

Diego A. Cueva C., M.Sc.

Ph.D. candidate – Museum of Natural Science and Department of Biological Sciences, Louisiana State University, Baton Rouge, LA, USA
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Education

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|---|---------------------|
| Louisiana State University, Baton Rouge, LA, USA
Ph.D. student at Systematics, Ecology, & Evolution program
Advisor: Dr. Robb T. Brumfield | 2021-present |
| Museu de Zoologia da Universidade de São Paulo, São Paulo, SP, Brazil
M.Sc. Systematics, taxonomy, and animal biodiversity
Thesis: Molecular phylogeny of <i>Thraupis</i> Boie, 1826 (Aves: Passeriformes) and taxonomic review of the <i>Thraupis episcopus</i> (Linnaeus, 1766) - <i>Thraupis sayaca</i> (Linnaeus, 1766) species complex
Advisors: Dr. Luís Fábio Silveira and Dr. Gustavo A. Bravo | 2015-18 |
| Universidad Nacional de Colombia, Bogotá, Colombia
B.S. Biology
Thesis: Molt patterns and demographic criteria of <i>Zonotrichia capensis</i> (Aves, Passeriformes) in two locations of Bogotá city
Advisor: Dr. F. Gary Stiles
Honors: Best Thesis Award (3rd place) | 2008-14 |

Research Experience

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| Leader Field Expedition
Led two field expeditions, each lasting one month, traversing all the departments of the Pacific region of Colombia. Activities included planning, resource management, workshops with local communities, specimen collection, and preservation of high-quality DNA. | July 2022 and August 2023 |
| Research Assistant
Instituto Alexander von Humboldt - Ornithology collection
Support with the Institute's collecting trips and research activities. Focused on the diversity of birds of the Amazonian foothill in Putumayo, Colombia. | Mar-Sep 2019 |
| Research Intern
Harvard University - Museum of Comparative Zoology | Jun-Jul 2017 |

Perform phylogenetic analysis of Sanger samples and laboratory protocol for RADseq libraries.

Field Ornithologist

Jul 2016

LSUMNS-MZUSP expedition in Mato Grosso, Brazil.

Bird sampling by observation and collection with mist nets and shotguns.

Field Ornithologist

**Aug 2015,
Aug-Dec 2018**

Fundación Reserva Natural La Palmita

Bird sampling by point counts, transects, MacKinnon lists, and mist-netting.

Bird-banding Station Leader

**Nov 2014 -
Mar 2015**

Fundación Selva

Conduct transects to estimate abundances of migratory birds and lead a banding station in coffee plantations and high Andean Forest.

Bird-banding Internship

May-Oct 2012

Bandelier National Monument Park Flight Program

Bird banding and data collection at MAPS stations and during fall migration at Bandelier National Monument, NM, and Mesa Verde, CO. Migratory bird outreach at local schools.

Curatorial Experience

Collection assistance

**Fall 2022-
present**

Louisiana State University - Tissue Collection

Cutting subsamples of requested tissues stored in nitrogen tanks and super cool freezers. Labeling and organization of new incomes.

Collection assistance

Spring 2021

Louisiana State University - Ornithology collection

Curatorial of bones and skins collection. Taxidermy, identification, numbering, organization and attending request from external researchers

Collection assistant

2016-17

Museu de Zoologia da Universidade de São Paulo - Ornithology collection

Taxidermy and bird identification

Collection assistant**2013-14**

Instituto de Ciencias Naturales - Ornithology collection

Taxidermy of birds and room maintenance of Dermestidae beetles.

Research Assistant**Aug-Oct 2013**

Instituto Alexander von Humboldt - Ornithology collection

Develop a morphometric database of the high mountain birds of Colombia.

Other Professional Experience

Birdwatching Field Guide**Dec 2018-Feb**

Manakin Nature Tours

2019

Led birdwatching tours for nature enthusiasts, fostering a deep appreciation for local bird species and their habitats.

Jan-Mar 2020**Publications**

Cueva, D., Bravo, G. A., Silveira L. F. (2022). Systematics of Thraupis (Aves, Passeriformes) reveals an extensive hybrid zone between *T. episcopus* (Blue-gray Tanager) and *T. sayaca* (Sayaca Tanager). *Plos one*. 17(10), e0270892. <https://doi.org/10.1371/journal.pone.0270892>

Acevedo-Charry, O., Bonilla-S, N., Cano, N., Camargo, P. A., Carantón-Ayala, D., Carrillo, R., Chadid, M. A., Cortés, O., **Cueva, D.**, Díaz-Rodríguez, G. J., Marín-Gómez, O. H., López-O, J. P., Peralta-Zapata, N. A., Pérez-Amaya, N., Pinto-Gómez, A., Ramírez, W., & Stiles, F. G. (2021). Inventario, adiciones y análisis biogeográfico de las aves de San José del Guaviare, Guaviare, Colombia. *Ornitología Colombiana*, 19, 1–40.

