

Danny Haelewaters

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I. EDUCATION

- 2012-2018 PhD in Organismic and Evolutionary Biology, Harvard University, Faculty of Arts and Sciences, Cambridge, Massachusetts (with *Donald H. Pfister*)
- 2007-2011 Master of Science in biology, Ghent University, Faculty of Sciences, Ghent, Belgium (with *Annemieke Verbeken* and *André De Kesel*)
- 2006-2009 Bachelor in Biology, Ghent University, Faculty of Sciences, Ghent, Belgium (with *Annemieke Verbeken*)
- 2001-2004 Bachelor in Veterinary Sciences, University of Antwerp, Antwerp, Belgium

II. PROFESSIONAL EXPERIENCE

- Jan 2025-present Lab Head, Biology Centre of the Czech Academy of Sciences, Institute of Entomology, Department of Ecology, Lab of Fungal Ecology and Evolution
- Sep 2022-present Visiting Professor, Ghent University, Department of Biology, Ghent, Belgium
- Sep 2022-present Associate Researcher, Universidad Autónoma de Chiriquí, Facultad de Ciencias Naturales y Exactas, Centro de Investigaciones Micológicas (CIMi), David, Panama
- Apr 2019-present Researcher, University of South Bohemia, Faculty of Science, Department of Zoology, České Budějovice, Czech Republic

II. PROFESSIONAL EXPERIENCE

- Oct 2023-Jan 2025 Research Foundation–Flanders Senior Postdoctoral Fellow, Ghent University, Department of Biology, Research Group Mycology, Ghent, Belgium
- Oct 2022-Sep 2023 Postdoctoral Associate in Fungal Systematics, University of Colorado Boulder, Department of Ecology and Evolutionary Biology (with *C. Alisha Quandt*)
- Sep 2021-Dec 2023 Research scientist, Biology Centre of the Czech Academy of Sciences, Institute of Entomology, České Budějovice, Czech Republic
- Nov 2020-Sep 2022 Research Foundation–Flanders Junior Postdoctoral Fellow, Ghent University, Department of Biology, Research Group Mycology, Ghent, Belgium
- Nov 2018-Nov 2020 Postdoctoral Research Assistant, Purdue University, Department of Botany and Plant Pathology, West Lafayette, Indiana (with *M. Catherine Aime*)

Aug 2018- Mar 2019	Postdoctoral Researcher, University of South Bohemia, Faculty of Science, Department of Zoology, České Budějovice, Czech Republic (with <i>Oldřich Nedvěd</i>)
2017-2018	Principal Investigator, Boston Harbor Islands All-Taxa Biodiversity Inventory of Fungi, National Park Service, Boston Harbor Now, Boston, Massachusetts
Summer 2017	Short-Term Research Fellow, Smithsonian Tropical Research Institute, Gamboa, Panama
Spring 2009	Intern, project “Identification of fungal traces using DNA for forensic purposes”, Netherlands Forensic Institute, Den Haag, The Netherlands (with <i>Irene Kuiper</i> and <i>Annemieke Verbeken</i>)

III. EXTERNAL FUNDING

Agency	Czech Science Foundation—Junior Star
Title	A multiscale perspective on multitrophic interactions of bats, their parasites, and pathogens
Duration	Five years (2026–2030)
Amount	€935,252
Role	PI
Agency	Visegrad Fund
Title	C4inV4 – Courses to improve Collaboration in V4 Countries to learn about Cryptic fungi
Duration	18 months (2024–2026)
Amount	€37,878
Role	PI
Agency	Academy Council of the Czech Academy of Sciences—Lumina Quaeruntur Program
Title	Skupina pro Monitorování Biodiverzity – Biodiversity Monitoring Group
Duration	Five years (2025–2029)
Amount	€752,166
Role	PI
Agency	Biodiversa+ and Technology Agency of the Czech Republic (TAČR)
Title	FunDive – Monitoring and mapping fungal diversity for nature conservation
Duration	Three years (2024–2026)
Amount	€3,688,837 (share to Haelewaters: €28,680)
Role	Co-PI (PI Jacob Heilmann-Clausen)
Agency	Research Foundation – Flanders
Title	FunBat – Tritrophic interactions among FUNgi, flies, and BATs: systematics, taxonomy, and community ecology
Duration	Three years (2023–2026)
Amount	€238,268 (including 1.0 FTE stipend for Haelewaters)
Role	PI
Agency	Norwegian Taxonomy Initiative
Title	iNoLa – Inventory of the Norwegian species of thallus-forming Laboulbeniales associated with beetles, with particular focus on the superfamily Staphylinoidea
Duration	Four years (2023–2026)

Amount	€330,000 (share to Haelewaters: €88,000)
Role	Co-PI (PI Vladimir Gusarov)
Agency	US National Science Foundation—Poorly Sampled and Unknown Taxa
Title	Collaborative Research: PurSUiT: Species diversity and evolution of parasitic microfungi
Duration	Three years (2021–2024)
Amount	\$1,499,207 (share to Haelewaters: \$25,000)
Role	Co-PI (PI M. Catherine Aime)
Agency	Czech Science Foundation
Title	Do entomopathogenic fungi drive arthropod diversity gradients via host negative density dependence?
Duration	Three years (2021–2023)
Amount	€376,814 (share to Haelewaters: €11,864)
Role	20% researcher (PI Tom Fayle)
Agency	US National Science Foundation—Poorly Sampled and Unknown Taxa
Title	Collaborative Research: In PurSUiT of a phylogenetic, genomic, and functional framework for the environmentally diverse and poorly characterized fungal class, Leotiomycetes
Duration	Four years (2020–2024)
Amount	\$945,605 (share to Haelewaters: \$221,049)
Role	Co-PI (PI C. Alisha Quandt)
Agency	Research Foundation – Flanders
Title	Laboulbeniales hyperparasitic fungi of bat flies: host specificity and patterns of speciation
Duration	Two years (2020–2022)
Amount	€128,000 (including 1.0 FTE stipend for Haelewaters)
Role	PI

IV. FELLOWSHIPS, AWARDS, and GRANTS

2025	Martin-Baker Research Award, Mycological Society of America (\$3,000)
2024	Elias Magnus Fries Medal outstanding early career research in mycology, International Mycological Association
2024	Travel grant, King Leopold III Fund for Nature Exploration and Conservation (€3,200)
2024	Travel grant, Jan Joost ter Pelkwijk Fund (€400)
2023	European Union's Horizon 2020 project INTERACT, grant no. 871120 (€4,000)
2022-2024	Postdoctoral Fellowship Podpory Perspektivních Lidských Zdrojů (PPLZ) programme, Czech Academy of Sciences (<i>offer declined</i>)
2022	Forest Fungal Ecology Postdoctoral Research Award, Mycological Society of America (\$2,500)
2020	Purdue University Libraries Open Access Publishing Fund award (\$1,870)
2020	Systematics Research Fund grant, Linnean Society of London and Systematics Association (£1,323)
2020	Travel grant, King Leopold III Fund for Nature Exploration and Conservation (€1,250)
2019	Purdue University Postdoc Travel Grant (\$500)
2019	Senior Research Grant, Indiana Academy of Science (\$3,000)
2019	Winona Welch Award for Botanical Biodiversity Research, Indiana Academy of Science (\$2,461)
2019	SYNTHEsys+ award no. BE-TAF-151, European Union (€1,879)
2018	Royal T. Moore Conference Travel Award, Harvard University Department of Organismic and Evolutionary Biology (\$1,000)

- 2018 Harvard Open-Access Publishing Equity Fund award (\$2,474)
- 2018 Forest Fungal Ecology Postdoctoral Research Award, Mycological Society of America (\$1,250)
- 2018 Harry Morton Fitzpatrick Mentor Student Travel Award, Mycological Society of America (\$1,000)
- 2017 Robert W. Lichtwardt Student Research Award, Mycological Society of America (\$1,000)
- 2017 Les Mehrhoff Botanical Research Fund, New England Botanical Club (\$2,034)
- 2017 Graduate Fellowship, Friends of the Farlow (\$4,000)
- 2016 Conference Travel Grant, David Rockefeller Center for Latin American Studies (\$300)
- 2016 Short-Term Research Fellowship, Smithsonian Tropical Research Institute (\$2,000)
- 2016 Graduate Research Fellowship, Mycological Society of America (\$2,000)
- 2015-2017 Research travel grants, David Rockefeller Center for Latin American Studies (\$6,700)
- 2015-2016 Simmons Awards, Harvard Center for Biological Imaging (\$2,070)
- 2015 PhD Scholarship, Georgia Entomological Society (\$500)
- 2015 Graduate Student Research Fellowship, Torrey Botanical Society (\$1,000)
- 2015 Richard P. Korf Mentor Student Travel Award, Mycological Society of America (\$500)
- 2015 Graduate Student Council Conference Grant, Harvard University (\$750)
- 2014 Bayard Long Award for Botanical Research, Philadelphia Botanical Club (\$1,000)
- 2014 Fernald Fund Award, Harvard University Herbaria (\$5,000)
- 2013-2014 Theodore Roosevelt Memorial Fund Research Award, American Museum of Natural History, New York (\$2,500)
- 2012-2013 Collection Study Grant, American Museum of Natural History, New York (\$1,354)
- 2012-2018 Graduate Student Fellowship, Harvard University Graduate School of Arts and Sciences (\$73,290/year)
- 2012-2013 Honorary Award, Belgian American Educational Foundation
- 2012 Fernand Lazard Foundation Fellowship (€10,000)
- 2011-2012 Uytenboogaart-Eliassen Foundation award (€500)

