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Education

2001 PhD (Botany), Duke University. Dissertation: Ecology and systematics of ectomycorrhizal fungi associated with *Dicymbe* (Caesalpiniaceae) in Guyana. Advisor: Rytas Vilgalys.
1988 MS (Botany), University of Wyoming. Thesis: Infectivity and effectivity of indigenous vesicular-arbuscular mycorrhizal fungi from contiguous soils in the Red Desert of Wyoming. Advisor: Martha Christensen.
1983 BS (Botany), Ohio University. Advisor: James Cavender.

Professional Experience

Professor, Humboldt State University (6/2012-present; sabbatical 14/15; 26/27)
Associate Professor, Humboldt State University (5/2007-6/2012; sabbatical 07/08)
Assistant Professor, Humboldt State University (1/2002-5/2007)

Refereed Publications (35 first-authored; *=graduate student, **=undergraduate student)
https://scholar.google.com/citations?user=Ntr38wYAAAAJ

143. *RICHARDSON M, PEAY K, **HENKEL TW**. Ectomycorrhizal fungi associated with *Pinus* species of California's northwestern coast. *Mycologia (submitted)*
142. SAATI-SANTAMARIA Z, GORJÓN SP, BOBO-PINILLA J,…..**HENKEL TW**….ET AL. Global patterns of soil microbiome responses to land use and agricultural inputs. *Global Change Biology (in review)*
141. CECCARELLI V, BANDA R, FERREIRA DE LIMA RA, CHAVE J, …**HENKEL TW**…ET AL. Tree species hyperdominance across tropical and subtropical America. *Nature Ecology and Evolution (in review)*
140. **HENKEL TW**, LARGENT DL. The Entolomataceae of the Pakaraima Mountains of Guyana IX. *Entoloma aldinophilum* sp. nov., a striking species associated with *Aldina insignis. Edinburgh Journal of Botany (in revision)*
139. **HENKEL TW**. Ectomycorrhizal fungi of the Central Guiana Shield. In: Stephenson SL (ed). *Fungal and Fungal-Like Organisms in Tropical Ecosystems.* CRC Press: Boca Raton. *(accepted)*
138. ELLIOTT TF, STEPHENSON SL, **HENKEL TW**. 2026. Myxomycetes associated with *Dicymbe corymbosa* in Guyana. *Phytotaxa*: doi.org/10.11646/phytotaxa.747.3.6
137. MCMICHAEL CNH, BUSH MB, TER STEEGE H, PIPERNO DR,….**HENKEL TW**…..ET AL. 2025. Centuries of compounding influence on Amazonian forests. *Proceedings of the National Academy of Sciences:* doi/10.1073/pnas.2514040122
136. MILLER SL, **HENKEL TW**, AIME MC. 2025. *Russula rubroglutinata*, a new species from the Guiana Shield. pp. 229-233 in: Dong W et al. (eds) 2020–2025: taxonomic and phylogenetic contributions to freshwater fungi and other fungal taxa**.** *Fungal Diversity Notes*: doi.org/10.1007/s13225-025-00560-3
135. ALVAREZ-MANJARREZ J, **HENKEL TW**, **DUNCAN A, AIME MC, PEAY KG, SMITH ME. 2025. New species of *Thelephora* (Thelephorales, Basidiomycota) associated with *Dicymbe* and *Aldina* in Guyana. *Mycologia* 117: 480-498.
134. TER STEEGE H, POORTER L, AGUIRE-GUTIERREZ J, FORTUNEL C,…..**HENKEL TW**….ET AL. 2025.

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Functional composition of the Amazonian tree flora and forests. *Nature Communications Biology* 8:355

133. SANCHEZ-MARTINEZ P, DEXTER K, DRAPER FC….**HENKEL TW**….ET AL. 2024. Phylogenetic conservatism in the relationship between functional and demographic characteristics in Amazon tree taxa. *Functional Ecology*: doi.org/ 10.1111/1365-2435.14700
132. LUIZE BG, EKELSHOT L, DEXTER K…**HENKEL TW**….ET AL. 2024. The biogeography of the Amazonian tree flora. *Communications Biology*: doi.org/10.1038/s42003-024-06937-5
131. MILLER SL, AIME MC, **HENKEL TW**. 2024. Russulaceae of the Pakaraima Mountains of Guyana 5. Two newly described diminutive species in a novel lineage of the crown clade of *Russula* (Russulaceae). *Phytotaxa* 668: 117-129.
130. SIEGEL N, **HENKEL TW**, ADAMS S, COOPER J, AIME MC. 2024. New Cortinariaceae species associated with *Dicymbe*, *Aldina*, and *Pakaraimaea* in Guyana. *Mycologia* 116: 848-864.
129. *CONWAY SN, MCCUNE B, **HENKEL TW**. 2024. Lichen diversity in serpentine habitats of the North Coast Range, California. *The Bryologist* 127: 220-232.
128. *TREMBLE K, **HENKEL TW**, BRADSHAW B, DOMNAUER C, BROWN LM, THAM LX, FURCI G, AIME MC, MONCALVO J-M, DENTINGER BDM. 2024. A revised phylogeny of the Boletaceae using whole genome sequences. *Mycologia* 116: 392-408.
127. HOUSEHOLDER JE, WITTMAN F, SCHÖNGART J, FERNANDEZ PIEDADE M,…..**HENKEL TW**, AND 210 OTHERS. 2024. One sixth of Amazonian tree diversity is dependent on river floodplains. *Nature Ecology & Evolution*: doi.org/10.1038/s41559-024-02364-1
126. LUIZE BG, BAUMAN D, TER STEEGE H, PALMA-SILVA C…..**HENKEL TW**….ET AL. 2024. Geography and ecology shape the phylogenetic composition of Amazonian tree communities. *Journal of Biogeography*: doi/org/10.1111/jbi.14816
125. COOPER DLM, LEWIS SL, SULLIVAN MJP, PRADO PI, TER STEEGE H…..**HENKEL TW**…ET AL. 2024. Consistent patterns of common species across tropical forest tree communities. *Nature* 625: 728-734.
124. **HENKEL TW**, LARGENT DL. 2023. The Entolomataceae of the Pakaraima Mountains of Guyana VII: *Entoloma dicymbophilum* sp. nov. and a key to Guyanese species of *Entoloma* s.str. *Edinburgh Journal of Botany* 80: 1-9.
123. MIKRYUKOV V, DULYA O, ZIZKA A, BAHRAM M, HAGH-DOUST N, …**HENKEL TW**…ET AL. 2023. Connecting the multiple dimensions of global soil fungal diversity. *Science Advances* 9: eadj8016.
122. TER STEEGE, PITMAN NCA, AMARAL IL, COELHO L, MATOS FD, FIHLO DLL…..**HENKEL TW**….ET AL. 2023. Mapping density, diversity and species-richness of the Amazon tree flora. *Communications Biology* 6: doi.org/10.1038/s42003-023-05514-6
121. PERIPATO V, LEVIS C, MOREIRA GA, GAMERMAN D, DE SOUZA JG…..**TW HENKEL**, ET AL. 2023. More than 10,000 Pre-Columbian earthworks are still hidden throughout Amazonia. *Science* 382: 103-109.
120. BERRIOS L, YEAM J, HOLM L, ROBINSON W, PELLITIER PT, CHIN ML, **HENKEL TW**, PEAY KG. 2023. Positive interactions between mycorrhizal fungi and bacteria are widespread and benefit plant growth. *Current Biology* 33: 2878-2887.
119. POS E, DE SOUZA COELHO L, DE ANDRADE LIMA FILHO D, SALOMÃO RP…**HENKEL TW**, AND 210 OTHERS. 2023. Unraveling Amazon tree community assembly using Maximum Information Entropy: a quantitative analysis of tropical forest ecology. *Nature Scientific Reports* 13: doi.org/10.1038/s41598-023-28132-y
118. NUYTINCK J, **HENKEL TW**, **MILISLAV K, **NOORDERMEER C, VERBEKEN A, AIME MC. 2023. Russulaceae of the Pakaraima Mountains of Guyana. IV. New species forming a distinct lineage of *Lactarius* subg. *Plinthogalus*. *Mycologia* 115: 69–86.
117. CORREA DF, STEVENSON PR, UMAÑA MF, DE SOUZA COELHO L, …**HENKEL TW**, ET AL. 2022. Geographic patterns of tree dispersal modes in Amazonia and their ecological correlates. *Global Ecology and Biogeography*: doi.org/10.1111/geb.13596
116. CORRALES A, KOCH RA, VASCO-PALACIOS A, SMITH ME, GE ZW, **HENKEL TW**. 2022. Diversity and distribution of tropical ectomycorrhizal fungi. *Mycologia* 114: 919–933.
115. TEDERSOO L, MIKRYUKOV V, ZIZKA A, BAHRAM M, HAGH-DOUST N, **HENKEL TW**..ET AL. 2022. Endemicity and global change vulnerability of soil fungi. *Global Change Biology* 28: 6696–6710.

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114. HACKEL J, **HENKEL TW**, MOREAU PA, DE CROP E, VERBEKEN A, SÀ M, BUYCK B, NEVES MA, VASCO-PALACIOS A, WARTCHOW F, SCHIMANN H, CARRICONDE F, GARNICA S, COURTECUISSE R, GARDES M, MANZI S, LOUSIANNA E, ROY M. 2022. Biogeographic history of a large clade of ectomycorrhizal fungi, the Russulaceae, in the Neotropics and adjacent regions**.** *New Phytologist* 236: 698–713.
113. SAAR I, THORN RG, NAGASAWA E, **HENKEL TW**, COOPER J. 2022. A phylogenetic overview of *Squamanita* (Basidiomycota: Agaricales), with descriptions of nine new species and four new combinations. *Mycologia* 114: 769–797.
112. HAELEWATERS D, STALLMAN JK, **HENKEL TW**, AIME MC. 2022. Molecular phylogenetic analysis reveals synonymy of the enigmatic tropical discomycete *Polydiscidium* with *Sclerococcum* (Sclerococcales, Eurotiomycetes). *Mycologia* 114: 626–641.
111. MAGNAGO AC, ALVES-SILVA G, **HENKEL TW**, NEVES MA, SILVEIRA RB. 2022. New genera, species, and combinations of Boletaceae from Brazil and Guyana. *Mycologia* 114: 607–625.
108. *GOHAR D, PÕLDMAA K, TEDERSOO L, SAAR I, ASLANI F, **HENKEL TW**, FURNEAUX B, SMITH ME, BAHRAM M. 2022. Global diversity and distribution of mushroom-inhabiting bacteria. *Environmental Microbiology Reports* 14: 254–264.
107. TEDERSOO L, MIKRYUKOV V, ANSLAN S, …**HENKEL TW**, AND 90 OTHERS. 2021. The Global Soil Mycobiome consortium dataset for boosting fungal diversity research. *Fungal Diversity* 111: 573−588.
106. *DELEVICH C, KOCH RA, AIME MC, **HENKEL TW**. 2021. Ectomycorrhizal fungal community assembly on seedlings of a Neotropical monodominant tree. *Biotropica* 53: 1486–1497.
105. **HENKEL TW**, RYVARDEN L. 2021. A synopsis of the wood-decay genus *Laxitextum* (Hericiaceae, Russulales, Basidiomycota) and a new species from Cameroon. *Edinburgh Journal of Botany* 78: 1-9.
104. *MIGHELL KM, **HENKEL TW**, KOCH RA, CHIN ML, **BRANN M, AIME MC. 2020. *Amanita* in the Guineo-Congolian rainforest: new species and epitypes from the Dja Biosphere Reserve, Cameroon. *Mycologia* 113: 168–190.
103. TER STEEGE H, PRADO PI, DELIMA RAF, POS E,…**HENKEL TW**, AND 210 OTHERS. 2020. Biased-corrected richness estimates for the Amazonian tree flora. *Nature Scientific Reports* 10: 10130.
102. **HENKEL TW**, RYVARDEN L. 2020. Studies in African Aphyllophorales 39. Some polypores from Cameroon. *Synopsis Fungorum* 41: 16–18.
101. ROSSI W, DAS K, HEMBROM ME, SANTAMARIA S, PARIHAR A, GHOSH A, **HENKEL TW**, HOFSTETTER V, RADRIANJOHANY E, VIZZINI A, WANG XH, BUYCK B. 2020. *Cantharellus albidosquamosus* sp. nov. Pp. 74-78 in Fungal Diversity Profiles 91-100. *Cryptogamie Mycologie* 41: 69–107.
100. **HENKEL TW**, RYVARDEN L. 2020. Aphyllophorales of Africa 37. A note on the genus *Plicatura*. *Synopsis Fungorum* 40: 106–108.
99. LARGENT DL, **HENKEL TW**, SIEGEL N, SÉNÉ O, **HAGEMAN KM, KOCH RA, AIME MC. 2020. New species of *Entolomataceae* from Cameroon. *Fungal Evolution and Systematics* 5: 151–168.
98. *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* 18:1253–1262.
97. TER STEEGE H, **HENKEL TW**, HELAL N, MARIMON BS, MARIMON BH….AND 210 OTHERS. 2019. Rarity of monodominance in hyperdiverse Amazonian forests. *Nature Scientific Reports* 9: 13822.
96. **HENKEL TW**, MAYOR JR. 2019. Implications of a long-term mast seeding cycle for climatic entrainment, seedling establishment, and persistent monodominance in a Neotropical, ectomycorrhizal canopy tree. *Ecological Research* 34: 472–484.
95. *ELLIOTT TF, TRUONG C, SÉNÉ O, **HENKEL TW**. 2019. Animal-fungal interactions 3: First report of mycophagy by the African brush-tailed porcupine (*Atherurus africanus*). *Journal of Threatened Taxa* 11: 13415–13418.
94. BUYCK B, **HENKEL TW**, HOFSTETTER V. 2019. Epitypification of the Central African *Cantharellus densifolius* and *C. luteopunctatus* allows for the recognition of at least two additional species. *MycoKeys*

