

# Danny Haelewaters

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## I. EDUCATION

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- 2012-2018 PhD in Organismic and Evolutionary Biology, Harvard University, Faculty of Arts and Sciences, Cambridge MA  
Research advisor – Donald H. Pfister
- 2007-Feb 2011 Master of Science in biology, Ghent University, Faculty of Sciences, Ghent, Belgium  
Research advisors – Annemieke Verbeken, André De Kesel
- 2006-2009 Bachelor in Biology, Ghent University, Faculty of Sciences, Ghent, Belgium  
Research advisor – Annemieke Verbeken
- 2001-2004 Bachelor in Veterinary Sciences, University of Antwerp, Antwerp, Belgium

## II. PROFESSIONAL EXPERIENCE

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- Nov 2020-present Research Foundation–Flanders Junior Postdoctoral Fellow, Ghent University, Department of Biology, Research Group Mycology, Ghent, Belgium  
Research advisor – Annemieke Verbeken
- Summer 2019 Chiropterologist, Operation Wallacea, Cusuco National Park, Honduras
- Apr 2019-present Researcher, University of South Bohemia, Faculty of Science, Department of Zoology, Ceske Budejovice, Czech Republic
- Nov 2018-Nov 2020 Postdoctoral Research Assistant, Purdue University, College of Agriculture, Department of Botany and Plant Pathology, West Lafayette, Indiana  
Research advisor – M. Catherine Aime
- Aug 2018-Mar 2019 Postdoctoral Researcher, University of South Bohemia, Faculty of Science, Department of Zoology, Ceske Budejovice, Czech Republic  
Research advisor – Oldřich Nedvěd
- 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  
Research advisor – Rachel A. Page
- Dec 2016-present Associate Researcher, Universidad Autónoma de Chiriquí, Herbario UCH, David, Panama
- Feb-May 2009 Intern, project “Identification of fungal traces using DNA for forensic purposes”, Netherlands Forensic Institute, Den Haag, The Netherlands  
Research advisors – Irene Kuiper, Annemieke Verbeken

### III. EXTERNAL FUNDING

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Agency	Czech Science Foundation ( <b>pending</b> )
Title	Fungal parasites on invasive insects: understanding current distributions and the effects of abiotic traits
Duration	Three years (2022–2024)
Amount	€381,120
Role	PI
Agency	US National Science Foundation—Poorly Sampled and Unknown Taxa (PurSUiT)
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, Purdue University)
Agency	Czech Science Foundation
Title	Do entomopathogenic fungi drive arthropod diversity gradients via host negative density dependence?
Duration	Three years (2021–2024)
Amount	€376,814 (share to Haelewaters: €11,864)
Role	20% researcher (PI Tom Fayle, Biology Centre, Czech Academy of Sciences)
Agency	US National Science Foundation—Poorly Sampled and Unknown Taxa (PurSUiT)
Title	Collaborative Research: In PurSUiT of a phylogenetic, genomic, and functional framework for the environmentally diverse and poorly characterized fungal class, Leotiomycetes
Duration	Three years (2020–2023)
Amount	\$911,994 (share to Haelewaters: \$180,208)
Role	Co-PI (PI C. Alisha Quandt, Colorado State University)
Agency	European Union—INTERACT Transnational Access
Title	New Leotiomycetes phylogeny with missing taxa from Siberian peatlands
Duration	One year (2020–2021)
Amount	€8,185
Role	PI
Agency	Indiana Academy of Science—Senior Research Grant Program
Title	A survey of crust fungi in Indiana (Fungi, Agaricomycetes), inspired by the recent discovery of undescribed species from midwestern United States
Duration	One year (2019–2020)
Amount	\$3,000
Role	PI
Agency	Indiana Academy of Science—Winona Welch Award for Botanical Biodiversity Research
Title	Molecular phylogenetic circumscription of an order of crusts (Fungi, Agaricomycetes, Atheliales), inspired by the discovery of undescribed species from Indiana and Massachusetts
Duration	One year (2019–2020)
Amount	\$2,461
Role	PI

#### IV. FELLOWSHIPS, AWARDS, and GRANTS

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2021	SYNTHESYS+ award no. CZ-TAF-xyz, European Union (€ TBA)
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	Leopold III Fund grant no. LF/JVG/vm/20.15 (€1,250)
2020-2022	Junior Postdoctoral Fellowship, Research Foundation – Flanders (Fonds Wetenschappelijk Onderzoek – Vlaanderen, FWO)
2019	Purdue University Postdoc Travel Grant (\$500)
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]

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- 88 Cao B, **Haelewaters D**, \*Schoutteten N, Begerow D, Boekhout T, Giachini AJ, Gorjón SP, Gunde-Cimerman N, Hyde KD, Kemler M, Li GJ, Liu DM, Liu XZ, Nuytinck J, Papp V, Savchenko A, Savchenko K, Tedersoo L, Theelen B, Thines M, Tomšovský M, Toome-Heller M, Urón JP, Verbeken A, Vizzini A, Yurkov AM, Zamora JC, Zhao RL. 2021. Delimiting species in Basidiomycota: a review. *Fungal Diversity* (in press).

- 87 **Haelewaters D**, Park D, Johnston PR. 2021. Multilocus phylogenetic analysis reveals that Cyttriales is a synonym of Helotiales. *Mycological Progress* (*in press*).
- 86 Maharachchikumbura SSN, Chen Y, Ariyawansa HA, Hyde KD, **Haelewaters D**, Perera RH, Samarakoon MC, Wanasinghe DN, Bustamante DE, Liu J-K, Lawrence DP, Cheewangkoon R, Stadler M. 2021. Integrative approaches for species delimitation in Ascomycota. *Fungal Diversity* (*in press*).
- 85 Nokes LF, **Haelewaters D**, Pfister DH. 2021. Exploration of marine lichenized fungi as bioindicators of coastal ocean pollution in the Boston Harbor Islands National Recreation Area. *Rhodora* 122(992) (*in press*).
- 84 **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.
- 83 Crous PW, Lombard L, Sandoval-Denis M, Seifert KA, Schroers HJ, Chaverri P, Gené J, Guarro J, Hirooka Y, Bensch K, Kema GHJ, Lamprecht SC, Cai L, Rossman AY, Stadler M, Summerbell RC, Taylor JW, Ploch S, Visagie CM, Yilmaz N, Frisvad JC, Abdel-Azeem AM, Abdollahzadeh J, Abdolrasouli A, Akulov A, Alberts JF, Araújo JPM, Ariyawansa HA, Bakhshi M, Bendiksby M, Ben Hadj Amor A, Bezerra JDP, Boekhout T, Câmara MPS, Carbia M, Cardinali G, Castañeda-Ruiz RF, Celis A, Chaturvedi V, Collemare J, Croll D, Damm U, Decock CA, de Vries RP, Ezekiel CN, Fan XL, Fernández NB, Gaya E, González CD, Gramaje D, Groenewald JZ, Grube M, Guevara-Suarez M, Gupta VK, Guarnaccia V, Haddaji A, Hagen F, **Haelewaters D**, Hansen K, Hashimoto A, Hernández-Restrepo M, Houbraken J, Hubka V, Hyde KD, Iturriaga T, Jeewon R, Johnston PR, Jurjević Ž, Karalti Ī, Korsten L, Kuramae EE, Kušan I, Labuda R, Lawrence DP, Lee HB, Lechat CLL, Li HY, Litovka YA, Maharachchikumbura SSN, Marin-Felix Y, Kemkuignou BM, Matočec N, McTaggart AR, Mlčoch P, Mugnai L, Nakashima C, Nilsson RH, Noumeur SR, Pavlov IN, Peralta MP, Phillips AJL, Pitt JI, Polizzi G, Quaedvlieg W, Rajeshkumar KC, Restrepo S, Rhaïem A, Robert J, Robert V, Rodrigues AM, Salgado-Salazar C, Samson RA, Santos ACS, Shivas RG, Souza-Motta CM, Sun GY, Swart WJ, Szoke S, Tan YP, Taylor JE, Taylor PWJ, Tiago PV, Váczy KZ, van de Wiele N, van der Merwe NA, Verkley GJM, Vieira WAS, Vizzini A, Weir BS, Wijayawardene NN, Xia JW, Yañez-Morales MJ, Yurkov A, Zamora JC, Zare R, Zhang CL, Thines M. 2021. *Fusarium*: more than a node or a foot-shaped basal cell. *Studies in Mycology* 98: 100116.
- 82 Martin TE, Jones SEI, Creedy TJ, Hoskins HMJ, McCann NP, Batke SP, Kelly DL, Kolby JE, Downing R, Zelaya SMS, Green SEW, Lonsdale G, Brown T, Waters S, Rodríguez-Vásquez F, McCravy KW, D'Souza ML, Crace D, Nuñez-Mino JM, **Haelewaters D**, Medina-van Berkum P, Phipps CD, Barker RJ, Castañeda F, Reid N, Jocqué M. 2021. A review of the ecological value of Cusuco National Park: an urgent call for conservation action in a highly threatened Mesoamerican cloud forest. *Journal of Mesoamerican Biology* 1(1): 6-50.
- 81 Medina-van Berkum P, **Haelewaters D**, Thompson JRE, Uribe E, Vulinec K, Martin TE. 2021. Bat assemblages and their ectoparasites in a Honduran cloud forest: Effects of disturbance and altitude. *Journal of Mesoamerican Biology* 1(1): 51-69.
- 80 **Haelewaters D**, \*Schouttetten N, Medina-van Berkum P, Martin TE, Verbeken A, Aime MC. 2021. Pioneering a fungal inventory at Cusuco National Park, Honduras. *Journal of Mesoamerican Biology* 1(1): 111-131.
- 79 **Haelewaters D**, Peterson RA, Nevalainen H, Aime MC. 2021. *Inopinatum lactosum* gen. & comb. nov., the first yeast-like fungus in Leotiomycetes. *International Journal of Systematic and Evolutionary Microbiology* 71(7): 4862.
- 78 Dima B, Brandrud TE, Corriol G, Jansen GM, Jordal JB, Khalid AN, Larsson E, Lorås J, Morozova OV, Naseer A, Noordeloos ME, Rossi W, Santamaria S, Sarwar S, Sesli E, Usman M, Afshan NS, Ahmad I, Banerjee A, Banerjee K, Bendiksen E, Colombo DRS, De Kesel A, Dovana F, Ferisin G, Hussain S, Islam S, Jesus AL, Kaygusuz O, Krisai-Greilhuber I, Mahammad S, Mishra DK, Nath PS, da Paixão SCO, Panja B, Papp V, Pires-

