

Jairo A. Moreno-González

79th st., Central Park West
American Museum of Natural History
New York City, NY, U.S.

hansenochrus@gmail.com | jmorenogonzalez@amnh.org
Webpage : <https://sites.google.com/view/jairomoreno/>
+1 9735689888

PhD., POSTDOCTORAL FELLOW, AMNH, NEW YORK CITY, NY

EDUCATION

- **Biosciences Institute, Universidade de São Paulo**, São Paulo, SP, Brazil
Doctor in Zoology, taxonomy and systematic of arachnids. *February 2021*
Project title: Systematic revision and phylogenetic analysis of *Tityus* (Scorpiones: Buthidae): using morphological and molecular evidence. *Advisor:* Ricardo Pinto-da-Rocha (Ph.D.).
- **Biology department, Universidad del Valle**, Cali, Valle, Colombia
Bachelor in Sciences, taxonomy of arachnids. *July 2013*
Project title: Taxonomy of the Colombian species of *Tityus* (*Archaeotityus*) (Scorpiones: Buthidae). *Advisors:* Eduardo Flórez D. (Ph.D.) and Ranulfo González (Ph.D.).

INTERESTS

- Arachnids, Biogeography, Systematics, Taxonomy.

RESEARCH EXPERIENCE

- **American Museum of Natural History**, New York City, NY, U.S.
NSF Postdoctoral Fellowship, systematics and genomics of arachnids. *May 2022- May 2024*
Project title: Systematics and evolution of Pedipalpi (whip spiders and whip scorpions): phylogenomics and morphology of understudied arachnids (NSF: 2003382)
Advisor: Lorenzo Prendini (Ph.D.)
- **American Museum of Natural History**, New York City, NY, U.S.
RGGS/NSF Postdoctoral Fellowship, systematics and genomics of arachnids. *May 2024- May 2026*
Project title: Neotropical biogeography assessed from the perspective of the World's most diverse scorpion genus, *Tityus*.
Advisor: Lorenzo Prendini (Ph.D.)

PUBLICATIONS

Published

1. Král, J., Sember, A., Divisová, K., Korínková, T., Reyes A., Herrera, I., Forman, M., Stáhlavský, F., Musilová, J., Kalme, S., Palacios Vargas, J.G., Zrzavá, M., Vrbová I., **Moreno-González, J.A.**, Cushing, P.E., Gromov, A.V., Sebestiánová, Prendini, L., & Bird, T.L. (2024) Advances in understanding the karyotype evolution of Tetrapulmonata and two other arachnid taxa, Ricinulei and Solifugae *Genes*, 16(207): 167.
2. Colmenares, P. A., Villarreal, O., **Moreno-González, J.A.** & Prendini, L. (2024) New genus and species of short-tailed whipscorpion (Schizomida: Hubbardiidae) from the Venezuelan Amazon. *Zootaxa*, 5563: 84095.
3. Botero-Trujillo, R., **Moreno-González, J.A.** & Prendini, L. (2024) Phylogeny of the Neotropical Hypoctonine whip-scorpions (Thelyphonida, Thelyphonidae), with descriptions of two new genera and species. *Insects*, 15, 1–39.
4. **Moreno-González, J.A.**, Bertani, R. & Carvalho, L. (2024) On one of the smallest Amazonian scorpions: description of a new species of *Microtityus* (Scorpiones: Buthidae) from Brazil, with a potential distribution analysis for the genus. *Zoosystema*, 46(10), 245–268.
5. **Moreno-González, J.A.**, Luna-Sarmiento, D.A. & Prendini, L. (2024) Phylogeny of the troglomorphic scorpion genus *Troglotayosicus* (Scorpiones: Troglotayosicidae) with description of a new species from Colombia. *American Museum Novitates*, 4011, 1–39.
6. Castillo-Figueroa, D., Castillo-Avila, C., **Moreno-González, J.A.**, & Posada, J.M. (2024) Habitat of two threatened short-tailed whip-scorpions (Arachnida: Schizomida) in the tropical Andes of Northern South America. *Journal of Insect Conservation*, 28, 503–509.
7. **Moreno-González, J. A.**, Gutierrez-Estrada, M. A. & Prendini, L. (2023) Systematic revision of the whip spider family Paracharontidae (Arachnida: Amblypygi) with the description of a new troglobitic genus and species from Colombia. *American Museum Novitates*, 4000, 1–36.
8. Martins, J., Bordon, K. de. C. F., **Moreno-González, J. A.**, Almeida, B., Pardal, P., Procopio, R., Arante, E. C., Lira, A. & Candido D. (2023) On the noxious black Amazonian scorpion, *Tityus obscurus* (Scorpiones, Buthidae): taxonomic notes, biology, medical importance and envenoming treatment. *Toxicon*, 228, 107–125.
9. Villarreal, O. M., Sánchez, N., Asceno, A., Carvalho, L. A., Delgado-Santa, L. & **Moreno-González, J. A.** (2023) The alien species *Stenochrus portoricensis* (Schizomida: Hubbardiidae): decreasing the Wallacean shortfall in the New World. *Iheringia- Zoologica*, 113, e2023005.
10. **Moreno-González, J. A.**, Pinto-da-Rocha, R. & Cabra-García, J. (2022) On the *Tityus forcipula*