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48: 49–72.

93. ALLEN MF, TUTHILL DE, STATES J, WILLIAMS SE, **HENKEL TW**. 2019. In memoriam: Martha Christensen, 1932−2017. *Mycologia* 111: 190–193.
92. *MIGHELL KS, **HENKEL TW**, KOCH RA, **GOSS A, AIME MC. 2019. New species of *Amanita* subgen. *Lepidella* from Guyana. *Fungal Evolution and Systematics* 3: 1–12.
91. DAVOODIAN N, BERGMANN SE, HOSAKA K, RASPÉ O, BOUGHER NL, FECHNER NA, **HENKEL TW**, GELARDI M, SOYTONG K, NASEER A, ORTIZ-SANTANA B, BARONI TJ, NAGASAWA E, SMITH ME, HALLING RE. 2018. A global view of *Gyroporus*: molecular phylogenetics, diversity patterns, and new species. *Mycologia* 110: 985–995.
90. BUYCK B, **HENKEL TW**, HOFSTETTER V. 2018. The *Cantharellus isabellinus* complex in tropical Africa. *Mycosphere* 9: 1209–1221.
89. CORRALES A, **HENKEL TW**, SMITH ME. 2018. Ectomycorrhizal associations in the tropics – biogeography, diversity patterns, and ecosystem roles. *New Phytologist* 220: 1076–1091.
88. *MAGNAGO AC, **HENKEL TW**, NEVES MA, BORGES DA SILVEIRA RM. 2018. *Singerocomus atlanticus* sp. nov., and a first record for *Singerocomus rubriflavus* for Brazil. *Acta Brasilica Botanica* 32: 222–231.
87. GOMES VF, IJFF SD, RAES N, AMARAL IL,…**HENKEL TW**, AND 125 OTHERS. 2018. Species Distribution Modelling: Contrasting presence-only models with plot abundance data. *Nature Scientific Reports* 8:1003
86. *KEPLER RM, LUANGSA-ARD JJ, HYWEL-JONES NL, QUANDT CA, SUNG GH, REHNER SA, AIME MC, **HENKEL TW**, SANJUAN T, ZARE R, CHEN M, ROSSMAN AY, SPATAFORA JW, SHRESTHA B. 2017. A phylogenetic-based nomenclature for *Cordycipitaceae* (*Hypocreales*). *IMA Fungus* 8: 335–353.
85. MATHENY PB, **HENKEL TW**, SÉNÉ O, **KOROTKIN HB, DENTINGER BTM, AIME MC. 2017. New species of *Auritella* (Inocybaceae) from Cameroon. *IMA Fungus* 8: 287–298.
83. GARBELOTTO M, *FRIEDMAN M, *BEDELL W, **HENKEL TW**. 2017. First report of *Heterobasidion occidentale* on *Sequoia sempervirens* in Northern California. *Plant Disease* 101: 2152.
83. SMITH ME, **HENKEL TW**, *WILLIAMS G, AIME MC, VILGALYS R. 2017. Investigating niche partitioning of ectomycorrhizal fungi in specialized rooting zones of the monodominant leguminous tree *Dicymbe corymbosa*. *New Phytologist* 215: 443–453.
82. *LEVIS C, COSTA FRC, BONGERS F, PEÑA-CLAROS M,…**HENKEL TW**,..AND 125 OTHERS. 2017. Persistent effects of Pre-Columbian plant domestication on Amazonian forest composition. *Science* 355: 925–931.
81. *KOCH RA, WILSON AW, SÉNÉ O, **HENKEL TW**, AIME MC. 2017. Resolved phylogeny and biogeography of the root pathogen *Armillaria* and its gasteroid relative, *Guyanagaster*. *BMC Evolutionary Biology* 17: 33.
80. CASTELLANO MA, **ELLIOTT TF, TRUONG C, SÉNÉ O, DENTINGER BTM, **HENKEL TW**. 2016. *Kombocles bakaiana* gen. sp. nov. (*Boletaceae*), a new sequestrate fungus from Cameroon. *IMA Fungus* 7: 239–245.
79. BUYCK B, **HENKEL TW**, DENTINGER BTM, SÉNÉ O, HOFSTETTER V. 2016. Multigene sequencing provides a suitable epitype, barcode sequences and a precise systematic position for the enigmatic, African *Cantharellus miniatescens*. *Cryptogamie Mycologie* 37: 269–282.
78. *SANCHEZ-GARCIA M, **HENKEL TW**, AIME MC, SMITH ME, MATHENY PB. 2016. *Guyanagarika*, a new ectomycorrhizal genus of Agaricales from the Neotropics. *Fungal Biology* 120: 1540–1553.
77. *GRUPE AC, *VASCO-PALACIOS AM, SMITH ME, BOEKHOUT T, **HENKEL TW**. 2016. *Sarcodon* in the Neotropics II: four new species from Colombia, and a key to the regional species. *Mycologia* 108: 791–805.
76. **LODGE TM, **ELLIOTT TF, **HENKEL TW**. 2016. *Chelonoidus denticulata* (yellow-footed tortoise) – diet. *Herpetological Review* 47: 443.
75. **HENKEL TW**, KELLOFF CL, ALEXANDER SN, FUNK VA. 2016. Smithsonian Plant Collections, Guyana: 1992–2014, Terry W. Henkel. *Smithsonian Contributions to Botany* 104:1–206.

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74. CASTELLANO MA, DENTINGER BTM, SÉNÉ O, **ELLIOTT TF, TRUONG C, **HENKEL TW**. 2016. New *Elaphomyces* species (Elaphomycetaceae, Eurotiales, Ascomycota) from tropical rainforests of Cameroon and Guyana. *IMA Fungus* 7: 59–73.
73. **HENKEL TW,** OBASE K, *HUSBANDS D, *UEHLING JK, BONITO G, AIME MC, SMITH ME. 2016. New boletes from Guyana: *Binderoboletus segoi* gen. et sp. nov., *Guyanaporus albipodus* gen. et sp. nov., *Singerocomus rubriflavus* gen. et sp. nov., and a new combination for *Xerocomus inundabilis*. *Mycologia* 108: 157–173.
72. TER STEEGE H, PITMAN NCA, KILLEEN TJ, LAURANCE WF,….**HENKEL TW**, AND 125 OTHERS. 2015. Estimating the global conservation status of over 15,000 Amazonian tree species. *Science Advances* 1: e15000936.
71. SMITH ME, **AMSES K, **ELLIOTT T, AIME MC, **HENKEL TW**. 2015. New sequestrate fungi from Guyana: *Jimtrappea guyanensis* gen. sp. nov., *Castellanea pakaraimophila* gen. sp. nov., and *Costatisporus cyanescens* gen. sp. nov. (Boletaceae, Boletales). *IMA Fungus* 6: 263–283.
70. *HARROWER E, BOUGHER N, **WINTERBOTTOM C, **HENKEL TW**, HORAK E, MATHENY PB. 2015. New species in *Cortinarius* section *Cortinarius* (Agaricales) from the Americas and Australasia. *MycoKeys* 11: 1–21.
69. *HARROWER E, BOUGHER N, **HENKEL TW**, HORAK E, MATHENY PB. 2015. Long-distance dispersal and speciation of Australasian and American species of *Cortinarius* sect. *Cortinarius*. *Mycologia* 107: 697–709.
68. *GRUPE AC, BAKER AD, *UEHLING JK, BARONI TJ, LODGE DJ, **HENKEL TW**. 2015. *Sarcodon* in the Neotropics I. New species from Guyana, Puerto Rico, and Belize. *Mycologia* 107: 591–606.
67. MAYOR JR, BAHRAM M, **HENKEL TW**, BUEGGER F, PRITSCH K, TEDERSOO L. 2015. Ectomycorrhizal impacts on plant nitrogen nutrition: emerging isotopic patterns, latitudinal variation, and possible mechanisms. *Ecology Letters* 18: 96–107.
66. TEDERSOO L, BAHRAM M, POLME S, …**HENKEL T**,….AND 52 OTHERS. 2014. Global diversity and geography of soil fungi. *Science* 346: 1256688.
65. SMITH ME, **HENKEL TW**, ROLLINS JA. 2014. How many fungi make sclerotia? *Fungal Ecology* 13: 211–220.
64. **HENKEL TW**, AIME MC, LARGENT DL, BARONI TJ. 2014. The Entolomataceae of the Pakaraima Mountains of Guyana VI: Ten new species and one combination in *Nolanea*. *Mycotaxon* 129: 119–148.
63. **HENKEL TW**, WILSON AW, AIME MC, DIERKS J*, UEHLING JK, ROY M, SCHIMANN H, WARTCHOW F, MUELLER GM. 2014. Cantharellaceae of Guyana II. New species of *Craterellus*, new South American records for *Cantharellus guyanensis* and *Craterellus excelsus*, and a key to the Neotropical taxa. *Mycologia* 106: 307–322.
62. TER STEEGE H, PITMAN N, SABATIER D, …**HENKEL TW**, AND 125 OTHERS. 2013. Hyperdominance in the Amazonian tree flora. *Science* 342: 1243092.
61. *HUSBANDS DR, **HENKEL TW**, BONITO G, SMITH ME. 2013. New species of *Xerocomus* (Boletales) from the Guiana Shield, with notes on their ectomycorrhizal status and fruiting occurrence. *Mycologia* 105: 422–435.
60. SMITH ME, **HENKEL TW**, *UEHLING JK, FREMIER AK, CLARKE HD, VILGALYS R. 2013. The ectomycorrhizal fungal community in a Neotropical forest dominated by the endemic dipterocarp *Pakaraimaea dipterocarpacea*. *PLoS ONE* 8: e55160
59. *UEHLING JK, **HENKEL TW**, AIME MC, VILGALYS R, SMITH ME. 2012. New species and distribution records for *Clavulina* (*Cantharellales, Basidiomycota*) from the Guiana Shield, with a key to the lowland Neotropical taxa. *Fungal Biology* 116: 1263–1274.
58. WILSON AW, AIME MC, **DIERKS J, MUELLER GM, **HENKEL TW**. 2012. Cantharellaceae of Guyana I. New species, distribution records, and a synopsis of known taxa. *Mycologia* 104: 1466–1477.
57. MILLER SL, AIME MC, **HENKEL TW**. 2012. Russulaceae of the Pakaraima Mountains of Guyana. III. New species of *Russula* and *Lactifluus. Mycotaxon* 121: 233–253.

