

Dr. Beltrán Luis Carlos

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EDUCATION

UNIVERSITY OF ILLINOIS AT CHICAGO (UIC)

DOCTORATE IN BIOLOGY
May 2021 | Chicago, IL, USA

LAKE FOREST COLLEGE

BACHELOR OF ARTS IN BIOLOGY
& ENVIRONMENTAL STUDIES

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

PRESENTATIONS

SEMINARIOS INSTITUCIONALES DEL CIBYC (UAEM)

MARCH 17, 2021 (POWERPOINT)

"La composición de plantaciones afecta el desarrollo de la estructura forestal"

ESA CONFERENCE

AUGUST 15, 2019 (POSTER)

"Restoration suppression by the invasive Asian swordtail fern in Los Tuxtlas, Veracruz, Mexico"

FLUENCY

Spoken Languages:

- Spanish • English

Programming Languages:

- R • HTML • CSS • Python

GRANTS & AWARDS

- Rufford Small Grant 2019 (£5,000)
- Elmer Hadley Research Grant 2019 (\$2,800)
- Elmer Hadley Research Grant 2018 (\$3,000)
- Bodmer International Travel Award 2018 (\$1,656)
- BIOS Photo Research Contest 2018 (\$1,200)

BOARD MEMBER

- The Alliance for the Monteverde Institute [Aug. 2021 - Present]

PHD RESEARCH & PUBLICATIONS

DISSERTATION: PLANTING COMPOSITION EFFECTS ON TROPICAL FOREST RESTORATION

August 2016 - May 2021 | Fieldwork in Los Tuxtlas, Veracruz, Mexico
Main Experimental Design: 24 (30 x 30 m) fenced plantings of (i) animal-dispersed species, (ii) wind-dispersed species, and (iii) unplanted plots to simulate natural succession.

- Beltrán L. C., C. Martínez-Garza, and H. F. Howe. 2021. Planting Composition Effects on Development of Forest Structure. *Ecological Applications*. *In Review*.
- 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., C. Whelan, C. Martínez-Garza, and H. F. Howe. Foraging by Cricetid Rodents in Tropical Restoration Plantings. *In Development*
- Beltrán L. C., C. Martínez-Garza, J. Campo, M. González-Meler, E. D. de Oliveira, A. Rivero-Villar, E. Solís-Villalpando, N. Glass, and H. F. Howe. Planting Composition Effects on Soil Nutrients after 13 Years of Restoration. *In Development*.
- Beltrán, L. C., and H. F. Howe. 2019. The frailty of tropical restoration plantings. *Restoration Ecology* **28**:16-21.

PAST 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, PANAMA

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

GALAPAGOS NATIONAL PARK

OCTOBER 2015 - JANUARY 2016 | ISLA ESPAÑOLA, GALAPAGOS, ECUADOR

- Daily monitored over 700 Nazca Booby (*Sula granti*) nests to collect individual reproductive data and band chicks.
- Beltrán, L. C., and M. Tepos-Ramirez. 2019. *Microlophus delanonis* (Hood Lava Lizard) Cannibalism. *Herpetological Review Natural History Notes* **50**:787-788.

PROFESSIONAL EXPERIENCE

TEACHING ASSISTANT AT UNIVERSITY OF ILLINOIS AT CHICAGO

- 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]

PEER TEACHER & STOCKROOM ASSISTANT AT LAKE FOREST COLLEGE

- BIOL 220: Ecology & Evolution [Aug. - Dec. 2013 & 2014]
- Biology Stockroom Assistant [Aug. 2011 - May 2015]