

## NATALIA CRISTINA GARCIA, PhD

Postdoctoral Fellow | [Birds of the World](#)  
Cornell Lab of Ornithology  
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### APPOINTMENTS

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- 10/2024 – Present** **Postdoctoral Fellow**, Birds of the World project, Cornell Lab of Ornithology. Ithaca, NY.
- 09/2020 – Present** **Researcher**, Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina.
- 01/2020 – 08/2020** **Imogene P. Johnson Postdoctoral Teaching Fellow**, Cornell Lab of Ornithology. Ithaca, NY.
- 04/2018 – 12/2019** **Fuller Postdoctoral Fellow**, Cornell Lab of Ornithology. Ithaca, NY.
- 07/2017 – 09/2017** **Visiting Associate Professional Specialist**, Department of Ecology and Evolutionary Biology, Princeton University.
- 04/2016 – 03/2018** **Postdoctoral Fellow**, Ornithology Division, Argentinean Museum of Natural Sciences (MACN – CONICET), Buenos Aires, Argentina.
- 04/2011 – 03/2016** **Doctoral fellow**, Ornithology Division, Argentinean Museum of Natural Sciences (MACN – CONICET), Buenos Aires, Argentina.
- 10/ 2009 – 09/2010** **Intern**, Barcode of Life Project, Ornithology Division, Argentinean Museum of Natural Sciences (MACN – CONICET), Buenos Aires, Argentina.

### EDUCATION AND RESEARCH

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**2016 Ph.D. in Biological Sciences**, University of Buenos Aires. Advisor: Dr. Pablo L. Tubaro. PhD Research Topic: Phylogenetic comparative study of the patterns of vocal and plumage color variation in the 'Blue Clade' of the Cardinalids (Passeriformes: Cardinalidae).

**2011 Licentiate in Biological Sciences**. University of Buenos Aires. G.P.A: 8.86.

## PEER-REVIEWED PUBLICATIONS

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### 2023

20. **García, N. C.**, Campagna, L., Rush, A. C., Bowie, R. C., & Lovette, I. J. 2023. Comparative genomics of two Empidonax flycatchers reveal candidate genes for bird song production. *Evolution*, qpad096.

19. Sabio, M. N., Hrvoj-Alvarez, B., **García, N. C.**, & Cabanne, G. S. 2023. Song variation in a Neotropical mountain passerine, the Brown-capped Redstart (*Myioborus bruniceps*), is predicted by geographic isolation and environmental factors. *The Wilson Journal of Ornithology*, 135: 172–184.

### 2022

18. García, H. H. & **García N. C.** 2022. El hocó Colorado (*Tigrisoma lineatum*) es un depredador del Estornino Pinto (*Sturnus vulgaris*). *Nuestras Aves*, 67:143 –144.

17. **García, N. C.**, Barreira, A. S., & Tubaro, P. L. 2022. Sexual dichromatism may not be a good index of sexual or natural selection in the blue cardinalids (Aves: Passeriformes). *Ornithology* 139: ukac008.

16. Tobias, J. A., Sheard, C., Pigot, A. L., Devenish, A. J., Yang, J., et al. 2022. AVONET: morphological, ecological and geographical data for all birds. *Ecology Letters* 25: 581–597.

### 2021

15. Garrido Coria, P. S., Rendall, D., Panasiti Ros, R., **García, N. C.**, & Llambías, P. E. 2021. Structure and organization of songs of south temperate Grass Wrens (*Cistothorus platensis*). *Journal of Field Ornithology* 92: 365–376.

14. **García, N. C.**, & Robinson, W. D. 2021. Current and forthcoming approaches for benchmarking genetic and genomic diversity. *Frontiers in Ecology and Evolution* 9: 165.

13. Bazzano, T., Lucas, M., Inchaussandague, M. E., Skigin, D. C., **García, N. C.**, Tubaro, P. L., & A. S. Barreira. 2021. Mechanisms involved in the production of differently colored feathers in the structurally-colored Swallow Tanager (*Tersina viridis*; Aves: Thraupidae). *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution* 336: 404-416.