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56. KENNEDY P, MATHENY PB, RYBERG M, **HENKEL TW**, *UEHLING JK, SMITH ME. 2012. Scaling up: examining the macroecology of ectomycorrhizal fungi. *Molecular Ecology* 21: 4151–4154.
55. *UEHLING JK, **HENKEL TW**, VILGALYS R, SMITH ME. 2012. *Membranomyces* species are common ectomycorrhizal symbionts across the Northern Hemisphere. *Mycorrhiza* 22: 577–581.
54. TEDERSOO L, BAHRAM M, TOOTS M, DIEDHIOU AG, **HENKEL TW**, KJØLLER R, MORRIS MH, NARA K, NOUHRA E, PEAY KG, PÕLME S, RYBERG M, SMITH ME, KÕLJALG U. 2012. Towards global patterns in the diversity and community structure of ectomycorrhizal fungi. *Molecular Ecology* 21: 4160–4170.
53. CASTELLANO M, **HENKEL TW**, MILLER SL, AIME MC. 2012. Two new *Elaphomyces* species (Elaphomycetaceae, Eurotiales, Ascomycota) from Guyana associated with Caesalpinioideae (Fabaceae, Fabales). *Mycologia* 104: 1244–1249.
52. **HENKEL TW**, AIME MC, CHIN M, MILLER SL, VILGALYS R, SMITH ME. 2012. Ectomycorrhizal fungal sporocarp diversity and discovery of new taxa in *Dicymbe* monodominant forests of the Guiana Shield. *Biodiversity and Conservation* 21: 2195–2220.
51. MATHENY PB, AIME MC, SMITH ME, **HENKEL TW**. 2012. New species and records for *Inocybe* (Agaricales) from Guyana. *Kurtziana* 37: 23–39.
50. *UEHLING JK, **HENKEL TW**, AIME MC, SMITH ME. 2012. New species of *Clavulina* with effused or resupinate basidiomata from the Guiana Shield. *Mycologia* 147: 547–556.
49. SMITH ME, **HENKEL TW**, AIME MC, FREMIER AK, VILGALYS R. 2011. Ectomycorrhizal fungal diversity and community structure on three co-occurring leguminous canopy tree species in a Neotropical rainforest. *New Phytologist* 192: 699–712.
48. *HAWKINS AE, **HENKEL TW**. 2011. Native forest pathogens may facilitate persistence of Douglas-fir in old-growth forests of Northwestern California. *Canadian Journal of Forest Research* 41: 1256–1266.
47. **HENKEL TW**, AIME MC, *UEHLING JK, SMITH ME. 2011. New species and distribution records for *Clavulina* from the Guiana Shield. *Mycologia* 103: 883–894.
46. **HENKEL TW**, AIME MC, LARGENT DL, BARONI TJ. 2010. The Entolomataceae of the Pakaraima Mountains of Guyana V: new species of *Alboleptonia*. *Mycotaxon* 114: 115–126.
45. *DENTINGER BTM, AMMIRATI JF, BOTH EE, DESJARDIN DE, HALLING RE, **HENKEL TW**, MOREAU PA, NAGASAWA E, SOYTONG K, TAYLOR AF, WATLING R, MONCALVO JM, MCLAUGHLIN DJ. 2010. Molecular phylogenetics of porcini mushrooms (*Boletus* section *Boletus*). *Molecular Phylogenetics and Evolution* 57: 1276–1292
44. **HENKEL TW**, SMITH ME, AIME MC. 2010. *Guyanagaster,* a new wood-decaying sequestrate fungal genus related to *Armillaria* (Physalacriaceae, Agaricales, Basidiomycota). *American Journal of Botany* 97: 1474–1484.
43. AIME MC, LARGENT DL, **HENKEL TW**, BARONI TJ. 2010. The Entolomataceae of the Pakaraima Mountains of Guyana IV: new species of *Calliderma, Paraeccilia* and *Trichopilus*. *Mycologia* 102: 633–649.
42. *NEVES MA, **HENKEL TW**, HALLING RE. 2010. *Phylloporus colligatus*, a new species of gilled bolete from Guyana. *Mycotaxon* 111: 143–148.
41. *FULGENZI TD, HALLING RE, **HENKEL TW.** 2010. *Fistulinella cinereoalba* sp. nov. and new distribution records for *Austroboletus* from Guyana. *Mycologia* 102: 224–232.
40. **HENKEL TW**, AIME MC, LARGENT DL, BARONI TJ. 2010. The Entolomataceae of the Pakaraima Mountains of Guyana III: New species of *Rhodocybe*. *Mycoscience* 51: 23–27.
39. **HENKEL TW**, AIME MC, **MEHL HK. 2009. *Craterellus excelsus* sp. nov. from Guyana. *Mycotaxon* 107: 201–208.
38. *DEGAGNE RS, **HENKEL TW**, STEINBERG SJ, FOX L. 2009. Identifying *Dicymbe corymbosa* monodominant forests in Guyana using satellite imagery. *Biotropica* 41: 7–15.
37. *MAYOR JR, SCHUUR EAG, **HENKEL TW**. 2009. Elucidating the nutritional dynamics of fungi using stable isotopes. *Ecology Letters* 12: 171–183.
36. BIDARTONDO M, BRUNS TD, BLACKWELL M,…..**HENKEL TW**, ….AND OTHERS. 2008. Preserving

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accuracy on GenBank. *Science* 319: 1616.

35. LODGE DJ, LAESSOE T, AIME MC, **HENKEL TW**. 2008. Montane and cloud forest specialists among neotropical *Xylaria* species. *North American Fungi* 3: 193–213.
34. *MAYOR JR, *FULGENZI TD, **HENKEL TW**, HALLING RE. 2008. *Boletellus piakaii* sp. nov. and a new distribution record for *Boletellus ananas* var. *ananas* from Guyana. *Mycotaxon* 105: 387–398.
33. LARGENT DL, AIME MC, **HENKEL TW**, BARONI TJ. 2008. The Entolomataceae of the Pakaraima Mountains of Guyana II: *Inocephalus dragonosporus* comb. nov. *Mycotaxon* 105: 185–189.
32. *FULGENZI TD, *MAYOR JR, **HENKEL TW**, HALLING RE. 2008. New species of *Boletellus* from Guyana. *Mycologia* 100: 490–495.
31. MCGUIRE KL, **HENKEL TW**, DE LA CERDA I. 2008. Dual mycorrhizal colonization of forest-dominating tropical trees and the mycorrhizal status of non-dominant tree and liana species. *Mycorrhiza* 18: 217–22.
30. LARGENT DL, **HENKEL TW**, AIME MC, BARONI TJ. 2008. The Entolomataceae of the Pakaraima Mountains of Guyana. I. Four new species of *Entoloma* s.str. *Mycologia* 100: 132–140.
29. *WOOLLEY LP, **HENKEL TW**, SILLETT SC. 2008. Reiteration in the tropical monodominant tree *Dicymbe corymbosa* (Caesalpiniaceae) and its potential adaptive significance. *Biotropica* 40: 32–43.
28. HUGHES KW, PETERSEN RH, MATA JL, PSURTSEVA NV, KOVALENKO AE, MOROZOVA OV, LICKEY EB, CIFUENTES BLANCO J, NAGASAWA E, HALLING RE, TAKEHASHI S, AIME MC, BAU T, **HENKEL TW**. 2007. *Megacollybia* (Agaricales). *Report of the Tottori Mycological Institute* 45: 1–57.
27. *FULGENZI TD, **HENKEL TW**, HALLING RE. 2007. *Tylopilus orsonianus* sp. nov. and *Tylopilus eximius* from Guyana. *Mycologia* 99: 622–627.
26. AIME MC, RYVARDEN L, **HENKEL TW**. 2007. Studies in Neotropical polypores 22. Additional new and rare species from Guyana. *Synopsis Fungorum* 23: 15–31.
25. **HENKEL TW**, AIME MC, **MEHL HK, MILLER SL. 2006. *Cantharellus pleurotoides*, a new and unusual basidiomycete from Guyana. *Mycological Research* 110: 1409–1412.
24. **HENKEL TW**, JAMES TY, MILLER SL, AIME MC, MILLER OK JR. 2006. The mycorrhizal status of *Pseudotulostoma volvata* (Elaphomycetaceae, Eurotiales, Ascomycota). *Mycorrhiza* 16: 241–244.
23. **HENKEL TW**, **MESZAROS R, AIME MC, **KENNEDY A. 2005. New species of *Clavulina* from the Pakaraima Mountains of Guyana. *Mycological Progress* 4: 342–350.
22. *MAYOR JR, **HENKEL TW**. 2005. Do ectomycorrhizas alter leaf-litter decomposition in tropical monodominant forests of Guyana? *New Phytologist* 169: 579–588.
21. **HENKEL TW**, *MAYOR JR, *WOOLLEY LP. 2005. Mast fruiting and seedling survival of the ectomycorrhizal, monodominant *Dicymbe corymbosa* (Caesalpiniaceae) in Guyana. *New Phytologist* 167: 543–556.
20. HERNANDEZ JR, AIME MC, **HENKEL TW**. 2005. The rust fungi (Uredinales) of Guyana. *Sydowia* 57: 189–222.
19. **HENKEL TW**. 2005. Parakari, an indigenous fermented cassava beverage utilizing amylolytic *Rhizopus* in Guyana. *Mycologia* 97: 1–11.
18. WOOD WF, LARGENT DL, **HENKEL TW**. 2004. Headspace analysis identifies indole and 1-octen-ol as the "coal tar" odor of *Tricholoma inamoenum*. *Mycological Progress* 4: 325–328.
17. **HENKEL TW**, AIME MC, CHIN M, ANDREW C. 2004. Edible mushrooms from Guyana. *The Mycologist* 18: 104–111.
16. **HENKEL TW**, ROBERTS P, AIME MC. 2004. Sebacinoid species from the Pakaraima Mountains of Guyana. *Mycotaxon* 89: 433–439.
15. MILLER SL, **HENKEL TW**. 2004. Biology and molecular ecology of subiculate *Lactarius* species from Guyana. *Memoirs of the New York Botanical Garden* 89: 297–312.
14. *THACKER J, **HENKEL TW**. 2004. New species of *Clavulina* from Guyana. *Mycologia* 96: 650–657.
13. **HENKEL TW**. 2003. Monodominance in the ectomycorrhizal *Dicymbe corymbosa* (Caesalpiniaceae) from Guyana. *Journal of Tropical Ecology* 19: 417–437.