V. PEER-REVIEWED ARTICLES [*mentee author, #co-first author]

140 peer-reviewed papers since 2012. Complete list available as a supplement to this CV. Small selection shown here:

- *de Groot MD, *Christou M, *Pan JY, Adriaens T, Maes D, Martinou AF, Roy HE, Verbeken A, **Haelewaters D**. 2024. Beetlehangers.org: harmonizing host–parasite records of *Harmonia axyridis* and *Hesperomyces harmoniae*. *Arthropod-Plant Interactions* 18(4): 665-679.
- Haelewaters D**, Quandt CA, Bartrop L, Cazabonne J, Crockatt ME, Cunha SP, De Lange R, Dominici L, Douglas B, Drechsler-Santos ER, Heilmann-Clausen J, Irga PJ, Jakob S, Lofgren L, Martin TE, Muchane MN, Stallman JK, Verbeken A, Walker AK, Gonçalves SC. 2024. The power of citizen science to advance fungal conservation. *Conservation Letters* 13(7): e13013.
- Haelewaters D**, Matthews TJ, Wayman JP, Cazabonne J, *Heyman F, Quandt CA, Martin TE. 2024. Biological knowledge shortfalls impede conservation efforts in poorly studied taxa—A case study of Laboulbeniomycetes. *Journal of Biogeography* 51(1): 29-39.
- *Van Caenegem W, *Blondelle A, *Dumolein I, *Santamaria B, Dick CW, Hiller T, Liu J, Quandt CA, Villarreal Saucedo RV, Verbeken A, **Haelewaters D**. 2023. Five new species of *Gloeandromyces* (Fungi, Laboulbeniales) from tropical American bat flies (Diptera, Streblidae), revealed by morphology and phylogenetic reconstruction. *Mycologia* 115(5): 714-737.

- Haelewaters D**, *Lubbers M, De Kesel A. 2022. The haustorium as a driving force for speciation in thallus-forming Laboulbeniomycetes. *IMA Fungus* 13: 1.
- Haelewaters D**, Hofmann TA, Romero-Olivares AL. 2021. Ten simple rules for Global North researchers to stop perpetuating helicopter research in the Global South. *PLoS Computational Biology* 17(8): e1009277.
- Haelewaters D**, Blackwell M, Pfister DH. 2021. Laboulbeniomycetes: Intimate fungal associates of arthropods. *Annual Review of Entomology* 66: 257-276.

VI. BOOKS & BOOK CHAPTERS

- Haelewaters D** (ed.) 2026. *Diversity and evolution of fungal parasites and pathogens*. Elsevier (in preparation).
- Haelewaters D**, De Wint FC, Gorczak M, Jensen AB, Francis F, Luangsa-ard J, Pawłowska J, Ruszkiewicz-Michalska M, Tischer M, Verbeke A, Ben Fekih I. 2026. Ecology and management perspectives in arthropod–fungal associations. In: **Haelewaters D** (ed.) *Diversity and evolution of fungal parasites and pathogens*. Elsevier (accepted).
- Cazabonne J, Martin TE, Matthews TJ, Quandt CA, Wayman JP, **Haelewaters D**. 2026. Knowledge gaps explored for Laboulbeniomycetes, a clade of understudied microfungi, including a new shortfall related to a lack of taxonomic expertise. In: **Haelewaters D** (ed.) *Diversity and evolution of fungal parasites and pathogens*. Elsevier (accepted).
- Bermúdez-Cova MA, **Haelewaters D**, de Bekker C, Schoutteten N, Piepenbring M, Quandt CA. 2026. Hyperparasitic fungi—definitions, diversity, ecology, and research. In: **Haelewaters D** (ed.) *Diversity and evolution of fungal parasites and pathogens*. Elsevier (accepted).
- Kaishian P, Lubbers M, Ben Fekih I, de Groot MD, Schilthuizen M, **Haelewaters D**. 2026. Definitions of parasites and pathogens through time. In: **Haelewaters D** (ed.) *Diversity and evolution of fungal parasites and pathogens*. Elsevier (accepted).
- Luo C, **Haelewaters D**, Krings M. 2026. Fossils of parasitic fungi. In: **Haelewaters D** (ed.) *Diversity and evolution of fungal parasites and pathogens*. Elsevier (accepted).
- Diederich P, Sulistyo BP, **Haelewaters D**, Dirks AC, Lawrey JD. 2022. Class Agaricomycetes, order Atheliales. Pp. 41-46. In: Diederich P, Millanes AM, Wedin M, Lawrey JD (eds.) *Flora of Lichenicolous Fungi*, Volume 1, Basidiomycota. National Museum of Natural History, Luxembourg.
- Haelewaters D**, Gorczak M, Kaishian P, De Kesel A, Blackwell M. 2021. Laboulbeniomycetes, enigmatic fungi with a turbulent taxonomic history. Pp. 263-283. In: Zaragoza Ó, Casadevall A (eds.) *Encyclopedia of Mycology*, Volume 1. Elsevier, Oxford.
- Quandt CA, **Haelewaters D**. 2021. Phylogenetic Advances in Leotiomycetes, an Understudied Clade of Taxonomically and Ecologically Diverse Fungi. Pp. 284-294. In: Zaragoza Ó, Casadevall A (ed.) *Encyclopedia of Mycology*, Volume 1. Elsevier, Oxford.
- Haelewaters D**, Dick CW, Cocherán Pittí KP, Dittmar K, Patterson BD. 2021. Chapter 21. Bats, Bat Flies, and Fungi: Exploring Uncharted Waters. Pp. 349-371. In: Lim BK, Fenton MB, Brigham RM, Mistry S, Kurta A, Gillam EH, Russell A, Ortega J (eds.) *50 Years of Bat Research*. Fascinating Life Sciences. Springer, Cham.
- Haelewaters D**. 2020. Wie zit er op mijn schild? Schimmels op geleedpotigen. Pp. 416-419. In: van Wielink P, Felix R, van Kemenade J, Mol A, Peeters T, Stooker G (eds.) *De Kaaistoep, het best onderzochte stuk natuur in Nederland*. KNNV-afdeling Tilburg, The Netherlands.

VII. EDITORIALS

- Haelewaters D**, Yaakop S. 2024. Editorial: Ladybirds and Their Biotic Interactions. *Arthropod-Plant Interactions* 18(4): 613-615.
- Haelewaters D**, Gafforov Y, Zhou LW. 2022. Editorial: Biodiversity and Conservation of Fungi and Fungus-like Organisms. *Frontiers in Fungal Biology* 3: 973249.
- Haelewaters D**, Losey JE, Soares AO. 2022. Editorial: Ladybirds: Conservation, Ecology and Interactions with Other Organisms. *Frontiers in Conservation Science* 3: 1038307.
- Haelewaters D**, Albert M. 2021. Introduction to a Special Issue—Boston Harbor Islands National Recreation Area: Overview of Recent Research. *Northeastern Naturalist* 25(Special Issue 9): vi-x.

Haelewaters D, Kasson MT. 2020. Animal-Associated Fungi: Editorial. *Mycologia* 112(6): 1045-1047.