### 2020

12. Rabinowicz, S., **García, N.**, Herwood, T., Lazar, A., Hein, B., Miller, E., & Campagna, L. 2020. An avian dominance hierarchy at a supplemental water source in the Patagonian steppe. *PLoS One* 15: e0244299.

11. Kopuchian, C., Campagna, L., Lijtmaer, D. A., Cabanne, G. S., **García, N. C.**, Lavinia, P. D., Tubaro, P. L., Lovette, I. J. & A. S Di Giacomo. 2020. A test of the riverine barrier hypothesis in the largest subtropical river basin in the Neotropics. *Molecular Ecology* 29: 2137-2149.

### 2019

10. **García N. C.** 2019. What have we recently learned about song learning and social interactions? *Behavioral Ecology* 30: 1193-1195

## 2018

9. **García N. C.** & P. L. Tubaro. 2018. Dissecting the roles of body size and beak morphology on song evolution in the "blue" cardinalids (Passeriformes: Cardinalidae). *Auk* 135: 262–275.
8. **García N. C.**, Naka, L. & G. S. Cabanne. 2018. Vocal variation in relation to genetic structure in an Atlantic forest woodcreeper (*Xiphorhynchus fuscus*): evolutionary and taxonomic implications. *Journal of Ornithology* 159: 379-388

## 2017

7. Lavinia P. D., Nuñez Bustos E., Kopuchian C., Lijtmaer D. A., **García N. C.**, Hebert P. D. N. & P. L. Tubaro. 2017. Barcoding the butterflies of southern South America: Species delimitation efficacy, cryptic diversity and geographic patterns of divergence. *PloS one* 12: e0186845.

## 2016

6. **García N. C.**, Trujillo-Arias N., Kopuchian C. & G. S. Cabanne. 2016. First documented record of the Rufous-tailed Attila (Tyrannidae) for Corrientes, Argentina. *Revista Brasileira de Ornitologia* 24: 68-71.
5. Barreira A. S., **García N. C.**, Lougheed, S. C. & P. L. Tubaro. 2016. Viewing geometry affects sexual dichromatism and conspicuousness of noniridescent plumage of Swallow Tanagers (*Tersina viridis*). *Auk* 133: 530-543.
4. **García N. C.**, Barreira A. S., Lavinia P.D. & P. L. Tubaro. 2016. Congruence of phenotypic and genetic variation at the subspecific level in a Neotropical passerine. *Ibis*, 158, 844-856.

## 2015

3. **García N. C.**, Arrieta R. S., Kopuchian C. & P. L. Tubaro. 2015. Stability and change through time in the dialects of a Neotropical songbird, the Rufous-collared Sparrow. *Emu* 115: 309-316.
2. Lavinia, P. D., Escalante P., **García N. C.**, Barreira A. S., Trujillo-Arias N., Tubaro P. L., Naoki K., Miyaki Cristina Y., Santos F.R. & D.A. Lijtmaer. 2015. Continental-scale analysis reveals deep diversification within the polytypic Red-crowned Ant Tanager (*Habia rubica*, Cardinalidae). *Molecular Phylogenetics and Evolution* 89: 182-193.

## 2014

1. **García N. C.**, Barreira A. S., Kopuchian C. & P. L. Tubaro. 2014. Intra- and inter-specific vocal variation in three Neotropical cardinalids (Passeriformes: Fringillidae) and its relationship with body mass. *Emu* 114: 129-136.

## BOOK CHAPTERS

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- Barreira, A. S. & **N. C. García**. 2019. Visual and acoustic communication in Neotropical birds: diversity and evolution of signals. In: Reboreda, J. C., Fiorini, V. D. & D. T. Tuero (eds.) *Behavioral Ecology of Neotropical Birds* (p. 155- 183). Springer: Cham, Switzerland

## **PUBLISHED ABSTRACTS**

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2. Lavinia, P.D., Escalante, P., **García, N.C.**, Barreira, A.S., Trujillo-Arias, N., Tubaro, P.L., Naoki, K., Miyaki, C.Y., Santos, F.R. & D. A. Lijtmaer. 2015. From a local barcoding initiative to a continental-scale, multi-institutional assessment of avian diversification in the Neotropics. *Genome* 58, 242.