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12. MATHENY PB, AIME MC, **HENKEL TW**. 2003. New species of *Inocybe* from *Dicymbe* forests of Guyana. *Mycological Research* 107: 495–505.
11. AIME MC, **HENKEL TW**, RYVARDEN L. 2003. Studies in neotropical polypores 15. New and interesting species from Guyana. *Mycologia* 95: 614–619.
10. **HENKEL TW**, TERBORGH J, VILGALYS R. 2002. Ectomycorrhizal fungi and their leguminous hosts in the Pakaraima Mountains of Guyana. *Mycological Research* 106: 516–532.
9. MILLER SL, AIME MC, **HENKEL TW**. 2002. The Russulaceae of the Pakaraima Mountains of Guyana. I. New species of pleurotoid *Lactarius. Mycologia* 94: 545–553.
8. *SIMMONS C, **HENKEL TW**, BAS C. 2002. The genus *Amanita* in the Pakaraima Mountains of Guyana. *Persoonia* 17: 563–582.
7. **HENKEL TW**. 2001. *Tylopilus pakaraimensis* sp. nov., a new bolete in *Tylopilus* section *Potamogetones* from Guyana. *Mycotaxon* 78: 105–114.
6. MILLER, OK JR, **HENKEL TW**, JAMES TY, MILLER SL. 2001. *Pseudotulostoma*, a new genus in the Elaphomycetaceae from Guyana. *Mycological Research* 105: 1268–1272.
5. *THACKER JR, **HENKEL TW**, VILGALYS R. 2001. Extreme morphological variability among sympatric neotropical species of *Clavulina* and *Craterellus*. *Phytopathology* 91(6 suppl.): S125
4. **HENKEL TW**, AIME MC, MILLER SL. 2000. Systematics of pleurotoid Russulaceae from Guyana and Japan, with notes on their ectomycorrhizal status. *Mycologia* 92: 1119–1132.
3. **HENKEL TW**. 1999. New taxa and distribution records for *Tylopilus* from *Dicymbe* forests of Guyana. *Mycologia* 91: 655–665.
2. CHRISTENSON EA, **HENKEL TW**. 1996. Orchid habitats: *Phragmipedium klotzscheanum. American Orchid Society Bulletin* 64: 1100–1101.
1. **HENKEL TW**, SMITH WK, CHRISTENSEN M. 1989. Infectivity and effectivity of indigenous vesicular arbuscular mycorrhizal fungi from contiguous soils in southwestern Wyoming, USA. *New Phytologist* 112: 205–214.

Works in Preparation

1. **HENKEL TW**, CHIN ML, SÉNÉ O, SIEGEL N, BUYCK B. Ectomycorrhizal fungi of the Dja Biosphere Reserve, Cameroon. *Edinburgh Journal of Botany (in prep)*
2. ALVAREZ-MANJARREZ J, *DUNCAN A, **HENKEL TW**. Novelties in *Thelephora* from Guyana - new species and the first description of aerial ectomycorrhizas. *Phytotaxa (in prep)*
3. KOCH RA, **HENKEL TW**, CHIN ML, DENTINGER BTM, AIME MC. Comparative diversity of ectomycorrhizal fungi from tropical monodominant forests of the Guiana Shield and Central Africa. *Nature Ecology & Evolution*
4. LEDFORD CW, HENKEL TW. New Amanita species from the Central Guiana Shield. *Mycologia (in prep)*
5. **HENKEL TW**, MAYOR J. Twenty seven years of *Dicymbe* masting – what have we learned? *Journal of Ecology (in prep)*

External Funding:

2023. Modernization of Cal Poly Humboldt fungal collections. California Biodiversity Institute, **awarded, $5,000**
2022. Comparative macrofungal diversity of the Guiana Shield and Central Africa. PI; National Geographic Society's Level II Exploration Grant (not funded)
2016-2020. Collaborative Research: Diversity and evolution of ectomycorrhizal fungi of the Guineo-Congolian rainforest. PI; NSF-DEB Biodiversity: Discovery and Analysis, **awarded, $498,600**
2015. Preproposal. Diversity and evolution of ectomycorrhizal fungi of the Guineo-Congolian rainforest. PI; NSF-DEB Biodiversity: Discovery and Analysis (approved for full proposal)

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2014. Preproposal. Diversity and evolution of ectomycorrhizal fungi of the Guineo-Congolian rainforest. PI; NSF-DEB Biodiversity: Discovery and Analysis (submitted Jan. 2015)
2014. Collaborative Research: Diversity and evolution of ectomycorrhizal fungi of the Guineo-Congolian rainforest. PI; NSF-DEB Biodiversity: Discovery and Analysis (not funded)
2014. Collaborative Research: Diversity and evolution of ectomycorrhizal fungi of the Guineo-Congolian rainforest. PI; NSF-DEB Biodiversity: Discovery and Analysis ($477,080, submitted July 2014)
2014. Preproposal. Diversity and evolution of ectomycorrhizal fungi of the Guineo-Congolian rainforest. PI; NSF-DEB Biodiversity: Discovery and Analysis (approved for full proposal)
2013. Collaborative Research: Diversity and evolution of ectomycorrhizal fungi of the Guineo-Congolian rainforest. PI; NSF-DEB Biodiversity: Discovery and Analysis (not funded)
2013. Collaborative Research: Diversity and evolution of ectomycorrhizal fungi of the Guineo-Congolian rainforest. PI; NSF-DEB Biodiversity: Discovery and Analysis ($445,045, submitted Aug. 2013)
2013. Diversity of ectomycorrhizal fungi of the Guineo-Congolian rainforest. PI; National Geographic Society's Committee for Research and Exploration, **awarded, $17,779**
2013. Preproposal. Diversity and evolution of ectomycorrhizal fungi of the Guineo-Congolian rainforest. PI; NSF-DEB Biodiversity: Discovery and Analysis, (approved for full proposal)
2009-2012. Collaborative Research: Ectomycorrhizal fungal diversity of the central Guiana Shield. PI; NSF-DEB Biotic Surveys and Inventories, **awarded, $320,049**
2008. Collaborative Research: Ectomycorrhizal fungal diversity of the central Guiana Shield. PI; NSF-DEB Biotic Surveys and Inventories, $253,359 (not funded; panel rating: Superior)
2008. Collaborative Research: Inventory of macrofungi from three US National Parks: an integrated approach to building scientific infrastructure and public training in mycology. Co-PI; NSF-DEB Biotic Surveys and Inventories, $362,717 (not funded)
2008. Species diversity of macrofungi in the Pakaraima Mountains of Guyana. PI; National Geographic Society's Committee for Research and Exploration, **awarded, $18,330**
2006. Identifying and estimating distribution of monodominant *Dicymbe corymbosa* forests in Guyana with Landsat satellite imagery and GIS. Federal Work Study Graduate Research Award, $5,000
2004. Species diversity of macrofungi in the Pakaraima Mountains of Guyana. Linnaean Society of London, $1,200
2003. Species diversity of macrofungi in rain forests of western Guyana. PI; National Geographic Society's Committee for Research and Exploration, **awarded, $19,840**
2002. Macromycete survey in the Pakaraima Mountains of Guyana. Smithsonian Institution's Biological Diversity of the Guianas Program, $3,000.00
2002. Fungal survey of the Arcata Community Forest. City or Arcata, CA, $6,000
2000. Biological diversity of ectomycorrhizal fungi in the neotropical forests of Guyana. PI; National Geographic Society, Committee for Research and Exploration, **awarded, $19,960**
1998/99: Smithsonian Institution, Biological Diversity of the Guianas Program. Field Research Grants (2), $7,000

Internal Funding

2023. Curation of tropical macrofungal specimens. Work-study graduate student grant (Monika Richardson), Cal Poly Humboldt, $2,307.
2020. Curation of tropical macrofungal specimens. Work-study graduate student grant (Caitlyn Allchin and Sarah Norvell), Humboldt State University, $2,270.
2017. Curation of neotropical macrofungal specimens. Work-study graduate student grant (Kennan Mighell and Carolyn Delevich), Humboldt State University, $2,941.
2016. Curation of neotropical macrofungal specimens. Work-study graduate student grant (Kennan Mighell), Humboldt State University, $2,941.
2014. Curation of neotropical macrofungal specimens. Work-study graduate student grant (Katie Jumper), Humboldt State University, $3,750.

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2013. Curation of neotropical macrofungal specimens. Work-study graduate student grant (Katie Jumper), Humboldt State University, $2,500.
2012. Curation of neotropical macrofungal specimens. Work-study graduate student grant (Arthur Grupe & Nikos Najarian), Humboldt State University, $5,000.
2011. Curation of neotropical macrofungal specimens. Work-study graduate student grant (Jessie Uehling), Humboldt State University, $5,000. President's Scholars Fund for Research Dissemination (2), Humboldt State University, $2,000.
2006. Estimation of ectomycorrhizal fungal biomass in a monodominant tropical forest. RSCA Grant, Humboldt State University, $3,305
2005. Remote sensing estimation of *Dicymbe corymbosa* forest cover in the Pakaraima Mountains of Guyana. RSCA Grant, Humboldt State University, $1,250
2004. Determination of toxins from newly discovered *Amanita* species of Guyana. RSCA Grant, Humboldt State University, $3,775
2003. Comparative litter decomposition rates in monodominant *Dicymbe* forest and adjacent mixed rain forest in the Pakaraima Mountains of Guyana. Small Grant, Humboldt State University, $900
2002. Ectomycorrhizal and saprotrophic macromycetes from the Pakaraima Mountains of Guyana. RSCA Grant, Humboldt State University, $2,450
2002. Invited Speaker's Award to attend the VII International Mycological Congress, Oslo, Norway. Tropical Mycology Symposium Committee, $5,000
2000/01. A. W. Mellon Foundation, Plant Systematics Training Program, Duke University Graduate Fellowship. $12,000
1998/00. A. W. Mellon Foundation, Plant Systematics Training Program, Duke University. Grants (3), field work, $4,500
2000. British Mycological Society, Travel Award for Tropical Mycology Symposium.
1999/00. Graduate School, Duke University. Grants (2), field work. $4,000
1997. Center for International Studies, Duke University. Field Grant. $2,000
1985. Industrial Fund, University of Wyoming. Field Research Grant, Masters Program. $5,000

Awards

2014-2015. Sabbatical leave, Humboldt State University.
2012. Scholar of the Year, Humboldt State University.
2007-2008. Sabbatical leave, Humboldt State University.
2005. McCrone Promising Faculty Scholar Award, Humboldt State University

Courses

Humboldt State University (lecture + lab in most cases):
Biology of Ascomycetes and Basidiomycetes (Spring 2002-2020, 2021-22 online, 2023-25), Biology of Microfungi (Spring 2003, Fall 2005-2016, 2018-2019; 2020-21 online, 2022-25); Forest Pathology (Fall 2002; Spring 2004, 2006; Fall 2010, 2012, 2015, 2018, 2020-21 online, 2023-25), Biology of Fleshy Fungi (Fall 2002, 2004, 2006, 2008-2009, 2013, 2017, 2019, 2022, 2024), General Botany (Spring 2002-2003, 2005; Fall 2003, 2005, 2024-25 lab), Tropical Ecology Seminar (Spring 2004, 2006; Fall 2011; Spring 2014, 2021 online, Spring 2024), Biodiversity of Dead Wood Seminar (Spring 2024). Tropical Biology (Fall 2004), Plants and Civilization (Spring 2007; 2009; 2013; 2014; 2016; 2019; 2021-22 online, 2023-24; Summer 2014, 2021-24 online), Life Sciences and the Environment Freshman Seminar (Fall 2003)

University of Guyana: Field Mycology Workshop, 8-11 Jan. 2010, Pibiri Field Station, Mabura Hill, Guyana.
Iwokrama Rainforest Reserve, Guyana: Field Mycology Workshop, 8-11 Jan. 2011, Iwokrama Field Station, Iwokrama, Middle Essequibo, Guyana.