- Zottarelli CLA, Radnóti Á, Rana D, Saha R, Türkecul İ, **Haelewaters D**. 2021. Fungal Systematics and Evolution: FUSE 7. *Sydowia* 73: 271-340.
- 77 Biranvand A, Nedvěd O, Nattier R, Nepaeva E, **Haelewaters D**. 2021. Review of the genus *Hippodamia* (Coleoptera: Coccinellidae) in the Palearctic region. *Oriental Insects* 55(2): 293-304.
- 76 **Haelewaters D**, Urbina H, Brown S, Newerth-Henson S, Aime MC. 2021. Isolation and molecular characterization of the romaine lettuce phylloplane mycobiome. *Journal of Fungi* 7(4): 277.
- 75 Mešić A, **Haelewaters D**, Tkalčec Z, \*Liu J, Kušan I, Aime MC, Pošta A. 2021. *Inocybe brijunica* sp. nov., a new ectomycorrhizal fungus from Mediterranean Croatia revealed by morphology and multilocus phylogenetic analysis. *Journal of Fungi* 7(3): 199.
- 74 Sulistyo BP, Ryberg M, **Haelewaters D**, Larsson KH. 2021. Multigene phylogeny and taxonomic revision of Atheliales s.l.: reinstatement of three families and one new family, Lobuliciaceae fam. nov. *Fungal Biology* 125(3): 239-255.
- 73 Gómez-Zapata PA, **Haelewaters D**, Quijada L, Pfister DH, Aime MC. 2021. Notes on *Trochila* (Ascomycota, Leotiomycetes), with new species and combinations. *MycKeys* 78: 21-47.
- 72 Perreau M, **Haelewaters D**, Tafforeau P. 2021. A parasitic coevolution since the Miocene revealed by propagation phase-contrast synchrotron X-ray microtomography and the study of natural history collections. *Scientific Reports* 11(1): 2672.
- 71 **Haelewaters D**, Blackwell M, Pfister DH. 2021. Laboulbeniomyces: Intimate fungal associates of arthropods. *Annual Review of Entomology* 66: 257-276.

## 2020

- 70 \*de Groot MD, \*Dumolein I, Hiller T, Sándor AD, Szentiványi T, Schilthuizen M, Aime MC, Verbeken A, **Haelewaters D**. 2020. On the fly: tritrophic associations of bats, bat flies, and fungi. *Journal of Fungi* 6(4): 361.
- 69 \*Liu J, **Haelewaters D**, Pfliegler WP, Page RA, Dick CW, Aime MC. 2020. A new species of *Gloeandromyces* from Ecuador and Panama revealed by morphology and phylogenetic reconstruction, with a discussion of secondary barcodes in Laboulbeniomyces taxonomy. *Mycologia* 112(6): 1192-1202.
- 68 Blackwell M, **Haelewaters D**, Pfister DH. 2020. Laboulbeniomyces: Evolution, natural history, and Thaxter's final word. *Mycologia* 112(6): 1048-1059.
- 67 **Haelewaters D**, Kasson MT. 2020. Animal-Associated Fungi: Editorial. *Mycologia* 112(6): 1045-1047.
- 66 **Haelewaters D**, Hiller T, Kemp EA, van Wielink PS, Shapiro-Ilan DI, Aime MC, Nedvěd O, Pfister DH, Cottrell TE. 2020. Mortality of native and invasive ladybirds co-infected by ectoparasitic and entomopathogenic fungi. *PeerJ* 8: e10110.
- 65 **Haelewaters D**, Dima B, Abdel-Hafiz BII, Abdel-Wahab MA, Abul-Ezz SR, Acar I, Aguirre-Acosta E, Aime MC, Aldemir S, Ali M, Ayala-Vásquez O, Bakhit MS, Bashir H, Battistin E, Bendiksen E, Castro-Rivera R, Çolak ÖF, De Kesel A, de la Fuente JI, Dizkırıci A, Hussain S, Jansen GM, Kaygusuz O, Khalid AN, Khan J, Kiyashko AA, Larsson E, Martínez-González CR, Morozova OV, Niazi AR, Noordeloos ME, Pham THG, Popov ES, Psurtseva NV, \*Schoutteten N, Sher H, Türkecul İ, Verbeken A, Ahmad H, Afshan NS, Christe P, Fiaz M, Glazot O, \*Liu J, Majeed J, Markotter W, Nagy A, Nawaz H, Papp V, Péter Á, Pfliegler WP, Qasim T, Riaz M, Sándor AD, Szentiványi T, Voglmayr H, Yousaf N, Krisai-Greilhuber I. 2020. *Fungal Systematics and Evolution: FUSE* 6. *Sydowia* 72: 231-356.
- 64 Cheek M, Nic Lughadha E, Kirk P, Lindon H, Carretero J, Looney B, Douglas B, **Haelewaters D**, Gaya E, Llewellyn T, Ainsworth M, Gafforov Y, Hyde K, Crous P, Hughes M, Walker BE, Forzza RC, Meng WK, Tuula Niskanen T. 2020. New discoveries: plants and fungi described in 2019. *Plants, People, Planet* 2(5): 371-388.
- 63 Wijayawardene NN, Hyde KD, Dai DQ, Tang LZ, Aptroot A, Castañeda-Ruiz RF, Druzhinina IS, Cai F, Ekanayaka AH, Erdoğan M, Fiuza PO, Gentekaki E, Goto BT,