VIII. CONFERENCE PROCEEDINGS

- Nedvĕd O, Santamaria B, Awad M, Sakaki S, **Haelewaters D**. Control of *Harmonia axyridis* by the ectoparasitic fungus *Hesperomyces harmoniae*. In: Tarasco E, Quesada-Moraga E, Lopez-Ferber M, Ruiu L, Půža V, Stephan D, Nermut J (eds.). Working Group “Microbial and Nematode Control of Invertebrate Pests”. Proceedings of the 18th Meeting “Microbial Control Agents in the Age of Global Change” at České Budějovice (Czech Republic), 19-22 June, 2022. IOBC-WPRS Bulletin 162: 38-41.
- Haelewaters D**, Hiller T, Pan FY, Pan JY. 2019. Tracking an ectoparasitic fungus of *Harmonia axyridis* in the USA using literature records and citizen science data. In: **Haelewaters D**, Collatz J (eds.) IOBC-WPRS Working Group “Benefits and Risks of Exotic Biological Control Agents”. Proceedings of the fourth meeting at Ponta Delgada, Azores, Portugal. September 12-14, 2018. IOBC-WPRS Bulletin 145: 16-21.
- Haelewaters D**. 2019. *Hesperomyces “harmoniae”* nom. prov. (Laboulbeniales), an ectoparasitic fungus specific to *Harmonia axyridis*. In: **Haelewaters D**, Collatz J (eds.) IOBC-WPRS Working Group “Benefits and Risks of Exotic Biological Control Agents”. Proceedings of the fourth meeting at Ponta Delgada, Azores, Portugal. September 12-14, 2018. IOBC-WPRS Bulletin 145: 52-54.
- Haelewaters D**, Shapiro-Ilan DI, Cottrell TE. 2018. Will dual fungal infections increase mortality of *Harmonia axyridis* in natural populations? In: **Haelewaters D**, De Clercq P, Haas J, Howe AG, Roy HE, Shaw D, Brown PMJ (eds.) IOBC-WPRS Working Group “Benefits and Risks of Exotic Biological Control Agents”. Proceedings of the third meeting at Bornholm (Denmark). May 13-15, 2015. IOBC-WPRS Bulletin 137: 13-17.
- Cheeke TE, Branco S, **Haelewaters D**, Natvig DO, Maltz M, Cantrell Rodriguez S, May G. 2016. Diversity in the Mycological Society of America. *Inoculum* 67(4): 11.
- Haelewaters D**, Pfister DH. 2016. Molecular analysis reveals host-associated diversity in a microscopic fungal parasite. *Inoculum* 67(4): 22.
- Camacho J, Heyde A, Bhullar BAS, **Haelewaters D**, Simmons NB, Abzhanov A. 2016. The evolution and development of diverse and adaptive skull shapes in New World leaf-nosed bats. *Integrative and Comparative Biology* 56(Suppl. 1): e30.
- Wang TW, **Haelewaters D**, Pfister DP. 2015. *Herpomyces chaetophilus*, a new record of Laboulbeniales for North America. *Rhodora* 117(972): 524.
- Uehling JK, Lee S, Adams C, Maltz MR, **Haelewaters D**. 2014. MSA Student Section 2014 - Fungal functional traits. *Inoculum* 65(3): 53.
- Haelewaters D**, Zhao SY, De Kesel A, Pfister DH. 2013. The Laboulbeniales of the Boston Harbor Islands. *Phytopathology* 103(Suppl. 2): 54.
- Haelewaters D**, Pfister DH. 2013. Two new species of *Diphymyces* (Laboulbeniales) from Borneo. *Phytopathology* 103(Suppl. 2): 54.

IX. OTHER PUBLICATIONS

- Van Caenegem W, **Haelewaters D**. 2025. Nomenclatural novelties. *Index Fungorum* 580: 1-2.
- Bartrop L, **Haelewaters D**. 2022. Nomenclatural novelties. *Index Fungorum* 515: 1.
- Gonçalves SC, **Haelewaters D**, Furci G, Mueller GM. 2021. Include all fungi in biodiversity goals. *Science* 373(6553): 403.
- Koukol O, **Haelewaters D**. 2021. Laboulbeniales – nejprapodivnější houboví paraziti / Laboulbeniales – the most peculiar fungal parasites. *Časopis Živa*, ročník 1/2021: 8-11.
- Stervander M, **Haelewaters D**. 2020. Fishiness of piscine birds linked to absence of poisonous fungi but not pizza. *Oceanography & Fisheries Open Access Journal* 12(5): 555850.
- Antonelli A, Fry C, Smith RJ, Simmonds MSJ, Kersey PJ, Pritchard HW, Abbo MS, Acedo C, Adams J, Ainsworth AM, Allkin B, Annecke W, Bachman SP, Bacon K, Bárrrios S, Barstow C, Battison A, Bell E, Bensusan K, Bidartondo MI, Blackhall-Miles RJ, Bonglim B, Borrell JS, Brearley FQ, Breman E, Brewer RFA, Brodie J, Cámara-Leret R, Campostrini Forzza R, Cannon P, Carine M, Carretero J, Cavagnaro TR, Cazar ME, Chapman T, Cheek M, Clubbe C, Cockel C, Collemare J, Cooper A, Copeland AI,

Corcoran M, Couch C, Cowell C, Crous P, da Silva M, Dalle G, Das D, David JC, Davies L, Davies N, De Canha MN, de Lirio EJ, Demissew S, Diazgranados M, Dickie J, Dines T, Douglas B, Dröge G, Dulloo ME, Fang R, Farlow A, Farrar K, Fay MF, Felix J, Forest F, Forrest LL, Fulcher T, Gafforov Y, Gardiner LM, Gâteblé G, Gaya E, Geslin B, Gonçalves SC, Gore CJN, Govaerts R, Gowda B, Grace OM, Grall A, **Haelewaters D**, Halley JM, Hamilton MA, Hazra A, Heller T, Hollingsworth PM, Holstein N, Howes MJR, Hughes M, Hunter D, Hutchinson N, Hyde K, Iganci J, Jones M, Kelly LJ, Kirk P, Koch H, Krisai-Greilhuber I, Lall N, Langat MK, Leaman DJ, Leão TC, Lee MA, Leitch IJ, Leon C, Lettice E, Lewis GP, Li L, Lindon H, Liu JS, Liu U, Llewellyn T, Looney B, Lovett JC, Łuczaj Ł, Lulekal E, Maggassouba S, Malécot V, Martin C, Masera OR, Mattana E, Maxted N, Mba C, McGinn KJ, Metheringham C, Miles S, Miller J, Milliken W, Moat J, Moore PGP, Morim MP, Mueller GM, Muminjanov H, Negrão R, Nic Lughadha E, Nicolson N, Niskanen T, Nono Womdim R, Noorani A, Obreza M, O'Donnell K, O'Hanlon R, Onana JM, Ondo I, Padulosi S, Paton A, Pearce T, Pérez Escobar OA, Pieroni A, Pironon S, Prescott TAK, Qi YD, Qin H, Quave CL, Rajaovelona L, Razanajatovo H, Reich PB, Rianawati E, Rich TCG, Richards SL, Rivers MC, Ross A, Rumsey F, Ryan M, Ryan P, Sagala S, Sanchez MD, Sharrock S, Shrestha KK, Sim J, Sirakaya A, Sjöman H, Smidt EC, Smith D, Smith P, Smith SR, Sofu A, Spence N, Stanworth A, Stara K, Stevenson PC, Stroh P, Suz LM, Tatsis EC, Taylor I, Thiers B, Thormann I, Trivedi C, Twilley D, Twyford AD, Ulian T, Utteridge T, Vaglica V, Vásquez-Londoño C, Victor J, Viruel J, Walker BE, Walker K, Walsh A, Way M, Wilbraham J, Wilkin P, Wilkinson T, Williams C, Winterton D, Wong KM, Woodfield-Pascoe N, Woodman J, Wyatt L, Wynberg R, Zhang BG. 2020. State of the World's Plants and Fungi 2020. Royal Botanic Gardens, Kew. DOI: <https://doi.org/10.34885/172>

