

# Luis Jose Aguirre-Lopez

PHD STUDENT

Carrboro, North Carolina

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## Education

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### 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

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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

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### PUBLISHED

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

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*.

### 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.

Species Distribution Models; Ecological Niche; and Factors linked to biodiversity. Environmental heterogeneity in Escalante, T.; Morrone J. J.; and García-Trejo E. On develop. Manual of biogeography practices. Project PAPIME PE203920 (DGAPA, UNAM)

## Awards, Fellowships, & Grants

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

## Presentations

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### CONTRIBUTED PRESENTATIONS

**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

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.

## Teaching Experience

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

## Professional Development

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### 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)

#### PEER REVIEW

BMC Plant Biology

#### PROFESSIONAL MEMBERSHIPS

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