- species group: redescription of *Tityus forcipula* (Scorpiones, Buthidae), description of a new Andean species, and notes on the taxonomy of the group. *Zootaxa*, 5155, 151–186.
11. Armas, L. F. de & **Moreno-González, J. A.** (2022) Singapore: native land of *Bucinozomus hortuspalmarum* Armas & Rehfeldt, 2015 (Schizomida: Hubbardiidae). *Revista Ibérica de Aracnología*, 40, 201–202.
 12. **Moreno-González, J. A.**, Pinto-da-Rocha, R. & Gallo, J. (2021) Bringing order to a complex system: novel phenotypic and genotypic evidence contribute to the taxonomy of *Tityus* (Scorpiones: Buthidae) and allow the description of a new species. *Zookeys*, 1075, 33–75.
 13. Giribet, G. & **Moreno-González, J. A.** (2021) Notes on brooding in the arachnid order Schizomida. *Journal of Arachnology*, 49-3, 410–414.
 14. Armas, L. F. de & **Moreno-González, J. A.** (2021) Predators of the short-tailed whipscorpions (Arachnida, Schizomida): Are they so few?. *Revista Ibérica de Aracnología*, 38, 189–190.
 15. Chirivi-Joya, D., **Moreno-González, J. A.** & Fagua, G. (2020). Two new species of the whip-spider genus *Heterophrynus* (Arachnida: Amblypygi) with complementary information of four species. *Zootaxa*, 4803, 1–41.
 16. **Moreno-González, J. A.**, González, R. & Flórez, A. E. (2019). Taxonomic revision of the Colombian *Tityus* (*Archaeotityus*) (Scorpiones, Buthidae) species: a morphological and morphometric approach, with a description of a new species. *Zootaxa*, 4660, 01–94.
 17. Segovia-Paccini, A., Ahumada, D. & **Moreno-González, J. A.** (2018). A new short-tailed whip-scorpion of the genus *Piaroa* (Schizomida, Hubbardiidae) from the Colombian Caribbean Region. *Zootaxa*, 4500, 91–103.
 18. **Moreno-González, J. A.** & Villarreal, M. O. (2017). Two new species of *Calima* **Moreno-González and Villarreal, 2012** (Arachnida: Schizomida: Hubbardiidae) from the Colombian Andes, with a discussion on the male flagellar microsetae of Hubbardiidae. *Journal of Natural History*, 51, 1–20.
 19. Pinto-da-Rocha, R., Andrade, R. & **Moreno-González, J. A.** (2016). Two new cave-dwelling genera of short-tailed whip-scorpions from Brazil (Arachnida, Schizomida, Hubbardiidae). *Zoología (Curitiba)*, 33(2), e20150195.
 20. Viquez, C., Chiriví, D., **Moreno-González, J. A.** & Christensen, J.A. (2014) *Heterophrynus armiger* Pocock, 1902 (Amblypygi: Phrynidae): First record from Colombia, with notes on its historic distribution records and natural history. *Check List*, 10, 457–460.
 21. **Moreno-González, J. A.**, Delgado-Santa, L. & Armas, L. F. de (2014) Two new species of *Piaroa* (Arachnida: Schizomida, Hubbardiidae) from Colombia, with comments on the genus taxonomy and the flagellar setae pattern of Hubbardiinae. *Zootaxa*, 3852, 227–251.
 22. **Moreno-González, J. A.** & Hazzi, N.A. (2012) Intraguild predation case: *Tityus forcipula* Gervais, 1843 (Scorpiones, Buthidae) feeding on *Chactas vanbenedeni* Gervais, 1843 (Scorpiones, Chactidae) in Colombia. *Revista Ibérica de Aracnología*, 117–120.
 23. **Moreno-González, J. A.** & Villarreal, M. O. (2012) A new genus of Hubbardiidae (Arachnida: Schizomida) from the Colombian Andes, with some taxonomic comments. *Zootaxa*, 3560, 61–78.