- Haelewaters D**. 2020. Nomenclatural novelties. Index Fungorum 436: 1.
- De Kesel A, Gerstmans C, **Haelewaters D**. 2020. Catalogue of the Laboulbeniomyces of Belgium. *Sterbeekia* 36: 3-143.
- De Kesel A, **Haelewaters D**. 2019. Laboulbeniales (Fungi, Ascomycota) of cholevine beetles (Coleoptera, Leioididae) in Belgium and the Netherlands. *Sterbeekia* 35: 60-66.
- Haelewaters D**, Pfliegler WP, *Gorczyk M, Pfister DH. 2018. Nomenclatural novelties. Index Fungorum 382: 1.
- Haelewaters D**. 2018. Studies of the Laboulbeniomyces: Diversity, evolution, and speciation. PhD dissertation thesis. Department of Organismic and Evolutionary Biology, Harvard University: 1-287.
- Cheeke TE, Branco S, **Haelewaters D**, Natvig DO, Maltz M, Cantrell Rodriguez S, Cafaro MJ, May G. 2018. Diversity in the Mycological Society of America. *Inoculum* March 2018. Available from: <http://msafungi2.org/wp-content/uploads/2019/03/Diversity-in-the-Mycological-Society-of-America.pdf>.
- Haelewaters D**. 2016. Parasietschimmels op mieren. *Forum Formicidarum* 17 (1): 9-15.
- Haelewaters D**, van Wielink P. 2016. *Hesperomyces virescens* (Laboulbeniales) op een nieuwe gastheer. pp. 9-12. In: Peeters T, van Eck A, Cramer T (eds.) *Natuurstudie in De Kaaistoep*. Verslag 2015, 21e onderzoeksjaar. TWM Gronden BV, Natuurmuseum Brabant & KNNV-afdeling Tilburg.
- De Kesel A, **Haelewaters D**, Dekoninck W. 2016. Myrmecophilous Laboulbeniales (Ascomycota) in Belgium. *Sterbeekia* 34: 3-6.
- Roy K, Mann D, Roy H, Murray K, **Haelewaters D**. 2016. Museum collections, a treasure trove for fungal hunters. *Antenna* 39(4): 178-180.
- Baral HO, **Haelewaters D**. 2015. *Rommelaarsia flavovirens* gen. et sp. nov. (Helotiales), a new discomycete on *Equisetum* with a peculiar asexual state. *Ascomycete.org* 7(6): 321-330.
- Haelewaters D**, De Kock G, van Wielink P. 2015. Nieuwe Laboulbeniales in De Kaaistoep. pp. 11-18. In: Peeters T, van Eck A, Cramer T (eds.) *Natuurstudie in De Kaaistoep*. Verslag 2014, 20e onderzoeksjaar. TWM Gronden BV, Natuurmuseum Brabant & KNNV-afdeling Tilburg.
- De Kesel A, **Haelewaters D**. 2014. Belgian records of Laboulbeniales from aquatic insects (3) – species from *Dryops luridus*. *Sterbeekia* 33: 9-15.

- De Kesel A, **Haelewaters D**, Gerstmans C. 2013. Two interesting species of *Rickia* (Laboulbeniales) from coastal habitats in Belgium and the Netherlands. *Sterbeekia* 32: 6-10.
- Haelewaters D**. 2012. The first record of Laboulbeniales (Fungi, Ascomycota) on ants (Hymenoptera, Formicidae) in The Netherlands. *Ascomycete.org* 4(3): 65-69.
- Haelewaters D**, De Kesel A. 2011. Laboulbeniales van De Kaaistoep. pp. 107-112. In: Cramer T, van Wielink P (eds.) *Natuurstudie in De Kaaistoep. Verslag 2010*, 16e onderzoeksjaar. TWM Gronden BV, Natuurmuseum Brabant & KNNV-afdeling Tilburg.

X. INVITED PRESENTATIONS

65 invited presentations since 2011. A selection is shown below.

- Data points, emotion, and telling stories. *Invited lecture & panelist*, “Round table on Science Communication”, Mikrobiokosmos & CEESME Conference, Thessaloniki, Greece. 23 August 2025.
- Unexplored fungal diversity in unusual habitats. *Plenary speaker*, Mycology & Microbial Technology Session, 1st International Conference on Technological Research and Innovation, Faculty of Technology, Eastern University, Chenkaladi, Sri Lanka. 27 September 2023.
- Ten simple rules for Global North researchers to stop perpetuating helicopter research in the Global South. *Invited lecture*, interdisciplinary workshop “Access to Research Resources and Research Infrastructures: Current Tendencies and Future Implications for the Politics and Organization of Science”, Pufendorf Institute, Lund University, Sweden. 2 June 2023.
- Integrative taxonomy in a changing world. *Invited talk*, Department of Natural History, Norwegian University of Science and Technology, Trondheim, Norway. 24 April 2023.
- The unknown microfungi: a slow road to understanding the cosmopolitan and species-rich Laboulbeniales. *IBER Seminar Series*, Institute for Biodiversity and Environmental Research, Universiti Brunei Darussalam, Bandar Seri Begawan, Brunei. 20 October 2022.
- Quis custodiet ipsos custodiet? *Hesperomyces virescens*, a potential biocontrol agent against the invasive ladybird *Harmonia axyridis*. *Invited symposium talk*, XXVI International Congress of Entomology, Helsinki, Finland. 18 July 2022 (with M.D. de Groot).
- Can we control invasive populations of *Harmonia axyridis* using its natural enemies? *Invited symposium talk*, 30th International Congress for Conservation Biology, Kigali, Rwanda. 14 December 2021.
- Pushing the boundaries of fungal exploration. *Invited lecture*, Faculty of Science and Technology, Umeå University, Sweden. 23 February 2021.
- The future of collections-based research in systematic mycology. *Invited lecture*, Natural History Museum, University of Oslo, Norway. 10 November 2020.
- Factors driving speciation in a group of fungal epibionts on arthropods. *EcoLunch Seminar Series*, Department of Biological Sciences, Purdue University, West Lafayette, Indiana. 28 August 2019.
- LGBT+ in STEM, a must-have conversation. *Invited symposium talk*, 11th International Mycological Congress, San Juan, Puerto Rico. 20 July 2018 (with A.L. Romero-Olivares).
- On the hunt for fungi on flies on bats: A summer of fieldwork in Panama. *Herbaria Seminar Series*, Harvard University Herbaria, Cambridge, Massachusetts. 26 September 2017.
- Fungal ectoparasite spreading throughout the world in the footsteps of its novel main host, the globally invasive harlequin ladybird *Harmonia axyridis*. *Invited symposium talk*, XXV International Congress of Entomology, Orlando, Florida. 30 September 2016.
- Introducción a los Laboulbeniales: hongos ectoparásitos estrictos de artrópodos. *Seminar*, “Taller Internacional: Hongos asociados a insectos: Un aporte al conocimiento de la biodiversidad”, Universidad Autónoma de Chiriquí, David, Panama. 26 July 2016.

XI. SCHOLARLY PRESENTATIONS AND SYMPOSIA [presenter, *mentee author]

106 presentations between 2012 and 2025 of which 50 oral, organizer of 9 symposia. A selection is shown below.

- Haelewaters D**, Matthews TJ, Wayman JP, Cazabonne J, *Heyman F, Quandt CA, Martin TE. Biological knowledge shortfalls of arthropod-associated Laboulbeniomycetes as a case study for poorly studied taxa. *Oral*, XI Congreso Latinoamericano de Micología, Ciudad de Panamá, Panamá. 10 August 2023.
- Sanjuan T, **Haelewaters D**. Hongos asociados a artrópodos. *Symposium organizers*, XI Congreso Latinoamericano de Micología, Ciudad de Panamá, Panamá. 10 August 2023.
- ***Christou M**, *de Groot MD, Adriaens T, Martinou AK, **Haelewaters D**. Mapping the distribution of the ectoparasite *Hesperomyces virescens* associated with *Harmonia axyridis* ladybirds in Europe using citizen science data. *Poster*, 15th International Congress of Parasitology, Copenhagen, Denmark. 21-26 August 2022.
- Haelewaters D**. #SciComm for scientists who work with insects. *Symposium organizer*, XXVI International Congress of Entomology, Helsinki, Finland. 21 July 2022.
- ***Van Caenegem W**, *Blondelle A, *Santamaria B, *Dumolein I, **Haelewaters D**. Eight new species of Laboulbeniales associated with bat flies in tropical America. *Poster*, Mycological Society of America Annual Meeting, Gainesville, Florida. 12 July 2022.
- Haelewaters D**, Gonçalves S. The power of citizen science to advance fungal conservation. *Symposium organizer*, Mycological Society of America Annual Meeting, Gainesville, Florida. 10-14 July 2022.
- Haelewaters D**, Kasson MT, Jusino MA. Animal-associated fungi: from parasitism to mutualism. *Symposium organizer/moderator*, Mycological Society of America Annual Meeting, Minneapolis, Minnesota. 10-14 August 2019.
- Haelewaters D**. Boosting diversity in mycology. *Symposium organizer/moderator*, 11th International Mycological Congress, San Juan, Puerto Rico. 20 July 2018.
- Haelewaters D**. Murciélagos, moscas en murciélagos y hongos Laboulbeniales: un modelo para estudiar hiperparasitismo. *Oral*, III Congreso Científico, Universidad Autónoma de Chiriquí, David, Panamá. 15 August 2017.
- Haelewaters D**. Ten years of research at the Boston Harbor Islands National Park. *Session organizer/moderator*, Northeast Natural History Conference, Springfield, Massachusetts. 23 April 2016.

