Priscila Chaverri, Ph. D.

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PROFILE

My research asks a deceptively simple question: what makes plants and forests healthy? I study fungi, and sometimes other microbes, as partners in ecosystem resilience, integrating systematics, genomics, metabolomics, and community ecology. My work spans fungal biodiversity, the systematics of plant pathogens, and plant-microbe symbioses, and has recently expanded to examine how animal-mediated microbial dispersal relates to plant health. By connecting fundamental discovery with applications in agriculture (e.g., biological control) and conservation, my research seeks to better understand the ecological roles of microbes in plant-associated systems.

CURRENT AFFILIATIONS:

- Professor of Microbiology, Department of Natural Sciences, Bowie State University, Bowie, MD.
- Visiting Scientist, Natural Products Research Center (CIPRONA), University of Costa Rica, San Pedro, San José, Costa Rica.
- Affiliated Researcher, Research and Innovation Center (CENIBiot), National Center of High Technology (CeNAT-CONARE), Pavas, San José, Costa Rica.
- Adjunct Professor, Department of Civil and Environmental Engineering, University of Maryland, College Park, MD.

EDUCATIONAL BACKGROUND:

- B. Sc. in Forestry. Forestry School, Instituto Tecnológico de Costa Rica (ITCR). Cartago, Costa Rica.
- Ph. D. in Plant Pathology. Department of Plant Pathology, The Pennsylvania State University, University Park, Pennsylvania. Title of dissertation: “Studies on the systematics of *Hypocrea-Trichoderma* (Hypocreaceae, Hypocreales, Ascomycota): Species with green ascospores.” (Ph.D. advisor: Dr. Gary J. Samuels).

I. EXPERIENCE:

- 2026-present: Professor of Microbiology, Department of Natural Sciences, Bowie State University (BSU). Bowie, Maryland, USA.

- 2022-2026: Associate Professor of Microbiology, Department of Natural Sciences, Bowie State University (BSU). Bowie, Maryland, USA.
- 2021-2026: Visiting Scientist, U.S. Department of Agriculture (USDA), Agricultural Research Service, Mycology and Nematology Genetic Diversity and Biology Laboratory, Beltsville, Maryland.
- 2013-2024 (2013-2019, 1/2 FT; 2019-2024, Full-time): Associate Professor of Mycology, School of Biology, and Natural Products Research Center (CIPRONA), University of Costa Rica (UCR). San José, Costa Rica. (on leave Jun. 1, 2021-Dec. 31, 2024).
- 2021-2022 (Jun. 2021 - Oct. 2022, Full-time): ORISE Fellow, USDA, Agricultural Research Service, Mycology and Nematology Genetic Diversity and Biology Laboratory. Beltsville, Maryland, USA
- 2008-2019: Associate Professor (with tenure) (2013-2019, 1/2 FT), Assistant Professor (2008-2013, Full-time) of Mycology, Department of Plant Sciences and Landscape Architecture, University of Maryland (UMD), College Park, Maryland, USA.
- 2005-2008 (Full-time): Assistant Professor of Mycology, Department of Biology, Howard University, Washington D.C., USA
- 2003-2006: Mold Laboratory Supervisor (part-time consultant), BTS Laboratories (Rx Environmental Inc.), Waldorf, Maryland, USA
- 2003-2005 (Full-time): Post-doctoral Research Associate, Plant Pathology & Plant-Microbe Biology Section, Cornell University, Ithaca, NY, USA
- 2001-2002 (part-time, one year): Fungi identifier, USDA-Animal and Plant Health Inspection Service (APHIS), Beltsville, Maryland, USA
- 1998-2003 (Full-time): Graduate Research Assistant, The Pennsylvania State University, University Park, Pennsylvania, USA

II. GRANTS AND RESEARCH PROJECTS:

II.1. GRANTS AND PROJECTS AS PRINCIPAL INVESTIGATOR:

- 2026-2027: USDA-APHIS Plant Protection Act. DNA barcoding of downy mildew specimens (Peronosporaceae, Oomycota) on ornamental plants present in the U.S. National Fungus Collection (BPI). PIs: P. Chaverri (BSU) and C. Salgado-Salazar (USDA-ARS). ~$195,500.
- 2025-2028. NSF-DEB. Exploring the role of fruit-eating bats in the dispersal of plant pathogens and the Escape hypothesis. Lead PI: P. Chaverri (BSU). Co-PIs: G. Chaverri and M. Chavarría (UCR). ~$920,000.
- 2023-2026. U.S. National Science Foundation (NSF), Plant-Biotic Interactions program MCA: Diversity of mycoviruses in fungal endophytes and their cryptic roles in plant health. PI: P. Chaverri (BSU). Collaborators: J. Culver (UMD), M. Chavarría (UCR & CENIBiot). ~$325,000.

- 2021-2024. UCR-Research Groups Grant. Revealing the phyllosphere microbiome in coffee plants (*Coffea arabica*) and their interaction with the coffee rust (*Hemileia vastatrix*). Lead PI: A. Gatica; co-PIs: P. Chaverri, C. Rodríguez, V. Vásquez, J.P. Pérez. $50,000
- 2021-2023. UCR Stimulus Funds. Polyphasic taxonomy of endophytic Hypocreales (Ascomycota). Lead principal investigator (PI): P. Chaverri (UCR). $15,000
- 2019-2021. UCR-Seed Grant. Characterization of the mycobiota associated to the biodeterioration of historical documents in Costa Rica. Lead PI: M. Chavarría; co-PIs P. Chaverri and M. Montero. $18,000
- 2018-2021. FEES-CONARE. Effects of endophytic fungi in health and resilience of coffee plants. Lead PI: P. Chaverri (UCR). $50,000
- 2018-2020. UCR. Endophytic fungi in seagrasses in the Caribbean and Pacific coasts of Costa Rica. Lead PI: P. Chaverri (UCR). Co-PIs: J. Samper-Villareal and J. Cortés-Nuñez (UCR). $11,000
- 2017- 2020. U.S. Department of Agriculture-NIFA (Specialty Crop and Multi-state Initiative program). Reliable and customized biocontrol for *Fusarium* wilt of tomato. Lead PI: S. Kang (Penn State). Co-PIs: P. Chaverri (UMD), B. Gugino, T. Bell (Penn State), G. Vallad (U. of Florida). $770,000
- 2017-2018. UCR. Systematics of endophytic fungi associated to wild Rubiaceae plants in natural forests. Lead PI: P. Chaverri (UCR). $3500
- 2017-2019. UCR. Effects of thermal changes on endophytic fungi from plants in tropical alpine (paramo) ecosystems. Lead PI: P. Chaverri (UCR). $6500
- 2017-2019. UCR. Biodiversity of endophytic fungi in fruits affecting the plant metabolome. Lead PI: P. Chaverri (UCR). Co-PIs: G. Chaverri, G. Tamayo. $7000
- 2016-2022. U.S. National Science Foundation (NSF), Dimensions of Biodiversity program Collaborative Research: Dimensions: Secondary metabolites as drivers of fungal endophyte community diversity. PIs: P. Chaverri (UMD), and J. Slot and A.P. Alonso (Ohio State University). ~$2,000,000
- 2013-2014. Conservation, Food and Health Foundation. Fruit-eating bats and endophytic fungi: an unexplored indirect mutualism. Lead PI: P. Chaverri (UCR). Co-PI: G. Chaverri. $20,000
- 2012-2015. NSF, Advancing Digitization of Biological Collections program: Digitization TCN: Collaborative: The Macrofungi Collection Consortium: Unlocking a Biodiversity Resource for Understanding Biotic Interactions, Nutrient Cycling and Human Affairs. Lead PI: B. Thiers (New York Botanical Garden). Co-PIs: multiple PIs, including P. Chaverri (UMD). $2,900,000.
- 2010-2015. NSF, Biotic Surveys and Inventories Program: Systematics of fungi associated to wild rubber (*Hevea* spp.) trees in the Amazon basin: Searching for specialized biocontrol agents against economically important plant pathogens. Lead PI: P. Chaverri (UMD). Co-PIs: K. Wurdack (Smithsonian NMNH), V. Pujade-Renaud (CIRAD, France), J. Guyot

(CIRAD, French Guiana), A. Goes-Neto (Brazil). $650,000. Supplements: NSF-IREU: $17,000; and NSF-PEER with Brazil: $100,000

- 2007-2013. NSF, Partnerships for Enhancing Expertise in Taxonomy. Monographic studies of the plant- and insect-associated genera: *Nectria*, *Neonectria*, and *Cosmospora* (Nectriaceae, Hypocreales). Lead PI: P. Chaverri (UMD). Co-PIs: A. Rossman, G. Samuels (ARS-USDA). $750,000
- 2007-2010. NSF, Biotic Surveys and Inventories Program: Biodiversity of fungal endophytes in rubber trees: Towards understanding their role as plant protection agents. Lead PI: P. Chaverri (UMD). $200,000
- 2002: U.S. National Geographic Society, Committee for Research and Exploration. Project: Effects of forest disturbance and regeneration on hypocrealean fungal diversity. Lead PI: P. Chaverri (Penn State). $5,000
- 2002: Conservation, Food and Health Foundation. Project: Effects of forest disturbance and regeneration on hypocrealean fungal diversity. Lead PI: P. Chaverri (Penn State). $5,000

II.2. GRANTS AS COLLABORATOR

- 2021-2025. NSF-CAREER. Coffee fungi below and aboveground: agroecological experiments for teaching and learning about fungal diversity and ecosystem function. Lead PI: L. Aldrich-Wolfe (North Dakota State University). Collaborator: P. Chaverri. ~$1,160,000
- 2020-2022. NSF-EAGER. Spillover of coffee diseases into forest ecosystems and consequences for forest plant communities. Lead PI: L. Aldrich-Wolfe (North Dakota State University). Collaborators: P. Chaverri, C. Lindell (Michigan State University), B. Bachelot (Oklahoma State University). $200,000
- 2018-2022. U.S. Department of Energy, Joint Genome Institute. Genus-wide genomics of the biomass-degrading and plant-beneficial *Trichoderma*. Core team: U.S. coordinator: R. Berka; co-PIs: I. Druzhinina, P. Chaverri, S. Baker, M. Schmoll, A. Tsang, R. DeVries, I. Grigoriev. (Funds for ~300 genomes and transcriptomes)

II.3. OTHER PROJECTS:

- Entomopathogenic fungi on tarantulas. Lead PI: M. Chavarría (UCR). Co-PI: P. Chaverri.
- "Fungi for the bioremoval/bioremediation of PCBs and PFAS" Collaborator: Birthe Veno Kjellerup (UMD)

II.4. CONTRACTS:

- 2023-2027. USDA, ARS, Non-Assistance Cooperative Agreement. Systematics and genomics of plant pathogens. Lead PI: P. Chaverri. Co-PI: L. Castlebury (USDA-ARS). $150,000

- 2015-2019. Coopetarrazú R.L. (Costa Rica) Funds for the project: Inoculación de endófitos benéficos a la planta del café [Inoculation of endophytic fungi in coffee plants]. Lead PI: P. Chaverri (UCR). $10,000
- 2016. MAG-PNAO-FITTACORI (Costa Rica): Probióticos vegetales naturales de origen fúngico para la salud y resiliencia de plantas de café en Costa Rica [Plant natural probiotics of fungal origin for the resilience and health of coffee plants in Costa Rica]. Lead PI: P. Chaverri. $5000
- 2014. USDA, ARS, Research Support Agreement with the Systematic Mycology and Microbiology Laboratory, to (1) assess long term viability of fungal cultures isolated from plant material (2) develop methods for long term preservation; and (3) identify important fungal strains to be preserved and deposited in public reference collections. Lead PI: P. Chaverri. Co-PI: L. Castlebury (USDA). $55,000
- 2008-2012. USDA, ARS, Specific Cooperative Agreement. Systematics of plant pathogenic and endophytic fungi based on multigene phylogenies. Lead PI: P. Chaverri. Co-PI: S. Rehner (USDA, ARS). $70,000

III. PUBLICATIONS:

*(*Graduate student; **Post-doc; or ***undergraduate student supervised by P. Chaverri)*

III.1. PUBLICATIONS IN JOURNALS:

