

## MEREDITH BLACKWELL

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University of South Carolina  
Columbia, SC 29208

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### EDUCATION

B.S. 1961 Biology, University of Southwestern Louisiana, Lafayette  
M.S. 1963 Biology, University of Alabama, Tuscaloosa. Fishes of the Cahaba River  
Drainage System of Alabama (H. J. Boshung, advisor)  
Ph.D. 1973 Botany, University of Texas at Austin. A Developmental and Taxonomic Study of  
*Protothysarum phloiogenum* (C. J. Alexopoulos, advisor)

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### ACADEMIC POSITIONS

1972-1974 Electron Microscopist, University of Florida  
1974-1975 Interim Assistant in Botany, University of Florida  
1975 (Summer) Faculty, Mountain Lake Biological Station, University of Virginia  
1975-1981 Assistant Professor of Biology, Hope College, Holland, Michigan (tenure granted,  
1981)  
1981-1985 Assistant Professor, Department of Botany, Louisiana State University, Baton  
Rouge  
1985-1988 Associate Professor with tenure, Department of Botany, Louisiana State  
University, Baton Rouge  
1988-1997 Professor, Department of Botany (then Plant Biology, now Biological Sciences),  
Louisiana State University, Baton Rouge  
1997-2014 Boyd Professor, Department of Biological Sciences, Louisiana State  
University, Baton Rouge  
2014- Boyd Professor Emeritus, Department of Biological Sciences, Louisiana State  
University, Baton Rouge  
2014- Adjunct Professor, Department of Biological Sciences, University of South  
Carolina, Columbia

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### ADMINISTRATIVE EXPERIENCE

**Acting Associate Dean**, College of Basic Science, Louisiana State University (7 months, 1989-1990)  
**Acting Chair**, Department of Botany, Louisiana State University (periodically 1989- 2000)  
**Program Director**, National Science Foundation (1997-1998). Additional experiences listed below under  
"Professional Service."

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### PROFESSIONAL SERVICE

#### Societies:

**Mycological Society of America** (Member, Committee on Research Grants and Publications, 1976-  
1979; Chairperson, 1977-1979; Councilor, 1981-1982; *Mycologia Memoirs* Editorial Board, 1983-1990;  
Secretary, 1986-1988; Committee on Culture Collections, 1986-1988; Foray Committee, 1986-1988;  
Committee for Long Range Planning, 1989-1990, 1999-2001; Education Committee, 2000-2004;  
Committee on the By-Laws, 1997-1999); Vice-President, 1990-1991; President-Elect, 1991-1992;  
President, 1992-1993; Past-President, 1993-1995; Education Committee, Chair, 2002-2004; Endowment  
Committee, 2002-2006; Public Policy Representative 2003- ; Local Organizer for Annual Meeting, 2007),  
Nominations Committee, 2010-2014, Chair (2014); Honorary Membership Committee, 2012-2015 (Chair  
2015); MSA Fellows Committee --2012-2015; Memorials Editor 2013- ; MSA Representative to the  
International Mycological Association 2013-2014

**International Mycological Association** Member, Executive Committee, 1990-1994; Secretary-General,  
1994-1998; President, 1998-2002; Founding Fellow 2014; General Fellows Committee (Chair 2016- );

Eleventh International Mycological Congress (IMC11), Scientific Program Committee, Co-chair Education Subcommittee (with Andrea Romero); mid-July, 2018, San Juan, Puerto Rico.

**Asociación Latinoamericana de Micología** (Member)

**International Association of Botanical and Mycological Societies (IABMS)** (Member, ad hoc committee to assess invitations to host the XVII IBC, 1998-1999; Secretary, 1999-2005; Chairperson, 2005-2011)

**British Mycological Society** (Centennial Fellow)

**Linnean Society of London** (Fellow)

**American Association for the Advancement of Science** (Fellow)

**Explorers Club** (Fellow)

**Willi Hennig Society** (Past Associate Member)

**Genetics Society of America** (Past Member)

**Society for Invertebrate Pathology** (Past Member)

**Botanical Society of America** (Past Member, Secretary, Microbiological Section, 1979-1982; Section Program Chairperson, 1980-1982)

**International Symbiosis Society** (Past Member)

**Sigma Xi** (Past Member, Treasurer, Local Chapter, 1977-1979; Member, Awards Committee, 1983-1986)

**Mycological community service:** NSF-Research Coordination Network: A Phylogeny for Kingdom Fungi "Deep Hypha" (Organizer and PI, 2000-2006). *Mycologia* [Guest Associate Editor for "Deep Hypha" issue 98 (6) 2006]