XII. SELECTED POPULAR SCIENCE PUBLICATIONS

- Haelewaters D, Meerburg F. 2025. Van supermarkt tot apotheek: hou je ogen open voor biopiraterij [in Dutch]. *Eos Wetenschap*. Available from: <https://www.eoswetenschap.eu/natuur-milieu/van-supermarkt-tot-apotheek-hou-je-ogen-open-voor-biopiraterij>
- Haelewaters D. 2024. Doe mee met FunDive, om de diversiteit van paddenstoelen in Europa beter te begrijpen. *Sporen* 17(3): 15-18.
- Haelewaters D. 2023. Taxonoom in zes stappen [in Dutch]. *EOS Wetenschap* 40(10): 16-19.
- Haelewaters D, Meerburg F. 2023. Helikopterprofs moeten landen. *EOS Wetenschap* 40(10): 48-51.
- Meerburg F, Haelewaters D. 2023. De hersenkronkels van een museumconservator [in Dutch]. *EOS Wetenschap* 40(9): 42-47.
- Haelewaters D. 2021. Danny back@ugent [in Dutch]. *Sporen* 14(3): 14-16.
- Haelewaters D. 2020. Een nieuwe soort voor de wetenschap dankzij Twitter [in Dutch]. *Scientias.nl*. Available from: <https://www.scientias.nl/een-nieuwe-soort-voor-de-wetenschap-dankzij-twitter/>
- Haelewaters D, Romero-Olivares A. 2019. In fieldwork, other humans pose as much risk to LGBTQIA+ people as the elements. *But there are steps allies can take to help*. *Massive Science*. Available from: <https://massivesci.com/notes/diversity-fieldwork-field-work/>
- Haelewaters D. 2019. Capturing bats to find fungi on flies. *ReVista*. Available from: <https://revista.drclas.harvard.edu/capturing-bats-to-find-fungi-on-flies/>
- Haelewaters D, Verhaeghen S. 2016. Expecting the unexpected: Looking for lady beetles and their parasites. *ReVista* 15(1): 30.
- Haelewaters D. 2013. De rol van tijdelijke soortvorming in evolutie [in Dutch]. *Scientias.nl*. Available from: <https://www.scientias.nl/de-rol-van-tijdelijke-soortvorming-evolutie/>
- Haelewaters D. 2013. *Hebeloma*, pioneer genus in forensic mycology. *FUNGI Magazine* 6(3): 47-48.

- Haelewaters. D. 2013. Gene Variants of a “stress” gene have profound impacts on health. Science in the News. Available from: <http://sitn.hms.harvard.edu/flash/2013/gene-variants-of-a-stress-gene-have-profound-impacts-on-health/>
- Meerburg F, Haelewaters D. 2013. Glasje rioolwater? [in Dutch] EOS Wetenschap 30(1): 84-88.
- Haelewaters D. 2013. Fatty acid-rich fish stocks: a sixth extinction crisis. Science in the News. Available from: <http://sitn.hms.harvard.edu/flash/2013/issue133b/>
- Haelewaters D. 2012. *Exserohilum rostratum*, the killing fungus. FUNGI Magazine 5(5): 12-14.
- Haelewaters D. 2012. Levend licht: nieuwe hypothese rond bioluminescentie [in Dutch]. EOS Wetenschap 29(10): 20-21.

XIII. TEACHING ACTIVITIES

Courses taught

- 2026-present Lecturer in life-long learning, Science Academy (*Communicating Effectively*), Ghent University. Taught with Robin Devroe.
- 2025-present Co-lecturer in Biology (C004580A: *Advanced Mycology*), Ghent University. Taught with Annemieke Verbeken.
- 2024-present Lecturer in life-long learning, Science Academy (*Writing Science*), Ghent University.
- 2022-present Lecturer in Biology (C003334: *Scientific Communication*), Ghent University.
- 2021-present Lecturer in Doctoral Schools Natural Sciences, (Bioscience) Engineering, and Life Sciences and Medicine (X000947: *Writing Academic Papers*), Ghent University.
- 2021-2025 Co-lecturer in Biology (C002777A: *Mycology: Basidiomycota*), Ghent University. Taught with Annemieke Verbeken.
- Fall 2016 Teaching Fellow in Organismic and Evolutionary Biology (OEB54: *Biology of the Fungi*), Harvard University. Taught with Donald H. Pfister. Recipient of Certificate of Distinction for Teaching Excellence.
- Spring 2016 Teaching Fellow in Organismic and Evolutionary Biology (OEB54: *Biology of the Fungi*), Harvard University. Taught with Donald H. Pfister.
- Fall 2015 Teaching Fellow in Organismic and Evolutionary Biology (OEB59: *Plants and Human Affairs*), Harvard University. Taught with Donald H. Pfister.
- Spring 2015 + Spring 2014 Teaching Fellow in Molecular and Cellular Biology (LS1b: *Genetics, Genomics, and Evolution*), Harvard University. Led three-hour laboratory sections with focus on in-class problem solving. Taught with Kevin Eggan, Hopi Hoekstra, Maryellen Ruvolo, Hopi Hoekstra, and Pardis Sabeti.

Workshops and short courses taught

- Fall 2025 Artsdatabanken-funded “*iNoLa*” *Workshop on Laboulbeniales Fungi*, 5-day workshop (lectures, fieldwork, and laboratory) at Biological Station Drøbak, University of Oslo, Drøbak, Norway, 6-10 October 2025. Instructor. Norwegian partner: Vladimir Gusarov.
- Fall 2025 4EU+ *Summer School “From Fungal Morphology to Genotype”*, field mycology course (with sampling, microscopy, DNA extraction, PCR, ONT sequencing, and preparation and upload of GBIF occurrence dataset) in

- Białowieża, Poland, 20-27 September 2025. Teacher, with colleagues from University of Warsaw.
- Spring 2025 *Workshop: Arthropod–Fungal Associations: from Parasites to Pathogens, 2nd Edition*, 3-day workshop (lectures, fieldwork, and laboratory) at Gembloux Agro-Bio Tech, University of Liège, 26-28 May 2025. Organizer, instructor.
- Summer 2024 *4EU+ Summer School “From Fungal Morphology to Genotype”*, field mycology course (with sampling, microscopy, DNA extraction, PCR, ONT sequencing, and preparation and upload of GBIF occurrence dataset) in Skryje, Czechia, 31 August-4 September 2025. Teacher, with colleagues from Charles University and University of Warsaw.
- Summer 2024 *Taller Teórico y Práctico de Hongos Tropicales*, 3-day workshop (lectures, fieldwork, and laboratory) at Universidad Nacional Autónoma de Honduras, Tegucigalpa, 3-5 June 2024. Co-organizer and instructor. Honduran partner: Bryan Ortiz.
- Spring 2024 *Workshop: Arthropod–Fungal Associations: from Parasites to Pathogens*, 3-day workshop (lectures, fieldwork, and laboratory) at Botanic Garden Meise & Ghent University, 13-15 May 2024. Organizer, instructor.
- Summer 2023 *Taller: Microhongos Ectoparásitos Asociados con Insectos* as part of the XI Congreso Latinoamericano de Micología, 2-day workshop at Smithsonian Tropical Research Institute School House, Gamboa, 5-6 August 2023. Organizer and instructor. Panamanian partner: Rosa V. Villarreal Saucedo.
- Summer 2022 NSF-funded *Taller Internacional: Introducción a los Hongos Tropicales*: virtual symposium, 16 July 2022; followed by 2-day workshop at Smithsonian Tropical Research Institute School House, Gamboa, 1-2 August 2022. Organizer and instructor. Panamanian partners: Tina A. Hofmann, Luis Mejía.
- Summer 2017 Universidad Autónoma de Chiriquí, Herbario UCH, Panama: *DNA extraction techniques for Laboulbeniales fungi*, 1-day workshop, 12 August 2017. Co-instructor. Hosted by Tina A. Hofmann.
- Summer 2016 Universidad Autónoma de Chiriquí, Panama: *Taller Internacional: Hongos asociados a insectos: Un aporte al conocimiento de la biodiversidad*, 5-day workshop (lectures, field trips, and laboratory), 25-29 July 2016. Lecturer, co-instructor. Hosted by Juan Bernal-Vega and Rosa V. Villarreal-Saucedo.