1. Ramos R., Afkhami M., Aguilar-Trigueros C., Barbour K., **Chaverri P.**, Cuprewich S., Egan C., Lynn K., Peay K., Norros V., Romero-Olivares A., Ward L., Chaudhary B. A novel pipeline for the rapid expansion of ecological trait databases using LLMs. (submitted)
2. Bracale M., Escudero-Leyva E.**, Barreto R.W., Mizubuti E.S.G., Aldrich-Wolfe L., Lackmann J., **Chaverri P**. Microbiome restructuring and network shifts, rather than pathogen presence, linked to conilon coffee stem canker (submitted)
3. Calvo-Obando A., Losilla M., Valverde-Vargas G., Wicki-Emmenegger D., Calvo-Campos J., **Chaverri P.**, Chavarría M. Draft genome sequence of the cellulolytic *Trichoderma longibrachiatum* N-23 isolated from a 19th-century lithograph (under review)
4. Mora D., Christoffersen L.P., Clark M., **Chaverri P**., Chavarría M. Unveiling diversity and composition of the lichen-associated microbiome across Costa Rican ecosystems through multi-marker metabarcoding (under review)
5. Zúñiga-Umaña, J.M., **Chaverri, P**., Gatica-Arias, A. Climate-driven population structure of *Hemileia vastatrix* in Costa Rica: evidence from genetic diversity, urediniospore ultrastructure, and environmental regions (under review)
6. **Chaverri, P.,** Escudero-Leyva, E.**, Kooij, P.W., Morales-Lemus, C.*, Salgado-Salazar, C. 2026. Genomes of the ex-type strains of *Elsinoë mangiferae* and *E. perseae*, the causal agents of scab on mango and avocado. *G3: Genes*|*Genomes*|*Genetics* 16:jkag177
7. Lackmann, J.A., Bachelot, B., Lindell, C., Prado-Ragan, E., **Chaverri, P**., Escudero-Leyva, E., Errico, G., Orr, M., Oviedo Brenes, F., Figueroa, J., Aldrich-Wolfe, L. 2026. Ecological

spillover of coffee-associated foliar fungi from field to forest as a biotic edge effect in the Neotropics. *Nature Communications* 17:9025. Highlighted in *Nature Ecology and Evolution:* "Coffee spillovers", by Simon Harold (https://www.nature.com/articles/s41559-026-03177-0).

8. Alfaro-Vargas, P., Wicki-Emmenegger, D., Mesén-Porras, E., Vargas-Chacón, C., Bravo Bonilla, O., **Chaverri, P**., Chavarría, M. 2026. Draft genome sequence of the peptaibol producer *Trichoderma asperellum* TRC-03. *Microbiology Resource Announcements* 15:e00133-26.

9. Berkelmann, D., Zuñiga-Umaña, J.M., **Chaverri, P**., Solano, W., Gatica-Arias, A. 2026. Fungal diversity associated with coffee leaf rust (*Hemileia vastatrix*) pustules based on ITS1 amplicon sequencing. *World Journal of Microbiology and Biotechnology* 42: 153.

10. Steindorff, A., F. Cai, M. Ding, S. Jiang, L. Atanasova, S. Baker, J. Barbosa-Filho, G. B. Akcapinar, D. Brown, **P. Chaverri**, P. Chen, K. Chenthamara, C. Daum, E. Drula, M. Dubey, M. Brandstroem Durling, D. Flatschacher, T. Ebner, T. Emri, R. Gao, R. Georg, B. Henrissat, R. Hermosa, A. Herrera-Estrella, W. Hinterdobler, P. Kainz, M. Karlsson, L. Kredics, C. Kubicek, A. Kuo, K. LaButti, A. Lipzen, M. Lorito, R. Mach, G. Manganiello, M. Tamas, N. Martinez-Reyes, M. Mayrhofer-Reinhartshuber, M. Miskei, M-C. Moisan, S. Mondo, E. Monte, V. Ng, G. Pang, J. Pangilinan, M. Peng, E. Piombo, I. Pocsi, M. Rahimi, S. Reddy, R. Riley, S. Sarrocco, M. Schmal, M. Schmoll, A. Szucs, S. Woo, O. Yarden, S. Zeilinger, C. Zimmermann, E. Shelest, A. Tsang, R. Berka, R. de Vries, I. Grigoriev. 2026. Phenogenomics reveals the ecology and evolution of *Trichoderma* fungi for sustainable agriculture. *Nature Microbiology* 11: 815–831

11. Cuprewich, S.A., K.M. Barbour, M.E. Afkhami, K.M.T. Lynn, A.L. Romero-Olivares, C. Aguilar-Trigueros, **P. Chaverri**, C.P. Egan, V. Norros, K. Peay, R.J. Ramos, R. Stephens, L. Ward, B. Chaudhary. 2026. One hundred unanswered questions on the dispersal ecology of fungi. *ISME Journal* 20: wrag018

12. Escudero-Leyva, E.**, Belle, M.***, DadkhahTehrani, A., Culver, J.N., Araya-Salas, M., Kutza, J.P., Goldson, N.***, Chavarría, M., **Chaverri, P**. 2025. Genomic insights reveal community structure and phylogenetic associations of endohyphal bacteria and viruses in fungal endophytes. *Environmental Microbiome* 20:95.

13. **Chaverri, P.,** Escudero-Leyva, E.*, Mora-Rojas, D., Calvo-Obando, A., González, M., Escalante-Campos, E., Mesén-Porras, E., Wicki-Emmenegger, D., Rojas-Gätjens, D., Avey-Arroyo, J., Campos-Hernández, M., Castellón, E., Moreira-Soto, A., Drexler, J.F., & Chavarría, M. 2025. Differential microbial composition and fiber degradation in two sloth species (*Bradypus variegatus* and *Choloepus hoffmanni*). *Current Microbiology* 82: 327

14. **Chaverri, P**., Goldson, N.***, Romberg, M.K., Dadkhahtehrani, A., Castlebury, L.A. 2025. A new species of *Entyloma* (Entylomatales, Exobasidiomycetes) on the ornamental plant *Eryngium planum* expands the *En. eryngii* species complex. *Mycologia* 177: 435-444

15. Castillo-González, H.*, Slot, J.C., Yarwood, S., **Chaverri, P**. 2025. Exploring biodiversity dynamics and taxonomy of Rubiaceae fungal endophytes in tropical regions. *Peer Community Journal* 5: e26.

16. Bolívar-González A., Tapia-Fernández A., **Chaverri P**., Gatica-Arias A. 2025. Differential gene expression in response to *Hemileia vastatrix* in chemically mutagenized coffee plants (*Coffea arabica* L. var. Catuaí). *Plant Cell, Tissue and Organ Culture* 160: 79.

17. Silva Peixoto, G.H., Fernandes da Silva, R.A., Zacaroni, A.B., Silva, T.F., **Chaverri, P.**, Pinho, D.B., Marques de Mello, S.C. 2025. A Brazilian soil *Trichoderma* collection reveals a new species, *T. cerradensis* sp. nov. *Frontiers in Microbiology* 16:1279142.

18. Bhunjun CS, [+144 co-authors] Hyde KD, Crous PW. 2024. What are the 100 most-cited fungal genera? *Studies in Mycology* 108: 1-411. ***P. Chaverri** is 55th author and contributed to the chapter on *Trichoderma* (pp. 22-27)

19. Castillo-González, H.*, Bloomberg, J., Alvarado-Picado, E., Yarwood, S., **Chaverri, P**. 2024. Agricultural practices influence foliar endophytic communities in coffee plants of different varieties. *Agrosystems, Geosciences & Environment* 2024;7:e20476. Article highlighted in CSA News (volume 68, issue 8: pages 4-7), the news journal of Crop Science Society of America, Soil Science Society of America, and American Society of Agronomy (Joosse, T. 2024. Farming Practices, Fungal Endophytes, and Coffee. *CSA News* 69(8):4-7).

20. Zuffa, S., et al. [**P. Chaverri**: 36th co-author out of 106]. 2024. microbeMASST: A taxonomically-informed mass spectrometry search tool for microbial metabolomics data. *Nature Microbiology* 9: 336-345.

21. Hyde, K.D., et al. 2023. Global consortium for the classification of fungi and fungus-like taxa. *Mycosphere* 14(1): 1960-2012. (Global consortium paper with 100+ mycologists)

22. Escudero-Leyva E.*, Quirós-Guerrero, L., Vásquez-Chaves, V., Pereira-Reyes, R., **Chaverri, P.**, Tamayo-Castillo, G. 2023. Differential volatile organic compound expression from the interaction of *Daldinia eschscholtzii* and *Mycena citricolor. ACS Omega* 8: 31373-31388. (Article selected for the cover of volume 8, issue 34, of *ACS Omega*)

23. Scott, K., Konkel, Z., Glück-Thaler, E., Valero David, G.E., Farinas, C., Grootmyer, D., **Chaverri, P.,** Slot, J. 2023. Endophyte genomes support greater metabolic gene cluster diversity compared with non-endophytes in *Trichoderma. PLoS ONE* 18(12): e0289280

24. Escudero-Leyva, E.*, Granados-Montero, M., Orozco-Ortiz, C., Araya-Valverde, E., Alvarado-Picado, E., Chaves-Fallas, J.M., Aldrich-Wolfe, L., **Chaverri, P**. 2023. The endophytobiome of wild Rubiaceae as a source of antagonistic fungi against the American Leaf Spot of coffee (*Mycena citricolor*). *Journal of Applied Microbiology* 134: lxad090. (*The Microbiologist*, the news magazine for Applied Microbiology International, wrote a piece on this article. The news article is entitled: "Endophytes colonize and protect coffee seedlings" by L. Stewart; May 15, 2023)

25. **Chaverri, P**., Romberg, M., Montero-Vargas, M., McKemy, J., Rane, K., Balbalian, C.J., Castlebury, L.A. 2023. Phylogeographic and phylogenomic structure of the quarantine plant pathogen *Colletotrichum liriopes*, including new reports in the United States. *Plant Disease* 107: 2816-2824.

26. Escudero-Leyva, E.*, Vieto, S., Avendaño, R., Rojas-Gätjens, D., Agüero, P., Pacheco, C., Montero, M.L., **Chaverri, P**., Chavarría, M. 2023. Fungi with history: Unveiling the

mycobiota of historic documents of Costa Rica. *PLoS ONE* 18(1):e0279914. (Chaverri, corresponding author)

27. Rojas-Gätjens, D., Avey-Arroyo, J., **Chaverri, P**., Rojas-Jiménez, K., Chavarría, M. 2023. Differences in fungal communities in the fur of two- and three-toed sloths revealed by ITS metabarcoding. *Microbiology* 169: 001309.

28. Castro-Moretti, F.R., Cocuron, J.-C., Castillo-Gonzalez, H., Escudero-Levya, E.*, **Chaverri, P**., Filho, O.G., Slot, J.C., Alonso, A.P. 2023. A metabolomic platform to identify and quantify polyphenols in coffee and related species using liquid chromatography mass spectrometry. *Frontiers in Plant Science* 13:1057645.

29. Granados-Montero, M., Zuñiga-Castañeda, M., **Chaverri, P**., Escudero-Leyva, E.*, Mardones-Hidalgo, M. 2022. Patogenicidad de hongos asociados a plantas de fresa y descripción ultraestructural del patosistema [Pathogenicity of fungi associated to strawberries and ultrastructural description of the pathosystem]. *Agronomía Costarricense* 46: 9-28.

30. Campos-Esquivel, L.*, Hanson, P.E., Escudero-Leyva, E.*, **Chaverri, P**. 2022. Virulence of native isolates of entomopathogenic fungi (Hypocreales) against the "sweetpotato whitefly" *Bemisia tabaci* (Hemiptera: Aleyrodidae), including the effects of temperature and fungicides. *Journal of Invertebrate Pathology* 192: 07787.