#### Other:

**Molecular Phylogenetics and Evolution** (Member, Editorial Board, 1992-1999) *Mycologia* (Associate

Editor, 1995-1997) *Journal of African Mycology and Biotechnology* (Member, Editorial Board, 1998-

2006) *Systematics and Geography of Plants* (Member, Editorial Board, 1999-2006) **XVI International**

**Botanical Congress** (Member, Steering Committee, 1995-1999) **International Union of**

**Microbiological Societies (Mycology Section)**, Member, Congress Programme Advisory Board (1997-

1998) **National Science Foundation** (Panelist: Biotic Surveys and Inventories; Systematics;

Infrastructure; PEET White Paper on Monographs Committee; Member, Systematics and Population

Biology Committee of Visitors; Program Director, Systematics, 1997-1998) **III Latin American**

**Mycological Congress, Caracas** (Member, International Advisory Committee, 1999) **IV Latin American**

**Congress of Mycology, Xalapa** (Member, International Advisory Committee, 2001-2002) **Fungal**

**Evolution and Charles Darwin: From Morphology to Molecules** (Member of the International Scientific

Advisory Committee, Sirindhorn Science Home, Thailand Science Park, Pathumthani, Thailand, 9-11 July

2009)

#### OTHER PROFESSIONAL EXPERIENCE

**Research Associate**, Brown and Root-Northrup (Apollo 13 shot, NASA, Houston) (1970, 4 months)

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#### HONORS AND AWARDS

1962-1963	University Teaching Fellowship, University of Alabama, Tuscaloosa
1963 (summer)	Traineeship, NIH Environmental Training Program, Tulane University, New Orleans
1972 (summer)	Traineeship, NSF Environmental and Systematic Biology Program, University of Texas, Austin
1983	Alexopoulos Prize, Mycological Society of America
1996	Centenary Fellow, British Mycological Society
1998	Fellow, American Association for the Advancement of Science
2001	President's Invited Lecturer, Annual General Meeting, British Mycological Society
2003	Distinguished Mycologist, Mycological Society of America
2003	Honorary Member, Golden Key, LSU Chapter
2006	William H. Weston Teaching Award, Mycological Society of America
2007	Fellow, Mycological Society of America

2008, 2009	Rainmaker, Louisiana State University
2012	Fellow, American Academy of Arts and Sciences
2013-2014	Fellow, Radcliffe Institute, Harvard University
2014	Fellow, International Mycological Association
2014	De Bary Medalist, International Mycological Association (lifetime achievement)
2015	Inductee, Hall of Distinction, College of Science, Louisiana State University
2016	Johanna Westerdijk Awardee, CBS Fungal Biodiversity Centre [for distinguished career in mycology based on quality, originality, and quantity of contributions to collection and associated mycological research]
2017	MSA best student oral presentation prize renamed “Meredith Blackwell Graduate Student Research Prize – Oral Presentation”
2018	A Festschrift in Honor of Meredith Blackwell. <i>Mycologia</i> 110 (1):1-267.

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## EPONYMY

Adaskaveg, J.E., Gilbertson, R.L. 1988. *Ganoderma meredithae*, a new species on pines in the southeastern United States. *Mycotaxon* 31:251-257 [corrected to *Ganoderma meredithiae*; reduced to *G. curtisii* f.sp. *meredithiae* forma specialis nov. in Loyd AL, Barnes CW, Held BW, Schink MJ, Smith ME, Smith JA, et al. (2018) Elucidating "lucidum": Distinguishing the diverse laccate *Ganoderma* species of the United States. *PLoS ONE* 13(7): e0199738. <https://doi.org/10.1371/journal.pone.0199738>]

Henk, D.A. 2005. New species of *Septobasidium* from southern Costa Rica and the southeastern United States. *Mycologia* 97:908-13 [*Septobasidium meredithiae*]

Ji, Z.H., Jia, J.H., Bai, F.Y. 2008. Four novel *Candida* species in the *Candida albicans*/*Lodderomyces elongisporus* clade isolated from the gut of flower beetles. *Antonie Van Leeuwenhoek* 95:23–32 [*Candida blackwelliae*, near *C. albicans* and *C. dubliniensis*] Corrected to *Candida blackwelliae* by Offord & Kirk (2013)

Toome, M., Roberson, R.W., Aime, M.C. 2013. *Meredithblackwellia eburnea* gen. et sp. nov., Kriegeriaceae fam. nov. and Kriegeriales ord. nov. – toward resolving higher-level classification in Microbotryomycetes. *Mycologia* 105:486-495 (with cover illustration) [*Meredithblackwellia eburnea*]

