

Dr. Beltrán Luis Carlos

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EDUCATION

UNIVERSITY OF ILLINOIS IN CHICAGO (UIC)

DOCTORATE IN BIOLOGY

Dissertation: Planting Composition Effects on Tropical Forest Restoration
May 2021 | Chicago, IL, USA

LAKE FOREST COLLEGE

BACHELLOR OF ARTS (B.A.) EN BIOLOGY & ENVIRONMENTAL STUDIES

Thesis: Post-Dispersal Seed Fate of *Ocotea floribunda* (Lauraceae) in Monteverde, Costa Rica
Mayo 2015 | Lake Forest, IL, USA
Cum Laude | GPA: 3.62/4.00

PRESENTATIONS

CONGRESO COLOMBIANO DE ECOLOGÍA (CCE)

"Recuperación de estructura forestal y diversidad en plantaciones de restauración de bosque tropical [August 30, 2022]

ASSOCIATION FOR TROPICAL BIOLOGY AND CONSERVATION CONFERENCE (ATBC)

"Functional Seed Traits as Predictors of Germination and Seedling Growth for Species with Potential for Restoration in Caquetá, Colombia" [July 14, 2022]

ECOLOGICAL SOCIETY OF AMERICA CONFERENCE (ESA)

"Restoration suppression by the invasive Asian swordtail fern in Los Tuxtlas, Veracruz, Mexico" [August 15, 2019]

FLUENCY

Spoken Languages:

- Spanish • Ingles

Programming Languages:

- R • HTML • CSS

MEMBERSHIPS

- Board Member of the Alliance for the Monteverde Institute (AMVI) [August. 2021 - Present]
- Vice-President of the Biology Graduate Student Association (BGSAA) [September 2020 - May 2021]

PROFESSIONAL EXPERIENCE

PONTIFICIA UNIVERSIDAD JAVERIANA

POSTDOCTORAL RESEARCHER [NOVEMBER 2021 - FEBRUARY 2023]

As a postdoctoral research assistant for Dr. Lilia L. Roa-Fuentes in the Department of Ecology and Territory, I facilitate the production of scientific publications from the research group.

HUMBOLDT INSTITUTE

WORKSHOP INSTRUCTOR [OCTOBER 31 2022 - NOVEMBER 1 2022]

Designed, compiled, and conducted a 16-hour long scientific writing workshop for scientists and staff of the Alexander von Humboldt Biological Resources Research Institute.

UNIVERSITY OF ILLINOIS, CHICAGO

TEACHING ASSISTANT [DURING THE PHD]

- BIOS 365 - Human Ecological Systems [Jan. 2021 - May. 2021]
- BIOS 331 - Ecology Laboratory [Aug. 2016 - Dec. 2020]
- BIOS 101 - Populations and Communities [Aug. 2015 - May 2016]

LAKE FOREST COLLEGE

TEACHING ASSISTANT [DURING THE B.A.]

- BIOL 220 - Ecology & Evolution [Aug. - Dec. 2013 & 2014]

RESEARCH EXPERIENCE

MONTEVERDE INSTITUTE

JANUARY 2016 - JULY 2016 | MONTEVERDE, COSTA RICA

- Established a lichen and bryophyte monitoring network throughout Monteverde (1200m - 1500m) on the trunks of 119 Lauraceae trees.
- Conducted reforestation workshops and lessons and assisted in the management of tree nurseries.

SMITHSONIAN TROPICAL RESEARCH INSTITUTE

JANUARY 2014 - MAY 2014 | BARRO COLORADO ISLAND, PANAMÁ

- Assisted in the maintenance and harvest of a research project investigating the responses of mycorrhizae to nutrient additions..

GALÁPAGOS NATIONAL PARK

OCTOBER 2015 - JANUARY 2016 | ESPAÑOLA ISLAND, GALÁPAGOS, ECUADOR

- Daily monitored over 700 Nazca Booby (*Sula granti*) nests to collect individual reproductive data and band chicks.

PUBLICATIONS

- Nieto Guzmán M. N., L. C. Beltrán, C. H. Rodríguez, and L. L. Roa-Fuentes. 2023. Functional Seed Traits as Predictors of Germination and Seedling Growth for Species with Potential for Restoration in Caquetá, Colombia. *Trees*. In Press.
- Beltrán L. C., C. Martínez-Garza, and H. F. Howe. 2022. Return of Forest Structure and Diversity in Tropical Restoration Plantings. *Ecosphere*. **13**:e4099.
- Beltrán, L. C., K. M. Aguilar-Dorantes, and H. F. Howe. 2020. Effects of a Recalcitrant Understory Fern Layer in an Enclosed Tropical Restoration Experiment. *Neobiota* **59**:99-118.
- Beltrán, L. C., and H. F. Howe. 2020. The Frailty of Tropical Restoration Plantings. *Restoration Ecology* **28**:16-21.
- Beltrán, L. C., and M. Tepos-Ramirez. 2019. *Microlophus delanonis* (Hood Lava Lizard) Cannibalism. *Herpetological Review Natural History Notes* **50**:787-788.