31. Crous PW, Sandoval-Denis M, Costa MM, Groenewald JZ, van Iperen AL, Starink-Willemse M, Hernández-Restrepo M, Kandemir H, Ulaszewski B, de Boer W, Abdel-Azeem AM, Abdollahzadeh J, Akulov A, Bakhshi M, Bezerra JDP, Bhunjun A, Câmara MPS, **Chaverri P**, Vieira WAS, Decock CA, Gaya E, Gené J, Guarro J, Gramaje D, Grube M, Gupta VK, Guarnaccia V, Hill R, Hirooka Y, Hyde KD, Jayawardena RS, Jeewon R, Jurjević Ž, Korsten L, Lamprecht SC, Lombard L, Maharachchikumbura SSN, Polizzi G, Rajeshkumar KC, Salgado-Salazar C, Shivas RG, Summerbell RC, Sun GY, Swart WJ, Tan YP, Vizzini A, Xia JW, Zare R, González CD, Iturriaga T, Savary O, Coton M, Coton E, Jany J-L, Liu C, Zhuang W-Y, Yu Z-H, Zeng Z-Q, Thines M. 2022. *Fusarium* and allied fusarioid taxa (FUSA). 1. *Fungal Systematics and Evolution* 9: 161–199.

32. Fonseca, P.L.C., Skaltsas, D.*, Ferreira da Silva, F., Bentes Kato, R., Marques de Castro, G., Yupanqui García, G.J., Quintanilha-Peixoto, G., […], **Chaverri, P**., Vaz, A.B.M., Góes-Neto, A. 2022. An integrative view of phyllosphere mycobiome of native rubber trees in the Brazilian Amazon. *Journal of Fungi* 8: 373.

33. **Chaverri, P.,** Chaverri, G. 2022. Fungal communities in feces of the frugivorous bat *Ectophylla alba* and its highly specialized *Ficus colubrinae* diet. *Animal Microbiome* 4: 24

34. Escudero-Leyva, E.*, Alfaro-Vargas, P., Muñoz-Arrieta, R., Charpentier-Alfaro, C., Granados-Montero, M., Alvarado-Picado, E., Rodríguez-Rodríguez, C., **Chaverri, P**., Mora-Villalobos, A. 2022. Tolerance and biological removal of fungicides by *Trichoderma* species isolated from the endosphere of wild Rubiaceae plants. *Frontiers in Agronomy* 3: 772170 (P. Chaverri: corresponding author)

35. Vieto, S., E. Escudero-Leyva*, R. Avendaño, N. Rechnitzer, M.D. Barrantes-Madrigal, G. Conejo-Barboza, O.A. Herrera-Sancho, **P. Chaverri,** M. Chavarría. 2022. Biodeterioration and cellulolytic activity by fungi isolated from a nineteenth-century painting from the

National Theatre of Costa Rica. *Fungal Biology* 126: 101-112 (P. Chaverri: corresponding author)

36. Adamo, I., E. Ortiz-Malavasi, R. Chazdon, **P. Chaverri**, H. ter Steege, J. Geml. 2021. Richness and composition of soil fungal communities correlate with site-specific abiotic factors, tree community composition, and forest age in regenerating tropical rainforests. *Biology* 10(11): 1120. (Special issue: Diversity of Soil Fungal Communities) (cover image and story)
37. Crous, P.W., Lombard, L., Sandoval-Denis, M., Seifert, K.A., Schroers, H.-J., **Chaverri, P**., et al. 2021. *Fusarium*: more than a node or a foot-shaped basal cell. *Studies in Mycology* 98: 100116.
38. Barrera, V., Iannone, L., Romero, A. I., **Chaverri, P**. 2021. Expanding the *Trichoderma harzianum* species complex: Two new species from Argentinian natural and cultivated ecosystems. *Mycologia* 113: 1136-1155.
39. Granados-Montero, M., Chaves-Barrantes, N., **Chaverri, P**., Hernandez-Fonseca, J.C., Escudero-Leyva, E.* 2021. Fungi associated with common bean wilt in Costa Rica. *Revista Mexicana de Fitopatología-Mexican Journal of Phytopathology* 39(2): 289-301.
40. Seas, C.*, **Chaverri, P**. 2020. Response to experimental temperature increase by psychrophilic plant endosymbionts. *Royal Society Open Science* 7: 201405.
41. Fernandes da Silva, R.A., Pereira de Almeida, C., Reis, A., Mendes Aguiar, F., **Chaverri, P.,** Batista Pinho, D. 2020. Three new species of *Gliocephalotrichum* causing fruit rot on different hosts from the Brazilian cerrado. *Mycologia* 112: 1003-1016.
42. González, C.D.*, Morales, R.A., **Chaverri, P**. 2020. Life cycle and *in vitro* sporulation dynamics of *Corinectria constricta*, the causal agent of *Pinus radiata* stem canker, in Chile. *Forest Pathology* 80(3): e12594.
43. Montero-Vargas, M., Umaña-Jiménez, J., Escudero-Leyva, E.*, & **Chaverri, P**. 2020. Phylogenetic analysis of ITS data from endophytic fungi using Massive Parallel Bayesian Tree Inference with Exabayes. *Revista Tecnología en Marcha*, 33(5): 74-79.
44. Montero-Vargas, M., Escudero-Leyva, E.*, Díaz-Valerio, S., **Chaverri, P**. 2020. Step-by-step pipeline for the ecological analysis of endophytic fungi. *Current Protocols in Microbiology* 56(1):e96.
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III.2. BOOKS AND MONOGRAPHS:

106. Salgado-Salazar, C.*, Rossman, A.Y., **Chaverri, P**. 2016. The genus *Thelonectria* (Nectriaceae, Hypocreales, Ascomycota) and closely related species with cylindrocarpon-like asexual states. *Fungal Diversity* 80: 411–455. (Monograph)

107. Hirooka, Y.**, Rossman, A.Y., Samuels, G.J., Lechat, C., **Chaverri, P**. 2012. A monograph of *Allantonectria, Nectria*, and *Pleonectria* (Nectriaceae, Hypocreales, Ascomycota) and their pycnidial, sporodochial, and synnematous anamorphs. *Studies in Mycology* 71: 1210. (Monograph)

108. **Chaverri, P.**, Huhndorf, S., Rogers, J., Samuels, G.J. 2010. Microhongos Comunes de Costa Rica y otras regiones tropicales (Ascomycota, Pezizomycotina, Sordariomycetes). Common Microfungi of Costa Rica and other tropical regions (Ascomycota, Pezizomycotina, Sordariomycetes). INBio Editorial: Heredia. 241 pp. + 60 lam. pp. (Book)

109. **Chaverri, P.**, Liu, M., Hodge, K.T. 2008. Neotropical *Hypocrella* (anamorph *Aschersonia*), *Moelleriella*, and *Samuelsia*. *Studies in Mycology* 60: 1-68. (Monograph)

110. Samuels, GJ, Rossman, AY, **Chaverri, P.**, Overton, BE, Põldmaa, K. 2006. Hypocreales of the Southeastern United States: An Identification Guide. CBS Biodiversity Series No. 4. Centraalbureau voor Schimmelcultures (CBS): Utrecht. 145 pp. (Book)

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III.3. EXTENSION PUBLICATIONS:

Technical Notes (peer-reviewed):

112. Carvajal-Ruiz, A., Ávila-Arias, C., Murillo-Cruz, R., **Chaverri, P**. 2020. Severidad de la "Pudrición del tallo" en vivero sobre una colección genética de *Gmelina arborea* Roxb. [Severity of "Stem rot" in a genetic collection of nursery seedlings of *Gmelina arborea* Roxb.]. *Rev. Forestal Mesoamericana Kurú* 18(42).

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Refereed Extension Publications:

114. Arguedas, M., **Chaverri, P**. 1997. Abejones barrenadores, Cerambycidae [Wood-borer beetles, Cerambycidae]. Series: Forestry Pests. # 20: 1-8. Forest Engineering Department, Technological Information Center -CIT-, ITCR: Cartago.

115. **Chaverri, P**., Chavarría-Díaz, L. P. 1997. Avances en el inventario y recolección de especies de ascomicetos en el Área de Conservación Guanacaste [Advances in the collection and inventory of ascomycetous fungi in Guanacaste Conservation Area]. Boletín informativo Rothschildia 4(2).

116. Arguedas, M., **Chaverri, P**., Miller C. 1995. Control biológico de plagas forestales [Biological control of forest pests and diseases]. Series: Forestry Pests. # 17: 1-8. Forest Engineering Department, Technological Information Center -CIT-, ITCR: Cartago.

117. Arguedas, M., **Chaverri, P**., Miller, C. 1995. Cancro *Nectria* en especies forestales [*Nectria* canker on trees]. Series: Forestry Pests. # 18: 1-8. Forest Engineering Department, Technological Information Center -CIT-, ITCR: Cartago.

118. Arguedas, M., **Chaverri, P**. 1995. Enfermedades virales en Costa Rica [Viral diseases in Costa Rica]. Series: Forestry Pests. # 13: 1-8. Forest Engineering Department, Technological Information Center -CIT-, ITCR: Cartago, Costa Rica.

119. Arguedas, M., **Chaverri, P**. 1995. Enfermedades de la raíz [Root diseases]. Series: Forestry Pests. # 14: 1-8. Forest Engineering Department, Technological Information Center -CIT, ITCR: Cartago, Costa Rica.

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Reports:

121. Arguedas, M., Hilje, L., **Chaverri, P**., Quirós, L., Scorza, F., Araya, C. 1997. Catálogo de plagas y enfermedades forestales en Costa Rica [Catalogue of forest pests and diseases in Costa Rica]. Second edition. Programa Interinstitucional de Protección Forestal (Interinstitutional Forest Protection Program-PIPROF). Cartago. 67 p.

122. Arguedas, M., **Chaverri, P**. 1996. Plagas Forestales en Costa Rica [Forest Pests in Costa Rica]. Academic support series #22. Forest Engineering Department, ITCR. Cartago.

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III.4. OTHER PUBLICATIONS:

Field Guides:

124. S. Sourell, J.P.M. Araújo, T. Sanjuan, **P. Chaverri,** R.C. Hoyer. 2020. Entomopathogenic fungi of Tambopata National Reserve, Madre de Dios, Peru. Field Museum Field Guide #1242. 5 pp. (https://fieldguides.fieldmuseum.org/guides/guide/1242)

125. S. Sourell, J.P.M. Araújo, T. Sanjuan, **P. Chaverri**, J.S. Cardoso. 2019. Entomopathogenic fungi of the Rio Napo Lowlands (Ecuadorian Amazon). Field Museum Field Guide #1136. 4 pp. (https://fieldguides.fieldmuseum.org/guides/guide/1136)

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127. **Chaverri, P**., Huhndorf, S., Rogers, J., Samuels, G.J. 2010. Microhongos Comunes de Costa Rica y otras regiones tropicales (Ascomycota, Pezizomycotina, Sordariomycetes). Common Microfungi of Costa Rica and other tropical regions (Ascomycota, Pezizomycotina, Sordariomycetes). INBio Editorial: Heredia. 241 pp. + 60 lam. pp. [*already cited above in Books and Monographs*]

Book reviews:

128. **Chaverri, P**. 2010. CBS Laboratory Manual Series 1: Fungal Biodiversity. 2009. P.W. Crous, G.J.M. Verkley, J.Z. Groenewald, R.A. Samson (eds.). Centraalbureau voor Schimmelcultures: Utrecht. 269 pp. Reviewed in *Inoculum* 61 (3): 11-12.

129. **Chaverri, P**. 2008. The identification of fungi: an illustrated introduction with keys, glossary, and guide to literature. 2006. F. Dugan. APS Press: 182 pp. Reviewed in *Inoculum* 59(3): 22.

130. **Chaverri, P**. 2002. Molecules, morphology and classification: Towards monophyletic genera in the Ascomycetes. *Studies in Mycology* 45. 2000. K.A. Seifert, W. Gams, P. Crous, G.J. Samuels. Reviewed in *Inoculum* 52(5): 27-28.

Other:

131. **Chaverri, P.**, Knight, C.A., Salgado-Salazar, C. 2023. 44th Mid-Atlantic States Mycology Conference (MASMC). *Inoculum* (June issue).

132. **Chaverri, P**. 2022. Foreword. Advances in *Trichoderma* Biology for Agricultural Applications. Eds. N. Amaresan, A. Sankaranarayanan, M. Kumar Dwivedi, I.S. Druzhinina. Springer Nature Switzerland AG. 440 p. [book]

133. Su Yien Ting, A., **Chaverri, P**., Edrada-Ebel, R.A. 2021. Editorial: Endophytes and Their Biotechnological Applications. *Frontiers in Bioengineering and Biotechnology* - Bioprocess Engineering. (in press, https://doi.org/10.3389/fbioe.2021.795174). Special issue: Endophytes and their biotechnological applications.