- Haelewaters D**, Hongsanan S, Jeewon R, Kirk PM, Jayalal RGU, Karunarathna SC, Wanasinghe DN, Lumbsch HT, Madrid H, Maharachchikumbura SSN, Monteiro JS, Shivaprakash N, Pfliegler WP, Phillips AJL, Saxena RK, Stadler M, Tian Q, Tokarev YS, Tsurukau A, Ertz D, Lee HB, Etayo J, Vizzini A, Jones EBG, Lin CG, Li WJ, Dai YC, Fan XL, McKenzie EHC, Shivas RG, Hustad V, Leontyev DV, de Hoog GS, Niskanen T, Boekhout T, Gaya E, Thines M. 2020. A dynamic portal for a community-driven, continuously updated classification of Fungi and fungus-like organisms: [outlineoffungi.org](http://outlineoffungi.org). *Mycosphere* 11(1): 1514-1526.
- 62 **Haelewaters D**, De Kesel A. 2020. Checklist of thallus-forming Laboulbeniomycetes from Belgium and the Netherlands, including *Hesperomyces halyziae* and *Laboulbenia quarantanae* spp. nov. *MycKeys* 71: 23-86.
- 61 Saba M, **Haelewaters D**, Pfister DH, Khalid AN. 2020. New species of *Pseudosperma* (Agaricales, Inocybaceae) from pine-dominated forests of western Himalayas. *Myckeys* 69: 1-31.
- 60 Wijayawardene NN, Hyde KD, Al-Ani LKT, Tedersoo L, **Haelewaters D**, Rajeshkumar KC, Zhao RL, Aptroot A, Leontyev DV, Saxena RK, Tokarev YS, Dai DQ, Letcher PM, Stephenson SL, Ertz D, Lumbsch HT, Kukwa M, Issi IV, Madrid H, Phillips AJL, Selbmann L, Pfliegler WP, Horváth E, Bensch K, Kirk PM, Kolaříková K, Raja HA, Radek R, Papp V, Dima B, Ma J, Malosso E, Takamatsu S, Rambold G, Gannibal PB, Triebel D, Gautam AK, Avasthi S, Suetrong S, Timdal E, Fryar SC, Delgado G, Réblová M, Doilom M, Dolatabadi S, Pawłowska J, Humber RA, Kodsueb R, Sánchez-Castro I, Goto BT, Silva DKA, de Souza FA, Oehl F, da Silva GA, Silva IR, Błaszczowski J, Jobim K, Maia LC, Barbosa FR, Fiuza PO, Divakar PK, Shenoy BD, Castañeda-Ruiz RF, Somrithipol S, Lateef AA, Karunarathna SC, Tibpromma S, Mortimer PE, Wanasinghe DN, Phookamsak R, Xu J, Wang Y, Tian F, Alvarado P, Li DW, Kušan I, Matočec N, Maharachchikumbura SSN, Papizadeh M, Heredia G, Wartchow F, Bakhshi M, Boehm E, Youssef N, Hustad VP, Lawrey JD, Santiago ALCMA, Bezerra JDP, Souza-Motta CM, Firmino AL, Tian Q, Houbraken J, Hongsanan S, Tanaka K, Dissanayake AJ, Monteiro JS, Grossart HP, Suija A, Weerakoon G, Etayo J, Tsurukau A, Vázquez V, Mungai P, Damm U, Li QR, Zhang H, Boonmee S, Lu YZ, Becerra AG, Kendrick B, Brearley FQ, Motiejūnaitė J, Sharma B, Khare R, Gaikwad S, Wijesundara DSA, Tang LZ, He MQ, Flakus A, Rodriguez-Flakus P, Zhurbenko MP, McKenzie EHC, Stadler M, Bhat DJ, Liu JK, Raza M, Jeewon R, Nassonova ES, Prieto M, Jayalal RGU, Erdoğdu M, Yurkov A, Schnittler M, Shchepin ON, Novozhilov YK, Silva-Filho AGS, Liu P, Cavender JC, Kang Y, Mohammad S, Zhang LF, Xu RF, Li YM, Dayarathne MC, Ekanayaka AH, Wen TC, Deng CY, Pereira OL, Navathe S, Hawksworth DL, Fan XL, Dissanayake LS, Kuhnert E, Grossart HP, Thines M. 2020. Outline of Fungi and fungus-like taxa. *Mycosphere* 11(1): 1060-1456.
- 59 Kiran M, Sattar A, Zamir K, **Haelewaters D**, Khalid AN. 2020. Additions to the genus *Chroogomphus* (Boletales, Gomphidiaceae) from Pakistan. *MycKeys* 66: 23-38.
- 58 Hyde KD, Dong Y, Phookamsak R, Jeewon R, Bhat DJ, Jones EBG, Liu N, Abeywickrama PD, Mapook A, Wei D, Perera RH, Manawasinghe IS, Pem D, Bundhun D, Karunarathna A, Ekanayaka AH, Bao DF, Li J, Samarakoon MC, Chaiwan N, Lin CG, Phutthacharoen K, Zhang SN, Senanayake IC, Goonasekara ID, Thambugala KM, Phukhamsakda C, Tennakoon DS, Jiang HB, Yang J, Zeng M, Huanraluek N, Wijesinghe SN, Tian Q, Tibpromma S, Brahmanage RS, Boonmee S, Huang SK, Thiyagaraja V, Lu YZ, Jayawardena RS, Dong W, Yang EF, Singh SK, Singh SM, Rana S, Lad SS, Anand G, Devadatha B, Niranjana M, Sarma VV, Liimatainen K, Niskanen T, Overall A, Alvarenga RLM, Gibertoni TB, Pfliegler WP, Horváth E, Imre A, Alves AL, da Silva Santos AC, Tiago PV, Bulgakov TS, Wanasinghe DN, Liu JK, Doilom M, Maharachchikumbura SSN, Rajeshkumar KC, **Haelewaters D**, Mortimer PE, Zhao Q, Lumyong S, Xu J, Sheng J. 2020. Fungal diversity notes 1151–1275: taxonomic and phylogenetic contributions on genera and species of fungal taxa. *Fungal Diversity* 100(1): 5-277.

- 57 **Haelewaters D**, Toome M, Albu S, Aime MC. 2020. Red yeasts from leaf surfaces and other habitats: three new species and a new combination of *Symmetrospora* (Pucciniomycotina, Cystobasidiomycetes). *Fungal Systematics and Evolution* 5: 187-196.
- 56 **Haelewaters D**, Okrašińska A, \*Gorczak M, Pfister DH. 2020. Draft genome sequence of the globally distributed cockroach-infesting fungus *Herpomyces periplanetae* strain D. Haelew. 1187d. *Microbiology Resource Announcements* 9(6): e01458-19.

2019

- 55 Song J, Liang JF, Mehrabi-Koushki M, Krisai-Greilhuber I, Ali B, Bhatt VK, Cerna-Mendoza A, Chen B, Chen ZX, Chu HL, Corazon-Guivin MA, da Silva GA, De Kesel A, Dima B, Dovana F, Farokhinejad R, Ferisin G, Guerrero-Abad JC, Guo T, Han LH, Ilyas S, Iqbal J, Justo A, Khalid AN, Khodadadi-Pourarpanahi S, Li TH, Liu C, Lorenzini M, Lu JK, Mumtaz AS, Oehl F, Pan XY, Papp V, Qian W, Razaq A, Semwal KC, Tang LZ, Tian XL, Uddin S, Vallejos-Tapullima A, van der Merwe NA, Wang SK, Wang CQ, Yang RH, Yu F, Zapparoli G, Zhang M, Antonín V, Aptroot A, Aslan A, Banerjee A, Chatterjee S, Dirks AC, Ebrahimi L, Fotouhifar KB, Ghosta Y, Kalinina LB, Karahan D, \*Liu J, Maiti MK, Mookherjee A, Nath PS, Panja B, Saha J, Ševčíková H, Voglmayr H, Yazıcı K, **Haelewaters D**. 2019. *Fungal Systematics and Evolution* 5. *Sydowia* 71: 141-245.
- 54 He MQ, Zhao RL, Hyde KD, Begerow D, Kemler M, Yurkov A, McKenzie EHC, Raspé O, Makoto K, Sánchez-Ramírez S, Vellinga EC, Halling R, Papp V, Zmitrovich IV, Buyck B, Ertz D, Wijayawardene NN, Cui BK, Schoutteten N, Liu XZ, Li TH, Yao YJ, Zhu XY, Liu AQ, Li GJ, Zhang MZ, Ling ZL, Cao B, Antonín V, Boekhout T, Barbosa da Silva BD, De Crop E, Decock C, Dima B, Dutta AK, Fell JW, Geml J, Ghobad-Nejhad M, Giachini AJ, Gibertoni TB, Gorjón SP, **Haelewaters D**, He SH, Hodkinson BP, Horak E, Hoshino T, Justo A, Lim YW, Menolli Jr. N, Mešić A, Moncalvo JM, Mueller GM, Nagy LG, Nilsson RH, Noordeloos M, Nuytinck J, Orihara T, Ratchadawan C, Rajchenberg M, Silva-Filho AGS, Sulzbacher MA, Tkalčec Z, Valenzuela R, Verbeken A, Vizzini A, Wartchow F, Wei TZ, Weiß M, Zhao CL, Kirk PM. 2019. Notes, outline and divergence times of Basidiomycota. *Fungal Diversity* 99(1): 105-367.
- 53 **Haelewaters D**, De Kesel A, \*Gorczak M, \*Bao K, Gort G, Zhao SY, Pfister DH. 2019. Laboulbeniales (Ascomycota) of the Boston Harbor Islands II: species parasitizing Carabidae, and the *Laboulbenia flagellata* species complex. *Northeastern Naturalist* 25(Special Issue 9): 110-149.
- 52 Camacho J, Heyde A, Bhullar BAS, **Haelewaters D**, Simmons NB, Abzhanov A. 2019. Peramorphosis, an evolutionary developmental mechanism in neotropical bat skull diversity. *Developmental Dynamics* 248(11): 1129-1143.
- 51 Jumbam B, **Haelewaters D**, Koch RA, Dentinger BTM, Henkel TW, Aime MC. 2019. A new and unusual species of *Hericium* (Basidiomycota: Russulales, Hericiaceae) from the Dja Biosphere Reserve, Cameroon. *Mycological Progress* 18(10): 1253-1262.
- 50 Hiller T, **Haelewaters D**. 2019. A case of silent invasion: citizen science confirms the presence of *Harmonia axyridis* (Coleoptera, Coccinellidae) in Central America. *PLoS One* 14(7): e0220082.
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## VII. CONFERENCE PROCEEDINGS [\*mentee author]

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## IX. INVITED PRESENTATIONS

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- #Scicomm at the interface of disciplines. *Invited symposium talk*, XXVI International Congress of Entomology, Helsinki (Finland). 18-23 July 2022 (with B.R. Lovett).
- A case of silent invasion: citizen science confirms the presence of *Harmonia axyridis* in Central America. *Invited symposium talk*, XXVI International Congress of Entomology, Helsinki (Finland). 18-23 July 2022 (with T. Hiller).
- Fungal parasites of bat parasites: evolution, host associations, and the effect of habitat. *Biology Seminar Series*, Department of Biological Sciences, Butler University, Indianapolis IN. 31 March 2021.
- Recent advances in an understudied clade of arthropod-associated fungi, the Laboulbeniomycetes. *Invited lecture*, International Webinar Series Forensic | Urban | Nutritional | Ento Lab, Institute of Medical Molecular Biotechnology, Universiti Teknologi MARA (Malaysia). 19 January 2021.
- Laboulbeniales fungi, arthropod-associated ectoparasites? The jury is still out. *Invited presentation*, Parasite Discussion Club, Leibniz Institute of Freshwater Ecology and Inland Fisheries (Germany). 2 December 2020.
- Bats, bat flies, and fungi. *Invited presentation*, “50 years of bat research” virtual symposium. North American Society for Bat Research. 20 November 2020.
- Understudied fungi in understudied habitats: A tritrophic system with bats, bloodsucking bat flies, and ectoparasitic fungi. *Invited Departmental Seminar*, Department of Biology, Western Kentucky University, Bowling Green KY. 7 February 2020.
- Arthropod-associated Laboulbeniales fungi, the elephant in the room. *Invited Departmental Seminar*. Department of Entomology, Purdue University, West Lafayette IN. 16 January 2020.
- Ascomycota: Leotiomyces & Laboulbeniomycetes. *Guest lecture*, Department of Biological Sciences, Butler University, Indianapolis IN. 15 October 2019.