Submitted

24. Torres, R. A., Noriega, J. A. & **Moreno-González, J.A.** (2025) Two new species of *Microtityus* (Scorpiones, Buthidae) from the Colombian Caribbean region, with remarks on their taxonomy and conservation status. *Zootaxa*.
25. Damron, B., **Moreno-González, J.A.** & Pinto-da-Rocha, R. (2025) Phylogenetic placement of the enigmatic genus *Timesius* Simon, 1879 (Opiliones, Laniatores), with description of a new species from the Colombian Andes. *Zootaxa*.

SCIENTIFIC EVENTS PRESENTATIONS

Selected presentations- last five years

1. **Moreno-González, J. A.** (2024) Current state of knowledge of scorpions in Colombia. VII Latin american Congress of Arachnology, June 16–21, 2024, Universidad del Rosario, Bogotá, Colombia.
2. Fonseca-F., A., Fonseca-F., K., Romero-B., C., Castillo-A., A. & **Moreno-González, J. A.** (2024) Development of a web tool for the dissemination of biodiversity: case of scorpions in Colombia. VII Latin american Congress of Arachnology, June 16–21, 2024, Universidad del Rosario, Bogotá, Colombia.
3. Carvalho, L., Oliveira, B. B., Silva, M. I. L., Lira, A. F. A., **Moreno-González, J. A.**, Souza, C. A. R. & Brescovit, A. D. (2024) Biodiversity shortfalls on the Brazilian scorpion fauna: state of art and future prospects. VII Latin american Congress of Arachnology, June 16–21, 2024, Universidad del Rosario, Bogotá, Colombia.
4. Castillo-Figueroa, D., Castillo-Avila, C., **Moreno-González, J. A.** & Posada, J. M. (2024) Habitat of two species of short-tailed whip scorpions (arachnida: schizomida) in the Tropical Andes of Northern South America. VII Latin american Congress of Arachnology, June 16–21, 2024, Universidad del Rosario, Bogotá, Colombia.

5. Silva, I. S. S., **Moreno-González, J. A.** & Carvalho, L. S. (2024) Systematics of South American Schizomida (Arachnida: Pedipalpi): assessing the role of the male genitalia. VII Latin american Congress of Arachnology, June 16–21, 2024, Universidad del Rosario, Bogotá, Colombia.
6. **Moreno-González, J. A.** & Pinto-da-Rocha, R. (2019) Advances on the phylogeny of the Neotropical wastebasket scorpion genus *Tityus* (Scorpiones: Buthidae): a total evidence approach. Abstract book: XXXVIII Annual Meeting of the Willi Hennig Society, May 26–31, 2019, University of California at Berkeley, California, 20 pp.