Non-scientific publications:

134. Chaverri Echandi, Priscila. 2022. El Perro que Aprendió a Volar. San José: Editorial CulturaCR. 22 pp. (a children's short story) ISBN 978-9968-03-209-4

IV. PRESENTATIONS IN PROFESSIONAL MEETINGS AND CONFERENCES:

*(*Graduate student; **Post-doc; or ***undergraduate student supervised by P. Chaverri)*

IV.1. KEYNOTE OR PLENARY TALKS:

1. 2026: "From fruits to feces to forests: animal-mediated microbial dispersal and plant fitness in the tropics." XII Latin American Mycological Congress. Quito, Ecuador. 1-4 Aug. (Full list of authors: P. Chaverri, A. Fowler**, N. Morales, A. Calvo, D. Mora, A. Munaylla-Bohorquez*, G. Tamayo-Castillo, M. Chavarría, G. Chaverri).
2. 2023. "From systematics to animal gut microbiomes: A journey to reveal the role of fungi in natural ecosystem health." XI Latin American Mycological Congress, Panama City, Panama. 7-11 August.
3. 2022. "Transversality of the U.N. Sustainable Development Goals through the Diaspora University of Costa Rica" [Transversalidad de los Objetivos de Desarrollo Sostenible a través de la Diáspora UCR]. Opening speech for Diaspora Week in representation of the Vice Chancellor for Research, University of Costa Rica. 25 Aug.
4. 2022. "*Trichoderma* como habitante del fitobioma benéfico del café" [*Trichoderma* as inhabitant of the beneficial phytobiome in coffee]. Colombian Mycological Congress, Bogotá, Colombia. 21-25 June.

5. 2021. “From fungal systematics to omics in the discovery of biocontrol agents in *Trichoderma*.” German Mycological Congress (DGfM). Blaubeuren, Germany. 4-7 Oct.
6. 2020. “De organismos a fitobiomas y 'omics', en el descubrimiento de agentes de control biológico [From organisms to phytobiomes to ‘omics in the discovery of biological control agents].” Quinto Congreso Internacional de Biotecnología y Biodiversidad [Fifth International Congress on Biotechnology and Biodiversity]. Guayaquil, Ecuador. 5-8 Oct.
7. 2018. “Evolution of protective mutualism in plant-fungal endosymbiosis.” 11th International Mycological Congress. San Juan, Puerto Rico. Jul. 2018.
8. 2017. “Ecología y sistemática de hongos endófitos y sus implicaciones en la salud de ecosistemas tropicales [Ecology and systematics of endophytic fungi and implications in tropical plant health.]” Latin American Mycological Congress, Lima, Peru. Aug. 2017.
9. 2016. Opening speech for Biotechnology Forum: "La mujer en la agrociencia desde una perspectiva personal [Women in agricultural sciences, from a personal perspective].” Oct. 2016, Costa Rica.
10. 2013. “Tropical forests as reservoirs of natural enemies against plant pests and diseases.” Keynote talk for the Annual Conference of the Society for Tropical Ecology: “Tropical organisms and ecosystems in a changing world.” Vienna, Austria, April 2-5. (http://www.gtoeconference.de/index.php?cat=keynotes)
11. 2013. “Sistemática y diversidad de hongos endofíticos asociados a *Hevea* spp. [Systematics and diversity of endophytic fungi associated to *Hevea* spp.].” Keynote talk at Brazilian Mycological Congress, Belem, Brazil. Nov. 2013.
12. 2011. “*Trichoderma*: ecología, evolución y sistemática [*Trichoderma*: ecology, evolution and systematics’.” VII Latin American Mycological Congress, San Jose, Costa Rica, 18-21 July.
13. 2010. “Molecular systematics as a tool to resolve species complexes in Hypocreales.” VI Brazilian Mycological Congress. Brasilia, Brazil. December.

IV.2. INVITED TALKS:

1. 2024. Chaverri, P. Probióticos vegetales y herramientas “ómicas” para mejorar la salud y resiliencia del cultivo del café [Plant probiotics and “omics” tools to improve coffee plant’s health and resilience]. National Academy of Sciences (Costa Rica) seminar series. San José, Costa Rica. 17 Apr.
2. 2023. Chaverri, P., M. González, D. Mora-Rojas, A. Calvo-Obando, E. Escalante-Campos, D. Rojas-Gätjens, J. Avey-Arroyo, E. Escudero-Leyva, M. Chavarría. Comunidades fúngicas en dos especies de perezosos y su relación con la digestion [Fungal communities in two species of sloths and its relationship with digestion]. I Simposio de Microbiología Ambiental [I Environmental Microbiology Symposium]. CeNIBiot-CeNAT, San José, Costa Rica. 23 Nov.
3. 2023. Escudero-Leyva, E.*, Morera-Uribe, D., Rivera-Serracín, K., Sandi-Bolaños, C., Vásquez-Cháves, V., Tamayo-Castillo, G., Chaverri, P. Diversidad de *Trichoderma* endófitas de Rubiaceae silvestre y su relación con el volatiloma [Diversity of endophytic *Trichoderma*

in wild Rubiaceae and its relationship with the volatilome]. XI Latin American Mycological Congress, Panama City, Panama. 7-11 August.

4. 2023. Chaverri, P., Escudero-Leyva, E.*, Tamayo-Castillo, G. Fungal endophytes from wild Rubiaceae plants to improve the health of coffee plants [Hongos endófitos de Rubiaceae silvestre para el mejoramiento de la salud de plantas de café]. International Biotechnology Day: Biotechnology: "*The engine driving economic and social development in Costa Rica*" ["*Biotecnología: El motor para el desarrollo social y económico de Costa Rica*"]. San José, Costa Rica. 16 June
5. 2022. Chaverri, P. Disease management in coffee: Endophytes of wild Rubiaceae. Biocontrol session. Asian Mycological Congress. Thailand.
6. 2022. "From fungal systematics to omics tools to reduce the effects of climate change in coffee plants." Invited speaker for the Department of Biological Sciences, North Dakota State University. 4 March.
7. 2021. "Use of multi-omics tools to improve plant health" [Uso de herramientas multi-omics para el mejoramiento de la salud de las plantas]. Invited speaker for the School of Chemistry Graduate Program seminar series, University of Costa Rica. San José, Costa Rica. 20 Oct.
8. 2021. "Phytobiome interactions and applications in biological control." Plant Microbe Omics Seminar and Ohio State University, Department of Plant Pathology Special Seminar, part of the Multi-omics of Plant-Microbe Interactions Workshop July 12-14th.
9. 2020. "Mycobiomes of natural forests and applications in biological control of plant diseases." Invited talk for the M.Sc. program on Natural Resource Management and Production Technologies (Instituto Tecnológico de Costa Rica). Nov. 21st.
10. 2020. "Latin-Hongo" Latin-American Mycology Festival. 21-25 Oct., Chile.
11. 2020. "Save Tropical Forests and Drink Your Coffee, Too" Invited talk for Audubon Naturalist Hour. September 23rd.
12. 2020. "The mycobiome of wild Rubiaceae to improve the health of coffee plants." Invited talk for BioFrontiers seminar series at University of North Texas, Department of Biological Sciences. Sep. 2020.
13. 2019. Chaverri, P. "Protective mutualism in the endosymbiosis plant-fungus, and applications in plant protection." IV Simpósio de Fitopatologia da UnB, Fitopatologia do Plantio a Pos-Colheita, University of Brasilia, Brazil. Jun. 2019.
14. 2019. Chaverri, P. "Protective mutualism in the endosymbiosis plant-fungus, and applications in plant protection." Embrapa Recursos Genéticos e Biotecnologia – Embrapa CENARGEN. Brasilia, Brazil. May 2019.
15. 2019. Chaverri, P. "Protective mutualism in the endosymbiosis plant-fungus, and applications in plant protection." Invited talk for seminar series. Departamento de Fitopatologia, Universidade de Brasília, Brazil. Apr. 2019.
16. 2017. Chaverri, P. Ecology, systematics and application of the endophytic mycobiome in agriculturally important tropical plants: *Hevea* and *Coffea*. Invited seminar speaker at Dept. Plant Pathology, Ohio State University. Dec. 2017

17. 2017. Chaverri, P. “Ecology, systematics and application of the endophytic mycobiome in agriculturally important tropical plants: *Hevea* and *Coffea*.” Invited seminar speaker at CIRAD/UMR AGAP, Aubiere, France. Oct. 2017.
18. 2017. Chaverri, P. “Ecology, systematics and application of the endophytic mycobiome in agriculturally important tropical plants.” Invited seminar speaker at Naturalis Biodiversity Centre, Leiden, The Netherlands. Oct. 2017.
19. 2017. Chaverri, P., Góes-Neto, A., Pujade-Renaud, V. "Mycobiome of *Hevea brasiliensis* in the Amazon Basin." Latin American Mycological Congress, Lima, Peru. Aug. 2017.
20. 2017. Chaverri, P. & González, C.* "Taxonomy of *Neonectria fuckeliana* and related species causing cankers in conifers." Latin American Mycological Congress, Lima, Peru. Aug. 2017.
21. 2017. Chaverri, P. “Implications of species delimitation in ecological studies.” Invited lecture for the Ph.D. course: “Metabarcoding Data Management and Open Data.” University of Tartu, Estonia. Jun. 2017.
22. 2016. Chaverri, P. & Chaverri, G. "Culture-dependent and -independent approaches reveal a potential unexplored mutualism between fruit-eating bats and endophytic fungi." Brazilian Mycological Congress, Florianópolis, Brazil.
23. 2015. Chaverri, P. “Hongos endófitos asociados a plantas en bosque natural y en plantaciones: Una historia de coevolución, mutualismo protectivo y biocontrol [Endophytic fungi associated to plants in natural forests and plantations: a story of coevolution, protective mutualism and biocontrol].” Coloquio Dr. Luis Fournier Origgi, Escuela de Biología, University of Costa Rica. Apr. 2015.
24. 2014. Skaltas, D.*, Chaverri, P. “Metagenomics to assess diversity of endophytes in seedlings and adults of two tropical euphorbiaceous host genera: *Hevea* and *Micrandra*.” Invited talk for Symposium on New Tendencies in Fungal Ecology. Latin American Mycological Congress. Medellín, Colombia. Nov. 2014.
25. 2014. Chaverri, P., Herrera, C.S.* “Evolution of myco- and entomoparasitism in the Nectriaceae (Hypocreales, Ascomycota).” Invited talk for the Symposium Fungal Evolution. Latin American Mycological Congress. Medellín, Colombia. Nov. 2014.
26. 2013. “Endófitos asociados a *Hevea* nativa y en plantaciones: Una historia de coevolución, mutualismo protectivo y biocontrol [Endophytes associated to native and planted *Hevea*: a story of coevolution, protective mutualism and biocontrol].” Seminar invited talk. Brazilian Botanical Congress, Belo Horizonte, Brazil. Nov. 2013.
27. 2012. “Evolution of host/substrate affiliation in the cosmopolitan fungal genus *Trichoderma* and evidence of interkingdom host jumps.” National Museum of Natural History, Smithsonian Institution. Talk for Phylopizza seminar series.
28. 2011. C. Salgado* & P. Chaverri. “Cryptic speciation within the cosmopolitan species *Neonectria discophora* (Nectriaceae, Hypocreales, Ascomycota).” Latin American Mycological Congress, San Jose, Costa Rica. 18-21 July.
29. 2011. “*Trichoderma* systematics, ecology and evolution.” Dept. of Biology, Duke University. Talk for Systematic Biology seminar series.