Factors driving speciation in a group of fungal epibionts on arthropods. *EcoLunch Seminar Series*, Department of Biological Sciences, Purdue University, West Lafayette IN. 28 August 2019.

Phylogenetic reconstruction of the Laboulbeniomyces. *Invited symposium talk*, Mycological Society of America Annual Meeting, Minneapolis MN. 10-14 August 2019 (with A. Weir).

Mycologist goes mammalogy: Laboulbeniales fungi on bat-associated flies. *Invited talk*, Cusuco National Park (Honduras). 13 July 2019.

Taxonomy and species delimitation in Laboulbeniales (Fungi, Ascomycota). *Invited talk*, Ximena Bernal Lab Meeting, Department of Biological Sciences, Purdue University, West Lafayette IN. 24 April 2019.

Microbial World: Ascomycota. *Guest lecture*, Department of Botany and Plant Pathology, Purdue University, West Lafayette IN. 8 March 2019.

Laboulbeniales, their ecology, diversity and taxonomy. *Invited lecture*, Faculty of Science, Charles University (Czech Republic). 24-25 October 2018.

LGBT+ in STEM, a must-have conversation. *Invited symposium talk*, 11th International Mycological Congress, San Juan PR, 20 July 2018 (with A.L. Romero-Olivares).

Speciation and diversity in Laboulbeniomyces. *Invited seminar*, Department of Botany and Plant Pathology, Purdue University, West Lafayette IN. 27 April 2018.

On the hunt for fungi on flies on bats: A summer of fieldwork in Panama. *Herbaria Seminar Series*, Harvard University Herbaria, Cambridge MA. 26 September 2017.

Three independent lineages of ectoparasitic fungi associated with bat flies. *Invited seminar*, Department of Zoology, University of South Bohemia, České Budějovice (Czech Republic). 23 August 2017.

Fungal parasite on exotic lady beetle in South Africa: curse or blessing? [In Dutch]. *Invited seminar*, Royal Academy for Overseas Sciences, Brussels (Belgium). 21 February 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 FL. 30 September 2016.

A common fungal parasite of ladybirds: single species or species complex? *Guest lecture*, Department of Plant Pathology, University of Florida, Gainesville FL. 27 September 2016.

Introducción a los Laboulbeniales: hongos ectoparásitos estrictos de artrópodos. *Seminar as part of "Taller Internacional: Hongos asociados a insectos: Un aporte al conocimiento de la biodiversidad,"* Universidad Autónoma de Chiriquí, David (Panama). 26 July 2016.

Bats, bat flies, and Laboulbeniales fungi: a model for studying hyperparasitism. *Bambi Seminar Series*, Smithsonian Tropical Research Institute, Isla Barro Colorado (Panama). 14 July 2016.

Around the world in 80 years: a lady beetle and its parasite. *Invited seminar*, Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor MI. 30 June 2016.

Current research on Laboulbeniales fungi in New England. *Invited seminar*, New England Botanical Club, Cambridge MA. 1 April 1, 2016.

Can Laboulbeniales parasites (Fungi, Ascomycota) be invasive? *Invited presentation*, IOBC-WPRS Working Group Meeting, Bornholm, Denmark. 14 May 2015.

The Laboulbeniales, an obscure group of insect-parasitizing fungi. Philadelphia Botanical Club, Philadelphia PA. 26 February 2015.

WANTED: lady beetles with Laboulbeniales. Faculty of Science & Technology, Universiti Kebangsaan Malaysia, Bangi, Malaysia. 20 June 2014.

Introducing the fascinating Laboulbeniales. Levels of specificity. Nixon Park Nature Center, York PA. 29 March 2014.

Parasite-host dynamics of Laboulbeniales parasites and invasive lady beetles. Wesleyan College, Macon GA. 18 March 2014.

Can Laboulbeniales fungi help in the biological control of the invasive *Harmonia axyridis*? U.S. Department of Agriculture, Agricultural Research Service, Byron GA. 24 October 2013.

Laboulbeniales: an ecological approach. Boston Mycological Club, Cambridge, MA. 4 March 2013.

Laboulbeniales (Fungi-Ascomycota) on insects. [In Dutch]. Brabant Museum of Nature, Tilburg, Netherlands. 25 October 2011.

#### X. SCHOLARLY PRESENTATIONS AND SYMPOSIA [presenter, \*mentee author]

Losey J, Gill H, **Haelewaters D**. Global decline in ladybird diversity: Causes and consequences. Oral presentation, XXVI International Congress of Entomology, Helsinki (Finland). 18-23 July 2022.

Soares AO, Brown P, Roy H, Grez A, **Haelewaters D**, Nedvěd O, Omkar, Pervez A, Mishra G, Losey J. Assessing the conservation status of ladybirds: A roadmap towards conservation. Oral presentation, XXVI International Congress of Entomology, Helsinki (Finland). 18-23 July 2022.

**Haelewaters D**, Ngumbi E. #SciComm for scientists who work with insects. Symposium co-organizer and moderator, XXVI International Congress of Entomology, Helsinki (Finland). 18-23 July 2022.

**Haelewaters D**. Conservation of ladybirds. Symposium organizer and moderator, XXVI International Congress of Entomology, Helsinki (Finland). 18-23 July 2022.

#### 2021

**Haelewaters D**. Conservation of ladybirds: current progress and future actions for recovery of locally native species. Symposium organizer, 30th International Congress for Conservation Biology, Kigali (Rwanda), 12-16 December 2021.

\*Dumolein I, Hiller T, Martin TE, Medina-van Berkum P, Verbeken A, **Haelewaters D**. The bat as a house for different residents: a tritrophic survey of bats, flies, and fungi in a Honduran cloud forest. Oral presentation, Botany 2021 Virtual. 18-23 July 2021.

Fatemi S, **Haelewaters D**, Urbina H, Eckert E, Gómez Zapata PA, Pruitt RE, Aime MC. A basidiomycetous red yeast, *Sporobolomyces* sp. nov., and its implications for human health. Poster presentation, Botany 2021 Virtual. 18-23 July 2021.

Grupe II AC, Weier A, Smith ME, **Haelewaters D**, Quandt A. New species and lineages of Leotiomyces from South America. Poster presentation, Botany 2021 Virtual. 18-23 July 2021.

**Haelewaters D**, \*Stallman J, Liu J, Aime MC. *Polydiscidium martynii*—an enigmatic fungus placed onto the Ascomycota Tree of Life. Poster presentation, Botany 2021 Virtual. 18-23 July 2021.

**Haelewaters D**, \*de Groot MD, Hiller T, Nedvěd O, Aime MC. What parasites like: abiotic factors influencing the occurrence of Laboulbeniales fungi. Oral presentation, Botany 2021 Virtual. 18-23 July 2021.

Jakob S, Roy BA, Swearingen C, Vandegrift R, Vellinga EC, **Haelewaters D**. The Rare 10 Challenge, a community-science project documenting rare and threatened fungi in service of conservation. Oral presentation, Botany 2021 Virtual. 18-23 July 2021.

Melie T, **Haelewaters D**, Quandt CA. Genome scale phylogeny and increased taxon sampling resolve the major relationships within class Leotiomyces. Poster presentation, Botany 2021 Virtual. 18-23 July 2021.

#### 2020

\*de Groot MD, **Haelewaters D**. Parasites of parasites: Laboulbeniales fungi on bat flies on bats. Bat Science Stage – #BatFest. Bat Conservation Trust. 30 September 2020.

Quandt CA, Melie T, **Haelewaters D**. The road to a stable phylogeny of the Leotiomyces. Poster presentation, Mycological Society of America's First Virtual Meeting. 22 July 2020.

\*Liu J, **Haelewaters D**, Aime MC. A new species of bat fly-associated Laboulbeniales revealed by morphology, molecular data, and host association. Poster presentation, Mycological Society of America's First Virtual Meeting. 22 July 2020.

**Haelewaters D.** Does habitat influence parasitism of parasites? World Bat Twitter Conference #WBTC1. Online presentation. 29 May 2020.

2019

**Fatemi S, Haelewaters D, \*Houston ML, Aime MC.** The Lettuce Mycobiome: A common undescribed species of red yeast from the romaine lettuce phylloplane. Poster presentation, Annual USDA-CFSE Research Planning Meeting, West Lafayette IN. 29 October 2019.

**Haelewaters D, Fatemi S, \*Houston ML, Aime MC.** The Lettuce Mycobiome: different sequencing platforms to characterize fungal microbiota of Romaine lettuce. Poster presentation, Annual USDA-CFSE Research Planning Meeting, West Lafayette IN. 29 October 2019.

**Haelewaters D, Martin TE.** Bat fly-associated fungi: current developments and a call for global collaborations. Oral presentation, 49th North American Symposium on Bat Research, Kalamazoo MI. 26 October 2019.