Sylvester, K., Wang Q.M., James B., Mendez R., Hulfachor A.B., Hittinger C.T. 2015. Temperature and host preferences drive the diversification of *Saccharomyces* and other yeasts: a survey and the discovery of eight new yeast species. *FEMS Yeast Res.* 2015 May;15(3). pii: fov002. doi: 10.1093/femsyr/fov002. Epub 2015 Mar 4. [*Kodamaea meredithiae*]

Mayers, C. G., D. L. McNew, T. C. Harrington, R. A. Roeper, S. W. Fraedrich, P. H. W. Biedermann, L. A. Castrillo, and S. E. Reed. 2015. Three genera in the Ceratocystidaceae are the respective symbionts of three independent lineages of ambrosia beetles with large, complex mycangia. *Fungal Biology* Three genera in the Ceratocystidaceae are the respective symbionts of three independent lineages of ambrosia beetles with large, complex mycangia. *Fungal Biology* 119:1075-1092. [*Meredithiella*]

Kepler R. W., J. J. Luangsa-ard, N. L. Hywel-Jones, C. A. Quandt, G.-H. Sung, S. A. Rehner, M. C. Aime, T. W. Henkel, T. Sanjuan, R. Zare, M. Chen, Z. Li, A. Y. Rossmann, J. W. Spatafora, and B. Shrestha. 2017. A phylogenetically-based nomenclature for Cordycipitaceae (Hypocreales). *IMA Fungus* 8:335–353. [*Blackwellomyces*]

Haelewaters, D, and W. Rossi. 2017. Laboulbeniales parasitic on American small carrion beetles: new species of *Corethromyces*, *Diphymyces*, and *Rodaucea*. *Mycologia*. 109(4):655-666. [*Diphymyces blackwelliae*]

Mongkolsamrit, Suchada, Wasana Noisripoom, Donnaya Thanakitpipattana, Tuksadon Wutikhun, Joseph W. Spatafora, and Jennifer Luangsa-ard. 2018. Disentangling cryptic species with *Isaria*-like morphs in Cordycipitaceae. *Mycologia* 110(1): 230-257. [*Cordyceps blackwelliae*]

Walsh, Emily, Weijun Duan, Maryem Mehdi, Kamal Naphri, Swapneel Khiste, Adam Scalera, and Ning Zhang. 2018. *Cadophora meredithiae* and *C. interclivum*, new species from roots of sedge and spruce in a western Canada subalpine forest. *Mycologia* 110(1): 201-214 [*Cadophora meredithiae*]

Kaishian, Patricia and Alex Weir. 2018. New species of *Prolixandromyces* (Laboulbeniales) from South America. *Mycologia* 110(1): 222-229. [*Prolixandromyces blackwelliae*]

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## ACADEMIC CONSULTING

Miami University, Reviewer, Department of Botany, 1996

University of Gent, Reader, PhD Thesis of André DeKesel, 1997

Harvard University, Member, PhD qualifying exam committee of Debbie Miller, 1997

Uppsala University, Advisor to the search committee, Systematic Botany position, 1998

University of Alberta, Reader, PhD Thesis of Sarah Hambleton, 1998

University of the OFS, Bloemfontein, RSA, Reader, PhD Thesis of R. C. Witthuhn, 1999

University of British Columbia, Reviewer, Department of Botany, 1999

University of Umeå, Sweden, Opponent, PhD defense of Katarina Winka, 2000

SUNY Syracuse, Member, committee of PhD student Monica Hughes, 2001- 2008

State of Kansas NSF EPSCoR Meeting, Panelist, Successful grant writing, Lawrence, Kansas, 8 April 2003

Member, Advisory Committee for the Mycology and Botany Collection, American Type Culture Committee, 2004-

University of Pretoria, External Examiner, PhD dissertation of Marieka Gryzenhout, 2006

Fungal Tree of Life Shortcourse, Instructor, BIOTEC, Thailand, 4-6 February 2007

Fungal DNA Barcoding Workshop, Steering Committee, CRC, Front Royal, Virginia, 14-15 May 2007.

American Type Culture Collection, Mycology Scientific Advisory Committee, 2007-2008.

Danish National Research Foundation, Member, evaluation panel for research center, including site visit, 2009.

DOE Joint Genome Institute, JGI Fungal Advisory Committee, Yeast Working Group, Member 2009-2016.

