

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

2021

8. Stone, D. F., McCune, B., **Pardo-De la Hoz, C. J.**, Magain, N., and Miadlikowska, J. (2021). *Sinuicella denisonii*, a new genus and species in the Peltigeraceae from western North America. *The Lichenologist*, *53*, 185–192.

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.

2016

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

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|------------------|----------------|---|
| 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

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| 2021 | Finalist for the Ernst Mayr Award from the Society of Systematic Biologists
Virtual Evolution |
| 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

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| 2021 | Ernst Mayr Symposium, Virtual Evolution.
“Ancient radiation explains most phylogenetic conflicts among core genes from nostocalean cyanobacteria”.
Talk |
| 2020 | Torrey Botanical Society Guest Lecture, virtual.
“What can lichens teach us about the web of life?”.
Talk |
| 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** BIO 201L Molecular Biology Lab, two sections, Duke University.
- Fall 2017** Plant Pathology, one section, Universidad de los Andes.
- Fall 2015** Fungal Biology, one section, Universidad de los Andes.
- Fall 2014-Fall 2015** Parasitology, one section, Universidad de los Andes.
- Fall 2013-Fall 2014** Cell Biology, one section, Universidad de los Andes.

ACADEMIC & SCIENTIFIC SERVICE

Manuscript reviewer

Molecular Phylogenetics & Evolution

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).