

Luis Jose Aguirre-Lopez

PHD CANDIDATE

Carrboro, North Carolina

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Education

University of North Carolina

PHD BIOLOGY

- Advisor: Dr. Xiao Feng

Chapel Hill, North Carolina (USA)

2024 - present

Florida State University

PHD GEOGRAPHY

- Advisor: Dr. Xiao Feng

Tallahassee, Florida (USA)

2021 - 2023 (transferred out)

UNAM

MS BIOLOGICAL SCIENCES

- Advisor: Dr. Tania Escalante

Mexico City (Mexico)

2017 - 2020

University of Oviedo

BS BIOLOGY

- Undergrad research advisor: Dr. Tomas Emilio Diaz

Asturias (Spain)

2010 - 2016

Professional Experience

- 2024-now **Graduate Teaching/Research Assistant**, Department of Biology, UNC
- 2021-2023 **Graduate Teaching/Research Assistant**, Department of Geography, FSU
- 2017-2019 **Fieldwork Coordinator**, Conservation Biogeography Lab, UNAM
- 2014 **Internships in an environmental consulting**, Taxus S. L.
- 2014 **Internships in a zoo and species recovery center**, Faunastur S. L.

Publications

PUBLISHED

Feng, X., Peterson, A. T., **Aguirre-Lopez, L. J.**, Burger, J., Chen, X., Papeş, M. (2024) Rethinking ecological niches and geographic distributions in face of pervasive human influence in the Anthropocene. *Biological Reviews*.

Aguirre-Lopez, L. J., and Escalante, T. (2021). Use of distribution models in the conservation of a Mexican endemic lagomorph. *THERYA*, 12(3), 571.

SCIENTIFIC DISSEMINATION

Aguirre-Lopez, L. J., Espiritu-Guerrero, P. C., and Escalante, T. (2021). Conejo entre volcanes. ¿Cómo ves?, 273, 28-31.

Aguirre-Lopez, L. J., Espiritu-Guerrero, P. C., and Escalante, T. (2021). La transición entre dos reinos: el hogar del zacatuche. *Elementos* 124, 65-69.

COLLABORATIONS

SEMARNAT (2021). Program of Action for Conservation of Zacatuche (*Romerolagus diazi*), SEMARNAT/CONANP, Mexico.

Aguirre-Lopez, L. J. (2024) Species Distribution Models; Ecological Niche; and Factors linked to biodiversity: Environmental heterogeneity, in Escalante, T.; Morrone J. J.; and García-Trejo E. 2024. *Biogeografía Práctica*. ISBN: 978-607-30-9190-9

Awards, Fellowships, & Grants

2022	UROP mentorship grant , Center for Undergraduate Research and Academic Engagement, FSU	\$ 250
2020	Honorific mention for MS thesis , UNAM	
2017-2019	CONACYT scholarship , Mexican Government	\$14,500
2016	Santander Iberoamerica scholarship , Santander Bank - University of Oviedo	\$3,250
2014	Santander CRUE-CEPYME internship , Santander Bank - University of Oviedo	\$2,000
2012-2013	ERASMUS scholarship , European Union - University of Oviedo	\$3,250

Presentations

CONTRIBUTED PRESENTATIONS

Aguirre-Lopez, L.J., Feng, X. 2025. Oral presentation: Ecological Networks Across the Anthropogenic Landscape. A talk that I gave at the International Association for Landscape Ecology-North America at Raleigh, USA.

Carina Edwards and Ayyan Hussain, **Aguirre-Lopez, L.J.**. 2022. Use of very high resolution satellite imagery for sampling *Carnegiea gigantea* (Magnoliopsida: *Cactaceae*). Poster presented by mentored undergraduates: Undergraduate Research Symposium 2022 at Tallahassee, Florida.

Aguirre-Lopez, L.J., Escalante, T. 2019. Oral presentation: Conservation priorities for *Romerolagus diazi* based on species distribution models including biotic interactions. A talk that I gave at the IBS 2019 Humboldt Meeting & 2nd Latin American Biogeography Meeting at Quito, Ecuador.

Aguirre-Lopez, L.J., Espiritu-Guerrero, P.C., Escalante, T. 2018. Poster: Studies of the ecology and geographical distribution of mammals in the Iztaccihuatl-Popocatepetl National Park at State of Mexico, Mexico. A poster that I presented with Espiritu-Guerrero, P.C.

Photo-trapping contest & lab students advising invited by Escalante, T., at the XIV National Congress of Mammalogy at Merida, Mexico

Teaching Experience

Spring 2022	World Geography , Teaching Assistant	Florida State (FSU)
Summer 2022	World Geography , Instructor	FSU
Summer 2022	Practicum in Field Environmental Biology , Teaching Assistant	Notre Dame (ND)
Fall 2022	Landscape Ecology , Instructor	FSU
Summer 2023	World Geography , Instructor	FSU
Summer 2023	Physical Geography , Teaching Assistant	FSU
Summer 2023	Practicum in Field Environmental Biology , Teaching Assistant	ND
Fall 2023	Environmental Science , Teaching Assistant	FSU
Spring 2024-Now	Biology Research Skills , Teaching Assistant	North Carolina (UNC)

Professional Development _____

DEVELOPMENT

Introduction to Julia (2024), online, (2 hours)

Preventing Harassment and Discrimination for Non-Supervisors (2024), online, (1 hour)

Data Carpentry Workshop: Genomics (2021), online, data management and analysis for genomics research (16 hours)

Wallace, a modular software for monitoring species distributions (2019), tour of the workflow and extending functionality with custom R functions, at Quito, Ecuador (4 hours)

Photo-trapping R (2017), organization and analysis of photos from camera traps in R, at BUAP in Puebla, Mexico (30 hours)

SERVICE

Co-organizer of the symposium: Biodiversity in the anthropogenic landscapes: Patterns, Drivers, and Implications for conservation, IALE-North America 2025:
organization and moderator for one session

PEER REVIEW

BMC Plant Biology, Physical Geography, Fisheries Oceanography

PROFESSIONAL MEMBERSHIPS

International Association for Landscape Ecology (2025)

Asociación Mexicana de Mastozoología A. C. (AMMAC) (2022)