30. 2011. “Adventures in the Amazon: Searching for a cure of diseases of the rubber tree.” UMD Latin American Studies Center (LASC), Café Break Series.
31. 2010. “Species concepts in *Trichoderma*.” VI Brazilian Mycological Congress. Brasilia, Brazil. Symposium talk.
32. 2010. "Impacts of species delimitation/concept on the inferences about fungal ecology and evolution." Dept. of Plant Biology and Pathology, Rutgers University. Talk for Seminar Series.
33. 2009. “Systematics as a tool to identify fungi for biocontrol: The case of *Trichoderma.”* University of Maryland, BEES graduate program seminar series.
34. 2009. “Systematics as a tool to identify fungi for biocontrol: The case of *Trichoderma.”* University of Arkansas, Department of Biology. Talk for Seminar Series.
35. 2009. “Molecular ecology of *Trichoderma* spp. endophytic in various tropical trees.” Asian Mycological Congress, Taichung, Taiwan. Symposium talk.
36. 2009. “Delimitation of *Neonectria* and *Cylindrocarpon* and related genera with *Cylindrocarpon*-like anamorphs.” Asian Mycological Congress, Taichung, Taiwan.
37. 2008. “Latin Americans in Research and Graduate Education.” Hispanic Heritage Month, BARC-ARS-USDA, Beltsville, MD.
38. 2008. “Filogenia de especies de *Trichoderma* en el suelo y endófitos del cambium. [Phylogeny of *Trichoderma* species in soil and endophytes of stems].” Latin American Mycological Congress. Mar del Plata, Argentina.
39. 2008. “Current challenges in fungal systematics: Defining natural groups in the Ascomycota.” APS Centennial meeting. Minneapolis, MN.

IV.3. CONTRIBUTED ORAL PRESENTATIONS:

1. 2026. A. Munaylla-Bohorquez*, A. Fowler**, M. Belle***, L. Salcedo, N. Welday, A. Wiley, P. Chaverri. Microbial Movements: Investigating Turtle-mediated Dispersal of Fruits and Fungi. XII Latin American Mycological Congress. Quito, Ecuador. 1-4 Aug.
2. 2026. C. Morales-Lemus*, M. Belle***, A. DadkhahTehrani, S. Battle, M.K. Romberg, C. Salgado-Salazar, P. Chaverri. Identification of a novel fungus associated with leaf spots in the ornamental palm *Phoenix* spp. 47^{h} Mid-Atlantic States Mycology Conference. Greensboro, NC. 24-26 Apr.
3. 2026. A. Munaylla-Bohorquez*, A. Fowler**, M. Belle***, L. Salcedo, N. Welday, A. Wiley, P. Chaverri. Microbial Movements: Investigating Turtle-mediated Dispersal of Fruits and Fungi. 47^{h} Mid-Atlantic States Mycology Conference. Greensboro, NC. 24-26 Apr.
4. 2026. A.E. Fowler**, R.C. Fleischer, T. R. Chesser, M.C. Hyde, A. Given, A.M. Lindsay, P. Chaverri. Gut mycobiome associated with feeding on wax myrtle berries in the myrtle warbler. 47^{h} Mid-Atlantic States Mycology Conference. Greensboro, NC. 24-26 Apr.

5. 2025. Goldson, N.***, Chaverri, P. Identification of an unknown fungus that is lethal to sandfly colonies. 46th Mid-Atlantic States Mycology Conference. Lock Haven, PA. 25-27 Apr.
6. 2025. Morales-Lemus, C.**, Escudero-Leyva, E.*, Salgado-Salazar, C., Castlebury, L.A., Chaverri, P. Phylogenomics of three species of *Elsinoë* causing scab diseases on economically important plants. 46th Mid-Atlantic States Mycology Conference. Lock Haven, PA. 25-27 Apr.
7. 2025. S. Simms, D. Watson, S. Jenkins, T. Haywood, K. Early, N. Goldson, P. Chaverri. Characterizing the diversity of bacteria and viruses within the fungus *Didymosphaeria*. (Course-based Undergraduate Research Experience, CURE, poster as a result of Microbiology BIOL309 class project led by P. Chaverri). National Conference on Undergraduate Research (NCUR). April 7-9, Pittsburgh, PA.
8. 2024. E. Escudero-Leyva**, M. Belle***, A. Dadkhahtehrani, J.N. Culver, P. Chaverri. Metagenomics and metatranscriptomics unveil a rich endohyphal microbiome. 12th International Mycological Congress. Maastricht, The Netherlands.
9. 2024. P. Chaverri, M. González, D. Mora-Rojas, A. Calvo-Obando, E. Escalante-Campos, E. Mesén-Porras, D. Wicki-Emmenegger, D. Rojas-Gätjens, J.Avey-Arroyo, A. Moreira-Soto, J. F. Drexler, E. Escudero-Leyva, M. Chavarría. Reduced functional fungal communities in two species of sloths (*Bradypus variegatus* and *Choloepus hoffmanni*) suggest a link to slow digestion. Mycological Society of America annual meeting. Markham, Canada.
10. 2024. J. Lackmann, P. Chaverri, B. Bachelot, C.A. Lindell, L. Aldrich-Wolfe. Evidence that coffee-associated phyllosphere fungi can move from plantation to adjacent forest. Mycological Society of America annual meeting. Markham, Canada.
11. 2023. Singh D., Scott K.L., Cocuron J.C., Slot J.C., Chaverri P., Alonso A.P. Fungal leaf endophytes enrich functional metabolomes in wild Rubiaceae. 19th Annual Conference of the Metabolomics Society. Niagara Falls, Canada. June 18-22
12. 2021. Chaverri, P., Slot, J., Alonso, A.P., Castillo-Gonzalez, H.*, Escudero-Leyva, E.*, Scott, K., Castro-Moretti, F., Alvarado-Picado, E., Granados-Montero, M.M. The mycobiome of wild Rubiaceae to improve the health of coffee plants. 2021. 28th Conference of the Association for the Science and Information on Coffee (ASIC). Montpellier, France. June.
13. 2020. F.R. Castro-Moretti, H. Castillo Gonzalez*, J.C. Slot, P. Chaverri, A.P. Alonso. Secondary metabolism diversity associated with coffee management practices. University of North Texas, institutional retreat; August.
14. 2019. F.R. Castro-Moretti, H. Castillo Gonzalez*, E. Escudero*, J. C. Slot, P. Chaverri, A.P. Alonso. Targeted metabolomics reveals diversity between wild Rubiaceae and cultivated coffee secondary metabolism. Metabolomics Association of North America (MANA) conference. Atlanta, GA, USA.
15. 2019. H. Castillo-Gonzalez*, A. Alonso, P. Staniczenko, J. Slot, P. Chaverri. Unraveling the endophytic diversity associated with Rubiaceae tropical plants and the ecological factors

driving community assemblage. Mycological Society of America annual meeting. Minneapolis, MN, USA.

16. 2019. E. Escudero*, M.M. Granados, E. Alvarado, J.C. Slot, A.P. Alonso, P. Chaverri. Endophytic *Trichoderma* with fungicide tolerance. Mycological Society of America annual meeting. Minneapolis, MN, USA.
17. 2018. Chaverri, P & Chaverri, G. Exploring the indirect mutualism between fruit-eating bats and endophytic fungi. North American Bat Research Society Symposium. Puerto Vallarta, México. Oct. 2018.
18. 2017. Orellana-Mondol, A.***, Tapia, A., Chaverri, P. "Control biológico del Mal de Panamá mediante el empleo de hongos endófitos extraídos de Bosques costarricenses" [Biocontrol of Panama disease of bananas using endophytic fungi from wild Zingiberales in Costa Rica]. Latin American Mycological Congress, Lima, Peru. Aug. 2017.
19. 2015. Escudero Leyva, E.*, Raymundo Ojeda, T., Valenzuela Garza, R., Chaverri, P. Estudio taxonómico de las especies del Orden Hypocreales (Sordariomycetes-Ascomycota) en cuatro tipos de vegetación del Estado de Oaxaca [A taxonomy study of the Hypocreales species associated to four different types of vegetation in Oaxaca, Mexico]. II Biology Students' Symposium, University of Costa Rica.
20. 2015. Amador Fernández, X.***, Aguilar Cascante, F., Chaverri, P. Efectos de los cambios termales en hongos endófitos de plantas del páramo de Costa Rica [Effects of temperatura changes on endophytic fungi from endemic plants of the paramo in Costa Rica]. II Biology Students' Symposium, University of Costa Rica.
21. 2013. S. Linares* & P. Chaverri. Microbial diversity associated with Saharan dust storms: A developing tale of emerging pathogens. Meeting of the Mycological Society of America and the American Phytopathological Society. Austin, Texas. (This talk received the prize for best oral presentation).
22. 2013. P. Chaverri. Tropical forests as reservoirs of natural enemies against plant pests and diseases. Meeting of the Association for Tropical Biology and Conservation. San José, Costa Rica. June 2013.
23. 2013. C. Salgado-Salazar*, A.Y. Rossman & P. Chaverri. Molecular phylogeny of fungi in the genus *Thelonectria* (Hypocreales, Nectriaceae): Are they really monophyletic? Meeting of the Mycological Society of America and the American Phytopathological Society. Austin, Texas.
24. 2013. C. Herrera*, A.Y. Rossman, G.J. Samuels & P. Chaverri. Phylogenetic analyses places *Paranectria* in the Nectriaceae. Meeting of the Mycological Society of America and the American Phytopathological Society. Austin, Texas.
25. 2012. S. Linares*, P. Chaverri. Fungal Diversity Associated with Saharan Dust Storms. Sixth NOAA EPP Education and Science Forum. Florida. (Linares won first place in student oral presentation).
26. 2012. C.S. Herrera*, P. Chaverri. A new monotypic genus to accommodate *Cosmospora vilior* and related species. Mycological Society of America (MSA) meeting, New Haven, CT.

27. 2012. C. Salgado* & P. Chaverri, et al. Molecular systematics of saprophytic and plant pathogenic isolates of the cosmopolitan fungus *Thelonectria discophora* (Nectriaceae, Hypocreales, Ascomycota). Mycological Society of America (MSA) meeting, New Haven, CT.
28. 2011. S. Linares* & P. Chaverri. "Fungal Diversity Associated with Saharan Dust Storms." VII Latin American Mycological Congress, San Jose, Costa Rica. 18-21 July.
29. 2011. R. Gazis* & P. Chaverri. "Sampling effect on tropical fungal endophyte diversity estimation: Are we under- sampling fungal endophytes?" Mycological Society of America (MSA) meeting, Alaska.
30. 2011. P. Chaverri. "Un código de barras para hongos" (A barcode for fungi). VII Latin American Mycological Congress, San Jose, Costa Rica, 18-21 July.
31. 2010. Y. Hirooka** & P. Chaverri. "Taxonomy and biogeography of *Nectria pseudotrichia* (Nectriaceae, Hypocreales, Sordariomycetes) based on a multi-locus phylogeny. Mycological Society of America (MSA) meeting. Lexington, KY.
32. 2010. R. Gazis* & P. Chaverri. "Species delimitation in fungal endophyte diversity studies: The case of three common tropical fungal genera." Mycological Society of America (MSA) meeting. Lexington, KY.
33. 2010. P. Chaverri. "*Trichoderma harzianum* is a species complex." Mycological Society of America (MSA) meeting. Lexington, KY.
34. 2010. C. Salgado* & P. Chaverri. "Advances in systematics and taxonomy of *Nectria*related fungi: *Neonectria veuillotiana* species complex." Mycological Society of America (MSA) meeting. Lexington, KY.
35. 2010. C. Herrera* & P. Chaverri. "Phylogenetic relationships of *Cosmospora vilior* sensu lato and related species." Mycological Society of America (MSA) meeting. Lexington, KY.
36. 2009. Y. Hirooka** & P. Chaverri. "Systematics *Nectria* based on a six-gene phylogeny." Mycological Society of America (MSA) meeting, Snowbird, UT.
37. 2009. R. Gazis* & P. Chaverri. "Differences in the fungal endophytic community of *Hevea brasiliensis* under different forest managements." Mycological Society of America (MSA) meeting, Snowbird, UT.
38. 2008. P. Chaverri. "Phylogenetic data from fast-evolving genes reveal that sapwood endophytic *Trichoderma* species originate in the soil." Mycological Society of America (MSA) meeting. State College, PA.
39. 2005. P. Chaverri & K. Hodge. "Entomopathogenic fungi on white flies and scale insects in the Neotropics: *Hypocrella/Aschersonia*." Meeting of the Latin-American Mycological Association (ALM). Brasilia, Brazil.
40. 2004. P. Chaverri & B. Vílchez. "Hypocrealean fungi and forest succession in a tropical forest". Annual meeting of MSA. Asheville, NC.