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Other Courses: Mycology (lab TA), Introductory Biology/Botany (lab TA), Duke University & University of Wyoming

Graduate Students

Casey Ledford (2024-). Systematics of tropical Amanitaceae.
Monika Richardson (2023-26). *Pinus*-associated ectomycorrhizal fungi of the California North Coast.
Caitlyn Allchin (2020-24). Conservation biology of the endangered Lassics lupine, a California serpentine-endemic.
Sarah Conway (2020-2023). Lichen diversity of the Horse Mountain Botanical Area, Six Rivers National Forest, CA.
Kennan Mighell (2016-2020). Systematics of tropical Amanitaceae.
Carolyn Delevich (2016-2019). Seedling mycorrhizal dynamics in tropical monodominant forests.
Arthur Grupe (2013-2015). Systematics of *Sarcodon* (Bankeraceae. Thelephorales) in the Neotropics.
Jessie Uehling (2010-2012). Systematics of Clavulinaceae from the Guiana Shield.
Ashley Hawkins (2007-2009). Ecological dynamics of wood-decay fungi in late-seral forests of the Northern California Coast Range.
Tara Fulgenzi (2007-2009). Systematics of Boletaceae from the Guiana Shield.
Lance P. Woolley (2005-2006). Reiterative growth in the monodominant Neotropical tree *Dicymbe corymbosa* (*Caesalpiniaceae*) and its potential adaptive significance.
Jordan R. Mayor (2004-2005). Ectomycorrhizal influence in leaf litter decomposition in a monodominant *Dicymbe* forest in Guyana.

Undergraduate Thesis Research

Alex McIntosh, Connor Nutting, Justin Paulin (2026), Ansel Duncan, Charlie Wheat (2025), Justin Harden, Ansel Duncan, Aidan Kraiker, Neva Titus, Jovanni Villasenor, Casey Ledford (2024), Noah Lindeman, Brooke Morrow, Savannah Porter, Brionna Spencer (2021), Ben Hall, Nathan Warner, Steve Torgerson, Phoebe Hughes, Courtney Harris, Amaris Clark (2020), Ian Cullimore, Kylie Mack, Hannah Suli, Byron Valdez, Ryan Starbuck, Ben Tinkham (2019), Andrea Goss, Kale McNeill, Scott Williams (2018), Alex Gorman, Ian McCowen, Chris Tominello-Ramirez (2017), Katie Herron, Alex Gorman, Jonathan Summers, Georgia Hamer, Andrea Goss, Nancy Palmer (2016), Rafael Abrams, Isaac Mikus (2014), Kevin Amses, Shawna Faulkner, Jennifer Lenstrom, Robert Straser, Katrina Suarez, Rebecca Manion, Brian Hodge, Alix Aceituno, Nate Kimari, Shawnee Gowan, Joseph Saler (2013), Shawnee Gowan, Evelyn Miller, Artie Saldana, Madelinn Schriver, Malia Williams (2012), Gabe Cashman, Dan Thompson, Erica Porter, Patrick Bennett, Arthur Grupe II, Allison Clark, Andrea Keating, Jessica Wilson (2011), Jacob Pressey, Michael Black, Geoff Bale (2010), Thomas Walker, Erielle Laniewski, Andrew Byers, Michael Mashore, Emily Greenspan (2009), Ben Hart, Ben McMurray (2008), Meghan Sherman, Brian Robison (2007), Luke Henault, Teresa Stoepler, Marisa Alvarado, Dan Cooke, Heather Mehl, Stuart Richardson, Laurel Goldsmith (2006), Yohei Shiraishi, Emmalien Bout (2005), Clydecia McClure (University of Guyana), Ashley Hawkins, Louis Kennedy, Ryan Meszaros, Matt Lau, Gina Radieve (2004), Nobukatsu Hasebe, Lance Woolley, Guerin White (2003), Scott Toland (2002)

Service

Greenhouse Coordinator Search Committee, Biological Sciences, Cal Poly Humboldt (2026)
Lecturer Evaluation Committee, Biological Sciences, Cal Poly Humboldt (2023-current)
Executive Editor, *Mycologia* (2022-current)
Scientific Advisor, Humboldt Bay Mycological Society (2022-current)

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Search Committee, Plant Physiologist tenure track position, Biological Sciences (2022), Humboldt State University
Search Committee, Phycologist tenure track position, Biological Sciences (2022), Humboldt State University
Botany Greenhouse Committee (2021-current)
Botany Awards Committee (chair, 2019-current)
Search Committee, Plant Systematist tenure track position, Biological Sciences (2019-2020), Humboldt State University
Personnel Committee for Tenure and Promotion, CNRS (2012-2014; 2015-2017-Chair), Humboldt State University
Associate Editor, *Mycologia* (2013-2016)
Ecology Councilor, Mycological Society of America (2011-2013)
Biodiversity Committee, Mycological Society of America (2005-2011)
Ecology Committee (former chair), Mycological Society of America (2001-2007)
Academic Senate, CNRS representative, Humboldt State University (2005-2007)
Personnel Committee, Chair (2008-2012), Graduate Advisory Committee (2002-2007), Master's Grant Committee (2004-2006), Plant Morphology Search Committee (2005), Dept. of Biological Sciences, Humboldt State University
Graduate student representative, Mellon Training Program in Plant Systematics, Duke Department of Biology (1999-2001)

Manuscript peer reviews: Mycologia (18), Mycotaxon (6), Mycological Progress (6), Mycological Research (4), Journal of Tropical Ecology (4), New Phytologist (3), Mycorrhiza (3), Fungal Ecology (3), Biodiversity and Conservation (3), Mycokeys (3), Biotropica (2), Fungal Systematics and Evolution (3), American Journal of Botany (1), Austral Ecology (1), Nova Hedwigia (1), PLoS ONE (2), Cryptogamie Mycologie (2), Cladistics (1), Proc. Second Conference on Klamath-Siskiyou Ecology (1), Ecology (1), Ecology Letters (1), Kew Bulletin (1), Ecological Monographs (1), IMA Fungus (2), ISME Journal (1), Nova Hedwigia (1), Plant Ecology and Evolution (1), Journal of Ethnobiology (1), Systematics and Biodiversity (1), Biodiversity Data Journal (1)
Manuscript Associate Editor reviews: Mycologia (19). *Manuscript Executive Editor reviews*: Mycologia (110)
Proposal reviews: National Geographic Society (1, 2009), National Science Foundation (29, Systematics, Ecology and Biodiversity Panels, 2004-07, 2012), Netherlands Foundation for the Advancement of Tropical Research (WOTRO) – 2004
Proposal Review Panels – National Science Foundation Panel for Biodiversity: Discovery and Analysis, 18-21 April 2012, Arlington VA (171 proposals reviewed)

Professional Societies

Mycological Society of America; Latin American Mycological Society, Association for Tropical Biology and Conservation; Botanical Society of America; International Mycorrhiza Society

Invited Symposia (13 total)

2024. Twenty five years of macrofungal collecting in the Guiana Shield – what have we learned? Harvard University's Celebrating 100 years of the Farlow Herbarium Symposium, Cambridge, Massachusetts.
2016. Tropical ectomycorrhizal fungi: New insights from the Guiana Shield. IV International Congress on Biodiversity of the Guiana Shield, Georgetown, Guyana
2014. Edible mushrooms and fungal fermentations of Guyana's indigenous peoples. IIIX Latin American Mycological Congress, Medellin, Colombia.
2012. Mushrooms, nature, and people. Biodiversity Conference, Humboldt State University, Arcata,

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California.
2011. Ectomycorrhizal fungal diversity of *Dicymbe*-dominated forests in the Guiana Shield. IIX Latin American Mycological Congress, San Jose, Costa Rica.
2008. Fungal impacts on tropical tree diversity - the roles of mutualists, saprotrophs, and pathogens in maintaining monodominant forests of the Guiana Shield. Association for Tropical Biology Annual Meeting, Paramaribo, Surinam.
2007. The importance of primary tropical forests for fungal biodiversity. Mycological Society of America Annual Meeting, Baton Rouge, Louisiana.
2006. Ectomycorrhizal associations of the Guiana Shield. IX Latin American Botanical Congress, Santo Domingo, Dominican Republic.
2004. The macromycota of Guyana and its impact on generic concepts. 2nd Annual Deep Hypha Conference, Knoxville, Tennessee.
2004. Mast fruiting in the ectomycorrhizal *Dicymbe corymbosa (Caesalpiniaceae*) in Guyana. Association for Tropical Biology Annual Meeting, Miami, Florida.
2002. Ectomycorrhizal fungi associated with *Dicymbe* (Caesalpiniaceae) in Guyana. VII International Mycological Congress, Oslo, Norway.
2001. Diversity of ectomycorrhizal fungi associated with *Dicymbe* (*Caesalpiniaceae*) in the Pakaraima Mountains of Guyana. Biological Diversity of Guyana Conference, Georgetown, Guyana.
2001. Natural history and ethnobiology of the Wai Wai region, southern Guyana. Biological Diversity of Guyana Conference, Georgetown, Guyana.

Invited Seminars (19 total)

2020. Hyperdiversity of ectomycorrhizal fungi in Northern Gondwana. Humboldt State University, Department of Biological Sciences.
2020. Ectomycorrhizal fungi in monodominant forests of the Guiana Shield and Central Africa. University of Tennessee, Department of Ecology and Evolutionary Biology.
2015. Friends or foes? Root and trunk rot fungi and monodominance of tropical rainforest trees. UC-Davis, Plant Pathology Department.
2015. Tropical ectomycorrhizal fungi: new insights from the Guiana Shield and Congo Basin. Oregon State University, Department of Botany & Plant Pathology.
2014. Tropical monodominant forests: mechanisms & mycology. Boise State University, Department of Biological Sciences.
2014. Neotropical mycology: new insights from the Guiana Shield. Northwestern University, Program in Plant Biology and Conservation.
2011. Macrofungal diversity of Guyana – a rich overlooked realm. Universite Paul Sabatier, Laboratoire Evolution et Diversite Biologique (Toulouse, France)
2011. Ectomycorrhizal fungi, host plant lineages, and the latitudinal gradient of biodiversity. Humboldt State University, Department of Biological Sciences.
2009. Ectomycorrhizal fungal diversity of the central Guiana Shield. Duke University, Department of Biology.
2009. Clump wallaba forests and ectomycorrhizal fungi of the Pakaraima Mountains. University of Guyana, Department of Biology.
2009. Forest dominance in the Guiana Shield: mechanisms and implications for fungal biodiversity. Harvard University, Department of Ecology and Evolution.
2008. Monodominance in the neotropical tree *Dicymbe corymbosa*: a collusion of life history traits. University of Bern, Institute of Plant Sciences (Switzerland).
2007. Masting, meristems, mycorrhizae and mulch: factors contributing to forest dominance in the Guiana Shield. Humboldt State University, Department of Biological Sciences.
2005. Macromycete generic concepts and the need for tropical exploration. Duke University, Department of Biology.
2003. Forest dominance by the clump wallaba in Guyana. Guyana Forestry Commission, Georgetown, Guyana.