**Haelewaters D, Fatemi S, \*Houston ML, Aime MC.** Characterizing fungal microbiota of Romaine lettuce using Sanger and next-generation sequencing platforms. Poster presentation, 18th Congress of European Mycologists, Warsaw-Białowieża (Poland). 17 September 2019.

**Haelewaters D.** Patterns of speciation in thallus-forming Laboulbeniomycetes. Oral presentation, 18th Congress of European Mycologists, Warsaw-Białowieża (Poland). 16 September 2019.

**Haelewaters D, Aime MC.** *We don't know what we eat!* Oral presentation, Purdue University Center for Food Safety Engineering, West Lafayette IN. 22 August 2019.

**Haelewaters D, \*Houston ML, Aime MC.** Chopping up lettuce: changing fungal communities in response to management treatments, and implications for human health. Oral presentation, Mycological Society of America Annual Meeting, Minneapolis MN. 10-14 August 2019.

**Haelewaters D, Kasson MT, Jusino MA.** Animal-associated fungi: from parasitism to mutualism. Symposium organizer and moderator, Mycological Society of America Annual Meeting, Minneapolis MN. 10-14 August 2019.

**\*Dirks AC, Haelewaters D.** Diversity on the continental edge: Taxonomic investigations into the poorly studied corticioid fungi at the Boston Harbor Islands reveal undescribed species and new reports for North America. Poster presentation, Mycological Society of America Annual Meeting, Minneapolis MN. 10-14 August 2019.

**Jumbam B, Haelewaters D, Koch RA, Dentinger BTM, Henkel TW.** A new and unusual species of *Hericium* from the Dja Biosphere Reserve, Cameroon. Poster presentation, Mycological Society of America Annual Meeting, Minneapolis MN. 10-14 August 2019.

**Szentiványi T, Pfliegler WP, Sándor AD, Christe P, Glairot O, Blackwell M, Haelewaters D.** Distribution, host specificity, and variation in *Arthrorhynchus nycteribiae* and *A. eucampsipodae* (Laboulbeniomycetes), an update. Poster presentation, 18th International Bat Research Conference. Phuket, Thailand. 28 July-1 August 2019.

**Haelewaters D, Aime MC.** Chopping up lettuce: niche exploitation by mold communities in response to management regimes. Poster presentation, Purdue University Microbiome Symposium, West Lafayette IN. 13 May 2019.

**\*Houston ML, Haelewaters D, Aime MC.** Romaine lettuce: A source of undescribed fungal diversity. Poster presentation, Purdue Undergraduate Research Conference, West Lafayette IN. 9 April 2019.

**Haelewaters D, Aime MC.** The fungal microbiome of Romaine lettuce: current progress and challenges. Oral presentation, USDA/ARS/FSIS Food Safety Meeting, Shepherdstown WV. 21 February 2019.

2018



- Villarreal R, Verhaeghen S, Ríos R, Bernal J, **Haelewaters D**. Nuevos registros de Laboulbeniales para Panamá. Oral presentation, XVII Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 25 October 2018.
- \*Cocherán K, Villarreal R, Hofmann T, Bernal J, **Haelewaters D**. Infestación de Laboulbeniales (Fungi: Ascomycota) en moscas ectoparasitas (Insecta: Diptera) de murciélagos en Gamboa, Panamá. Poster presentation, XVII Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 23-26 October 2018.
- \*Gaitán L, Villarreal R, Bernal J, Hofmann T, **Haelewaters D**. Laboulbeniales en carábidos (Coleoptera; Carabidae) en el sendero Los Quetzales, Chiriquí, Panamá. Poster presentation, XVII Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 23-26 October 2018.
- \*González L, Villarreal R, Bernal J, Hofmann T, **Haelewaters D**. Morfometría de *Laboulbenia perplexa* Thaxt. (Ascomycota, Laboulbeniales) en *Galerita championi* Bates (Carabidae, Galeritini). Poster presentation, XVII Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 23-26 October 2018.
- \*Gutiérrez K, Villarreal R, Bernal J, Hofmann T, **Haelewaters D**. Laboulbeniales en estafilínidos (Coleoptera: Staphylinidae) en el sendero Los Quetzales, Chiriquí, Panamá. Poster presentation, XVII Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 23-26 October 2018.
- Haelewaters D**, \*Pan FY, \*Pan JY. Tracking an ectoparasitic fungus of *Harmonia axyridis* in North America using literature records and citizen science data. Poster presentation, IOBC-WPRS Working Group Meeting, Ponta Delgada, Azores. 13 September 2018.
- Haelewaters D**. *Hesperomyces "harmoniae"* nom. prov. (Laboulbeniales), an ectoparasitic fungus specific to *Harmonia axyridis*. Oral presentation, IOBC-WPRS Working Group Meeting, Ponta Delgada, Azores. 12 September 2018.
- Pfliegler WP, Imre A, Makó R, **Haelewaters D**. Gut-inhabiting and ectosymbiotic arthropod-associated fungi from a neotropical rainforest, including two new species of yeasts. Poster presentation, 11th International Mycological Congress, San Juan PR. 20 July 2018.
- Haelewaters D**. Boosting diversity in mycology. Symposium organizer and moderator, 11th International Mycological Congress, San Juan PR. 20 July 2018.
- Cheeke TE, Branco S, **Haelewaters D**, Natvig DO, Maltz M, Cantrell Rodriguez S, Cafaro MJ, May G. Diversity in the Mycological Society of America. Oral presentation, 11th International Mycological Congress, San Juan PR. 20 July 2018.
- Mayers CG, **Haelewaters D**, Stajich JE, Blackwell M. Where do you fit in the mycological genealogy? Poster presentation, 11th International Mycological Congress, San Juan PR. 18 July 2018.
- Gorczak M, **Haelewaters D**, Istel L, Okrasińska A, Wrzosek M. Unearthing ephemeral mycoparasites – molecular studies of Pyxidiophorales (Laboulbeniomycetes, Ascomycota). Poster presentation, 11th International Mycological Congress, San Juan PR. 18 July 2018.
- Haelewaters D**, Pfister DH. *Herpomyces* (Laboulbeniomycetes): a new order and a new species spread through pet trade. Poster presentation, 11th International Mycological Congress, San Juan PR. 17 July 2018.
- Gorczak M, **Haelewaters D**, Pfliegler W, Wrzosek M. Simplify and become a parasite. Lessons from Laboulbeniomycetes (Ascomycota, Fungi). 5th Young Natural History Scientists' Meeting, Paris (France). 6-10 March 2018.

2017

- Haelewaters D**, Hiller T. Bats, bat flies, and Laboulbeniales fungi from the Chucantí Nature Reserve in eastern Panama. Oral presentation, 47th North American Symposium on Bat Research, Knoxville TN. 19 October 2017.
- Haelewaters D**. Murciélagos, moscas en murciélagos y hongos Laboulbeniales: un modelo para estudiar hiperparasitismo. Oral presentation, III Congreso Científico, Universidad Autónoma de Chiriquí, David (Panama). 15 August 2017.

**Haelewaters D**, Pfliegler WP, \*Gorczał M, Pfister DH. Laboulbeniomycetes fungal ectoparasites of cockroaches: three-gene phylogeny and implications. Oral presentation, Evolution Annual Meeting, Portland OR. 23-27 June 2017.

Pfliegler WP, **Haelewaters D**, Báthori F, Zimmerman CU, Tartally A. *Rickia wasmannii*, a fungal ectoparasite of *Myrmica* ants, is a single phylogenetic species based on ribosomal DNA. Poster presentation, 7th Central European Workshop of Myrmecology, Krakow (Poland). 21-24 April 2017.

**Haelewaters D**, Albert M. The Boston Harbor Islands ATBI: Focus on Fungi. Oral presentation, Boston Harbor & Islands Science Symposium, Northeastern University, Boston MA. 12 April 2017.

## 2016

Villarreal R, **Haelewaters D**, Kirschner R, Hofmann T, Bernal J. Estudios de Laboulbeniales en Chiriquí, Panamá. Poster presentation, Primer Congreso de Ciencia y Tecnología, David (Panama). 7 November 2016.

**Haelewaters D**, Page RA. Laboulbeniales fungal ectoparasites on bat flies in Gamboa, Panama. Poster presentation, STRI Science Symposium, Tupper Center, Ancón (Panama). 26 October 2016.

Villarreal R, **Haelewaters D**, Kirschner R, Hofmann T, Bernal J. Hongos asociados a insectos: un aporte al conocimiento de la biodiversidad. Poster presentation, XVI Congreso Nacional de Ciencia y Tecnología, Ciudad de Panamá (Panama). 19-22 October 2016.

**Haelewaters D**, Santamaría S, Pfister DH, Enghoff H, Reboleira ASP. Laboulbeniales fungal ectoparasites on cave arthropods: remarkable models for ecology and evolution. Poster presentation, XXV International Congress of Entomology, Orlando FL. 30 September 2016.

**Haelewaters D**, Pfliegler WP, Camacho JC, Page RA, Dick CW, Pfister DH. Laboulbeniales on bat flies: three independent origins of host associations. Poster presentation, MassMyc regional meeting, University of Massachusetts, Amherst MA. 24 September 2016.

Cheeke TE, Branco S, **Haelewaters D**, Natvig DO, Maltz M, Cantrell Rodriguez S, May G. Diversity in the Mycological Society of America. Poster Presentation, Mycological Society of America Annual Meeting, Berkeley CA. 8 August 2016.