41. 2003. P. Chaverri & G. Samuels. "Teleomorph and anamorph evolution in *Hypocrea/ Trichoderma"*. MSA annual meeting. Monterey, CA. Award winner for best student oral presentation.
42. 2001. P. Chaverri & G. Samuels. "Biocontrol species of *Trichoderma* have *Hypocrea* teleomorphs with green ascospores". MSA annual meeting. Salt Lake City, UT.
43. 1997. P. Chaverri & M. Arguedas. "New reports of phytosanitary problems in native tree species". Third National Forestry Congress. Costa Rica.
44. 1996. P. Chaverri & M. Arguedas. "Symptoms of *Nectria* cankers in tree species of Costa Rica". X National Agronomic and Natural Resources Congress, III National Phytopathology Congress. Costa Rica.
45. 1996. P. Chaverri & M. Arguedas. "Canker in *Terminalia ivorensis* in the North region of Costa Rica". X National Agronomic and Natural Resources Congress, III National Phytopathology Congress. Costa Rica.
46. 1995. P. Chaverri & M. Arguedas. "Phytosanitary problems in tree species of Costa Rica: New reports". Second National Research Workshop in Forestry and Agroforestry (Segundo Taller Nacional de Investigación Forestal y Agroforestal). Costa Rica
47. 1995. P. Chaverri & M. Arguedas. "Phytosanitary problems in forest native species in Costa Rica". First workshop about native forest species (Primer Taller Nacional sobre Especies Forestales Nativas). La Selva Biological Station. Costa Rica.
48. 1992. P. Chaverri. "Restoring the native forest in the North region of Costa Rica". 20th Meeting of the International Forestry Students Society (IFSS): "Learning from Forests". Padova, Italy.
49. 1992. P. Chaverri & M. Arguedas. "Diagnosis of pests and diseases in native tree species in the North zone, Costa Rica". Second National Forestry Congress: the forest activity in service of a developing country. Proceedings. San José, Costa Rica.

IV.4. CONTRIBUTED POSTER PRESENTATIONS:

1. 2026. N. Morales, A. Munaylla-Bohorquez*, A. Fowler**, A. Calvo, M. Chavarría, G. Chaverri, P. Chaverri. Dispersando más que semillas: Diversidad fúngica en las heces de murciélagos frugívoros [Dispersing more than seeds: Fungal diversity in fecal samples of frugivorous bats]. XII Latin American Mycological Congress. Quito, Ecuador. 1-4 Aug.
2. 2026. A. Peoples, D. Ogunniyi, M. Hartwell-Gilchrist, K. Burgess, M. Gaddy, M. Belle, A. Fowler, P. Chaverri. Molecular Characterization and Drought Assessment of Fungal Isolates Recovered from Mud Samples. (Course-based Undergraduate Research Experience, CURE, poster as a result of Microbiology BIOL309 class project led by P. Chaverri). Natural Sciences Day and CURE Symposium, Bowie State University, Bowie, MD. May 13th.
3. 2026. A.A. Abraham, D. Mitchell, M. Mathison, K. Shaw, M. Belle, M. Gaddy, A. Fowler, P. Chaverri. Identifying Responses of Endophytic Fungi to Study Drought Tolerance. (Course-based Undergraduate Research Experience, CURE, poster as a result of

Microbiology BIOL309 class project led by P. Chaverri). Natural Sciences Day and CURE Symposium, Bowie State University, Bowie, MD. May 13th.

4. 2026. A. Munaylla-Bohorquez*, A. Fowler**, M. Belle***, L. Salcedo, N. Welday, A. Wiley, P. Chaverri. Microbial Movements: Investigating Turtle-mediated Dispersal of Fruits and Fungi. Annual Conference of the Ecological Society of America, Mid-Atlantic Chapter. Towson, MD. 27-29 March.
5. 2026. A. Munaylla-Bohorquez*, A. Fowler**, M. Belle***, L. Salcedo, N. Welday, A. Wiley, P. Chaverri. Microbial Movements: Investigating Turtle-mediated Dispersal of Fruits and Fungi. Penn State Mycology & Plant Pathology Club Symposium. University Park, PA. April 4th
6. 2025. Aldrich-Wolfe, L., Chaverri, P., Escudero-Leyva, E., Castro-Bustos, D. Building a cross-cultural scientific community: paired research experiences for Costa Rican and U.S. college students. Ecological Society of America meeting. Baltimore, MD. Aug. 2025.
7. 2025. Vargas-Hernandez, D., Chaverri, P., Escudero-Leyva, E., Hlucny, E., Lackmann, J., O'Brien, R., Okke, M., Strom, E., Aldrich-Wolfe, L. Exploring Rubiaceae phyllosphere fungi as antagonists of *Mycena citricolor*. Mycological Society of America meeting. Madison, WI. July 2025.
8. 2025. Belle, M., Gaddy, M., Stout, F., Whitfield, S.-M., Williams, S., Chaverri, P. Legacy of Contamination: Microbial Responses to PCBs in Urban Maryland Green Space Park Soils. (Course-based Undergraduate Research Experience, CURE, poster as a result of Microbiology BIOL309 class project led by P. Chaverri). Natural Sciences Day and CURE Symposium, Bowie State University, Bowie, MD. May 14th.
9. 2024. Escudero-Leyva, E.**, De Melo, E., Lackmann, J.A., Vargas-Hernández, D.C., Strom, E., O'Brien, R., Paredes, R., Chaverri, P., Aldrich-Wolfe, L. Strong differences in fungal diversity and community composition between conventional and organic coffee management for roots but not for leaves. 12th International Mycological Congress. Maastricht, The Netherlands.
10. 2024. Vargas-Hernández, D.C., Chaverri, P., Escudero-Leyva, E.**, Lackmann, J.A., O'Brien, R., Okke, M., Aldrich-Wolfe, L. Novel in vitro methodology for evaluating antagonistic potential of coffee endophytes against *Mycena citricolor*. 12th International Mycological Congress. Maastricht, The Netherlands.
11. 2024. Goldson, N.***, M.K. Romberg, A. Dadkhahtehrani1, L.A. Castlebury, P. Chaverri. A new species of *Entyloma* (Entylomatales, Exobasidiomycetes) on the ornamental plant *Eryngium planum* expands the *E. eryngii* species complex. Mycological Society of America annual meeting. Markham, Canada.
12. 2024. E. Escudero-Leyva**, M. Belle***, A. Dadkhahtehrani, J.N. Culver, P. Chaverri. Metagenomics and metatranscriptomics unveil a rich endohyphal microbiome. Mycological Society of America annual meeting. Markham, Canada.
13. 2024. Goldson, N.***, M.K. Romberg, A. Dadkhahtehrani1, L.A. Castlebury, P. Chaverri. A new species of *Entyloma* (Entylomatales, Exobasidiomycetes) on the ornamental plant

Eryngium planum expands the *E. eryngii* species complex. Mid-Atlantic States Mycology Conference. Durham, NC. 20 Apr.

14. 2024. Belle, M.***, A. Dadkhahtehrani, JN Culver, P.Chaverri. Metagenomics and metatranscriptomics unveil a rich mycovirus diversity. Mid-Atlantic States Mycology Conference. Durham, NC. 20 Apr.
15. 2024. N. Goldson***, P. Chaverri. Identification of an unknown fungus that is lethal to sand fly colonies. National Conference on Undergraduate Research (NCUR), Long Beach, CA. 8-10 Apr.
16. 2024. C. Coleman, M. Balogun, A. Allen, A. Alston, N. Barthelemy, E. Fatokun, E. Ferguson, W. Fokam, A. Jenkins, D. Martin, A. Mason, L.J. Nuique, E. Roberts, H. Samuel, G. Shikwa, F. Shittabey, D. Stokes, N. Welday, C. DuBose, P. Chaverri. Microbial Communities in American Beech (*Fagus grandifolia*). (Course-based Undergraduate Research Experience, CURE, poster as a result of Microbiology BIOL309 class project led by P. Chaverri). National Conference on Undergraduate Research (NCUR), Long Beach, CA. 8-10 Apr.
17. 2023. N. Goldson***, P. Chaverri. Identification of an unknown fungus that is lethal to sand fly colonies. Natural Sciences Day and CURE Symposium, Bowie State University, Bowie, MD. 12 Dec.
18. 2023. C. Coleman, M. Balogun, A. Allen, A. Alston, N. Barthelemy, E. Fatokun, E. Ferguson, W. Fokam, A. Jenkins, D. Martin, A. Mason, L.J. Nuique, E. Roberts, H. Samuel, G. Shikwa, F. Shittabey, D. Stokes, N. Welday, C. DuBose, P. Chaverri. Microbial Communities in American Beech (*Fagus grandifolia*). Natural Sciences Day and CURE Symposium, Bowie State University, Bowie, MD. 12 Dec. (Course-based Undergraduate Research Experience, CURE, poster as a result of Microbiology BIOL309 class project)
19. 2023. Bracale, M.F., Chaverri, P., Escudero-Leyva, E.*, Arriagada, M.P.G., Mizubuti, E.S.G., Barreto, R.W. Endophytic fungi associated to *Coffea canephora*: The quest for an unknown pathogen. XI Latin American Mycological Congress, Panama City, Panama. 7-11 August.
20. 2023. Castro-Bustos, D., Escudero-Leyva, E.*, Rojas-Gätjens, D., Chavarría-Vargas, M., Chaverri, P., Suearez-Rodríguez, R., Martínez-Fernández, E. Aislamiento y entrecruzamiento de cepas de *Cordyceps* s.l. mediante la determinación del tipo de apareamiento con el uso de genes *MAT* como marcadores de selección. XI Latin American Mycological Congress, Panama City, Panama. 7-11 August.
21. 2022. Chaverri P., Romberg M.K., McKemy J.M., Rane K.K., Castlebury L.A. *Colletotrichum liriopes* is more widespread than previously thought. Mycological Society of America annual meeting. Gainesville, FL, USA.
22. 2022. Castillo-Gonzalez H.*, Yarwood S., Slot J., Chaverri P. Endophytic communities associated with Rubiaceae tropical plants are regulated by location and tissue type. Mycological Society of America annual meeting. Gainesville, FL, USA.

23. 2022. Lackmann J., Chaverri P., Bachelot B., Lindell C.A., Aldrich-Wolfe L. Scratching the Surface: Patterns of foliar fungal damage in coffee and adjacent forests and the potential for spillover. Mycological Society of America annual meeting. Gainesville, FL, USA.
24. 2022. K. Scott, H. Castillo-Gonzalez*, G. Valero-David, L. Slattery, E. Escudero-Leyva*, P. Chaverri, J. Slot. Genome comparison of 45 fungal endophytes from Rubiaceae. 31st Fungal Genetics Conference. Asilomar, CA, USA.
25. 2022. Castillo-González, H.*, Chaverri, P. Slot, J., Yarwood, S. Location and tissue type affect endophyte community composition in tropical forests. Mid-Atlantic States Mycology Conference. Clemson, SC, USA.
26. 2019. A. Amador***, H. Arce***, V. Taylor, A. Walker, J. Samper-Villareal, J. Cortés, P. Chaverri. Diversity and halotolerance of endophytic fungi associated with seagrasses in Costa Rica. Mycological Society of America annual meeting. Minneapolis, MN, USA.
27. 2019. K. Scott, E. Gluck-Thaler, C. Farinas, G. Valero David, Z. Konkel, P. Chaverri, J. Slot. Identification and comparison of gene clusters in a diverse collection of *Trichoderma* species. Mycological Society of America annual meeting. Minneapolis, MN, USA.
28. 2018. H. Castillo-González*, M. Steward, P. Juárez, E. Escudero*, J. Slot, A. P. Alonso, P. Chaverri. Effect of the leaf developmental stage on the chemical and fungal endophytic composition in wild Rubiaceae. International Mycological Congress. San Juan, Puerto Rico. Jul. 2018.
29. 2018. E. Escudero*, H. Castillo González*, P. Juárez, M. D. M. Granados, E. Alvarado, P. Chaverri. A first look at culture-dependent endophytic fungal diversity of wild Rubiaceae in Costa Rica. International Mycological Congress. San Juan, Puerto Rico. Jul. 2018.
30. 2017. Amador Fernández, X.***, Chaverri, P., Granados, M.M. Hongos patógenos de importancia económica en el cultivo de aguacate (*Persea americana* Mill.) en Costa Rica [Pathogenic fungi of avocado in Costa Rica]. Latin American Mycological Congress, Lima, Peru. Aug. 2017.
31. 2014. Orellana Mondol, A.***, Chaverri, P. Composición de especies de hongos endófitos en *Costus*, *Renealmia* y *Heliconia* (Zingiberales) en la zona baja de Costa Rica [Species composition of Zingiberales plants in a lowland forest in Costa Rica]. Latin American Mycological Congress. Medellín, Colombia. Nov. 2014.
32. 2014. Amador Fernández, X.***, Aguilar Cascante, F., Chaverri, P. Efectos de los cambios termales en hongos endófitos de plantas del páramo de Costa Rica [Effects of temperatura changes on endophytic fungi from endemic plants of the paramo in Costa Rica]. Latin American Mycological Congress. Medellín, Colombia. Nov. 2014.
33. 2013. D. Skaltsas*, L. Castlebury & P. Chaverri. Delimitation of tropical endophytic Diaporthe species from three euphorbiaceous hosts: *Hevea brasiliensis, H. guianensis*, and *Micandra* sp. Meeting of the Mycological Society of America and the American Phytopathological Society. Austin, Texas.
34. 2013. C. Salgado-Salazar*, Y. Hirooka, A.Y. Rossman, W.-Y. Zhuang, P. Chaverri. Species delimitation for *Neonectria coccinea* group including the causal agents of beech bark disease

(BBD) in Asia, Europe, and North America. Meeting of the Mycological Society of America and the American Phytopathological Society. Austin, Texas.