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2003. Ectomycorrhizal fungi and their leguminous hosts from Guyana. University of California, Davis, Department of Plant Pathology.
2000. Occurrence and distribution of ectomycorrhizal fungi in monodominant *Dicymbe* forests in the Pakaraima Mountains of Guyana. Ohio University, Department of Environmental and Plant Biology.
2000. Macrofungal communities in ectotrophic and anectotrophic forests of the Pakaraima Mountains of Guyana. University of Michigan, EEOB Department.
1995. Botanical collecting in the tepuis of Guyana, 1992-1994. Smithsonian Institution, Department of Botany, National Museum of Natural History.

Conference Presentations and Posters (*graduate student, **undergraduate student)

107. Alvarez-Manjarrez J, **Henkel TW**, Swenie R. 2026. Taxonomy of *Thelephora-Tomentella* (Basidiomycota) in the Neotropics. XII Latin American Mycology Congress, Quito, Ecuador (contributed presentation)
106. *Richardson M, Peay K, **Henkel TW**. 2026. Ectomycorrhizal fungi associated with *Pinus* species of California's northwestern coast. Mycological Society of America (MSA) Annual Meeting, Portland, Oregon (contributed presentation)
105. **Henkel TW,** Largent DL. 2025. *Entoloma* sensu stricto from Guyana: A first look at *Entoloma* "*aldinophilum*" ined., and a key to the known species. Mycological Society of America (MSA) Annual Meeting, Madison, Wisconsin (poster)
104. *Ledford C, **Henkel TW**. 2025. Novel *Amanita* species from the Guiana Shield. Mycological Society of America (MSA) Annual Meeting, Madison, Wisconsin (poster)
103. *Richardson M, **Henkel TW**, Peay K. 2025. Ectomycorrhizal fungi associated with three co-occuring *Pinus* species on the Far North Coast of California. Mycological Society of America (MSA) Annual Meeting, Madison, Wisconsin (poster)
102. Alvarez-Manjarrez J, **Henkel TW**, Neves MA, Osorio VR, Tostado CE, Campuzano EA, Ventura DR, Ernzen JP. 2025. Taxonomía y sistemática del clado *Thelephora-Tomentella* (Thelephoraceae) en América. X Simposio Nacional y VII Reunión Iberoamericana de la Simbiosis Micorrizica, Oaxaca, Mexico (contributed presentation)
101. **Henkel TW**, Siegel N, Chin ML, Aime MC. 2024. Cortinariaceae in the lowland tropics: more than expected. 12th International Mycological Congress, Maastricht, Netherlands (poster)
100. Alvarez-Manjarrez J, Mariana AM, Campuzano EC, Paolo J, **Henkel TW**, Neves MA, Rebollo-Osorio V, Tostado CS. 2024. Diverse horizons: exploring Thelephoraceae (Basidiomycota) taxonomy and diversity in the tropical Americas. Mycological Society of America (MSA) Annual Meeting, Toronto, Canada (contributed presentation)
99. Alvarez-Manjarrez J, **Henkel TW**, Villarruel JL, Campuzano EC, Tostado CS, Muñoz MA. 2023. Thelephoraceae en México y Guyana. III Simposio Internacional de Investigadores en Micorrizas de Sur América, Leticia, Colombia (contributed presentation)
98. **Henkel TW**, Alvarez-Manjarrez J, Aime MC, Smith ME. 2023. New species and ecological impacts of *Tomentella* from tropical monodominant forests of the Guiana Shield. Mycological Society of America (MSA) Annual Meeting, Flagstaff, Arizona (contributed presentation)
97. Corrales A, Koch RA, Vasco-Palacios A, Smith ME, Ge ZW, **Henkel TW**. 2022. Global diversity patterns of tropical ectomycorrhizal fungi. 11th International Conference on Mycorrhiza, Beijing, China (contributed presentation)
96. Alvarez-Manjarrez J, **Henkel TW**, Peay K. 2022. *Tomentella* in Guyana: diversity and ecology. XII Mexican Mycology Congress, Merida, Mexico (contributed presentation)
95. Corrales A, Koch RA, Vasco-Palacios AM, Smith ME, Ge ZW, **Henkel TW**. 2022. Global diversity patterns of tropical ectomycorrhizal fungi. International Conference on Mycorrhizae (ICOM 11), Beijing, China (keynote presentation)
94. **Henkel TW**, Nuytinck J, Verbeken A, Aime MC. 2022. Guiana Shield Russulaceae: new species form a distinct lineage of *Lactarius* subgen. *Plinthogalus*. Mycological Society of America (MSA) Annual Meeting, Gainesville, Florida (poster)

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93. *Delevich C, Koch RM, Aime MC, **Henkel TW**. 2019. Ectomycorrhizal fungal community development on seedlings of a Neotropical monodominant tree. Mycological Society of America (MSA) Annual Meeting, Minneapolis, Minnesota (poster)
92. *Delgat L, **Henkel TW**, Aime MC, Verbeken A, Nuytinck J. 2019. High diversity of milkcaps (*Russulaceae*, *Basidiomycota*) associated with *Dicymbe* in tropical forests of Guyana. Mycological Society of America (MSA) Annual Meeting, Minneapolis, Minnesota (poster)
91. Largent DL, **Henkel TW**, Koch RA, Aime MC. 2019. New species of *Entolomataceae* from Cameroon. 2019. Mycological Society of America (MSA) Annual Meeting, Minneapolis, Minnesota (poster)
90. *Jumbam B, Koch RA, Dentinger BTM, **Henkel TW**, Aime MC. 2019. A new and unusual species of *Hericium* from the Dja Biosphere Reserve, Cameroon. Mycological Society of America (MSA) Annual Meeting, Minneapolis, Minnesota (poster)
89. Koch RA, Dentinger BTM, **Henkel TW**, Aime MC. 2019. Phylogenomics of ectomycorrhizal genera suggest that some may have a common, ancient origin in northern Gondwana. Mycological Society of America (MSA) Annual Meeting, Minneapolis, Minnesota (contributed presentation)
88. Koch RA, **Brann M, Dentinger BTM, Chin ML, **Henkel TW**, Aime MC. 2019. Ectomycorrhizal fungal hyperdiversity revealed in tropical monodominant forests of Cameroon. Mycological Society of America (MSA) Annual Meeting, Minneapolis, Minnesota (poster)
87. *Mighell K, Koch RA, Aime MC, **Henkel TW**. 2019. New species and epitypes of *Amanita* from Central Africa. Mycological Society of America (MSA) Annual Meeting, Minneapolis, Minnesota (poster)
86. **Henkel TW**, Mayor JR. 2018. Mycorrhizas, masting, and monodominance in the Neotropical leguminous canopy tree *Dicymbe corymbosa*. 11th International Mycological Congress, San Juan, Puerto Rico (poster)
85. Dentinger BTM, Brown L, Halling RE, **Henkel TW**. 2018. Phylogenomics of the Boletaceae using generic level sampling and low coverage whole genome sequencing. 11th International Mycological Congress, San Juan, Puerto Rico (contributed presentation)
84. Koch RA, Dentinger BTM, **Henkel TW**, Aime MC. 2018. Comparing ectomycorrhizal fungal communities from Neotropical and Paleotropical monodominant forests: vicariance, dispersal, or both? 11th International Mycological Congress, San Juan, Puerto Rico (contributed presentation)
83. *Harrower E, Smith ME, *Mujic AB, Truong C, **Henkel TW**, Aime MC, Ovrebo C, Moncalvo JM, Niskanen T, 82. Matheny PB. 2018. Investigating the secotioid syndrome hypothesis across many climate variables: a case study using a global scale phylogeny of *Cortinarius*. 11th International Mycological Congress, San Juan, Puerto Rico (poster)
81. *Delevich C, Koch RA, Dentinger BTM, Aime MC, Smith ME, **Henkel TW**. 2018. Community assembly of ectomycorrhizal fungi on seedlings of a Neotropical monodominant tree. 11th International Mycological Congress, San Juan, Puerto Rico (poster)
80. *Mighell KS, Koch RA, Aime MC, Dentinger BTM, **Henkel TW**. 2018. New tropical *Amanita* species from the Guiana Shield and Central Africa. 11th International Mycological Congress, San Juan, Puerto Rico (poster)
79. *Harrower E, Smith ME, Mujic AB, Truong C, **Henkel TW**, Aime MC, Ovrebo C, Matheny PB. 2017. Testing the secotioid syndrome hypothesis across multiple environmental variables: a case study using a global-scale phylogeny of *Cortinarius*. Mycological Society of America (MSA) Annual Meeting, Athens, Georgia (contributed presentation)
78. **Henkel TW**, Mayor JR, *Delevich CA, Smith ME, Aime MC. 2017. Thelephoralean ectomycorrhizal fungi may drive early seedling survival in a Neotropical monodominant tree. Mycological Society of America (MSA) Annual Meeting, Athens, Georgia (contributed presentation)
77. *Delevich CA, Koch RA, Dentinger BTM, Aime MC, Smith ME, **Henkel TW**. 2017. Community assembly of seedling-colonizing ectomycorrhizal fungi in a Neotropical monodominant tree. Mycological Society of America (MSA) Annual Meeting, Athens, Georgia (contributed presentation)
76. *Mighell KS, Aime MC, Dentinger B, **Henkel TW**. 2017. New tropical *Amanita* species from the Guiana Shield and Central Africa. Mycological Society of America (MSA) Annual Meeting, Athens, Georgia (poster)
75. Koch RA, Dentinger BTM, **Henkel TW**, Aime MC. 2017. A comparison of ectomycorrhizal fungal diversity between monodominant forests in the Neotropics and the Paleotropics. Mycological Society of America (MSA) Annual Meeting, Athens, Georgia (contributed presentation)