**Haelewaters D**, Pfister DH. Molecular analysis reveals host-associated diversity in a microscopic fungal parasite. Oral presentation, Mycological Society of America Annual Meeting, Berkeley CA. 8 August 2016.

**Haelewaters D**. Visualization of microscopic fungal parasites through time: from line drawings to PPC-SRμCT. Poster presentation, Simmons Awards Symposium, Harvard Center for Biological Imaging, Cambridge MA. 10 June 2016.

**Haelewaters D**. Ten years of research at the Boston Harbor Islands National Park. Session organizer and moderator, Northeast Natural History Conference, Springfield MA. 23 April 2016.

\*Kappler L, Albert M, **Haelewaters D**. A Fungal Biodiversity Inventory of the Boston Harbor Islands. Oral presentation, Northeast Natural History Conference, Springfield MA. 23 April 2016.

Rykken JJ, **Haelewaters D**, Farrell BD, Albert M. Current state of the All Taxa Biodiversity Inventory (ATBI) project at the Boston Harbor Islands National Recreation Area. Oral presentation, Northeast Natural History Conference, Springfield MA. 23 April 2016.

Camacho J, Heyde A, Bhullar BAS, **Haelewaters D**, Simmons NB, Abzhanov A. The evolution and development of diverse and adaptive skull shapes in New World leaf-nosed bats. Oral presentation, Society for Integrative & Comparative Biology Annual Meeting, Portland OR. 6 January 2016.

## 2015

**Haelewaters D**, \*Wang TW, Pfister DH. Current Laboulbeniales research: developing a model for parasite-host interactions and studying specialist fungi on cockroaches. Poster

presentation, Life Sciences Undergraduate Research Fair, Cambridge MA. 12 November 2015.

Camacho JC, Heyde A, Bhullar BA, **Haelewaters D**, Simmons N, Abzhanov A. Evolution by terminal addition generates diverse and adaptive skull shapes of phyllostomid bats. Oral presentation, 45th North American Symposium on Bat Research, Monterey CA. 29 October 2015.

Gorczak M, Pfliegler WP, Tartally A, Tischer M, Pfister D, Wrzosek M, **Haelewaters D**. Preliminary studies on molecular phylogeny of Laboulbeniales. Oral presentation, XVII Congress of European Mycologists, Madeira, Portugal. 24 September 2015.

**Haelewaters D**, Shapiro-Ilan DI, Cottrell TE. Will dual fungal infections increase *Harmonia axyridis* mortality in natural populations? Oral presentation, Joint International Conference "Botany 2015", Edmonton, Alberta (Canada). 28 July 2015.

**Haelewaters D**, Pfister DH. Cryptic diversity in the *Hesperomyces virescens* species complex (Ascomycota, Laboulbeniomycetes, Laboulbeniales). Poster presentation, Joint International Conference "Botany 2015", Edmonton, Alberta (Canada). 27 July 2015.

\*Wang TW, **Haelewaters D**, Pfister DP. *Hesperomyces chaetophilus*, a new record of Laboulbeniales for North America. Oral presentation, New England Botanical Club 120th Anniversary Research Conference, Smith College, Northampton MA. 6 June 2015.

**Haelewaters D**, Shapiro-Ilan DI, Cottrell TE. Will dual fungal infections increase *Harmonia axyridis* mortality in natural populations? Oral presentation, IOBC-WPRS Working Group Meeting, Bornholm, Denmark. 13 May 2015.

Baral HO, **Haelewaters D**, Pärtel K. A new attempt to classify the families of the Helotiales. Poster presentation, Second International Workshop on Ascomycete Systematics, Amsterdam, The Netherlands. 22-24 April 2015.

Blackwell M, **Haelewaters D**. Laboulbeniomycetes: Alga? Worm? Fungus? Oral presentation, Second International Workshop on Ascomycete Systematics, Amsterdam, The Netherlands. 24 April 2015.

## 2014

**Haelewaters D**, \*Park J, Pfister DH. *Hesperomyces virescens*, species complex. Oral presentation, MassMyco regional meeting, Harvard Forest, Petersham MA. 11 October 2014.

\*Wang TW, **Haelewaters D**, De Kesel A, Pfister DH. Harvard cockroach hosts new record of Laboulbeniales. Poster presentation, MassMyco regional meeting, Harvard Forest, Petersham MA. 11 October 2014.

**Haelewaters D**. Fungal functional traits in a changing world. Moderator, MSA Student Section-organized symposium, Mycological Society of America Annual Meeting, East Lansing MI. 7-11 June 2014.

Uehling JK, Lee S, Adams C, Maltz MR, **Haelewaters D**. MSA Student Section 2014 - Fungal functional traits. Poster presentation, Mycological Society of America Annual Meeting, East Lansing MI. 7-11 June 2014.

## 2013

**Haelewaters D**, Zhao SY, De Kesel A, Pfister DH. The Laboulbeniales of the Boston Harbor Islands. Poster presentation, American Phytopathological Society and Mycological Society of America Joint Meeting, Austin TX. 10-14 August 2013.

**Haelewaters D**, Pfister DH. Two new species of *Diphymyces* (Laboulbeniales) from Borneo. Poster presentation, American Phytopathological Society and Mycological Society of America Joint Meeting, Austin TX. 10-14 August 2013.

## 2012

**Haelewaters D**, De Kesel A, Pfister DH. Two new species of Laboulbeniales (Fungi, Ascomycota). Poster presentation, MassMyco regional meeting, Clark University, Worcester MA. 27 October 2012.

## XI. SELECTED POPULAR SCIENCE PUBLICATIONS

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- Een nieuwe soort voor de wetenschap dankzij Twitter [in Dutch]. Scientias.nl, 18 May 2020. 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, 9 December 2019. Available from: <https://massivesci.com/notes/diversity-fieldwork-field-work/>.
- Capturing bats to find fungi on flies. ReVista, 18 June 2019. Available from: <https://revista.drclas.harvard.edu/capturing-bats-to-find-fungi-on-flies/>.
- Pfliegler WP, Haelewaters D. 2016. Parasites of parasites: blood-sucking bat flies infected with enigmatic Laboulbeniales fungi. *Friends of the Farlow Newsletter* 67: 12-13.
- Haelewaters D, Verhaeghen S. 2016. Expecting the unexpected: Looking for lady beetles and their parasites. *ReVista* 15(1): 30.
- Noordijk J, Haelewaters D, Boer P. 2016. Beschimmelde mieren [in Dutch]. *Natuurbericht*, 21 March 2016. Available from: <https://www.naturetoday.com/intl/nl/nature-reports/message/?msg=22595>.
- De rol van tijdelijke soortvorming in evolutie [in Dutch]. Scientias.nl, 18 November 2013. Available from: <https://www.scientias.nl/de-rol-van-tijdelijke-soortvorming-evolutie/>.
- Hebeloma*, Pioneer genus in forensic mycology. *FUNGI Magazine* 6(3): 47-48 (2013).
- Great research, unexpected conclusion – Why fish is so good for you (?). *SciLogs.com*, 7 May 2012.
- Gene Variants of a “stress” gene have profound impacts on health. *Science in the News*, 1 April 2013. Available from: <http://sitn.hms.harvard.edu/flash/2013/gene-variants-of-a-stress-gene-have-profound-impacts-on-health/>.
- Er was eens ... een opwarmende aarde [in Dutch]. Scientias.nl, 27 January 2013.
- Fatty acid-rich fish stocks: a sixth extinction crisis. *Science in the News* 2 January 2013. Available from: <http://sitn.hms.harvard.edu/flash/2013/issue133b/>.
- Exserohilum rostratum*, the killing fungus. *FUNGI Magazine* 5(5): 12-14 (2012).
- Levend licht: nieuwe hypothese rond bioluminescentie [in Dutch]. *EOS Magazine* 29(10): 20-21 (2012).

## XII. TEACHING ACTIVITIES

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### Courses taught

- Fall 2021      Lecturer in Doctoral Schools Natural Sciences, (Bioscience) Engineering, and Life Sciences and Medicine (X000947: Writing Academic Papers).
- Fall 2016      Teaching Fellow in Organismic and Evolutionary Biology (OEB54: *Biology of the Fungi*). 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*). Taught with Donald H. Pfister.
- Fall 2015      Teaching Fellow in Organismic and Evolutionary Biology (OEB59: *Plants and Human Affairs*). Taught with Donald H. Pfister.
- Spring 2015    Teaching Fellow in Molecular and Cellular Biology (LS1b: *Genetics*,  
+ Spring 2014 *Genomics, and Evolution*). 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

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 Dr. 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, co-instructor. Hosted by Dr. Juan Bernal-Vega and *M.Sc.* Rosa Villarreal.

