



Eliseo Rafael Parra

neotropical ecologist & biology educator

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Education

2017
San Francisco State University, M.S.
Ecology, Evolution, and Conservation
Biology

2015
San Francisco State University, B.S.
Ecology and Evolution

2021 - Present
University of California Los Angeles,
PhD
Ecology & Evolution

Summary

My instructional emphasis on 2-year institutions is rooted in my values regarding community education and integration. Bringing an actively publishing and experienced evolutionary ecologist into an accessible college environment allows me to reach students who may rarely have a structured opportunity to directly learn about the opportunities and strategies they can utilize to pursue careers in wildlife biology.

My research indexes heavily on 15 years of experience observing mixed-species interactions in tropical rainforests. In taking a classical route from observation to inquiry and experimental design, many of the patterns my collaborators and I have described are broadly applicable and lend themselves to relatable conversations with both field-specific scientists and the general public.

Moving forward, our research leans into the bridging of machine learning and direct field-experience to create accessible tools for the monitoring of ecosystem health through measuring communication between species that experience conservation impacts directly.

Institutional Instruction

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| Adjunct Professor of Ecology and Evolution <i>Los Angeles Mission College</i> | 2023 |
| Adjunct Professor of Biology <i>Pierce College of Los Angeles</i> | 2023 |
| Adjunct Professor of Biology <i>Diablo Valley College</i> | 2019 |
| Adjunct Professor of Biology <i>Canada Community College</i> | 2018 |
| Laboratory Instructor, Biology I & II <i>San Francisco State University</i> | 2017 |

Field Instruction

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| Project Lead, Mixed Flock Network Behavior <i>National Science Foundation award 2032478</i> | 2023 |
| Field Coordinator, Avian Ecology <i>National Geographic Research and Exploration Grant WW-150R-17</i> | 2021 |
| Field Coordinator, Primate & Avian Behavior <i>National Geographic Research and Exploration Grant WW-9848-16</i> | 2016 |
| Field Coordinator, Avian Ecology <i>San Francisco State University & National Science Foundation</i> | 2015 |



Publications

Blumstein, Daniel T., et al. "Biological Lessons for Strategic Resistance Management." *Evolutionary Applications*, vol. 16, no. 12, 2023, pp. 1861-1871.

Ghose, Sonia L., et al. "Continent-Wide Recent Emergence of a Global Pathogen in African Amphibians." *Frontiers in Conservation Science*, vol. 4, 2023, article 1069490.

Martínez, Ari E., et al. "Adaptive Color Polymorphism and Unusually High Local Genetic Diversity in the Side-Blotched Lizard, *Uta stansburiana*." *PLoS One*, vol. 7, no. 10, 2012, article e47694.

Martínez, Ari E., et al. "Deconstructing the Landscape of Fear in Stable Multi-Species Societies." *Ecology*, vol. 98, no. 9, 2017, pp. 2447-2455.

Martínez, Ari E., et al. "Fear-Based Niche Shifts in Neotropical Birds." *Ecology*, vol. 99, no. 6, 2018, pp. 1338-1346.

Martínez, Ari E & Parra, E. et al. "Shared Predators Between Primate Groups and Mixed Species Bird Flocks: The Potential for Forest-Wide Eavesdropping Networks." *Oikos*, vol. 131, no. 10, 2022, article e08274.

Martínez, Ari E., et al. "The Structure and Organisation of an Amazonian Bird Community Remains Little Changed After Nearly Four Decades in Manu National Park." *Ecology Letters*, vol. 26, no. 2, 2023, pp. 335-346.

Hunts, et. al.. "Experimental Evidence of Alarm Eavesdropping on Amazonian Mixed-Flock Followers by Two Social Sentinel Species: The Dusky-Throated Antshrike *Thamnomanes Ardesiacus* and the Black-Faced Antbird *Myrmoborus Myotherinus*." *Ornitología Neotropical*, vol. 30, 2019, pp. 224-228.

Parra, E, et al. "Observations of Rufous-Vented Ground Cuckoo *Neomorphus geoffroyi* Associating with Mixed-Species Flocks." *Cotinga*, 2019, pp. 94-97.