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74. **Henkel TW**, Mayor JR. 2017. Return of the seed: a fourteen-year mast seeding interval in a Neotropical monodominant tree. Association of Tropical Biology & Conservation (ATBC) Annual Meeting, Merida, Mexico (contributed presentation)
73. *Delevich CA, Dentinger B, Aime MC, **Henkel TW**. 2017. Seedling ectomycorrhization of the Neotropical monodominant *Dicymbe corymbosa* (Fabaceae). Association of Tropical Biology & Conservation (ATBC) Annual Meeting, Merida, Mexico (contributed presentation)
72. *Mighell KS, Aime MC, Dentinger B, **Henkel TW**. 2017. New tropical *Amanita* species: implications for shared biogeographic history between Africa and South America. Association of Tropical Biology & Conservation (ATBC) Annual Meeting, Merida, Mexico (poster)
71. Dentinger BTM, Aime MC, **Henkel TW**. 2017. The diversity and evolution of ectomycorrhizal fungi of the Guineo-Congolian rainforest. XXI AETFAT Congress – Systematics, Biogeography and Conservation of African Plants and Fungi, Nairobi, Kenya (contributed presentation)
70. *Harrower E, Smith ME, Mujic AB, Truong C, **Henkel TW**, Aime MC, Ovrebo C, Matheny PB. 2017. Testing the secotioid syndrome hypothesis across multiple environmental variables: a case study using a global-scale phylogeny of *Cortinarius*. Fungal Network of New Zealand/Australian Mycological Society Joint Meeting, Queenstown, New Zealand (contributed presentation)
69. **Henkel TW**, *Koch RA, Dentinger BTM, Castellano MA, Matheny PB, Aime MC. 2016. Hyperdiversity of ectomycorrhizal fungal sporocarps in monodominant *Gilbertiodendron dewevrei* (Caesalpinioideae) forests of Cameroon, and delimitation of a new *Armillaria* lineage. Mycological Society of America (MSA) Annual Meeting, Berkeley, California (poster)
68. *Harrower E, Smith ME, Mujic AB, Truong C, **Henkel TW**, Aime MC, Ovrebo C, Matheny PB. 2016. Are sequestrate taxa evolutionary dead-ends? Assessing evolution and diversification of sequestrate *Cortinarius*. Mycological Society of America (MSA) Annual Meeting, Berkeley, California (contributed presentation)
67. *Sanchez-Garcia M, **Henkel TW**, Aime MC, Smith ME, Matheny PB. 2016. *Guyanagarika*, a new ectomycorrhizal genus of Agaricales from the Neotropics. Mycological Society of America (MSA) Annual Meeting, Berkeley, California (poster)
66. **Henkel TW**, Smith ME. 2015. Hosts, niches, and resources – drivers of ectomycorrhizal fungal diversity in tropical rainforests. 8th International Conference on Mycorrhiza, Flagstaff, Arizona (contributed presentation)
65. **Amses KR, **Elliott TF, Smith ME, **Henkel TW**. 2015. New Neotropical genera of ectomycorrhizal sequestrate Boletaceae. 8th International Conference on Mycorrhiza, Flagstaff, Arizona (poster)
64. *Harrower E, Bougher NL, **Henkel TW**, Horak E, Matheny PB**.** 2015. Long-distance dispersal and speciation of Australasian and American species of *Cortinarius* sect. *Cortinarius*. 8th International Conference on Mycorrhiza, Flagstaff, Arizona (poster)
63. *Grupe AG, *Vasco-Palacios A, Baroni TJ, Lodge DJ, Smith ME, **Henkel TW**. 2014. *Sarcodon* in the Neotropics: new species from Guyana, Colombia, Puerto Rico, and Belize. IIIX Latin American Mycological Congress, Medellin, Colombia (poster)
62. Mayor JR, Bahram M, **Henkel TW**, Bruegger F, Prischt K, Tedersoo L. 2014. Relative comparisons of ecosystem nitrogen isotope patterns from soils, fungi, and plants illustrate distinctive role of mycorrhizae across broad latitudinal gradients. Ecological Society of America (ESA) Annual Meeting, Sacramento, California (contributed presentation)
61. *Koch RA, Wilson AW, **Henkel TW**, Aime MC. 2014. *Guyanagaster* out of Africa? Phylogenetic evidence suggests the novel gasteromycete from the Guiana Shield, *Guyanagaster necrorhiza*, is derived from African *Armillaria* spp. Mycological Society of America (MSA) Annual Meeting, East Lansing, Michigan (poster)
60. Smith ME, **Henkel TW**, Rollins JA. 2014. How many fungi make sclerotia? Mycological Society of America (MSA) Annual Meeting, East Lansing, Michigan (poster)
59. Roy M, *Hackel J, Manzi S, Louisianna E, Iribar-Pelozuelo A, Buffard A, Frame D, Gardes M, **Henkel TW**, Decock C, Moreau P-A, Courtecuisse R, Schimann H. 2014. Are ectomycorrhizal fungi so rare in the Neotropics? Diversity of ectomycorrhizal symbioses in French Guiana. 33rd New Phytologist Symposium, Zurich, Switzerland (poster)
58. *Stropp J, Amaral IL, Aymard G, Banki O, de Castilho CV, Ferreira C, **Henkel TW**, Lopez DL, Magnuson W, de Almeida Matos FD, Milliken W, Oliveira A, Pauletto D, Phillips OP, Thomas R, ter Steege H. 2013. Comparing tree alpha- and beta-diversity of white-sand and terra-firme forests across Amazonian regions. Association of Tropical Biology and Conservation (ATBC) Annual Meeting, San Jose, Costa Rica (symposium presentation)

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57. **Henkel TW**, Wilson AW, Aime MC, Roy M, *Uehling JK, Mueller GM. 2013. Cantharellaceae of the Guiana Shield: new species of *Craterellus*, and new distribution records for *Cantharellus guyanensis* Mont. and *Craterellus excelsus* TW Henkel & Aime. American Phytopathological Society/Mycological Association of America Joint Meeting, Austin, Texas (poster)
56. *Uehling JK, **Henkel TW**, Clarke HD, Smith ME, Aime MC, Vilgalys R. 2013. Ectomycorrhizal fungi associated with monodominant *Dicymbe altsonii* trees and dispersed *Coccoloba* lianas at Mabura Ecological Reserve, Guyana. American Phytopathological Society/Mycological Association of America Joint Meeting, Austin, Texas (poster)
55. *Grupe AC, **Henkel TW**, Baroni TJ, Lodge DJ, Smith ME. 2013. *Sarcodon* in the Neotropics – new species and the emerging circum-Caribbean distribution. American Phytopathological Society/Mycological Association of America Joint Meeting, Austin, Texas (poster)
54. *Uehling JK, **Henkel TW**, Smith ME, Aime MC, Vilgalys R. 2013. Molecular, morphological, and biogeographic diversity in the ectomycorrhizal fungal genus *Clavulina*. International Biogeographers Society Annual Meeting. Miami, Florida (poster).
53. **Henkel TW**, Reynolds H, Aime MC, Miller SL, Smith ME. 2012. Ectomycorrhizal ascomycetes from the Guiana Shield: *Elaphomyces* and *Pseudotulostoma.* Mycological Society of America (MSA) Annual Meeting, New Haven, Connecticut (contributed presentation).
52. *Koch RA, **Henkel TW**, Aime MC. 2012. Resolving the phylogenetic relationship between *Armillaria* and the newly discovered genus *Guyanagaster.* Mycological Society of America (MSA) Annual Meeting, New Haven, Connecticut (contributed presentation).
51. Smith ME, **Henkel TW**, *Uehling JK, Fremier AK, Clarke HD, Vilgalys R. 2012. Ectomycorrhizal fungi associated with *Pakaraimaea dipterocarpacea*, an endemic neotropical dipterocarp. Mycological Society of America (MSA) Annual Meeting, New Haven, Connecticut (contributed presentation).
50. *Uehling JK, **Henkel TW**, Vilgalys R, Smith ME. 2012. *Membranomyces* species are common ectomycorrhizal symbionts across the northern hemisphere. Mycological Society of America (MSA) Annual Meeting, New Haven, Connecticut (contributed presentation).
49. *Williams GK, Smith ME, **Henkel TW**, Vilgalys R. 2012. Ectomycorrhizal fungi associated with seedlings of a monodominant tree in the Neotropics. Mycological Society of America (MSA) Annual Meeting, New Haven, Connecticut (contributed presentation).
48. *Husbands DR, **Henkel TW**. 2012. Synopsis of Boletaceae from the central Guiana Shield. Mycological Society of America (MSA) Annual Meeting, New Haven, Connecticut (contributed presentation).
47. **Henkel TW**, Smith ME, Aime MC, Vilgalys R. 2011. Ectomycorrhizal fungal diversity of *Dicymbe*-dominated forests in the Guiana Shield. Mycological Society of America (MSA) Annual Meeting, Fairbanks, Alaska (contributed presentation).
46. *Uehling JK, **Henkel TW**, Aime MC, Smith ME. 2011. *Clavulina* in the Guiana Shield: species diversity and deviant morphologies in a global diversity center. Latin American Mycological Congress, San Jose, Costa Rica (contributed presentation).
45. *Uehling JK, **Henkel TW**, Aime MC, Smith ME, Vilgalys R. 2011. Is *Clavulina* hyperdiverse in the Guiana Shield? Species diversity and phenotypic variation in Guyana. Mycological Society of America (MSA) Annual Meeting, Fairbanks, Alaska (contributed presentation).
44. **Grupe AC, *Uehling JK, Smith ME, **Henkel TW.** 2011. A first record for the genus *Sarcodon* in the lowland South American tropics. Mycological Society of America (MSA) Annual Meeting, Fairbanks, Alaska (poster).
43. Smith ME, Williams GC, **Henkel TW**, Aime MC, Vilgalys R. 2011. Do different soil microhabitats associated with *Dicymbe corymbosa* trees harbor distinct communities of ectomycorrhizal fungi? Latin American Mycological Congress, San Jose, Costa Rica (poster).
42. **Henkel TW**, Smith ME, Aime MC. 2010. *Guyanagaster*, a new wood-decaying sequestrate genus related to *Armillaria* (Physalacriaceae, Agaricomycetes, Basidiomycota). IX International Mycology Congress, Edinburgh, Scotland (poster).
41. Smith ME, **Henkel TW**. 2010. Ectomycorrhizal fungal diversity and community structure on three co-occurring leguminous canopy tree species in the neotropics. IX International Mycology Congress, Edinburgh, Scotland (poster).
40. Wilson AW, Aime MC, **Henkel TW**, Mueller GM. 2010. Systematics and phylogeography of *Dicymbe*-associated *Cantharellaceae* from the Guiana Shield. IX International Mycology Congress, Edinburgh, Scotland (poster).

