

# Guido A. Herrera-R. | CV

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✉ gherrer1@vols.utk.edu, guidohero@hotmail.com • 🌐 <https://guidohero.github.io/>

## Education

- **Ph.D. Ecology & Evolutionary Biology** **2020–**  
*The University of Tennessee* *Knoxville, TN*  
Advisor: Dr. Xingli Giam
- **M.Sc. Modeling of Ecological Systems** **2016–2018**  
*University of Toulouse III Paul Sabatier* *Toulouse, France*  
Honors (1st year) & Highest Honors (2nd year)  
Thesis: Combined effects of climate change and fragmentation by dams in Andean Amazon fishes.  
Advisor: Dr. Pablo A. Tedesco
- **B.Sc. Biology** **2011–2015**  
*Pontifical Javeriana University* *Bogotá, Colombia*  
Thesis: High endemism areas of fishes in the Colombian Andean Orinoco region inferred from species distribution models.  
Advisor: Dr. Javier A. Maldonado-Ocampo†

## Research and Work Experience

- **Consultant** **Jul–Sep 2023**  
*Wildlife Conservation Society (WCS) - Andes-Amazon-Orinoco (AAO) regional program* *Remote, US*  
"Analysis of the potential of the Ictio dataset to contribute to fisheries monitoring at scale"  
Supervisor: Dr. Sannie Brum
- **Graduate Research Assistant** **Jan–Sep 2023**  
*Conservation Ecology Lab, The University of Tennessee* *Knoxville, TN*  
SE CASC project: Climate- and land-cover-induced shifts in the distribution and abundance of invasive fish and their impacts on native fish communities in the Tennessee and Cumberland River Basins  
Supervisor: Dr. Xingli Giam
- **Laboratory Assistant** **Oct 2018–Dec 2019**  
*Tropical Rivers Lab, Florida International University* *Miami, FL*  
Supporting automated monitoring of water quality for the Amazon Citizen Science Project  
Supervisor: Dr. Elizabeth Anderson
- **Research Assistant** **Jun–Sep 2018**  
*Ecology & Biological Diversity Lab, Toulouse University III* *Toulouse, France*  
Measuring fish functional traits from photos and updating a global trait database  
Supervisors: Dr. Sébastien Brosse & Dr. Pablo A. Tedesco
- **Research Assistant** **Oct 2015**  
*Humedales Foundation* *Bogotá, Colombia*  
Fish diversity characterization in the EMGESA campus around Mambita, Colombia  
Supervisor: Dr. Saúl Prada-Pedrerros
- **Intern** **Jun–Aug 2015**  
*REU in Tropical Ecology & Evolution* *El Verde Field Station, Puerto Rico*  
Project: Factors regulating the distribution and abundance of *Sicydium* (Gobiidae: Perciformes) in headwater streams within El Yunque National Forest, Puerto Rico.  
Advisor: Dr. Pedro J. Torres

## Intern

Jan–Jun 2014

Bogotá, Colombia

- *Ichthyology Lab, Pontifical Javeriana University*  
Curatorial assistant for the fish collection at the Natural History Museum  
Supervisor: Dr. Javier A. Maldonado-Ocampo†

## Volunteer

Jul 2013

Miami, FL

- *Ecosystem Ecology Lab, Florida International University*  
Sample processing and mesocosm installation  
Supervisor: Dr. John Kominoski

