@macn.gov.ar

Dr. Adalberto Santos (PhD, MS and undergraduate advisor)
Professor and Curator of Arachnida, Universidade Federal de Minas Gerais
ajsantos@ufmg.br

Dr. Charles Griswold (PhD co-advisor)
Emeritus Curator of Arachnology, California Academy of Sciences
moggridgea@yahoo.com