35. 2012. S. Linares*, P. Chaverri, et al. Fungal Diversity Associated with Saharan Dust Storms. Sixth NOAA EPP Education and Science Forum. Florida.
36. 2011. D. Skaltsas* & P. Chaverri. "Preliminary delimitation of tropical endophytic *Phomopsis* species from two euphorbiaceous hosts: *Hevea brasiliensis* and *H. guianensis*." Mycological Society of America (MSA) meeting, Alaska.
37. 2011. C. Herrera* & P. Chaverri. "Phylogenetic position and epitypification of the fungicolous species *Cosmospora vilior sensu* Starbäck" Mycological Society of America (MSA) meeting, Alaska.
38. 2010. Y. Hirooka** & P. Chaverri. "Taxonomy and biogeography of *Nectria pseudotrichia* (Nectriaceae, Hypocreales, Sordariomycetes) based on a multi-locus phylogeny." International Mycological Congress. Edinburgh, Scotland.
39. 2010. M. Deon, R. Gazis*, V. Pujade-Renaud, P. Chaverri. "Rubber tree endophytes as antagonists of the leaf pathogen *Corynespora cassiicola*." International Mycological Congress. Edinburgh, Scotland.
40. 2009. S. Linares* & P. Chaverri. "Comparison of DNA extraction methods to assess fungal diversity in Saharan dust storms." Mycological Society of America (MSA) meeting, Snowbird, UT.
41. 2009. C. Salgado* & P. Chaverri. "Hypocrealean fungi from a tropical rainforest in Queensland, Australia." Mycological Society of America (MSA) meeting, Snowbird, UT.
42. 2008. R. Gazis* & P. Chaverri. "A preliminary evaluation of the fungal endophytic community in rubber tree (*Hevea brasiliensis*)." Mycological Society of America (MSA) meeting. State College, PA.
43. 2008. B.L. Buey*** & P. Chaverri. "Identifying Fungal Endophytes of Native Cacao Trees of Peru." Environmental Biology Scholars Conference, Howard University (project funded by NSF DBI- 0405151).
44. 2005. P. Chaverri & K. Hodge. "Systematics of the entomopathogenic genus *Hypocrella/ Aschersonia*: Stroma morphology correlates with monophyletic groups." MSA meeting. Hilo, Hawaii.
45. 2005. P. Chaverri & B. Vílchez. "Relationship between succession and diversity of microfungi in tropical forest stands in Costa Rica." Conference "Working Forests in the Tropics: Policy and Market Impacts on Conservation and Management." University of Florida, Gainesville.
46. 2000. P. Chaverri & G. Samuels. "Convergent evolution of *Gliocladium* morphology in *Hypocrea".* MSA annual meeting. Burlington, VT.
47. 1999. P. Chaverri & G. Samuels. "Ascospore color is not a useful generic character in *Hypocrea".* XVI International Botanical Congress. Saint Louis, MO.

48. 1996. P. Chaverri & M. Arguedas. "Phytosanitary problems in *Cordia alliodora".* X National Agronomic and Natural Resources Congress, III National Phytopathology Congress. Costa Rica.

V. AWARDS, HONORS AND RECOGNITIONS:

- 2024. Presidential Achievement Award, Distinguished Award in Research and Grants, Bowie State University.
- 2024. Outstanding Researcher Award. College of Arts and Sciences, Bowie State University.
- 2022: Elected and inducted into the National Academy of Sciences (Costa Rica).
- 2016: Scientist of the Year. An award given biennially to one outstanding scientist in Costa Rica and bestowed by the National Academy of Sciences and the Ministry of Science and Technology.
- 2013: C. J. Alexopolous award. This award is given annually by the Mycological Society of America (MSA) to "...an outstanding mycologist early in their career."
- 2009: Recognized by the Dean of the College of Agriculture and Natural Resources (UMD) at the 2nd annual UM Scholarship and Research celebration.
- 2008: "Face of the Future in Mycology — A Look into the Future". American Phytopathological Society.
- 2003: MSA Graduate Student Research prize for best oral presentation.
- 2001: MSA Richard P. Korf Mentor Travel Award.
- 2001: MSA Graduate Student Fellowship
- 2000: The Pennsylvania State University Henry W. Popp Award.

VI. TEACHING:

VI.1. COURSES TAUGHT AT THE UNIVERSITY LEVEL:

- 2023-2026 (Spring, Fall): Microbiology I (Microbial Diversity, Course-based Undergraduate Research Experience, CURE, course). BSU. 4 credits. Undergraduate level.
- 2023 (Spring, Fall): Microbiology II. BSU. 4 credits. Undergraduate level.
- 2020, 2018 (Fall): Basic bioinformatics, phylogenetics and metagenomics. UCR. 4 credits. Graduate and undergraduate level.
- 2020 (Spring): Symbiosis. UCR. 2 credits. Graduate and undergraduate level.
- 2019 (Spring): Mycology I. UCR. 4 credits. Graduate and undergraduate level.
- 2020-2014 (Spring): Botany I. UCR. 4 credits. Undergraduate level.

- 2019, 2017, 2015, 2013 (Fall): Mycology II. UCR. 4 credits. Graduate and undergraduate level.
- 2016 (Fall): Introduction to Forest Pathology. UCR. 4 credits. Graduate and undergraduate level.
- 2014 (Fall): Evolution. UCR. 3 credits. Undergraduate level.
- 2009-2016 (Fall): Mushrooms and Molds. UMD. 2 credits. Undergraduate level for nonscience majors.
- 2011 (Spring): Fungal Phylogenetics Laboratory. UMD. 2 credits. Graduate level.
- 2009 (Fall): Biology of Fungi. UMD. 3 credits. Graduate and undergraduate level.
- 2006, 2008 (Fall): Evolution and Systematics. Howard University. 4 credits. Graduate level.
- 2006, 2007: Mycology. Howard University. 4 credits. Graduate and undergraduate level.

VI.2. OTHER COURSES AND INSTRUCTION:

- 2024. "Agroecology of Fungi in Coffee." A field course in Las Cruces Biological Station (San Vito, Coto Brus, Costa Rica) with undergraduate students from Costa Rica and the United States. Lead instructor: Dr. Laura Aldrich-Wolfe; invited instructor: Dr. Priscila Chaverri. June 7 – July 19.
- 2022. "Agroecology of Fungi in Coffee." A field course in Las Cruces Biological Station (San Vito, Coto Brus, Costa Rica) with undergraduate students from Costa Rica and the United States. Lead instructor: Dr. Laura Aldrich-Wolfe; co-instructor: Dr. Priscila Chaverri. June 4 - July 8
- 2021. "Investigating Plant-Associated Microbiomes with Multiple-Omics Techniques" Workshop. This hands-on workshop included lectures, seminars and hands-on data analyses. Organized by J. Slot, J. Copperstone, and P. Chaverri. July 12-14, 2021.
- 2019 (Spring): Two lectures for the Mycology course at University of Brasilia, Brazil.
- 2019 (Winter): Instructor and student-project coordinator for the Organization for Tropical Studies (OTS) graduate course (one-week, full-time field course) "Tropical Ecology and Conservation." La Selva Biological Station, Heredia, Costa Rica. 25-31 January
- 2017. Invited lecture for the Ph.D. course: "Metabarcoding Data Management and Open Data." University of Tartu, Estonia.
- 2016, 2012: Tropical Fungi and Fungi-like. OTS Graduate Specialty Course (two-week, full-time field and laboratory course). Co-taught with Dr. Gregory Mueller.
- 2008. Speaker at workshop "Creating an Effective CV." Organized by Howard University's Graduate School (Preparing Future Faculty Program) and Office of Retention, Mentoring, and Support Programs. *Directed to graduate students at Howard University.*

- 2004-2007: Viable Airborne Indoor Fungi. Instructor. BTS Laboratories (Rx Environmental). Waldorf, Maryland, USA. This non-credit course was intended to teach 19 microbiology technicians and analysts how to collect, identify, and culture indoor airborne fungi.
- 2004: Workshop on Identification of Fungi in Culture and their Preservation. Instructor. National Biodiversity Institute (INBio). Costa Rica.
- 2004: Importancia de Microhongos Hipocreaceos (Importance of Hypocrealean Microfungi). Guest lecturer for the course: "Non-timber Forest Products." ITCR. Costa Rica.

VI.3. SUPERVISION AND STUDENT TRAINING:

Undergraduate students: 4 (Bowie State University), 4 (Howard University), 12 (UMD), 8 (UCR).

Graduate students: 5 Ph.D. (UMD), 1 Ph.D. (UCR); 2 MSc (BSU), 2 M.Sc. (UMD); 1 M.Sc. (UCR-CATIE).

Graduate student committees: 1 (BSU), 1 (Cornell U.), 1 (Van Yüzüncü Yıl University, Turkey) 1 (University of Puerto Rico), 3 (UMD), 10 (UCR), 1 (Universidad Austral de Chile), 1 (Monash University), 2 (North Dakota State University)

Postdoctoral trainees: 1 (UMD), 1 (UCR), 3 (BSU).

Interns and visiting scientists: 7

VII. MEDIA ATTENTION, RECOGNITION AND CONTRIBUTIONS:

- 2026: "Bowie State Researchers Lead Study on Bats' Role in Healthier Plants," Feature Story in BSUYou! Bowie State University e-newsletter (30 Sep. 2026)
- 2024. "Farming Practices, Fungal Endophytes, and Coffee" by T. Joosse for CSA News (volume 69, issue 8, pp 4-7), highlighting our article Castillo-González et al. 2024. Agricultural practices influence foliar endophytic communities in coffee plants of different varieties. *Agrosystems, Geosciences & Environment* (https://doi.org/10.1002/agg2.20476)
- 2023. Interviewed by the *Washingtonian* magazine on the possible reasons behind more mushrooms sprouting in the DC area. "Seeing More Mushrooms Around DC? Blame the Summer Storms." Aug. 8th, 2023.
- 2023. "Endophytes colonize and protect coffee seedlings", by Linda Stewart for *The Microbiologist* (May 15, 2023), the news magazine for Applied Microbiology International, highlighting our article Escudero-Leyva et al. 2023. The endophytobiome of wild Rubiaceae as a source of antagonistic fungi against the American Leaf Spot of coffee (*Mycena citricolor*). *Journal of Applied Microbiology* 134: lxad090
- 2023. Interviewed by the *Washingtonian* magazine on the science behind the HBO series "The Last of Us." "Maryland Scientist Explains Just How Realistic "The Last of Us" Zombie Fungus Is". Feb. 8th, 2023.