## Submitted publications

- Anderson, E., Encalada, A., Couto, T., Beveridge, C., **Herrera-R, G.A.**, Heilpern, S., Almeida, R., Cañas-Alva, C., Correa, S., Souza, L. de, Duponchelle, F., Garcia-Davila, C., Goulding, M., López-Casas, S., Maldonado-Ocampo, J., Miranda, G., Montoya, M., Piland, N., Victoria-Lacy, L., Varese, M., and Jenkins, C. *Conserving Freshwater Connectivity of the Western Amazon* In Review
- Jenkins, C., Athayde, S., Beveridge, C., Correa, S., Espinoza, J., Heilpern, S., **Herrera-R, G.A.**, Lacy, L., Olivas, P., Oliveira, A., Piland, N., Utsunomiya, R., and Anderson, E. *The Global Importance of Amazonian Freshwaters* In Review
- Mateus-Aguilar, B., Díaz-Salazar, A., Batista, N., Andrade-Rivas, F., Cárdenas-Navarrete, A., Dávila Arenas, A., Hernández, K., **Herrera-R, G.A.**, Langhans, K., Levey, D., Neill, A., Nguyen, O., Ocampo-Peñuela, N., Suárez-Castro, A., Zapata, F., and Echeverri, A. *Relationships Between Biodiversity and Cultural Diversity are Scale Dependent* In Review. DOI: <http://dx.doi.org/10.2139/ssrn.4972547>
- Rodrigues, A., Correa, S., Jézéquel, C., Lugo-Carvajal, A., Hugueny, B., Doria, C., Arantes, C., Bailly, D., Couto, E. do, **Herrera-R, G.A.**, Bogotá-Gregory, J., Azevedo, J., Zuanon, J., Coronado-Franco, K., Holmgren, M., Anjos, M., Sleen, P. van der, Silva, V., Vries, W. de, Consortium, The AmazonFish, and Tedesco, P. *Deforestation in Amazonian floodplains impacts fruit-eating fish and forest-fish interactions* In Review

## Peer-reviewed publications (N=16 total, N=4 1st author)

- Echeverri, A., Batista, N., Wolny, S., **Herrera-R, G.A.**, Andrade-Rivas, F., Bailey, A., Cárdenas-Navarrete, A., Dávila Arenas, A., Díaz Salazar, A., Hernández, K., Langhans, K., Mateus Aguilar, B., Levey, D., Neill, A., Nguyen, O., Suarez-Castro, A., Zapata, F., and Ocampo-Peñuela, N. (In press). *Toward Sustainable Biocultural Ecotourism: An Integrated Spatial Analysis of Cultural and Biodiversity Richness in Colombia. People and Nature.*
- Hernandez, K. V., Andrade-Rivas, F., Batista, N., Cárdenas-Navarrete, A., Dávila Arenas, A., **Herrera-R, G.A.**, Langhans, K. E., Levey, D., Neill, A., Nguyen, O., Norzin, T., Ocampo-Peñuela, N., Sánchez Lopez, S., Wolny, S., Zapata, F., and Echeverri, A. (In press). *Disparity in Publicized National and International Vulnerability Status for Colombian Artisan Craft Plant Species. Ecosystem and People.*
- Couto, T. B. A., Jenkins, C. N., Beveridge, C. F., Heilpern, S. A., **Herrera-R, G.A.**, Piland, N. C., Leal, C. G., Zuanon, J., Doria, C. R. C., Montoya, M., Varese, M., Correa, S. B., Goulding, M., and Anderson, E. P. (2024). *Translating science into actions to conserve Amazonian freshwaters. Conservation Science and Practice*, e13241. DOI: <https://doi.org/10.1111/csp2.13241>.
- Herrera-R, G.A.**, Heilpern, S., Couto, T. B. A., Victoria-Lacy, L., Duponchelle, F., Correa, S. B., Farah-Pérez, A., López-Casas, S., Cañas-Alva, C. M., Doria, C. R. C., and Anderson, E. P. (2024). *A synthesis of the diversity of freshwater fish migrations in the Amazon basin. Fish and Fisheries* 25.1, pp. 114–133. DOI: <https://doi.org/10.1111/faf.12795>.
- Shen, M., Klink, R. van, Sagouis, A., Petsch, D., Abong'o, D., Alahuhta, J., Al-Shami, S., Armendáriz, L., Bae, M.-J., Begot, T., Belliard, J., Benstead, J., Bomfim, F., Bredenhand, E., Budnick, W., Callisto, M., Calvão, L., Camacho-Rozo, C., Cañedo-Argüelles, M., Carvalho, F., Chapman, J., Chapman, L., Chen, Q., Chernoff, B., Cibils-Martina, L., et al. (2024). *FreshLanDiv: A Global Database of Freshwater Biodiversity Across Different Land Uses. Global Ecology and Biogeography*. DOI: <https://doi.org/10.1111/geb.13917>.