Mentees advised

Personnel

Warre Van Caenegem, Ghent University, 0.5 FTE Research Assistant, 2023-2025

Postdocs

Frederik C. De Wint, Biology Centre of the Czech Academy of Science, 2026-present

Danushka Tennakoon, Biology Centre of the Czech Academy of Science, 2026-present

Morgan Hughes, Biology Centre of the Czech Academy of Science, 2025

(Co-)supervisor for PhD students

Océane Fogliani, University of South Bohemia, 2026-present

Brianna Santamaria, University of South Bohemia, 2026-present

Aimée Blondelle, Ghent University, 2025-present

Libelje Mortier, University of South Bohemia, 2025-present

Warre Van Caenegem, University of South Bohemia, 2025-present

Aneira Williams, University of South Bohemia, 2025-present

Polina Mironova, Purdue University, 2024-present
Jie Xie, Ghent University, 2022-present, “MicroRNAs of *Thitarodes* larvae involved in blastospore–mycelium transition of *Ophiocordyceps sinensis*”
Helen Law, Purdue University, 2022-2023
Michiel D. de Groot, Ghent University, 2021-present, “Spotting and spreading of a fungal parasite on a globally invasive ladybird: explaining its worldwide distribution and biocontrol potential”
Frederik De Wint, Biology Centre of the Czech Academy of Sciences, 2021-2025, “Do entomopathogenic fungi drive arthropod diversity gradients via host negative density dependence?”
Jeffery K. Stallman, Purdue University, 2020-2024, “Leveraging tropical collections and molecular data to understand the biodiversity and evolutionary history of the Leotiomycetes (Ascomycota)”
Nathan Schoutteten, Ghent University, 2019-2023, “A hidden and sneaky strategy: mechanisms and importance of mycoparasitism in the evolution of Basidiomycota”

(Co-)supervisor for Master students
Kira Tolstych, Ghent University, 2025-2026, “A fungal monitoring project in Honduras: community ecology and taxonomy”
Ferre Vandenberg, Ghent University, 2025-2026, “Distribution and host range of zombie fungi along latitudinal gradients”
Renārs Gūts, Ghent University, 2025-2026, “Environmental preferences of Laboulbeniales microfungi obligately associated with insects”
Xena Rodriguez Leon, Ghent University, 2024-2025, “Assessment of the effectiveness of an educational kit on parasitic and pathogenic fungi for second grade students”
Cam Young, Ghent University, 2024-2025, “Screening insect collections for the presence of ectoparasitic microfungi”
Brecht Verleyen, Ghent University, 2024-2025, “Zombie fungi in the tropics: ecological insights into their impact on arthropod host communities”
Silas Art, Ghent University, 2024-2025, “New species of fungi resulting from a long-term monitoring project in Honduras”
Felix Heyman, Ghent University, 2023-2025, “Coevolutionary analysis of the Laboulbeniales”
Monae L. Taylor, Western Kentucky University, 2023-present, “The perfect pair: investigating the assumed mirroring of species richness in bats and bat flies across Western Hemispheric latitudinal gradients”
Ally M. Willis, Western Kentucky University, 2022-2024, “Analysis and tritrophic associations of bats, bat flies, and Laboulbeniales microfungi in Kenya”
Libelje Mortier, Ghent University, 2022-2024, “A fungal monitoring project in Honduras: community ecology and taxonomy”
Aimée Blondelle, Ghent University, 2022-2024, “Diversity and species delimitation in *Arthrorhynchus*”
Koen L. Martens, Katholieke Universiteit Leuven, 2022-2023, “A survey of ant nest-associated microorganisms in Belgium and The Netherlands”
Ruben Vanhoomissen, Ghent University, 2022-2023, “The Fungi from Honduras: compiling data from the literature, databases, and collections from a recent fungal inventory in Cusuco National Park”
Brianna M. Santamaria, Ghent University, Belgian American Education Foundation Fellow, 2021-2023, “Abiotic factors influencing the presence and prevalence of parasitic microfungi on an invasive ladybird”
Warre Van Caenegem, Ghent University, 2021-2023, “Disentangling species in the genus *Laboulbenia* (Fungi, Ascomycota) using molecular phylogenetic data”
Polina Mironova, Ghent University, 2021-2022, “Slime molds (Myxogastria) on agricultural crops”
Maartje Cathelyn, Ghent University, 2021-2022, “Exclusive for Africa: *Lactifluus* sect. *Pseudogymnocarpi*: creating order in the chaos”
Maarten Lubbers, Leiden University, 2021, “Peculiar parasites: on the ecology and genetics of Laboulbeniales”

Ganna Suvorova, Erasmus Mundus Masters Course in Tropical Biodiversity and Ecosystem, 2020-2022, “Effects of biotic and abiotic traits on a hyperparasite system of bats, bat flies and Laboulbeniales fungi in the tropics”

Michiel D. de Groot, Leiden University, 2020-2021, “Laboulbeniales hyperparasites of bat flies: distributions, host specificity, and abiotic traits”

Iris Dumolein, Ghent University, Department of Biology, 2020-2021, “The bat as a house for different residents: a tritrophic survey of bats, flies, and fungi in a Honduran cloud forest”

Shanice De Weggheleire, University of Antwerp, Department of Biology, 2018-2019, “Biodiversity of the genus *Laboulbenia*: are there cryptic species?”

Undergraduate students

Fatima El Madani, Ghent University, 2025-2026, bachelor thesis “Composition of bacterial biofilms on insect-associated microfungi”

Tim Ravijts, Ghent University, 2025, bachelor thesis “A fungal parasite on invasive ladybirds across space and time”

Tine Cornelis, Ghent University, 2025, bachelor thesis “Hidden fungi: exploring the diversity of Laboulbeniales in Panama”

Iebe Gigante, Ghent University, 2025, bachelor thesis “A geographical component as a foundation for cryptic diversity in the *Hesperomyces virescens* species complex”

Emile Vanderbeck, Ghent University, 2025, bachelor thesis “Diversity of Laboulbeniales (Ascomycota) on Staphylinidae in Norway”

Kira Tolstych, Ghent University, 2024, bachelor thesis “The genus *Chlorociboria* in Honduras”

Alyssa Bergeman, Ghent University, 2024, bachelor thesis “A fungal parasite on invasive ladybirds across space and time”

Pauline Vandemoortele, Ghent University, 2024, bachelor thesis “Unveiling the world of Laboulbeniomycetes in Brunei”

Renārs Gūts, Ghent University, 2024, bachelor thesis “Iceland Icebreakers: first records of Laboulbeniales from Iceland”

Lars Westerlinck, Ghent University, 2023, bachelor thesis “Variation of *Rickia wasmannii*. Infection degree, infection place and thalli length in an ant colony and on individual ants”

Jelter Bekaert, Ghent University, 2023, bachelor thesis “Unusual infections of *Rickia wasmannii*”

Carolijn Lauwers, Ghent University, 2023, bachelor thesis “New species of *Leotia* from Africa (Fungi, Ascomycota)”

Brecht Verleyen, Ghent University, 2023, bachelor thesis “*Hesperomyces harmoniae*, de parasitaire schimmel op het Aziatisch lieveheersbeestje”

Felix Heyman, Ghent University, 2022-2023, bachelor thesis “The diversity of Laboulbeniales on beetles in North Carolina”

Aimée Blondelle, Ghent University, 2022, bachelor thesis “Fungi on bat flies in Costa Rica”

Louise Boudolf, Ghent University, 2022, bachelor thesis “Distribution of the European Laboulbeniales (Fungi, Ascomycota). An annotated list of species, version 2.0”

Libelje Mortier, Ghent University, 2022, bachelor thesis “Describe a new species of *Simocybe*”

Arthur Vandeputte, Ghent University, 2022, bachelor thesis “Laboulbeniales fungi on pinned insects”

Simon Verdegem, Ghent University, 2021, bachelor thesis “DNA barcoding of Fungi collected at the Boston Harbor Islands, Massachusetts”

Warre Van Caenegem, Ghent University, 2021, bachelor thesis “Hyperparasitic interactions of Laboulbeniales on bat flies in Trinidad and Panama and the description of two new species of *Gloeandromyces*”

Polina Mironova, Ghent University, 2020, bachelor thesis “Een morfologische studie van *Arthrorhynchus nycteribiae* (Laboulbeniales)”

Alexis M. O'Brien, Purdue University College of Agriculture, 2020

Joseph R. Gerteisen, Purdue University College of Agriculture, 2019

Makenna L. Houston, Purdue University College of Agriculture, 2019

Joel Trejos, Universidad Autónoma de Chiriquí, 2017-2023

Kristel Cocherán, Universidad Autónoma de Chiriquí, 2017-2019

Kevin Bao, Harvard College, 2016-2017

Nadia L. Urrea, Harvard College, 2016-2017
Laura Gaitán, Universidad Autónoma de Chiriquí, 2016-2020
Katherin Gutierrez, Universidad Autónoma de Chiriquí, 2016-2020
Leila C. González Caballero, Universidad Autónoma de Chiriquí, 2016-2021
Christopher Chen, Harvard College, 2016
Julie Park, Harvard College, 2014-2015
Tristan W. Wang, Harvard College, 2014-2016, senior thesis “*Herpomyces*: phylogeny, taxonomy, and ecology of a fungal genus parasitic on cockroaches”
Rebecca E. Handlin, Harvard College, 2013

High school students

Bram Vandeplassche Decoene, Provinciaal Technisch Instituut, Kortrijk, 2023
Fred Y. Pan, Phillips Academy, Massachusetts, 2017-2018
Jeffrey Y. Pan, Reading Memorial High School, Massachusetts, 2017-2018
Isabel R. Royer, Lexington High School, Massachusetts, 2013-2014

