

Carlos J. Pardo De la Hoz

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EDUCATION

- 2018-present** Ph.D. in Biology, Duke University, Durham, NC, USA.
Advisor: François Lutzoni.
- 2013-2018** B.Sc. Microbiology, Universidad de los Andes, Bogotá, Colombia.
“Contrasting symbiotic patterns in two closely related lineages of trimembered lichens of the genus *Peltigera*”.
Co-advisors: François Lutzoni and Silvia Restrepo.

PUBLICATIONS

2020

7. Miadlikowska, J., Magain, N., Buck, W. R., Vargas Castillo, R., Barlow, G. T., **Pardo-De la Hoz, C. J.**, LaGreca, S., and Lutzoni, F. (2020). *Peltigera Hydrophila* (Lecanoromycetes, Ascomycota), a new semi-aquatic cyanolichen species from Chile. *Plant and Fungal Systematics*, 65 (1), 210-218.

2018

6. Miadlikowska, J., Magain, N., **Pardo-De la Hoz, C. J.**, Niu, D., Goward, T., Sérusiaux, E., Lutzoni, F., (2018). Species in section *Peltidea* (aphthosa group) of the genus *Peltigera* remain cryptic after molecular phylogenetic revision. *Plant and Fungal Systematics*, 63(2), 45-64.
5. **Pardo-De la Hoz, C. J.**, Magain, N., Lutzoni, F., Goward, T., Restrepo, S., Miadlikowska, J., (2018). Contrasting symbiotic patterns in two closely related lineages of trimembered lichens of the genus *Peltigera*. *Frontiers in Microbiology*, 9.
4. Rojas, P., **Pardo-De la Hoz, C. J.**, Calderón, C., Vargas, N., Cabrera, L. A., Restrepo, S., Jiménez, P., (2018). First Report of *Colletotrichum kahawae* subsp. *ciggaro* Causing Anthracnose Disease on Tree Tomato in Cundinamarca, Colombia. *Plant Disease*, 102 (10), 2031-2031.
3. Cabrera, L., Rojas, P., Rojas, S., **Pardo - De la Hoz, C.J.**, Mideros, M. F., Danies, G., Lopez-Kleine, L., Jiménez, P., Restrepo, S., (2018). Most *Colletotrichum* species associated with tree tomato (*Solanum betaceum*) and mango (*Mangifera indica*) crops are not host-specific. *Plant Pathology*, 67(5), 1022-30.

2017

2. Vargas, N., **Pardo-de La Hoz, C. J.**, Danies, G. Franco-Molano, A. E., Jiménez, P. Restrepo, S. Grajales, A., (2017). Defining the phylogenetic position of *Amanita* species from Andean Colombia. *Mycologia*, 109 (2), 261-276.

- 1. Pardo-De la Hoz, C.J.**, Calderón, C., Rincón, A. M., Cárdenas, M., Danies, G., López-Kleine, L., Restrepo, S., Jiménez, P., (2016). Species from the *Colletotrichum acutatum*, *Colletotrichum boninense* and *Colletotrichum gloeosporioides* species complexes associated with tree tomato and mango crops in Colombia. *Plant Pathology*, 65(2), 227-237.

GRANTS AND FELLOWSHIPS

2019	\$1,000	Duke Biology Grant-in-Aid of Research.
2018-2019	\$4,414	Special Topics Award, Mycological Society of America.
2016	€390	Travel Grant, International Association of Lichenology 8th Meeting.
2012-18	90% of tuition	“Quiero Estudiar” Scholarship, Universidad de los Andes.

AWARDS AND HONORS

2020	Honorable Mention for Teaching Department of Biology, Duke University.
2018	Elsevier Poster Prize – Evolution Theme 11th International Mycological Congress, San Juan, Puerto Rico.

PRESENTATIONS

2019	Duke Microbiome Center Lunch Seminar, Durham, NC. “An approach to measure specialization and community structure using phylogenetics”. Talk
2019	Mycological Society of America Annual Meeting, Minneapolis, USA. “Using phylogenetic specificity symmetry to compare bipartite networks of lichens, endophytes and mycorrhizae”. Poster presentation
2019	43rd New Phytologist Symposium, Zurich, Switzerland. “Using phylogenetic specificity symmetry to compare bipartite networks of lichens, endophytes and mycorrhizae”. Poster presentation
2018	11th International Mycological Congress, San Juan, Puerto Rico. “Using a phylogenetic framework to assess the role of symbiotic specificity in shaping evolutionary and spatial patterns of associations in trimembered lichens”. Poster presentation

- 2017** IX Latin American Mycology Congress, Lima, Peru.
“The role of symbiotic interactions in shaping evolutionary and spatial patterns in trimembered lichens from the genus *Peltigera*”.
Talk
- 2016** 8th International Association of Lichenology Meeting, Helsinki, Finland.
“Cryptic biodiversity and symbiotic patterns of association within the trimembered section *Chloropeltigera*”.
Talk
- 2015** V Simposio Colombiano de Biología Evolutiva.
“Phylogeography of *Amanita* spp., associated to *Quercus humboldtii* forest in Colombia”.
Poster presentation

TEACHING

- Spring 2020** Molecular Biology, Duke University.
- Fall 2017** Plant Pathology, Universidad de los Andes.
- Fall 2015** Fungal Biology, Universidad de los Andes.
- Fall 2014-Fall 2015** Parasitology, Universidad de los Andes.
- Fall 2013-Fall 2014** Cell Biology, Universidad de los Andes.

SKILLS

- Molecular biology** Nucleic acid isolation, molecular cloning, Sanger and next-generation sequencing (PacBio, Illumina).
- Phylogenetics** Sequence alignment, nucleotide and amino acid substitution model fitting, bayesian and likelihood tree estimation, phylogenetic conflict assessment, phylogenetic species delimitation, divergence time estimation, community phylogenetics.
- Bioinformatics** Metagenome assembly, binning and annotation; BLAST.
- Programming** R and Unix (proficient), python (intermediate).
- Languages** Languages - English (fluent), Spanish (native).