- Heilpern, S., **Herrera-R, G.A.**, Fiorella, K., Moya, L., Flecker, A., and McIntyre, P. B. (2023). *Functional diversity sustains multiple dietary nutrients supplied by freshwater fisheries*. *Ecology Letters* 26.12, pp. 1887–1897. DOI: <https://doi.org/10.1111/ele.14299>.
- Herrera-R, G.A.**, Tedesco, P., DoNascimento, C., Jézéquel, C., and Giam, X. (2023). *Accessibility and appeal jointly bias the inventory of Neotropical freshwater fish fauna*. *Biological Conservation* 284. DOI: <https://doi.org/10.1016/j.biocon.2023.110186>.
- Brosse, S., Charpin, N., Su, G., Toussaint, A., **Herrera-R, G.A.**, Tedesco, P. A., and Villéger, S. (2021). *FISHMORPH: A global database on morphological traits of freshwater fishes*. *Global Ecology and Biogeography* 30.12, pp. 2330–2336. DOI: <https://doi.org/10.1111/geb.13395>.
- Duponchelle, F., Isaac, V. J., Rodrigues Da Costa Doria, C., Van Damme, P. A., **Herrera-R, G.A.**, Anderson, E. P., Cruz, R. E. A., Hauser, M., Hermann, T. W., Agudelo, E., et al. (2021). *Conservation of migratory fishes in the Amazon basin*. *Aquatic Conservation: Marine and Freshwater Ecosystems* 31.5, pp. 1087–1105. DOI: <https://doi.org/10.1002/aqc.3550>.
- Gibson, N., Green, E., **Herrera-R, G.A.**, Love, S., Turner, S., Weatherton, M., Faidiga, A., Luo, A., Ngoh, M., Shershen, E., et al. (2021). *Toward an ecology of disasters: a primer for the pursuit of ecological research on disasters*. *Ecology and Society* 26.4. DOI: <https://doi.org/10.5751/ES-12707-260422>.
- Herrera-R, G.A.**, Oberdorff, T., Anderson, E. P., Brosse, S., Carvajal-Vallejos, F. M., Frederico, R. G., Hidalgo, M., Jézéquel, C., Maldonado, M., Maldonado-Ocampo, J. A., et al. (2020). *The combined effects of climate change and river fragmentation on the distribution of Andean Amazon fishes*. *Global Change Biology* 26.10, pp. 5509–5523. DOI: <https://doi.org/10.1111/gcb.15285>.
- Encalada, A. C., Flecker, A. S., Poff, N. L., Suárez, E., **Herrera-R, G.A.**, Ríos-Touma, B., Jumaní, S., Larson, E. I., and Anderson, E. P. (2019). *A global perspective on tropical montane rivers*. *Science* 365.6458, pp. 1124–1129. DOI: <https://doi.org/10.1126/science.aax1682>.
- Angarita, H., Wickel, A. J., Sieber, J., Chavarro, J., Maldonado-Ocampo, J. A., **Herrera-R, G.A.**, Delgado, J., and Purkey, D. (2018). *Basin-scale impacts of hydropower development on the Mompós Depression wetlands, Colombia*. *Hydrology and Earth System Sciences* 22.5, p. 2839. DOI: <https://doi.org/10.5194/hess-22-2839-2018>.
- Urbano-Bonilla, A., Ballen, G. A., **Herrera-R, G.A.**, Zamudio, J., Herrera-Collazos, E. E., DoNascimento, C., Prada-Pedrerros, S., and Maldonado-Ocampo, J. A. (2018). *Fishes of the Cusiana River (Meta River basin, Colombia), with an identification key to its species*. *ZooKeys* 733, p. 65. DOI: <https://doi.org/10.3897/zookeys.733.20159>.
- DoNascimento, C., Herrera-Collazos, E. E., **Herrera-R, G.A.**, Ortega-Lara, A., Villa-Navarro, F. A., Oviedo, J. S. U., and Maldonado-Ocampo, J. A. (2017). *Checklist of the freshwater fishes of Colombia: a Darwin Core alternative to the updating problem*. *ZooKeys* 708, p. 25. DOI: <https://doi.org/10.3897/zookeys.708.13897>.
- Herrera-R, G.A.**, Murcia-Castillo, M. A., and Prada-Pedrerros, S. (2016). *First record of *Amatitlania nigrofasciata* (Günther, 1867)(Cichliformes: Cichlidae) as introduced species in natural freshwaters of Colombia*. *Check List* 12.4, p. 1932. DOI: <https://doi.org/10.15560/12.4.1932>.