Fellows, interns, field assistants

Axel Braem, intern from VIVES University of Applied Sciences, 2025
Hannes Ackaert, intern from University College Ghent (HOGENT), 2024
Benjamin D. Young, visiting postdoctoral researcher from University of Colorado Boulder, 2024
Maria Christou, short-term scientific mission fellow, Alien CSI COST Action programme CA15212, 2022
Jingyu Liu, research assistant, post-graduate from Purdue University College of Agriculture, 2019-2020
Annabel Dorrestein, field assistant, post-graduate from Utrecht University, 2017
Lauren A. Meckler, field assistant, University of Delaware, 2017
Kirk A. Silas, field assistant, Bat Conservation and Management, 2017
Melissa J. Walker, field assistant, La Trobe University, 2017
Alden C. Dirks, intern from Boston Harbor Now, Massachusetts, 2017
Michał Gorczak, intern from University of Warsaw, 2016
Rachel Moon, field assistant, post-graduate from Harvard College, Alex G. Booth Traveling Fellow, 2016
Lara A. Kappler, intern from University of Massachusetts Boston, 2015-2016
Edgar Franck, intern from University of Massachusetts Boston, 2014

XIV. FIELD EXPERIENCE

2026	Norway: Øvre Pasvik National Park
2024	Czech Republic
2023	Iceland
2023	Mozambique: Gorongosa National Park
2022	Brunei
2021	Croatia: Krka National Park
2019-2024	Honduras
2015-2023	Panama: Chiriquí (Boquete, David, Estero Rico, Parque Nacional Volcán Barú, Potrerillos Abajo, Reserva Forestal de Fortuna, Volcán), Colón (Gamboa, Parque Nacional Soberanía), Darién (Chucanti Nature Reserve), Ngöbe-Bugle (Cascada Kiki), Panamá Oeste (Barro Colorado Island)
2014	Peninsular Malaysia
2012-2018	Boston Harbor Islands National Recreation Area, Massachusetts, USA
2012	Costa Rica

XV. PROFESSIONAL SERVICE

Peer reviewer

Acta Mycologica, Agriculture, Agronomy, Annales Botanici Fennici, Applied Entomology and Zoology, Aquatic Insects, Asian Journal of Biology, Biharean Biologist, Biodiversity Data

Journal (4×), Biological Invasions (5×), Biological Journal of the Linnean Society (2×), Biotechnology Journal International, Botanica Serbica, Diversity, Ecological Entomology, Ecology and Evolution, Encyclopedia, Entomologische Berichten, Environmental Microbiology, European Journal of Entomology, Forests, Fungal Biology (4×), Fungal Diversity (2×), Fungal Biology, Fungal Ecology, Fungal Systematics and Evolution (2×), Genome Biology and Evolution, Heliyon, Horticulturae, Insects (6×), International Journal of Biological Macromolecules, Journal of Animal Diversity, Journal of Bat Research & Conservation, Journal of Fungi (4×), Journal of Hymenoptera Research (2×), Journal of Insect Science, Journal of Invertebrate Pathology, Microbial Ecology, Mycologia (4×), MycoKeys (4×), Mycological Progress (4×), Mycology, Mycotaxon (5×), NeoBiota, Northeastern Naturalist, Nova Hedwigia (2×), Parasite (2×), Pathogens, Phytopathology, Phytotaxa, Plants, PLoS One (3×), PLoS Pathogens (2×), Proceedings of the Royal Academy for Overseas Sciences, Redia, Scientific Reports, Sydowia (2×), Trends in Parasitology (2×), Water, Willdenowia

Editorial positions

2023-2024 Special Issue Editor, *Arthropod-Plant Interactions* 18(4) (Special Issue: Ladybirds and Their Biotic Interactions)

2020-present Associate Editor (up to 2024), Subject Editor (2025 onwards), *IMA Fungus*

2020-2024 Subject Editor, *Biodiversity Data Journal*

2020-2022 Topic Editor, *Frontiers in Conservation Science* and *Frontiers in Fungal Biology*

2020 Guest Editor, *Mycologia* 112(6) (Special Issue: Animal-Associated Fungi)

2019-present Subject Editor, *MycoKeys*

2019-present Editorial Board member, *Sydowia*

2018-2021 Special Issue Editor, *Northeastern Naturalist* 25(Special Issue 9) (Boston Harbor Islands National Recreation Area: Overview of Recent Research)

2018-2019 Editor, *IOBC-WPRS Bulletin* volumes 137, 145

Grant review panels

2025-present Grants Committee, International Association for Plant Taxonomy

2023-2024 Botany and Zoology panel (P506), Czech Science Foundation, Czech Republic

2023 Living Earth panel (CE02), French National Research Agency, France

2022 Ecology and evolution panel, National Research, Development and Innovation Office, Hungary

University service

2025 Voting member, Examination Board for the PhD of Luca Borgato, Faculty of Sciences, Ghent University

2024-2025 Evaluator for Master thesis students Zena De Schryver, Lennert Gees, Willem Van Doninck, Department of Biology, Ghent University

2024 Voting member, Examination Board for the PhD of Ruben De Lange, Faculty of Sciences, Ghent University

2023-2024 Evaluator for Master thesis students Ada Coudenys, Mattie De Jonghe, Aurélie Van Engeland, Klaas Van Gansbeke, Department of Biology, Ghent University

2023 Reviewer for PhD dissertation of František Sklenář, Faculty of Science, Charles University, Czech Republic

2023 Voting member, Examination Board for the PhD of Hua Wu, Faculty of Bioscience Engineering, Ghent University

2022 Accessioning of permanent slide collection of microfungi at Herbarium Universitatis Gandavensis, Department of Biology, Ghent University

2022 Panelist, session “Boosting research activities through global funding for international collaboration”, Ghent University Event: External funding for research and education – maximizing untapped international potential

2022-present Member, Working Group Ethnic-Cultural Diversity and Inclusion in Flemish Universities, Flemish Interuniversity Council–Young Academy

2021-present Member, Diversity Team, Faculty of Sciences, Ghent University

2021-2022	Member, Study Program Committee, Department of Biology, Ghent University
2021	Member, Search Committee for PhD/teaching assistant position, Department of Biology, Ghent University
2016-2017	Member, Admissions Committee, <i>Programa de Maestría en Biología con Especialización en Biología Vegetal</i> , Herbario UCH, Universidad Autónoma de Chiriquí, Panama

Elected offices in professional societies

2022-2027	Member, Young Academy of Belgium
2014-2018	Councilor, New England Botanical Club
2012-2016	Communication Chair/Vice Chair/Chair/Past-Chair, Mycological Society of America Student Section

Other services to professional societies and organizations

2022-present	Co-convenor, Working Group “Typification of older names”, International Commission on the Taxonomy of Fungi
2022	Panelist, webinar “Careers in Conservation”, Operation Wallacea
2019-present	Member and Chair (2021-2023), Electronic Communication & Web Page Management Committee, Mycological Society of America
2018-present	Member, Ladybird Specialist Group, International Union for Conservation of Nature (IUCN) Species Survival Commission
2018-2019	Member, Conservation Committee, Mycological Society of America
2016-2018	Member and Chair (2017-2018), Diversity and Inclusion Committee, Mycological Society of America
2015-2017	Student Representative, Conservation Committee, Mycological Society of America
2015-2016	Founding member, <i>ad-hoc</i> Diversity Committee, Mycological Society of America
2014-2018	Secretary, First Dutch School in Boston, Jamaica Plain, Massachusetts
2014-2018	Chair, Website & Social Media Committee, New England Botanical Club
2014-2017	Student Representative, Electronic Communication & Web Page Management Committee, Mycological Society of America
2014-2015	Student Representative, Program Committee, Mycological Society of America

XVI. ADDITIONAL COURSEWORK/CERTIFICATES

2018	IUCN Red List Training Workshop, University of the Azores, Ponta Delgada, Azores, Portugal
2018	Certificate in Latin American Studies, David Rockefeller Center for Latin American Studies, Cambridge, Massachusetts
2018	Teaching Certificate, Harvard University Derek Bok Center for Teaching and Learning, Cambridge, Massachusetts
2018	Undergraduate Mentoring Workshop Series, Harvard University, Science Education Office, Cambridge, Massachusetts
2015	Introduction to R Programming, Microsoft & edX
2014	Wilderness First Aid workshop, Stonehearth Open Learning Opportunities
2013	Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole, Massachusetts
2010	Degree in Journalism, Centrum voor Afstandsonderwijs, Antwerp, Belgium

XVII. TAXONOMIC NOVELTIES

Proposed 3 orders, 2 families, 5 genera, and 70 species (including 4 fossil ones) new to science.