Ocampo, D., Borja-Acosta, K. G., Lozano-Flórez, J., Cifuentes-Acevedo, S., Arbeláez-Cortés, E., Bayly, N. J., Caguazango, Á., Coral-Jaramillo, B., **Cueva, D.**, Forero, F., Gómez, J. P., Gómez, C., Loaiza-Muñoz, M. A., Londoño, G. A., Losada-Prado, S., Pérez-Peña, S., Ramírez-Chaves, H. E., Rodríguez-Posada, M. E., Sanabria-Mejía, J., ... Acevedo-Charry, O. (2021). Body mass data set for 1,317 bird and 270 mammal species from Colombia. *Ecology*, 102(3). <https://doi.org/10.1002/ecy.3273>

Cueva, D. (2018). Molt strategy and aging of Rufous-collared Sparrow (*Zonotrichia capensis*) in Bogotá, Colombia. *Caldasia*, 40(1), 18–26. <https://doi.org/10.15446/caldasia.v40n1.63337>

Montoya, P., Gonzalez, M. A., Tenorio, E. A., López-Ordóñez, J. P., Pinto Gómez, A., **Cueva, D.**, Acevedo Rincón, A. A., Angarita Yanes, C., Arango Martínez, H. M., Armesto, O., Betancur, J. S., Caguazango Castro, A., Calderon Leyton, J. J., Calpa-Anaguano, E. V., Cárdenas-

Posada, G., Castaño Díaz, M., Chaparro-Herrera, S., Diago-Muñoz, N., Franco Espinosa, L., ... Salgado-Negret, B. (2018). A morphological database for 606 Colombian bird species. *Ecology*, 99(7), 1693–1693. <https://doi.org/10.1002/ecy.2368>

Teaching experience

Teaching assistant for Biology 1209

2021

Louisiana State University - Biological Sciences department

Conduct laboratory practices on ecology and evolution for undergraduate students.

Teaching assistant in-Field Practices of Animal Taxonomy class (ornithology)

2011, 2013-14

Universidad Nacional de Colombia - Biology department

Guidance of undergraduate students on tools and methods for bird sampling and collecting.

Conferences, meetings, and workshops

COMPARATIVE GENOMICS (Workshop)

February 2024

- Fritz J. Sedlazeck, Ph.D. and Ingo Ebersberger, Ph.D.
- Organized by Physalia Courses

VII Colombian Congress of Ornithology

August 2022

- Poster

140th Annual Meeting of the AOS and the 23rd International Conference of BirdsCaribbean

June 2022

- Poster

Evolution

June 2021

- Oral presentation

North American Ornithological Conference (NAOC) 2020

August 2020

Phylogenomics Applied to Evolution and Ecology Studies (Workshop)

June 2019

- Fernando Alda Pons, Ph.D.
- Organized by Instituto Humboldt, Colciencias and Pontificia Universidad Javeriana

Scientific Writing in Ecology and Evolutionary Biology (Workshop)

March 2019

- Liliana M. Davalos, Ph.D. and Paola Pulido-Santacruz, Ph.D.
- Organized by Instituto Humboldt, Colciencias and Universidad Nacional de

Colombia

Use of Genomic Tools in Ornithology and Their Bioinformatic Analysis **August 2017**
(Workshop)

- Scott Edwards, Ph.D., Timothy Sackton, Ph.D., Allison Shultz, Ph.D., Gustavo Bravo, Ph.D. and Cecilia Kopuchian
- Ornithological Congress of the Americas

Ornithological Congress of the Americas **August 2017**

- Oral presentation

IV Colombian Congress of Zoology **December 2014**

- Oral presentation

Funding

Dr. Earl H. Weidner Award **2024**
LSU Museum of Natural Science

Research Internship Abroad **2017**
Fundação de Amparo à Pesquisa do Estado de São Paulo - FAPESP

Frank Chapman Memorial Fund Study Grant **2016**
American Museum of Natural History

Master Scholarship **2016**
Fundação de Amparo à Pesquisa do Estado de São Paulo - FAPESP

Equipment and Supplies Grant **2016**
Idea Wild

Equipment and Supplies Grant **2013**
Idea Wild

Professional references

Dr. Robb T. Brumfield - robb@lsu.edu
Associate Dean, College of Science
Curator of Genetic Resources, Museum of Natural Science
Louisiana State University

Dr. Gustavo A. Bravo - gbravo@humboldt.org.co
Curator of Ornithology
Instituto Alexander von Humboldt

Dr. Luís Fábio Silveira - lfs@usp.br
Professor and curator of ornithology
Museu de Zoologia da Universidade de São Paulo