Alfred P. Sloan Foundation, Advisory Committee, Microbiomes of the Built Environment, 2009-2015.

Purdue University, Member, PhD committee of Rachel Koch, 2011-2017.

Harvard University, Member, PhD committee of Danny Haelewaters, 2012- .

Texas Tech University, Reviewer, Department of Biological Sciences, including site visit, 2013.

Danish National Research Foundation, Member, evaluation panel for research center, 2014.

University of Graz, Austria, advisor, search commission on professorship of Botany, June 2017

North Carolina State University, College of Agriculture and Life Sciences, Center for Integrated Fungal Research, member review team, 2-3 August 2017

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## COURSES TAUGHT

**Undergraduate:** Botany (Majors' and Non-majors' sequences), General Biology, Cytology, Plant Morphology, General Zoology, Microbiology, Scanning Electron Microscopy Techniques, Economic Plants, The World Around Us [see <<http://reveille.stumedia.lsu.edu/archives/january-2001/1-30-01/Campuslife/univ3005.html>>], Fungal Biology [<http://lsb380.plbio.lsu.edu/Fungal%20Biology/Fungal%20Biology%20Home.html>]. **Graduate:** Mycology [<http://lsb380.plbio.lsu.edu/mycology/mycology%25252520Fall%252525202004.html>], Advanced Mycology

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## PUBLICATIONS

## Books

Wheeler, Q., and M. Blackwell, Eds. 1984. *Fungus-Insect Relationships: Perspectives in Ecology and Evolution*. Columbia University Press, New York. 514 p.

Alexopoulos, C. J., C. W. Mims, and M. Blackwell. 1996. *Introductory Mycology*. John Wiley & Sons, New York. 868 p. (first US printing), 869p. (successive US printings). Translations in Spanish, Portuguese, German, Chinese, Malaysian, and Farsi.

Vega, F. E., and M. Blackwell, Eds. 2005. *Insect-Fungal Associations: Ecology and Evolution*. Oxford University Press, NY. 333p.

Vega, F. E., and M. Blackwell, Eds. 2007. *Insect-Fungal Associations: Ecology and Evolution*. Kyoritsu Shuppan Co. Ltd., Tokyo, 400p. [Japanese translation 昆虫と菌類の関係 -その生態と進化- 2007. (ISBN978-4-320-05645-9, F.E.Vega, M.Blackwell 編, 梶村 恒・佐藤大樹・升屋勇人 訳, A5, 400頁, 5300 円.)]

## Refereed Papers

Alexopoulos, C. J., and M. Blackwell. 1968. Taxonomic studies in the Myxomycetes. II. *Physarina*. *Journal of the Elisha Mitchell Society* (Couch Festschrift) 84:48-51.

Ingram, L. O., and M. Blackwell. 1974. Macromolecular requirements for the physical initiation of cell division in a filamentous mutant of *Agmenellum quadruplicatum*. *Biochimica et Biophysica Acta* 355:295-302.

Blackwell, M. 1974. A new species of *Licea* (Myxomycetes). *Proceedings of the Iowa Academy of Science* (Alexopoulos Festschrift) 81:6.

Blackwell, M. 1974. An ultrastructural study of stalk development in a myxomycete, *Protophysarum phloiogenum*. *Archives for Microbiology* 99:331-334.

Ingram, L. O., G. J. Olson, and M. Blackwell. 1975. Isolation of a small-cell mutant in the blue-green bacterium *Agmenellum quadruplicatum*. *Journal of Bacteriology* 123:743-746.

Blackwell, M., and C. J. Alexopoulos. 1975. Taxonomic studies in the Myxomycetes. IV. *Protophysarum phloiogenum*, a new genus and species of the Physaraceae. *Mycologia* 57:32-37. doi: 10.2307/3758224

Blackwell, M., and J. W. Kimbrough. 1976. Ultrastructure of the termite-associated fungus *Laboulbeniopsis termitarius*. *Mycologia* 68:541-550. doi: 10.2307/3758977

Blackwell, M., and J. W. Kimbrough. 1976. A developmental study of the termite-associated fungus *Coreomycetopsis oedipus*. *Mycologia* 68:551-558. doi: 10.2307/3758978

Blackwell, M., and A. Busard. 1978. The use of pigments as a taxonomic character to distinguish species of the *Trichiaceae* (Myxomycetes). *Mycotaxon* 7:61-67.