## Other publications

- Álvarez Hincapié, C.F., Maldonado-Ocampo, J., Sanjuan, T., Álvarez-Dávila, E., Ajiaco, R.E., Buitrago, L., González, M.A., **Herrera-R, G.A.**, Ortiz Gallego, R., Plata, C., Polanco, A., Rosselli, L., Uribe, U., Alterio, H., Barrero, E.Y., and Laverde-R, O. (2021). *Estado de la biodiversidad en Colombia. Evaluación Nacional de Biodiversidad y Servicios Ecosistémicos de Colombia*. Ed. by R. Gómez-S., M.E. Chaves, W. Ramírez, M. Santamaría, G. Andrade, C. Solano, and S. Aranguren. Bogotá, D. C., Colombia: Instituto de Investigación de Recursos Biológicos Alexander von Humboldt, Programa de Naciones Unidas para el Desarrollo y el Centro Mundial de Monitoreo para la Conservación del Programa de las Naciones Unidas para el Medio Ambiente, Ministerio Federal de Medio Ambiente, Conservación de la Naturaleza y Seguridad Nuclear de la República Federal de Alemania, pp. 100–369.
- García-Alzate, C., Do Nascimento, C., Villa-Navarro, F.A., García-Melo, J.E., and **Herrera-R, G.A.** (2020). *Diversidad de Peces de la Cuenca del Río Magdalena, Colombia*. *Peces de la Cuenca del Río Magdalena*,

*Colombia: Diversidad, Conservación y Uso Sostenible*. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt, p. 434.

**Herrera-R, G.A.**, López-Casas, S., and Maldonado-Ocampo, J.A. (2018). *Análisis de Vulnerabilidad de Especies de Peces por Pérdida de Área de Distribución Debido al Cambio Climático en la Macrocuena Magdalena-Cauca. Análisis de Vulnerabilidad y Riesgo al Cambio Climático en la Macrocuena Magdalena-Cauca de las Planicies Inundables*. The Nature Conservancy, IDEAM, p. 434.

## Student Mentoring

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- Pablo Fernandez Cardona** Jan 2025–  
○ Undergraduate Student — Biology, Pontificia Universidad Javeriana Primary Advisor  
Project: Composition and Structure of Fish Communities Between Irrigation Canals and Natural Streams in Oil Palm Plantations in Cumaral, Meta
- Keisha Hunsucker** Jan–Dec 2023  
○ Undergraduate Student — Ecology & Evolutionary Biology, University of Tennessee Secondary Advisor  
Chancellor's Honors Program Project: Effect of Environmental Change on the Trait Composition of Fish Communities in the Tennessee River Basin Over the Past 20 Years
- Jacob Woodlief** Jan–Dec 2022  
○ Undergraduate Research Assistant — Ecology & Evolutionary Biology, University of Tennessee Supervisor
- Emily Brock** Jan–May 2022  
○ Undergraduate Research Assistant — Ecology & Evolutionary Biology, University of Tennessee Supervisor
- INSTARS Program** May 2019 & 2020  
○ Society for Freshwater Science Mentor
- Speed Mentoring** Dec 2022  
○ NSF EMERGE Program — Society for Freshwater Science Mentor

## Teaching experience

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- Graduate Teaching Assistant** Jan 2020–  
○ EEB 471 (2), BIOL 102 (1), 150 (1) and 159 (1) The University of Tennessee
- Undergraduate Teaching Assistant** Jan–July 2015  
○ Vertebrate Zoology Course, Professor: Dr. Saúl Prada-Pedrerós Pontifical Xavierian University  
Preparation of lab classes, fieldwork planning and student evaluation
- Tutor** July 2014–July 2015  
○ Writing Center, Professor: Blanca González Pontifical Xavierian University  
Supervising writing process of students in diverse topics (Economy, Engineering, Law, ect.)
- Undergraduate Teaching Assistant** July–Dec 2014  
○ Invertebrate Zoology Course, Professor: Dr. Dimitri Forero Pontifical Xavierian University  
Preparation of lab classes and student evaluation.

