

L. Viviana Romero Alarcon

Computational Biologist

I am interested in phylogenetic reconstruction analyses, software develop, statistical modeling, and integration of the new AI technologies to the phylogenetic comparative field.

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github.com/alarconvv

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EDUCATION

2020

Bucaramanga, Colombia

○ MSc. in Biology

Universidad Industrial de Santander

Thesis Title: Ancestral area of turtles (Pan-Testudines: Testudinata): An approach using geographical and temporal ranges.

2016

○ BSc. in Biology

Universidad Industrial de Santander

Thesis Title: Panbiogeography pattern of the Choco Province.

RESEARCH EXPERIENCE

2021-2023

Concepcion, Chile

○ Junior researcher

Universidad de la Santísima Concepción

Project: A flexible web platform for learning, teaching, and analysis in phylogenetic comparative biology - Fondecyt

Leader: Dr. Liam Revell

2021

Bogotá, Colombia

○ Junior Researcher

Universidad del Rosario

Project: New Turtles and Fossil Snakes from the Miocene at the Tatacoa Desert, Huila - Colombia: Phylogenetic, histological and paleobiogeographic implications - Colciencias

Leader: Dr. Edwin Cadena

TEACHING EXPERIENCE

2018-2021

Bucaramanga, Colombia

○ Lecturer

Universidad Industrial de Santander

Undergrad Classes: Systematics (Phylogenetic and Biogeographic Analysis); Biostatistics

LANGUAGES

Spanish



English



Portugues



SKILLS

R Python Bash Linux Scrum

Statistical Analysis Machine Learning

Phylogenetic Reconstruction PCM

Critical thinking Teamwork Leadership

AWARDS AND HONORS

2017

- **1st Place.** Poster. VI Simposio Colombiano de Biología evolutiva. Colombia.

2015

- **2nd Place.** Poster. Simposio Nacional de Evolución, Ecología y Medio Ambiente. Colombia.

2014

- **1st Place.** Presentation. X Congreso Latinoamericano de Herpetología. Colombia.

PUBLICATIONS

- Vallejos-Garrido et al. (2023) 10.1038/s41598-023-28497-0
- Diaz-Acevedo et al. (2019) <http://dx.doi.org/10.15517/rbt.v68i2.39347>
- Romero-Alarcon (2015-19) Vol 3-7 ISSN: 2500-6762 Colombia
- Romero-Alarcon (2016) github.com/alarconvv/biogeoclean

CONFERENCES

- Romero-Alarcon & Revell (2023) Evolution Meeting. USA
- Romero-Alarcon & Revell (2022) Evolution Meeting. USA
- Romero-Alarcon & Revell (2022) Sociedad Chilena de Biología. Chile
+ 14 conference more