1. Barreira, A.S., **García, N.C.** and P. L. Tubaro. 2015. Is DNA barcode intraspecific variation associated with subspecies delimitation and phenotypic variation? *Genome* 58, 191.

## **INVITED TALKS AND SEMINARS**

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**2020** Fall 2020 Evolution, Ecology, Genetics & Genomics Seminar (E2G2), University of Rochester.

**2019** Ornithology Seminar, Department of Ecology and Evolutionary Biology, Cornell University.

**2018** Ornithology Seminar, Department of Ecology and Evolutionary Biology, Cornell University.

## **TEACHING EXPERIENCE**

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### **Cornell University**

**01/2020 – 05/2020** **Instructor of record**, “Global Avian Diversity”. BioEE4752

**10/2019 – 03/2020** **Co-instructor**, “Ecology and Conservation of Wildlife in the Neotropics – BiOEE2525/BiOEE2526”.

**10/2018 – 03/2019** **Co-instructor**. “Ecology and Conservation of Wildlife in the Neotropics – BiOEE2525/BiOEE2526”.

### **Argentinean Museum of Natural Sciences (MACN – CONICET)**

**06/2017** **Co-instructor**, “Extending and Enhancing DNA Barcoding Research in Argentina and Neighboring Countries: Ninth Leading Labs Training Workshop”.

**06/2016** **Co-instructor**, “Extending and Enhancing DNA Barcoding Research in Argentina and Neighboring Countries: Eighth Leading Labs Training Workshop”.

**06/2014** **Co-instructor**, “Extending and Enhancing DNA Barcoding Research in Argentina and Neighboring Countries: Sixth Leading Labs Training Workshop”.

**05/2013** **Co-instructor**, “Extending and Enhancing DNA Barcoding Research in Argentina and Neighboring Countries: Fifth Leading Labs Training Workshop”.

### **University of Buenos Aires**

**09/2009 – 02/2010** **Teaching assistant**, “Vertebrates”.

**09/2010 – 02/2011** **Teaching assistant**, “Vertebrates”.

**03/2011 – 07/2011** **Teaching assistant**, “Introduction to Zoology”.

## **EDITORIAL APPOINTMENTS**

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**10/2023 – Present** Associate Editor, Ornithology Research.

**01/2023 – 01/2024** Associate Editor, Revista Nuestras Aves (Aves Argentinas).

**02/2022 – Present** Associate Editor, Revista del Museo Argentino de Ciencias Naturales, n.s.

## UNDERGRADUATE MENTORSHIP

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**06/2022 – 06/2024** Juan Pablo Tsou, undergrad student, University of Buenos Aires. Undergrad thesis, title: *Latitudinal variation in the song and its complexity of the Grass Wren (Cistothorus platensis)*.

**2019 – 2020** Hannah Mirando, undergrad student, Cornell University. Assistant in the project *Vocal evolution in relation to feeding strategies in birds*.

## AWARDS

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**2023** Award to the Scientific Production by Young Researchers (under 40 years old) of the Argentinean Museum of Natural Sciences 2021-2022. Category: First Place. (*Primer Lugar, Premio a la Producción Científica de Investigadores Jóvenes (menos de 40 años) del Museo Argentino de Ciencias Naturales 2016-2017*).

**2018** Award to the Scientific Production by Fellows of the Argentinean Museum of Natural Sciences 2016-2017. Category: Special Mention. (*Mención especial, Premio a la Producción Científica de Becarios del Museo Argentino de Ciencias Naturales 2016-2017*).

## GRANTS

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**01/2023** PIBAA 28720210101063CO (CONICET).

**02/2021** PICT Joven 2019-03609 (ANPCyT).

**02/2017** British Ornithologists' Union (BOU). Career Development Bursary award.

**04/2016 – 03/2018** National Research Council of Argentina (CONICET). Post-doctoral Fellowship.

**09/2012** American Museum of Natural History. Frank M. Chapman Collection Study Grant.

**04/2011 – 03/2016** National Research Council of Argentina (CONICET). Doctoral Fellowship.

## LANGUAGES

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**Spanish.** Native speaker.

**English.** Fluent. Obtained the *Certificate in Advanced English* (2005) from the English for Speakers of Other Languages (ESOL) Examinations. University of Cambridge, UK.