### Students advised

#### *Committee member for PhD students*

**Helen Law**, Purdue University, Department of Botany and Plant Pathology, January 2021-present

**Nadia Nisha Musa**, Universiti Kebangsaan Malaysia, Department of Biological Sciences and Biotechnology, January 2021-present, “Diversity and interaction study on Coccinellidae (Coleoptera) from several different landscapes in Peninsular Malaysia”

**Jeffery K. Stallman**, Purdue University, Department of Botany and Plant Pathology, August 2020-present, “Leveraging tropical collections and molecular data to understand the biodiversity and evolutionary history of the Leotiomycetes (Ascomycota)”

**Nathan Schouttetten**, Ghent University, Department of Biology, October 2019-present, “A hidden and sneaky strategy: mechanisms and importance of mycoparasitism in the evolution of Basidiomycota”

#### *Committee member for Master students*

**Maartje Cathelyn**, Ghent University, September 2021-present, “Exclusive for Africa: *Lactifluus* sect. *Pseudogymnocarpi*: creating order in the chaos”

**Brianna M. Santamaria**, Ghent University, Belgian American Education Foundation Fellow, September 2021-present, “How do biotic and abiotic factors affect parasitism? A case study with ectoparasitic Laboulbeniales fungi”

**Maarten Lubbers**, Leiden University, March-August 2021, “Peculiar parasites: on the ecology and genetics of Laboulbeniales”

**Ganna Suvorova**, Erasmus Mundus Masters Course in Tropical Biodiversity and Ecosystem, December 2020-present, “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, June 2020-May 2021, “Laboulbeniales hyperparasites of bat flies: distributions, host specificity, and abiotic traits”

**Iris Dumolein**, Ghent University, Department of Biology, February 2020-September 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, September 2018-August 2019, “Biodiversity of the genus *Laboulbenia*: are there cryptic species?”

#### *Undergraduate students*

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

**Warre Van Caenegem**, Ghent University, February-April 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, February-April 2020, bachelor thesis “Een morfologische studie van *Arthrorhynchus nycteribiae* (Laboulbeniales)”

**Alexis M. O'Brien**, Purdue University College of Agriculture, January-October 2020

**Joseph R. Gerteisen**, Purdue University College of Agriculture, August-December 2019

**Makenna L. Houston**, Purdue University College of Agriculture, January 2019-December 2019

**Kristel Cocherán**, Universidad Autónoma de Chiriquí, August 2017-present  
**Joel Trejos**, Universidad Autónoma de Chiriquí, August 2017-present  
**Kevin Bao**, Harvard College, September 2016-April 2017  
**Nadia L. Urrea**, Harvard College, September 2016-April 2017  
**Laura Gaitán**, Universidad Autónoma de Chiriquí, August 2016-December 2020  
**Katherin Gutierrez**, Universidad Autónoma de Chiriquí, August 2016-December 2020  
**Leila Gonzalez**, Universidad Autónoma de Chiriquí, July 2016-present  
**Christopher Chen**, Harvard College, summer 2016  
**Julie Park**, Harvard College, May 2014-January 2015  
**Tristan W. Wang**, Harvard College, January 2014-May 2016, senior thesis “*Herpomyces*: phylogeny, taxonomy, and ecology of a fungal genus parasitic on cockroaches”  
**Rebecca E. Handlin**, Harvard College, May-December 2013

#### *High school students*

**Fred Y. Pan**, Phillips Academy, Massachusetts, May 2017-May 2018  
**Jeffrey Y. Pan**, Reading Memorial High School, Massachusetts, May 2017-May 2018  
**Isabel R. Royer**, Lexington High School, Massachusetts, December 2013-May 2014

#### *Interns and field assistants*

**Jingyu Liu**, research assistant, post-graduate from Purdue University College of Agriculture, August 2019-November 2020  
**Annabel Dorrestein**, field assistant, post-graduate from Utrecht University, summer 2017  
**Lauren A. Meckler**, field assistant, University of Delaware, summer 2017  
**Kirk A. Silas**, field assistant, Bat Conservation and Management, summer 2017  
**Melissa J. Walker**, field assistant, La Trobe University, summer 2017  
**Alden C. Dirks**, intern from Boston Harbor Now, Massachusetts, February-May 2017  
**Michal Gorczak**, intern from University of Warsaw, October-December 2016  
**Rachel Moon**, field assistant, post-graduate from Harvard College, Alex G. Booth Traveling Fellow, summer 2016  
**Lara A. Kappler**, intern from University of Massachusetts Boston, June 2015-May 2016  
**Edgar Franck**, intern from University of Massachusetts Boston, summer 2014

### XIII. FIELD EXPERIENCE

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2021	Western Siberia: Khanty-Mansi Autonomous Okrug
2021	Croatia: Krka National Park
2019	Honduras: Cusuco National Park
2015-2019	Panama: Chiriquí (Boquete, David, Parque Nacional Volcán Barú, Potrerillos Abajo, Reserve Forestal de Fortuna, Volcán), Colón (Gamboa, Parque Nacional Soberanía), Darién (Chucanti Nature Reserve), Panamá Oeste (Barro Colorado Island)
2014	Peninsular Malaysia
2012-2018	Boston Harbor Islands National Recreation Area, Massachusetts, USA
2012	Costa Rica

### XIV. PROFESSIONAL SERVICE

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#### **Peer reviewer**

Acta Mycologica, Agriculture, Annales Botanici Fennici, Aquatic Insects, Asian Journal of Biology, Biharean Biologist, Biodiversity Data Journal (4×), Biological Invasions (4×), Biological Journal of the Linnean Society, Biotechnology Journal International, Diversity, Ecological Entomology, Ecology and Evolution, Environmental Microbiology, Forests, Fungal Biology (2×), Fungal Ecology, Fungal Systematics and Evolution (2×), Genome Biology and Evolution, Heliyon, Insects (6×), International Journal of Biological Macromolecules, Journal of Animal Diversity, Journal of Bat Research & Conservation, Journal of Fungi, Journal of Hymenoptera Research (2×), Journal of Insect Science, Journal of Invertebrate Pathology,

Microbial Ecology, Mycologia (3×), MycoKeys (3×), Mycological Progress (4×), Mycotaxon (5×), NeoBiota, Nova Hedwigia (2×), Parasite (2×), Pathogens, Phytopathology, Phytotaxa, PLoS One (3×), PLoS Pathogens (2×), Redia, Scientific Reports, Sydowia, Water, Willdenowia

### **Editorial positions**

2020-present Associate Editor, *IMA Fungus*  
2020-present Member of Board of Editors, *Neotropical Naturalist*  
2020-present Subject Editor, *Biodiversity Data Journal*  
2020 Guest Editor, *Mycologia* 112(6) (Special Issue: Animal-Associated Fungi)  
2019-present Member of Editorial Board, *Parasite*  
2019-present Member of Editorial Board, *Sydowia*  
2019-present Subject Editor, *MycoKeys*  
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

### **University service**

2016-2017 Universidad Autónoma de Chiriquí, Herbario UCH, Panama, *Programa de Maestría en Biología con Especialización en Biología Vegetal*, Admissions Committee

### **Elected offices in professional societies**

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**

2019-present Member, Electronic Communication & Web Page Management Committee, Mycological Society of America  
2019-2020 Member, Biodiversity and Natural Areas Committee, Indiana Academy of Science  
2018-present Deputy Convenor, IOBC-WPRS Working Group “Benefits and Risks of Exotic Biological Control Agents”  
2018-present Member, Ladybird Specialist Group, International Union for Conservation of Nature (IUCN)  
2018-2019 Member, Conservation Committee, Mycological Society of America  
2016-2018 Diversity and Inclusion Committee, Mycological Society of America, Chair (2017-2018)  
2015-2017 Student Representative, Conservation Committee, Mycological Society of America  
2015-2016 Founding member, *ad-hoc* Diversity Committee, Mycological Society of America  
2014- 2018 Secretary, First Dutch School in Boston, Jamaica Plain, Massachusetts  
2014-2018 Chair, Website & Social Media Committee, News 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

## **XV. ADDITIONAL COURSEWORK/CERTIFICATES**

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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 MA

- 2018 Teaching Certificate  
Derek Bok Center for Teaching and Learning, Cambridge MA
- 2018 Undergraduate Mentoring Workshop Series  
Harvard University, Science Education Office, Cambridge MA
- 2015 Introduction to R Programming  
Microsoft & edX
- 2014 Wilderness First Aid workshop  
Stonehearth Open Learning Opportunities (SOLO)
- 2013 Workshop on Molecular Evolution  
Marine Biological Laboratory, Woods Hole MA
- 2010 Degree in Journalism  
Centrum voor Afstandsonderwijs, Antwerp, Belgium

## XVI. TAXONOMIC NOVELTIES

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### Order

Herpomycetales Haelew. & Pfister, *Index Fungorum* 382: 1 (2018)

### Family

Chrysodiscaceae Baral & Haelew., *Mycol Monten* 20: 81 (2019)

### Genera

*Annabella* Fryar, Haelew. & D.E.A. Catches, *Mycol Prog* 18: 975 (2019)

*Gloeandromyces* Thaxt. ex Haelew., *Sydowia* 72: 328 (2020)

*Inopinatum* Haelew. & Aime, *Int J Syst Evol Microbiol* 71(article no. 4862): 5 (2021)

*Rommelaarsia* Baral & Haelew., *Ascomycete.org* 7: 323 (2015)

*Pseudozeugandromyces* De Kesel & Haelew., *Sydowia* 72: 291 (2020)

### Species

*Amanita mansehraensis* M. Saba, Haelew. & Khalid, *Phytotaxa* 409: 196 (2019)

*Annabella australiensis* Fryar, Haelew., & D.E.A. Catches, *Mycol Prog* 18: 975 (2019)

*Bordea denotata* Haelew. & De Kesel, *Nova Hedwig* 98: 114 (2014)

*Cantharomyces elongatus* Haelew. & De Kesel, *Mycotaxon* 123: 468 (2013)