## Coursework

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- **The University of Tennessee:** CORE: Evolution [EEB 511. 3 CTS], CORE: Ecology [EEB 509. 3 CTS], Phylogenetic methods [EEB 587, 3 CTS], Advanced Topics: Meta-Analysis for Ecology and Evolution [EEB 681, 3 CTS], Advanced Mathematical Ecology I [EEB 681, 3 CTS].
- **University of Toulouse III:** Data analysis in ecology [AnEco, 3 ECTS], Temporal analysis for ecology [ATÉ, 3 ECTS], Detection and characterization of Ecological Patterns [DeCaPE, 3 ECTS], Modeling and In-Depth Numerical Analysis [MANA, 3 ECTS], Informatic tools for science [OtIS, 3 ECTS], Dynamical Systems in

Ecology [SysDynE, 3 ECTS].

- **Developing essential grant and funding skills for conservation** **2017**  
*International Congress for Conservation Biology* *Cartagena, Colombia*
- **Applied statistics and graphics with R (Rwizard)** **2015**  
*Pontifical Xavierian University* *Bogotá, Colombia*
- **Fundamentals in species distribution modeling and analysis** **2014**  
*Partners for the Conservation of the Colombian Amazon* *Bogotá, Colombia*
- **Factors affecting aquatic communities in the Orinoco** **2013**  
*Colombian Ichthyology Association* *Bogotá, Colombia*

## Skills

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- **Computer Programming:** R (Proficient), Scilab/Matlab, Python (Basics), L<sup>A</sup>T<sub>E</sub>X (Proficient).
- **GIS Software:** ArcGIS (Proficient), QGIS (Proficient), GRASS (Proficient).
- **Statistics:** Multivariate analyses, Species Distribution Models, Machine Learning, Mixed Models, Hypothesis testing.
- **Languages:** English (TOEFL IBT: 102), Spanish (Native), French (Fluent).
- **Diving:** SCUBA Open Water Diver.
- **Field work:** Fishes and water quality sampling in tropical streams in Colombia (Bogotá river and Piedmont Orinoco) and Puerto Rico (El Yunque National Forest and Rio Piedras river)

## Service and Other Appointments

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- 2024 - Graduate Student Representative:** *Diversity Committee, The University of Tennessee, Department of Ecology and Evolutionary Biology.*
- 2024 - Member:** *Council of Underrepresented Voices, Society for Freshwater Science.*
- 2023 - Collaborator:** *Harnessing AI for Strategic Hydropower Planning in the Magdalena Basin, Cornell University. PI: Alexander Flecker Carla Gomes.*
- 2022 - 2024 - Collaborator:** *Assessing Biocultural Values for Sustainable Tourism Planning in Colombia, Natural Capital Project - Stanford University / University of California, Berkeley. PI: Alejandra Echeverri.*
- 2020 - 2022 - Member:** *Science Group - Citizen Science for the Amazon, WCS.*
- 2020 - Participant:** *Working Group on Andes-to-Amazon Conservation Targets, Florida International University and WCS. Organizer: Elizabeth Anderson.*
- 2019 - 2020 - Author:** *IPBES National Biodiversity and Ecosystem Services of Colombia.*
- 2018 - 2019 - Participant:** *Living Andean Rivers Workshop, Florida International University and Universidad San Francisco de Quito. Organizer: Elizabeth Anderson.*

## Peer-review

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- 2020 - Journal reviewer:** *Revista de Ecología Aplicada (1), Science of the Total Environment (2), Fisheries Research (1), Hydrobiologia (1), Ecology and Evolution (1), Biotropica (1).*
- 2020 - Program reviewer:** *NSF - EMERGE Fellowship (1).*

## Invited presentations

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- 2024** *Populations, Functional Groups, and Migrations in Freshwater Fishes.* Ichthyology [Class]. National University of Colombia. Online.
- 2023** *A short introduction to meta-analyses in Ecology.* Applied Community Ecology [Class]. West Virginia University. November 8. Online.