- 2022. Interviewed for the article "Los hongos: Base de la vida" [Fungi: The base of life], by Karol Quesada-Noguera. Semanario Universidad, Ciencia más Tecnología supplement. Sep. 21st, 2022.
- 2022. "Una ingeniera forestal y una microbióloga se incorporan a la Academia Nacional de Ciencias" [A forest engineer and a microbiologist are inducted into the National Academy of Sciences], by Karol Quesada-Noguera. University of Costa Rica news. Jul. 25th, 2022
- 2021. Selected for the book: "Mujeres del Bicentenario" [Women of the Bicentenary], page 205. The book celebrates women in Costa Rica that have contributed to various fields during the 200 years since the country's independence. The open-access book can be downloaded here.
- 2019. "Científicos de la UCR ayudan a conservar arte del teatro" [Scientists from University of Costa Rica help conserve art in the National Theater], by Lucía Astorga for La Nación newspaper, Oct. 28th, 2019.
- 2018. "Científicos ticos descubren dos nuevas especies de hongos ocultas en obras del siglo XIX" [Costa Rican scientists discover two new species of fungi hidden in art from the XIX century]. La Nación newspaper, Costa Rica, 18 May 2018.
- 2018. "Rescuing Ancient Art from Microbes" by Debbie Ponchner for *Scientific American* 319(3):16 (September 2018), highlighting our article: Coronado et al. 2018. Two new cellulolytic fungal species isolated from a 19th-century art collection. *Scientific Reports* 8: 7492.
- 2018. "Researchers Hope to Defuse Fusarium Wilt With Friendly Fungi" by Paul Rusnak for Growing Produce (May 23rd, 2018).
- 2018. "BLP e Intel Costa Rica incentivan en niñas pasión por las ciencias, tecnología, ingeniería y matemáticas" [BLP and Intel Costa Rica encourage girls' passion for science, technology, engineering and math (STEM)], by Empresas and Management, 9 Oct. 2018.
- 2018. "MICITT reunió a mujeres para hablar sobre participación femenina en la ciencia y tecnología" [Ministry of Science, Technology and Telecommunications gathered women to discuss female participation in science and technology], by Mariangel Obando for La República newspaper, April 26th, 2018.
- 2017. TERP Magazine in an article: "Fight Fungus with Fungus: UMD Researcher in EyeOpening Battle Against a Coffee Scourge" by C. Carroll. Mar. 2017, Maryland, U.S.A.
- 2017. Between the Columns newsletter: "Fight Fungus with Fungus" by C. Carroll. Mar. 2017, Maryland, U.S.A.
- 2017. MomentUM magazine: "Biologic controls could save coffee" by G. Binder. Jan. 2017. Cover photo of our research team. Maryland, U.S.A.
- 2017. UMD Right Now: "UMD Professor Receives $720k from NSF for Research to Eliminate "Coffee Rust" Disease in Costa Rica" by G. Binder. Dec. 2017. Maryland, U.S.A.
- 2017. The Diamondback (UMD newspaper): "Coffee rust is killing Latin American plants; A UMD professor is searching for a cure" by K. Escobar. Oct. 2016. Maryland, U.S.A.

- 2017. Bionovelus newsletter: "The Cure for Coffee Rust Disease: A Mission from A UMD Professor." U.S.A.
- 2016. " 'Doctora de plantas' es la científica destacada del año ("Plant doctor" is the distinguished scientist of the year). La Nación newspaper, Costa Rica, Aug. 31, 2016. (Part of the video of the interview appears here.
- 2015. Interviewed by M. Alonso, for Pathways Magazine for the article: "Priscila Chaverri, Ph.D.: Fighting to make produce chemical-free." (Spring issue). Maryland, U.S.A.
- Television: 2011: Interviewed by Anita Brinkman (WUSA9 news) about "Dangers of eating wild mushrooms" (September 27, 2011). Washington D.C., U.S.A.
- 2011: Interviewed for the article "UMD Professor's Project to Save Amazon Rubber Trees" of the Latin American Studies Center newsletter (Spring 2011). Maryland, U.S.A.
- 2010: Featured on the "Spotlight" section of the newsletter *Research@Maryland* (Sep.-Oct. issue). Maryland, U.S.A.
- 2010: Interviewed for news article on *The Diamondback* (Sep. 23, 2010) entitled "Fighting fungi", which describes the recent NSF funded project on *Hevea*-associated fungi. Maryland, U.S.A.
- 2009: Interviewed for *The Scientist* magazine (June, vol. 23, no. 6) in an article entitled: "A Fading Field." International magazine.

VII. SERVICE:

VII.1. EDITORSHIPS AND EDITORIAL BOARDS:

Editorships and Editorial Boards:

- Associate Editor and Editorial Board of *Mycological Progress*. 2016-present.
- Associate Editor and Editorial Board *Revista de Biología Tropical / International Journal of Tropical Biology and Conservation*, 2022-2024
- Review Editor and Editorial Board *Mycologia*, 2023
- Executive Editor and Editorial Board *Mycologia*, 2019-2022.
- Associate Editor and Editorial Board for *Frontiers in Fungal Biology*: Fungi-Plant Interactions, 2022-2023.
- Review Editor and Editorial Board for *Frontiers in Fungal Biology*: Fungi-Plant Interactions, 2020-2022.
- Special Topic Editor (Endophytes and their Biotechnological Applications), *Frontiers in Bioengineering and Biotechnology*, 2021
- Subject Editor and Editorial Board *Mycokeys* 2018-2019.
- Subject Editor and Editorial Board *Tropical Plant Pathology* 2018-2019.

- Associate Editor and Editorial Board of *Phytopathology*. 2012-2014.

Reviewing Activities for Agencies and Foundations:

- Reviewed proposals submitted to various U.S. National Science Foundation programs; European Research Council, Synergy Grants Scheme; LA Epscor program; USDA Biotech review panel (CSREES grants).

VII.2. COMMITTEES, PROFESSIONAL & UNIVERSITY CAMPUS SERVICE:

University Campus Service: Department

- Chair, Environmental Health and Safety Committee (BSU). 2026-present
- Chair, Space Allocation and Equipment Committee (BSU). 2024-present
- Member of the Appointment, Rank, and Tenure (ART) Committee (BSU). 2023-present
- Search Committee for Biotechnology faculty position (BSU). 2023
- Academics Committee (Escuela de Biología, UCR). 2019-2021
- Committee of "Licenciatura" Biology Proposals (Escuela de Biología, UCR). 2015-2021
- Biology Graduate Program (M.Sc.) Committee (Escuela de Biología, UCR). 2013-2021.
- Search Committee for Small Fruit/Grape Pathologist faculty position (UMD). 2012-2013
- Chair, Departmental Seminar Series (UMD). 2012-2013
- Search committee for PSLA Department Chair position (UMD). 2011
- Merit Pay Review committee (UMD). 2010, 2011
- Search committee for CFS3/PSLA Assistant Professor position (UMD). 2010.
- Graduate committee (UMD). 2008-2019
- Safety committee (Howard U.). 2007, 2008
- Webmaster for Dept. of Biology, Howard U. 2005-2008.

University Campus Service: College

- Sciences Graduate Program (Ph.D.) Committee (SEP, Facultad de Ciencias, UCR). 2015-2022

University Campus Service: University

- Chair, Biosciences and Biotechnology PhD program development committee (BSU). 2023-2026

- Director of Communications Search Committee, Bowie State University (2025)
- Fungi Curator, University of Costa Rica Herbarium (USJ) (2014-2021)
- Director of Howard University Herbarium (2007-2008)

Service to Professional Societies or Committees:

- Executive Vice President, Mycological Society of America (MSA). 2024-2027.
- Elected member of the Executive Committee for the International Mycological Association. 2024-2031.
- Member of Mycological Society of America (MSA) Editorial Advisory Committee (2026-2028)
- Member of Mycological Society of America (MSA) Public Policy and Advocacy *ad hoc* Committee (2026-2027)
- Member of the International Travel Awards Committee, Mycological Society of America (MSA). 2024.
- Chair and organizer of the 44th Mid-Atlantic States Mycology Conference (Bowie, MD, 2023).
- Member of the Gender Committee for the National Academy of Sciences (Costa Rica). 2023-present
- Member of the Environment Theme Committee for the 11th International Mycological Congress (Puerto Rico, 2018).
- Member of the Advisory Committee for Academic Diversity (ACAD) of the Organization for Tropical Studies (OTS). 2010-2017.
- Chair of the Fungal Nomenclature Committee for the Mycological Society of America. 2015-2017
- Member of the International Commission on Taxonomy of Fungi (ICTF), part of the International Mycological Association (IMA). 2011-2016
- Member of the Fungal Nomenclature Committee for the Mycological Society of America. 2013-2015
- Member of the Fungal Working Group (Consortium for the Barcode of Life). 2010-2012. This group consisted of 15-20 selected mycologists representing different fields of interest in mycology and from a broad geographic distribution.
- Chair of Scientific Committee for the VII Latin American Mycological Congress, Costa Rica, 2011.
- Chair of the “Barcode of Fungi” session for the Latin American Mycological Congress, Costa Rica, 2011.

- Mycological Society of America representative to American Type Culture Collection, Manassas, Virginia (2007-2009, 2009-2011)
- Member of the International Committee on Taxonomy of *Trichoderma* (ICTT).
- Co-Chair, with Dr. Y.-M. Yu, of the session "Taxonomy of Ascomycetes" for the Asian Mycological Congress, Taiwan, 2009.

VIII. OTHER, including PROFESSIONAL DEVELOPMENT and OUTREACH:

- Policy Bootcamp and Congressional Visits Day, American Institute for Biological Sciences (AIBS), Washington DC, 20-22 April, 2026.
- Member of U.S. National Science Foundation Environmental Data Science Innovation & Impact Lab (ESIIL) Fungal Dispersal Traits working group: Advancing Fungal Dispersal Ecology through Traits and Data Harmonization (https://cu-esiil.github.io/fungal_dispersal/).
- Panelist for the "Career Luncheon" organized by the Student and Postdoc Section of the Mycological Society of America (MSA) during MSA's annual meeting in Markham, Canada. June 2024.
- Panelist for "How to become a mycologist?" (Cómo convertirse en Micólogue?). A panel in Spanish organized by the Student and Postdoc section of the Mycological Society of America and directed to the Latinx mycological community. Oct. 13, 2022. Virtual.
- Judge to select videos representing Costa Rica at the international competition "Descubramos a las Científicas Latinoamericanas" [Discovering Latin American Women Scientists] organized by Inter-American Network of Academies of Sciences (IANAS). The videos were done by students 14-23 years old. Competition in Costa Rica organized by the National Academy of Sciences (Costa Rica). May, 2022.
- Invited panelist for the thematic session: "Science, technology, engineering, and mathematics (STEM) and gender: Challenges to a transformative recovery with gender equality in Latin America and the Caribbean" [Ciencia, tecnología, ingeniería y matemáticas y género: Desafíos para una recuperación transformadora con igualdad de género en América Latina y el Caribe]. The session was part of the "Third Meeting of the Conference on Science, Innovation and Information Technologies and the Communications for Latin America and the Caribbean." [Tercera Reunión de la Conferencia de Ciencia, Innovación y Tecnologías de la Información y las Comunicaciones de América Latina y el Caribe]. The Meeting is organized by the United Nations Economic Commission for Latin America and the Caribbean (CEPAL). Dec. 13-15, 2021.
- Invited professor University of Brasilia, Department of Phytopathology. April-June 2019 (Hosts: Dr. Danilo Batista Pinho and Dr. Jose Carmine Dianese).
- Sabbatical at Naturalis Biodiversity Centre, Leiden, Netherlands. Sep.-Nov. 2017 (Host: Dr. Józef Geml).
- Faculty for the Behavior, Ecology, Evolution and Systematics (BEES) Graduate Program at UMD (2008-2019)

- Taxonomist collaborating in the Inventory of fungi of Costa Rica. INBio. Costa Rica. Project funded by GEF. 1998-2007
- Described >100 new species, 10 new genera, and one class of fungi new to science.
- One dedicated fungal species: *Trichoderma priscilae* Jaklitsch & Voglmayr (2015). Dedication/etymology: *"Named after Priscila Chaverri for her contributions to* Trichoderma *taxonomy."*
- Languages: Spanish (proficient, native language), English (proficient).