Orders	Aoteoroamycetales C.A. Quandt & Haelew., IMA Fungus (in preparation) Collophorinales C.A. Quandt & Haelew., IMA Fungus (in preparation) Herpomycetales Haelew. & Pfister, Index Fungorum 382: 1 (2018)
Families	Chrysodiscaceae Baral & Haelew., Mycol Monten 20: 81 (2019)

	Pseudomitrulaceae A. Grupe, M.E. Sm., Haelew. & C.A. Quandt, <i>Mycologia</i> (in preparation)
Genera	<i>Annabella</i> Fryar, Haelew. & D.E.A. Catches, <i>Mycol Prog</i> 18: 975 (2019) <i>Gloeandromyces</i> Thaxt. ex Haelew., <i>Sydowia</i> 72: 328 (2020) <i>Inopinatum</i> Haelew. & Aime, <i>Int J Syst Evol Microbiol</i> 71(article no. 4862): 5 (2021) <i>Rommelaarsia</i> Baral & Haelew., <i>Ascomycete.org</i> 7: 323 (2015) <i>Pseudozeugandromyces</i> De Kesel & Haelew., <i>Sydowia</i> 72: 291 (2020)
Species	<i>Amanita mansehraensis</i> M. Saba, Haelew. & Khalid, <i>Phytotaxa</i> 409: 196 (2019) <i>Annabella australiensis</i> Fryar, Haelew., & D.E.A. Catches, <i>Mycol Prog</i> 18: 975 (2019) <i>Bordea denotata</i> Haelew. & De Kesel, <i>Nova Hedwig</i> 98: 114 (2014) <i>Cantharomyces elongatus</i> Haelew. & De Kesel, <i>Mycotaxon</i> 123: 468 (2013) <i>Chlorosplenium cusucoense</i> Stallman & Haelew., <i>Mycologia</i> 116: 1006 (2024) † <i>Columnomyces electri</i> Haelew. & Perreau, <i>Sci Reports</i> 11(article no. 2672): 6 (2021) <i>Columnomyces hispaniolensis</i> Haelew. & Perreau, <i>Sci Reports</i> 11(article no. 2672): 7 (2021) <i>Columnomyces pecki</i> Haelew. & Perreau, <i>Sci Reports</i> 11(article no. 2672): 9 (2021) <i>Corethromyces bernardii</i> Haelew. & W. Rossi, <i>Mycologia</i> 109: 657 (2017) <i>Corethromyces constrictus</i> J. Trejos & Haelew. (in preparation) <i>Diphymyces anthracinus</i> Haelew. & W. Rossi, <i>Mycologia</i> 109: 657 (2017) <i>Diphymyces blackwelliae</i> Haelew. & W. Rossi, <i>Mycologia</i> 109: 658 (2017) <i>Diphymyces costaricensis</i> Haelew. & W. Rossi, <i>Mycologia</i> 109: 658 (2017) <i>Diphymyces dichromus</i> Haelew. & W. Rossi, <i>Mycologia</i> 109: 660 (2017) <i>Diphymyces kaaistoepi</i> Haelew. & De Kesel, <i>Sterbeeckia</i> 35: 63 (2019) <i>Diphymyces newtonii</i> Haelew. & W. Rossi, <i>Mycologia</i> 109: 660 (2017) <i>Diphymyces obesus</i> Haelew. & W. Rossi, <i>Mycologia</i> 109: 662 (2017) <i>Diphymyces perreaui</i> Haelew. & W. Rossi, <i>Mycologia</i> 109: 662 (2017) <i>Diphymyces polycarpus</i> Haelew. & W. Rossi, <i>Mycologia</i> 109: 663 (2017) <i>Diphymyces sabahensis</i> Haelew. & Pfister, <i>Plant Ecol Evol</i> 147: 94 (2014) <i>Diutina bernali</i> Haelew., Pfliegler, Horváth & Imre, <i>Fungal Divers</i> 100: 239 (2020) <i>Diutina sipiczki</i> Pfliegler, Haelew., Horváth & Imre, <i>Fungal Divers</i> 100: 239 (2020) <i>Gloeandromyces cusucoensis</i> B. Santam., Dumolein & Haelew., <i>Mycologia</i> 115 (2023) <i>Gloeandromyces dickii</i> Haelew., <i>Fungal Syst Evol</i> 3: 22 (2019) <i>Gloeandromyces diversiformis</i> Blondelle, B. Santam. & Haelew., <i>Mycologia</i> 115 (2023) <i>Gloeandromyces hilleri</i> Haelew. & Pfliegler, <i>Mycologia</i> 112: 1196 (2020) <i>Gloeandromyces pageanus</i> Haelew., <i>Nova Hedwigia</i> 105: 272 (2017) <i>Gloeandromyces plesiosaurus</i> Van Caenegem & Haelew., <i>Mycologia</i> 115 (2023) <i>Gloeandromyces pseudodickii</i> Blondelle & Haelew., <i>Mycologia</i> 115 (2023) <i>Gloeandromyces verbekeniae</i> Van Caenegem & Haelew., <i>Mycologia</i> 115 (2023) <i>Herpomyces paracoblattae</i> Mironova, H. Sundb. & Haelew. (in preparation) <i>Herpomyces shelfordellae</i> Pfliegler & Haelew., <i>Mol Phylogenet Evol</i> 133: 291 (2019) <i>Herpomyces spegazzinii</i> A.C. Gut. & D. Haelew., <i>Mycologia</i> 112: 1186 (2020) <i>Hesperomyces adaliae</i> Haelew. & De Kesel (in preparation) <i>Hesperomyces chilocori-bipustulati</i> Van Caenegem & Haelew., <i>Mycol Prog</i> 24 (article no. 2): 5 (2025) <i>Hesperomyces coccinellae-transversalis</i> Van Caenegem & Haelew., <i>Mycol Prog</i> 24 (article no. 2): 8 (2025) <i>Hesperomyces halyziae</i> Haelew. & De Kesel, <i>MycKeys</i> 71: 31 (2020) <i>Hesperomyces harmoniae</i> Haelew. & De Kesel, <i>Sydowia</i> 75: 60 (2022) <i>Hesperomyces parexochomi</i> Mironova & Haelew., <i>Persoonia</i> 47: 319 (2021) <i>Inocybe brijunica</i> Mešić, Tkalčec & Haelew., <i>J Fungi</i> 7(article no. 199): 6 (2021) <i>Laboulbenia bernaliana</i> Haelew. & Santam., <i>Sydowia</i> 71: 176 (2019) <i>Laboulbenia bilobata</i> Haelew. & W. Rossi, <i>Mycologia</i> 107: 143 (2015) <i>Laboulbenia insigninoda</i> F. Heyman & Haelew. (in preparation) <i>Laboulbenia camerunensis</i> T.W. Wang & Haelew., <i>Mycotaxon</i> 131: 615 (2016) <i>Laboulbenia coccinellidicola</i> Haelew., <i>Nova Hedwig</i> 105: 279 (2017) <i>Laboulbenia ephemerolacuna</i> Kaishian & Haelew., <i>J Mesoam Biol</i> 1(2): 4 (2021) <i>Laboulbenia erotylidarum</i> Haelew., <i>Mycotaxon</i> 129: 444 (2014) <i>Laboulbenia expectata</i> Van Caenegem & Haelew., <i>Nova Hedwig</i> (2024) (in press) <i>Laboulbenia littoralis</i> De Kesel & Haelew., <i>Mycologia</i> 106: 408 (2014) <i>Laboulbenia longipilis</i> Haelew. & W. Rossi, <i>Mycologia</i> 107: 143 (2015) <i>Laboulbenia mairei</i> Van Caenegem & Haelew., <i>Mycol Prog</i> 22 (article no. 81): 5 (2023)

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- Combinations**
- Appendiculina gregaria* (W. Rossi) Haelew. & Aime, *Sydowia* 72: 325 (2020)
Appendiculina scaptomyzae (Thaxt.) Haelew. & Aime, *Sydowia* 72: 325 (2020)
Aureobasidium bupleuri (Bills) Haelew. & Aime, *J Fungi* 7(article no. 277): 7 (2021)
Collybiopsis boreoorientalis (Kiyashko) Bartrop & Haelew., *Index Fungorum* 515: 1 (2022)
Collybiopsis longistipes (Muh. Ali, Niazi & Khalid) Bartrop & Haelew., *Index Fungorum* 515:1 (2022)
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Curvibasidium nothofagi (C. Ramírez & A.E. González) Haelew. & Aime, *J Fungi* 7(article no. 277): 8 (2021)
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Sclerococcum chiangraiense (A.H. Ekanayaka, E.B.G. Jones, Q. Zhao & K.D. Hyde) Haelew., Stallman & Aime, *Mycologia* 114: 636
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