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39. *Hawkins A, **Henkel TW**. 2010. Native fungal pathogens influence succession in old-growth conifer forests of California, USA. IX International Mycology Congress, Edinburgh, Scotland (poster).
38. Smith ME, **Henkel TW**, Aime MC, Castellano MA, Miller SL. 2010. Sequestrate ectomycorrhizal fungi from *Dicymbe*-dominated forests of the Guiana Shield. Mycological Society of America (MSA) Annual Meeting, Lexington, Kentucky (poster).
37. Wilson AW, Aime MC, **Henkel TW**, Mueller GM. 2010. Systematics and phylogeography of *Dicymbe*-associated *Cantharellaceae* from the Guiana Shield. Mycological Society of America (MSA) Annual Meeting, Lexington, Kentucky (poster).
36. *Hawkins A, **Henkel TW**. 2009. Native forest pathogens may facilitate persistence of Douglas fir in late-seral *Abies concolor/Pseudotsuga menziesii* forests in Northern California. Mycological Society of America (MSA) Annual Meeting, Snowmass, Utah (contributed presentation).
35. *Fulgenzi TD, **Henkel TW**, Smith ME, Aime MC. 2009. Boletaceae of the central Guiana Shield. Mycological Society of America (MSA) Annual Meeting, Snowmass, Utah (contributed presentation).
34. Dentiger BTM, Halling RE, **Henkel TW**, Desjardin D, McLaughlin DJ, Moncalvo JM. 2009. A molecular phylogeny for porcini mushrooms (*Boletus edulis* and allies) using multiple genes and a "missing link" from Australia. Mycological Society of America (MSA) Annual Meeting, Snowmass, Utah (contributed presentation).
33. *Mayor JR, Schuur EAG, **Henkel TW**. 2008. Elucidating the trophic dynamics of fungi using stable isotopes. The 21st New Phytologist Symposium on Ectomycorrhizae, Montpellier, France (poster).
32. Aime, MC, **Henkel TW**. 2008. Macromycetes of the Upper Potaro Basin, Guyana. Association for Tropical Biology and Conservation Annual Meeting, Paramaribo, Surinam (poster).
31. Mayor JR*, **Henkel TW**, Schuur EAG. 2008. Fungal $\delta^{13}C$ and $\delta^{15}N$ isotopes can discriminate ecological roles of tropical, temperate, and boreal fungi. Association for Tropical Biology and Conservation Annual Meeting, Paramaribo, Surinam (poster).
30. Mayor JR*, **Henkel TW**, Schuur EAG. 2008. A global meta-analysis of stable isotopes in fungi: Discriminating unknown trophic roles and implications for ecosystem nutrient dynamics. Mycological Society of America (MSA) Annual Meeting (poster).
29. *Fulgenzi TD, **Henkel TW**, Halling RE. 2007. *Boletaceae* of Guyana. Mycological Society of America (MSA) Annual Meeting (contributed presentation).
28. **Henkel TW**, Aime MC, Ryvarden L. 2007. Polyporoid fungi of Guyana: diversity, new species, and ecological roles. MSA (contributed presentation).
27. *Dentinger BTM, McLaughlin DJ, **Henkel TW**. 2007. Gaping into gaps: evolution of porcini mushrooms. MSA (contributed presentation).
26. *Mayor JR, Schuur EAG, **Henkel TW**. 2007. Elucidating the nutritional status of tropical fungi using dual isotopes: implications for ecosystem nutrient dynamics. Ecological Society of America Annual Meeting (poster).
25. *Degagne RS, **Henkel TW**, Steinberg S. 2007. Examining the distribution of *Dicymbe corymbosa* monodominant forests in Guyana with satellite imagery. California GIS Conference (poster)
24. Hughes KW, Mata JL, Cifuentes J, Aime MC, **Henkel TW**, Kovalenko A, Psurtseva N, Petersen RH. 2006. The hunt for *Megacollybia*: One name fits all? MSA (contributed presentation).
23. **Henkel TW**, James TY, Miller SL, Aime MC, Miller OK, Jr. 2005. The mycorrhizal status of *Pseudotulostoma volvata* (Elaphomycetaceae, Eurotiales, Ascomycota). MSA (contributed presentation).
22. **Henkel TW**, Aime MC, Chin M, Andrew C. 2005. Edible mushrooms of Guyana's Patamona Amerindians. MSA (poster)
21. *Woolley LP, **Henkel TW**. 2005. *Phellinus robustus* and the development of the tropical monodominant tree, *Dicymbe corymbosa* (Caesalpiniaceae). MSA (poster).
20. *Mayor JR, **Henkel TW**, Aime MC. 2005. Ectomycorrhizae accelerate calcium release from leaf litter in a monodominant, *Dicymbe corymbosa* (*Caesalpiniaceae*) forest in Guyana. MSA (poster).
19. *Hasebe N, **Henkel TW**, Stephenson S.. 2005. Preliminary myxomycete survey of the Upper Potaro River Basin, Guyana. Mycological Society of America Annual Meeting (poster)
18. **Kennedy LE, Hallen HE, **Henkel TW**. 2005. HPLC analyses of *Amanita* species from Guyana. MSA (poster)
17. **Henkel TW**, *Mayor JR, *Woolley LP. 2004. Mast fruiting in the ectomycorrhizal *Dicymbe corymbosa* (*Caesalpiniaceae*) from Guyana: the 2003 event and implications for monodominance. MSA (contributed presentation)

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16. *Mayor JR, **Henkel TW**. 2004. Ectomycorrhizal influence on leaf litter decomposition within a monodominant *Dicymbe corymbosa* (Caesalpiniaceae) forest in Guyana. MSA (contributed presentation).
15. *Mayor JR, **Henkel TW**. 2004. Ectomycorrhizal influence on leaf litter decomposition within a monodominant *Dicymbe corymbosa* (Caesalpiniaceae) forest in Guyana. Association for Tropical Biology Annual Meeting (contributed presentation).
14. Aime MC, **Henkel TW**. 2004. Mycosociology and macromycete diversity in the Pakaraima Mountains of Guyana. Association for Tropical Biology Annual Meeting (contributed presentation).
13. **Henkel TW**. 2003. Ecological consequences of mast-fruiting in *Dicymbe corymbosa* from Guyana. 2nd California-Oregon Mycorrhizae Conference (contributed presentation)
12. Miller SL, **Henkel TW**. 2003. Biology and molecular ecology of subiculate *Lactarius* species from Guyana. MSA (contributed presentation).
11. *Thacker JR, **Henkel TW**, Aime MC, Moncalvo JM, Vilgalys R. 2002. Probing the Amazonian soil mycota. MSA (contributed presentation)
10. **Henkel TW**. 2002. Belowground ectomycorrhizal networks as a contributing factor to monodominance in *Dicymbe corymbosa*. 1st California-Oregon Mycorrhizae Conference (contributed presentation)
9. ***Henkel TW**, Terborgh J, Vilgalys R. 2001. *Dicymbe* forests as habitat islands for ectomycorrhizal fungi in the Pakaraima Mountains of Guyana. MSA (contributed presentation).
8. ***Henkel TW**, Miller SL, Vilgalys R. 2000. Taxonomy and mycorrhizal status of pleurotoid *Russulaceae* from Guyana. British Mycological Society Symposium on Tropical Mycology, Liverpool, UK (poster)
7. ***Henkel TW**. 2000. Ectomycorrhizal basidiomycetes associated with *Dicymbe* (Caesalpiniaceae) in the Pakaraima Mountains of Guyana. British Mycological Society Millenium Symposium on Tropical Mycology, Liverpool, UK (poster)
6. Methven AS, ***Henkel TW**. 1999. A new species of *Lactarius* associated with *Dicymbe* in the forests of Guyana. XVI International Botanical Congress (poster).
5. ***Henkel TW**, Miller SL. 1999. Pleurotoid *Lactarius* species from Guyana with notes on their molecular phylogeny and ectomycorrhizal habit. XVI International Botanical Congress (poster).
4. ***Henkel TW**. 1999. Mycological explorations on the Amazonian frontier. 24th Mid-Atlantic States Mycology Conference (plenary address).
3. ***Henkel TW**. 1999. Systematics and mycorrhizal status of pleurotoid Russulaceae. 24th Mid-Atlantic States Mycology Conference (contributed presentation).
2. ***Henkel TW**. 1998. *Tylopilus* and *Austroboletus* from the northern Amazon. 23rd Mid-Atlantic States Mycology Conference (contributed presentation).
1. ***Henkel TW**. 1998. *Tylopilus* and other *Boletaceae* associated with *Dicymbe* in Guyana. Duke Biology Graduate Student Symposium (contributed presentation).

Current Collaborations

Julieta Alvarez-Manjarrez, UNAM. *Systematics of tropical Thelephoraceae.*
M. Catherine Aime, Purdue University. *Systematics of tropical macromycetes.*
Steven L. Miller, University of Wyoming. *Systematics of neotropical Russulaceae.*
Kees Bas (deceased). Rijksherbarium, Netherlands. *Systematics of neotropical Amanitaceae.*
Leif Ryvarden, University of Oslo. *Systematics of tropical aphyllophoroid fungi.*.
Urmas Kjoljalg, University of Tartu, Estonia. *Systematics of neotropical Thelephorales.*
Stephen Sillett, Humboldt State University. *Forest architecture in Guyana.*
David Newbery, University of Bern. *Mast fruiting and forest dominance of tropical trees.*
P. Brandon Matheny, University of Tennessee. *Systematics of tropical Inocybaceae.*
Roy Halling, New York Botanical Garden. *Systematics of tropical Boletaceae.*
Tim Baroni, SUNY-Cortland. *Systematics of neotropical Entolomataceae*
David Largent, Humboldt State University. *Systematics of neotropical Entolomataceae.*
Michael Castellano, Oregon State University. *Systematics of neotropical sequestrate fungi.*
Matthew Smith, University of Florida. *Molecular identification of tropical ectomycorrhizal fungi.*
Bart Buyck, Paris Natural History Museum. *Systematics of afrotropical Cantharellaceae and Russulaceae.*

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Rytas Vilgalys, Duke University. *Molecular identification of tropical ectomycorrhizal fungi.*
Roy Watling, Royal Botanic Garden, Edinburgh. *Systematics of tropical Cantharellaceae and Boletaceae.*
Andy Wilson, Denver Botanic Garden. *Systematics of neotropical Cantharellaceae.*
Greg Mueller, Chicago Botanic Garden. *Systematics of neotropical Cantharellaceae.*
Bryn Dentinger, University of Utah. *Systematics of tropical Boletaceae.*
Jordan Mayor, Arcata, Californa. *Ectomycorrhizal ecology.*
Leho Tedersoo, University of Tartu, Estonia. *Ectomycorrhizal ecology.*
Olivier Sene, National Herbarium, Cameroon. *Floristics of Afro-tropical monodominant forests.*
Melanie Roy, Universite Paul Sabatier, Toulouse, France. *Neotropical fungal biogeography.*
Jessie Uehling, Oregon State University. *Systematics of tropical Clavulinaceae.*
Hans ter Steege, University of Utrecht, Netherlands. *Amazonian tree distribution.*
Nigel Pitman, Field Museum of Natural History, Chicago. *Amazonian tree distribution.*
Kabir Peay, Stanford University, Palo Alto. *Ectomycorrhizal ecology.*
Jorinde Nuytinck, University of Utrecht, Netherlands. *Systematics of tropical Russulaceae.*
Noah Siegel, Massachusets, USA. *Systematics of tropical Cortinariaceae.*

Invited Public Lectures

Bay Area Mycological Society (2012), Humboldt Bay Mycological Society (2002-2007, 2009, 2011-13, 2016, 2018), HSU Natural History Museum (2002-2006), All California Club Foray (2005, 2007, 2014), Bioforum Teacher Symposium (Oakland Museum, 2006), Mycological Society of San Francisco (2003), California Native Plant Society (2006, 2015), Fungus Federation of Santa Cruz (2007, 2012, 2018), Sonoma County Mycological Association (2007, 2012)

Other Publications

Review of: Watling, R., J.C. Frankland, A.M. Ainsworth, S. Isaac, and C.H. Robinson. 2003. *Tropical Mycology: Vols. I & II*. *Mycological Research* 107(1): 127-128.
Henkel TW. 1995. Journey through a lost world: the tepui country of Guyana. Earth 4: 52-59
Henkel TW. 1995. Wai Wai days, jaguar nights. Botanical explorations in Guyana's deep south. South American Explorer 42: 16-21.
Henkel TW. 1995. Wai Wai country. Eldorado 1: 16-20.
Henkel TW. 1994. Up the wild green yonder. A botanical expedition to Mt. Wokomung, Guyana. South American Explorer 36: 5-11.
Henkel TW. 1992. In quest of the big outside: Guyana wilderness 1991. Guyana Biodiversity Society 1(2): 7-11.

Relevant Work Experience

9-11/99	Mycological Advisor, BBC Natural History Unit, Peru.
5/97-8/97	Research Technician, University of Florida, Dept. of Plant Pathology.
11/96-2/97	Botanical collector, Harvard University, EEOB Department.
8/95-12/95	Independent Research Contractor, Nature Conservancy, Gainesville, FLA
9/92-12/94	Guyana Field Botanist, Smithsonian Institution, Dept. of Botany.
2/91-9/91	Field Botanist, The Nature Conservancy, Tallahassee, FLA
4/89-2/91	Biological Scientist, University of Florida, Dept. of Forestry.
1/89-4/89	Research Technician, University of Florida, Dept. of Forestry.

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