*Columnomyces electri* Haelew. & Perreau, *Sci Reports* 11(article no. 2672): 6 (2021)

*Columnomyces hispaniolensis* Haelew. & Perreau, *Sci Reports* 11(article no. 2672): 7 (2021)

*Columnomyces pecki* Haelew. & Perreau, *Sci Reports* 11(article no. 2672): 9 (2021)

*Corethromyces bernardii* Haelew. & W. Rossi, *Mycologia* 109: 657 (2017)

*Diphymyces anthracinus* Haelew. & W. Rossi, *Mycologia* 109: 657 (2017)

*Diphymyces blackwelliae* Haelew. & W. Rossi, *Mycologia* 109: 658 (2017)

*Diphymyces costaricensis* Haelew. & W. Rossi, *Mycologia* 109: 658 (2017)

*Diphymyces dichromus* Haelew. & W. Rossi, *Mycologia* 109: 660 (2017)

*Diphymyces kaaistoepi* Haelew. & De Kesel, *Sterbeeckia* 35: 63 (2019)

*Diphymyces newtonii* Haelew. & W. Rossi, *Mycologia* 109: 660 (2017)

*Diphymyces obesus* Haelew. & W. Rossi, *Mycologia* 109: 662 (2017)

*Diphymyces perreai* Haelew. & W. Rossi, *Mycologia* 109: 662 (2017)

*Diphymyces polycarpus* Haelew. & W. Rossi, *Mycologia* 109: 663 (2017)

*Diphymyces sabahensis* Haelew. & Pfister, *Plant Ecol Evol* 147: 94 (2014)

*Diutina bernali* Haelew., Pfliegler, Horváth & Imre, *Fungal Divers* 100: 239 (2020)

*Diutina sipiczki* Pfliegler, Haelew., Horváth & Imre, *Fungal Divers* 100: 239 (2020)



*Gloeandromyces annulus* Dumolein & Haelew., Mycologia (in preparation)  
*Gloeandromyces dickii* Haelew., Fungal Syst Evol 3: 22 (2019)  
*Gloeandromyces hilleri* Haelew. & Pfliegler, Mycologia 112: 1196 (2020)  
*Gloeandromyces pageanus* Haelew., Nova Hedwigia 105: 272 (2017)  
*Gloeandromyces plesiosaurus* Caenegem & Haelew., Mycologia (in preparation)  
*Gloeandromyces verbekeniae* Caenegem & Haelew., Mycologia (in preparation)  
*Herpomycetes shelfordellae* Pfliegler & Haelew., Mol Phylogenet Evol 133: 291 (2019)  
*Herpomycetes spagazzinii* A.C. Gut. & D. Haelew., Mycologia 112: 1186 (2020)  
*Hesperomyces halyziae* Haelew. & De Kesel, MycoKeys 71: 31 (2020)  
*Hesperomyces harmoniae* Haelew. & De Kesel, Front Ecol Evol (in preparation)  
*Hesperomyces parexochomi* Mironova & Haelew., Persoonia (in review)  
*Inocybe brijunica* Mešić, Tkalčec & Haelew., J Fungi 7(article no. 199): 6 (2021)  
*Laboulbenia bernaliana* Haelew. & Santam., Sydowia 71: 176 (2019)  
*Laboulbenia bilobata* Haelew. & W. Rossi, Mycologia 107: 143 (2015)  
*Laboulbenia camerunensis* T.W. Wang & Haelew., Mycotaxon 131: 615 (2016)  
*Laboulbenia coccinellidicola* Haelew., Nova Hedwigia 105: 279 (2017)  
*Laboulbenia ephemerolacuna* Kaishian & Haelew., J Mesoam Biol (in review)  
*Laboulbenia erotylidarum* Haelew., Mycotaxon 129: 444 (2014)  
*Laboulbenia littoralis* De Kesel & Haelew., Mycologia 106: 408 (2014)  
*Laboulbenia longipilis* Haelew. & W. Rossi, Mycologia 107: 143 (2015)  
*Laboulbenia oioveliicola* Haelew. & Gorczak, Sydowia 71: 177 (2019)  
*Laboulbenia pfisteri* Haelew. & W. Rossi, Mycologia 107: 145 (2015)  
*Laboulbenia poplitea* Haelew., Mycotaxon 129: 446 (2014)  
*Laboulbenia quarantena* De Kesel & Haelew., MycoKeys 71: 35 (2020)  
*Laboulbenia termiticola* De Kesel & Haelew., Sydowia 71: 180 (2019)  
*Orbilbia renispora* Y.Y. Shao, Quijada, Baral, Haelew. & Bin Liu, Mycol Prog (2018)  
*Papiliotrema fusca* J.P. Samp., J. Inácio, Fonseca and Fell ex Haelew., J Fungi 7(article no. 277): 8 (2021)  
*Proptomaphagus alleni* Perreau & Haelewaters [Coleoptera, Leiodidae], Sci Reports 11(article no. 2672): 5 (2021)  
*Pseudozeugandromyces tachypori* De Kesel & Haelew., Sydowia 72: 291 (2020)  
*Rodaucea hermanii* Haelew. & W. Rossi, Mycologia 109: 663 (2017)  
*Stammnaria yugrana* Filippova, Haelew. & Baral, MycoKeys 32: 54 (2018)  
*Symmetrospora pseudomarina* Haelew., Albu & Aime, Fungal Syst Evol 5: 192 (2020)  
*Trechispora hondurensis* Schoutteten & Haelew., Sydowia 72: 296 (2020)  
*Trochila bostonensis* Quijada & Haelew., MycoKeys 78: 30 (2021)  
*Trochila urediniophila* Gomez-Zap., Haelew. & Aime, MycoKeys 78: 34 (2021)  
*Zodiomyces rhizophorus* W. Rossi, Haelew. & Pfister, Mycologia 108: 713 (2016)

### 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)  
*Curvibasidium nothofagi* (C. Ramírez & A.E. González) Haelew. & Aime, J Fungi 7(article no. 277): 8 (2021)  
*Hymenoscyphus equiseti* (Raitv.) Baral, Pärtel, Haelew., Myhrer & Pennanen, Sydowia (in preparation)  
*Inopinatum lactosum* (E. Sláviková & Grab.-Łon.) Haelew. & Aime, Int J Syst Evol Microbiol 71(article no. 4862): 5 (2021)  
*Inosperma vinaceobrunneum* (Matheny, Ovrebo & Kudzma) Haelew., Index Fungorum 436: 1 (2020)  
*Mallochybe erratum* (E. Horak, Matheny & Desjardin) Haelew., MycoKeys 69: 24 (2020)  
*Pseudosperma alboflavellum* (C.K. Pradeep & Matheny) Haelew., Index Fungorum 436: 1 (2020)

*Pseudosperma friabile* (Matheny & Kudzma) Haelew., Index Fungorum 436: 1 (2020)  
*Pseudosperma neglectum* (E. Horak, Matheny & Desjardin) Haelew., MycoKeys 69: 25 (2020)  
*Sclerococcum Chiangraiensis* (A.H. Ekanayaka, E.B.G. Jones, Q. Zhao & K.D. Hyde) Haelew., Stallman & Aime, Mycologia (in review)  
*Sclerococcum fusiformis* (A.H. Ekanayaka, E.B.G. Jones, Q. Zhao & K.D. Hyde) Haelew., Stallman & Aime, Mycologia (in review)  
*Sclerococcum martynii* (Wakef.) Haelew., Stallman & Aime, Mycologia (in review)  
*Symmetrospora oryzicola* (Nakase & M. Suzuki) Haelew. & Aime, Fungal Syst Evol 5: 190 (2020)

#### **Formae**

*Gloeandromyces pageanus* f. *alarum* Haelew., Fungal Syst Evol 3: 26 (2019)  
*Gloeandromyces pageanus* f. *polymorphus* Haelew., Fungal Syst Evol 3: 28 (2019)  
*Gloeandromyces plesiosaurus* f. *asymmetricus* Caenegem & Haelew., Mycologia (in preparation)  
*Gloeandromyces plesiosaurus* f. *plesiosaurus* Caenegem & Haelew., Mycologia (in preparation)  
*Gloeandromyces streblae* f. *sigmomorphus* Haelew., Fungal Syst Evol 3: 29 (2019)

#### **XVII. REFERENCES**

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##### **Dr. M. Catherine Aime (postdoc advisor, 2018-2020)**

Purdue University, Department of Botany and Plant Pathology, West Lafayette, Indiana, USA  
Full Professor & Director of the Purdue Herbaria  
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##### **Dr. Meredith Blackwell (Ph.D. committee, 2012-2018)**

Louisiana State University, Department of Biological Sciences, Baton Rouge, Louisiana, USA  
Boyd Professor, emerita  
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##### **Dr. Rachel A. Page (collaborator, 2016-current)**

Smithsonian Tropical Research Institute, Gamboa, Panama  
Staff Scientist  
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##### **Dr. Donald H. Pfister (Ph.D. advisor, 2012-2018)**

Harvard University, Department Organismic and Evolutionary Biology, Cambridge, Massachusetts, USA  
Asa Gray Professor of Systematic Botany & Curator of the Farlow Herbarium  
E: dpfister@oeb.harvard.edu | T: +1 (617) 495-2368

##### **Dr. Annemieke Verbeken (M.S. advisor, Ph.D. committee, postdoc advisor, 2011-current)**

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