**2023** *Unmasking functional syndromes on tropical freshwater fishes under land-use and land-cover changes.* Special talk. Freshwater Under 2023. Brisbane, Australia.

**2023** *Freshwater biodiversity responses to environmental change.* Seminar. March 16. Biology and Environmental Studies Departmental Seminar. University of North Carolina, Asheville, North Carolina.

## Conference presentations (Only 1st Author)

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**2024** *Unmasking taxonomic and functional responses of tropical fish communities under land-use and land-cover changes.* Oral presentation. Ecological Society of America (ESA) Meeting. Long Beach, CA.

**2023** *Unmasking functional syndromes on tropical freshwater fishes under land-use and land-cover changes.* Poster. December 2023. AGU Fall Meeting. San Francisco, CA.

**2023** *Building a pantropical database of freshwater fish communities: Building trust and partnership among underrepresented scholars.* Virtual presentation. Ecological Society of America (ESA) Meeting. Portland, OR.

**2022** *The diversity of migratory behaviors in the Amazon basin: a literature synthesis.* Oral presentation. July 10-14. 58th Annual Meeting of the Association for Tropical Biology and Conservation. Cartagena, Colombia.

**2022** *Functional traits regulate the temporal stability of freshwater fishes across organizational scales.* Oral presentation. May 14-20. Joint Aquatic Science Meeting. Grand Rapids, Michigan.

**2019** *Evaluación de riesgo de extinción de la ictiofauna de la macrocuenca Magdalena-Cauca en un contexto de cambio climático.* Oral presentation. July 17-19. XV Colombian Ichthyology Congress. Medellín, Colombia.

**2019** *Is freshwater migration a mechanism to avoid energetic limitation in Amazonian fishes?* Oral presentation. May 19-23. Society for Freshwater Science. Salt Lake City, Utah.

**2019** *Revealing fish endemism patterns in the Andean Orinoco region in Colombia.* Poster. August 5-9. IBS Humboldt Meeting. Quito, Ecuador.

**2018** *Freshwater fishes' vulnerability to climate change and fragmentation by dams in the Andean Amazon.* Oral presentation. July 23-26. AQUATROP Congress. Quito, Ecuador.

**2017** *Freshwater fishes' vulnerability to climate change and fragmentation by dams in the Andean Amazon.* Oral presentation. August 14-20. XIV Colombian Ichthyology Congress. Cali, Colombia.

**2016** *Fish endemism patterns in Colombian Andean Orinoco region from species distribution models: Implications for their conservation.* Poster. May 21-16. Society for Freshwater Science Meeting 2016. Sacramento, California, United States.

**2016** *Factors regulating the distribution and abundance of *Sicydium* (Gobiidae: Perciformes) in headwater streams within El Yunque National Forest, Puerto Rico.* Oral presentation. May 21-16. Society for Freshwater Science Meeting 2016. Sacramento, California, United States.

## Outreach

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**2020** *Blog post. "Por los ríos de la Amazonía."* Ciencia Ciudadana para la Amazonia.

**2018** *Infographic. "Peces de agua dulce: El conocimiento progresivo del patrimonio íctico de Colombia."* Reporte Biodiversidad 2017.

**2017** *Reportage. "Luchar a contracorriente para salvar a la guapucha."* Revista Pesquisa, No. 35, Marzo-Mayo 2016.

## Research grants

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| ○ <b>W. K. McClure Scholarship (\$5,000)</b>   | <b>2024</b> |
| ○ Center for Global Engagement - The University of Tennessee                                     |             |
| ○ <b>Breedlove, Dennis Award (\$1,500)</b>   | <b>2024</b> |
| ○ Department of Ecology and Evolutionary Biology and the Herbarium - The University of Tennessee |             |
| ○ <b>Graduate Student Conservation Research Award (\$1,000)</b>                                  | <b>2024</b> |
| ○ Conservation and Environmental Issues Committee - Society for Freshwater Science               |             |
| ○ <b>Graduate Student Research Award (\$4,164)</b>   | <b>2024</b> |
| ○ Graduate School - The University of Tennessee  |             |