AWARDS & ACHIEVEMENTS	•Ernst Mayr Travel Grant, Museum of Comparative Zoology (\$ 1,500 USD). <i>Date</i>: 2020. •Willi Hennig Society (WHS), Kurt Milton Pickett Intercontinental Travel Award for graduate students (\$ 1,200 USD). <i>Date</i>: 2019. •Internship fellowship (BEPE-FAPESP) (\$ 14,185 USD). <i>Date</i>: May–October 2019. <i>Selected Institution</i>: American Museum of Natural History, New York. •Ph.D. fellowship (FAPESP) (\$ 45,525 USD). <i>Date</i>: 2016-2021. •Vincent Roth Grant for taxonomy (\$ 500 USD), American Arachnological Society. <i>Date</i>: 2016. •2th best poster award, undergraduate student category. <i>Title</i>: A new genus of schizomids (Schizomida: Hubbardiidae) from the Central Colombian Andes. <i>Event</i>: III Latino American Congress of Arachnology, 4–9 December 2011, Colombia.
TEACHING EXPERIENCE	•<i>Complete course–Teacher</i>: Cell Biology. <i>Date and place</i>: 10 April–29 October 2021, Biology department, Universidad Industrial de Santander, Bucaramanga, Colombia. •<i>Complete course–TA</i>: BIZ0433 - Phylogenetic inference: philosophy, methods and applications. <i>Teaching advisor</i>: Fernando Portella de Luna Marques (PhD). <i>Date and place</i>: 01 March–28 June 2018, Biosciences Institute, University of São Paulo, São Paulo, Brazil. •<i>Short course</i>: Systematics and biology of arachnids. <i>Event</i>: VI Summer course on Zoology. <i>Date and place</i>: 22 January 2018, University of São Paulo, São Paulo, Brazil. •<i>Short course</i>: Principles of phylogenetic systematics: a theoretical-practical approach. <i>Event</i>: VI Summer course on Zoology. <i>Date and place</i>: 22 January 2018, University of São Paulo, São Paulo, Brazil. •<i>Lecture</i>: Smaller arachnids orders (Amblypygi, Palpigradi, Ricinulei, Schizomida, Solifugae, Uropygi) and Order Scorpiones. <i>Short course</i>: Biology and systematics of arachnids. <i>Date and place</i>: 09–13 December 2014, Unicartagena, Cartagena, Colombia. •<i>Lecture</i>: Smaller arachnids orders (Amblypygi, Palpigradi, Ricinulei, Schizomida, Solifugae, Uropygi) and Order Scorpiones. <i>Short course</i>: Biology and systematics of arachnids. <i>Date and place</i>: 10–14 December 2012, Unillanos, Villavicencio, Colombia.
JOURNAL REFEREE EXPERIENCE	•<i>Acta Amazonica, Arthropod Systematics & Phylogeny, Bulletin of the AMNH, Cladistics, PLOS ONE, Revista Brasileira de Zoologia, Revista Mexicana de Biodiversidad, Revista de la Academia Colombiana de Ciencias Exactas, ZooKeys, Zoosystematics and Evolution, Zootaxa.</i>
ADVISING EXPERIENCE	•<i>Master thesis</i>: Systematics and taxonomy of Schizomida (Arachnida: Pedipalpi): evaluating the role of the male genitalia. <i>Candidate</i>: Iara Siqueira. <i>Date and Institution</i>: 2020-2023, Universidade Federal do Piauí, Teresina, Piauí, Brazil. <i>Role</i>: co-advisor.
LANGUAGES	<i>Spanish</i>: Native. <i>English</i>: Intermediate. <i>Mandarin</i>: Beginner. <i>Portuguese</i>: Intermediate.

Updated on March 20, 2025