<ul style="list-style-type: none"> <li>Global Catalyst Student International Travel Award (\$850)</li> <li>Center for Global Engagement - The University of Tennessee</li> </ul>	2023
<ul style="list-style-type: none"> <li>General Endowment Graduate Student Award (\$1,000)</li> <li>Society for Freshwater Science</li> </ul>	2023
<ul style="list-style-type: none"> <li>Simpson Endowment Award (\$1,000)</li> <li>Society for Freshwater Science</li> </ul>	2022
<ul style="list-style-type: none"> <li>Graduate Research Award (\$900 &amp; \$1,800)</li> <li>Department of Ecology and Evolutionary Biology - The University of Tennessee</li> </ul>	2022, 2021
<ul style="list-style-type: none"> <li>Ph.D. Fellowship for doctorates abroad (~ \$66,433)</li> <li>Ministry of Science, Technology and Innovation from Colombia</li> </ul>	2020-2024

## Honors and awards

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<ul style="list-style-type: none"> <li>Best Progress Towards Dissertation</li> <li>Department of Ecology &amp; Evolutionary Biology (EEB) - The University of Tennessee</li> </ul>	2024
<ul style="list-style-type: none"> <li>Open Science Section Presentation Award (\$300 &amp; \$500)</li> <li>Open Science Section - Ecological Society of America (ESA)</li> </ul>	2024, 2023
<ul style="list-style-type: none"> <li>Travel Award (\$800 &amp; \$540)</li> <li>Graduate Student Senate - The University of Tennessee</li> </ul>	2023, 2022
<ul style="list-style-type: none"> <li>Oscar Roy Ashley Graduate Fellowship (\$4,000)</li> <li>Graduate School - The University of Tennessee</li> </ul>	2023-24
<ul style="list-style-type: none"> <li>NSF EMERGE Fellowship</li> <li>Society for Freshwater Science</li> </ul>	2023-24, 2021-22
<ul style="list-style-type: none"> <li>Best Graduate Student Oral Presentation - Applied Sciences category (\$400)</li> <li>Society of Freshwater Science - Joint Aquatic Science Meeting (JASM), Grand Rapids, Michigan</li> </ul>	2022
<ul style="list-style-type: none"> <li>Beagle Memorial Fund Award (\$500)</li> <li>Department of Ecology and Evolutionary Biology - The University of Tennessee</li> </ul>	2021
<ul style="list-style-type: none"> <li>Beca TNC: Investigación en sistemas andinos de agua dulce (\$500)</li> <li>Humboldt Meeting 2019</li> </ul>	2019
<ul style="list-style-type: none"> <li>Travel Award (\$350)</li> <li>WaterHackWeek Workshop 2019 - University of Washington</li> </ul>	2019
<ul style="list-style-type: none"> <li>Training Award - Pre-congress course</li> <li>Freshwater Working Group – Society for Conservation Biology Meeting 2017</li> </ul>	2017
<ul style="list-style-type: none"> <li>Travel Award (\$600)</li> <li>INSTARS Mentoring Program – Society for Freshwater Science Meeting 2016</li> </ul>	2016
<ul style="list-style-type: none"> <li>Research Experience for Undergraduates (REU) (\$5,500)</li> <li>University of Puerto Rico - Program Tropical Ecology &amp; Evolution</li> </ul>	2015
<ul style="list-style-type: none"> <li>Sponsored Membership</li> <li>International Biogeography Society</li> </ul>	2016
<ul style="list-style-type: none"> <li>Andres Bello Award</li> <li>Ministry of Education from Colombia</li> <li>Exceptional-grade at the national level in the ICFES* Biology section</li> </ul>	2010
<ul style="list-style-type: none"> <li>Best ICFES* score</li> <li>Colegio Gimnasio Mompiano</li> </ul>	2010

\*Standardized Test for high school students as a requirement for admission to universities in Colombia.