Blackwell, M., and J. W. Kimbrough. 1978. *Hormiscioideus filamentosus* gen. et sp. nov., a termite-infecting fungus from Brazil. *Mycologia* 70:1273-1280. doi: 10.2307/3759332

Blackwell, M. 1980. Developmental morphology and taxonomic characters of *Arthrorhynchus nycteribiae* and *A. eucampsipodae* (Laboulbeniales). *Mycologia* 72:143-158. doi: 10.2307/3759428

Blackwell, M. 1980. Distribution, host preference, and incidence of *Arthrorhynchus nycteribiae* and *A. eucampsipodae* (Laboulbeniales). *Mycologia* 72:159-168. doi: 10.2307/3759427

- Blackwell, M. 1980. New records of termite-associated fungi from Georgia. *Journal of Invertebrate Pathology* 35:101-104. doi: 10.1016/0022-2011(80)90093-2
- Blackwell, M., and R. L. Gilbertson. 1980. *Didymium eremophilum*: a new myxomycete from the Sonoran Desert. *Mycologia* 72:791-797. doi: 10.2307/3759772
- Blackwell, M., and R. L. Gilbertson. 1980. Sonoran Desert *Myxomycetes*. *Mycotaxon* 11:139-149.
- Blackwell, M., R. Samson, and J. W. Kimbrough. 1980. *Termitariopsis cavernosa*, gen. et sp. nov., a sporodochial fungus ectoparasitic on ants. *Mycotaxon* 12:97-104.
- Barr, M. E., and M. Blackwell. 1980. A new genus in the *Lophiaceae*. *Mycologia* 72:1224-1227. doi: 10.2307/3759580
- Blackwell, M., and R. L. Gilbertson. 1981. *Cordycepioideus octosporus* sp. nov., a termite possible pathogen from Jalisco, Mexico. *Mycologia* 73:358-362. doi: 10.2307/3759659
- Blackwell, M., T. Laman, and R. L. Gilbertson. 1982. Spore dispersal of *Fuligo septica* (*Myxomycetes*) by lathridiid beetles. *Mycotaxon* 14:57-60.
- Gilbertson, R. L., and M. Blackwell. 1982. *Theleporus ajovalliensis* (*Aphylophorales: Corticiaceae*), a new wood-rotting fungus on ocotillo in the Sonoran Desert. *Mycotaxon* 15:249-253.
- Gilbertson, R. L., and M. Blackwell. 1984. Two new basidiomycetes on living live oak in the southeast and Gulf Coast region. *Mycotaxon* 20:85-93.
- Blackwell, M., J. Vandewaa, and M. Reynolds. 1984. Survival of myxomycete sclerotia after exposure to high temperatures. *Mycologia* 76:752-754. doi: 10.2307/3793235
- Blackwell, M., and R. L. Gilbertson. 1984. New information on *Cordycepioideus bisporus* and *C. octosporus*. *Mycologia* 76:763-765. doi: 10.2307/3793239
- Blackwell, M., and R. L. Gilbertson. 1984. Distribution and sporulation phenology of *Myxomycetes* in the Sonoran Desert of Arizona. *Microbial Ecology* 10:369-377. doi: 10.1007/BF02015561
- Blackwell, M., and R. L. Gilbertson. 1985. *Quasiconcha reticulata* and its anamorph from conifer roots. *Mycologia* 77:50-54. doi: 10.2307/3793247
- Blackwell, M., and R. L. Gilbertson. 1985. A new species of *Inonotus* (*Aphylophorales, Hymenochaetaceae*) on oak in Louisiana. *Mycotaxon* 23:285-290.
- Gilbertson, R. L., and M. Blackwell. 1985. Notes on wood-rotting fungi on junipers in the Gulf Coast region. *Mycotaxon* 24:325-348.
- Rossi, W., and M. Blackwell. 1986. New species of *Laboulbenia* from termite hosts in Africa. *Mycologia* 78:142-145. doi: 10.2307/3793393
- Blackwell, M., and W. Rossi. 1986. Biogeography of fungal ectoparasites of termites. *Mycotaxon* 25:581-601.
- Rejmankóva, E., M. Blackwell, and D. C. Culley. 1986. Dynamics of fungal infection in duckweeds (*Lemnaceae*). Veroff Geobotanisches Institute, *ETH*, Zürich (E. Landolt Festschrift) 87:178-189.

- Blackwell, M., J. R. Bridges, J. C. Moser, and T. J. Perry. 1986. Hyperphoretic dispersal of a *Pyxidiophora* anamorph. *Science* 232:993-995. doi: 10.1126/science.232.4753.993
- Blackwell, M., T.J. Perry, J.R. Bridges, and J.C. Moser. 1986. A new species of *Pyxidiophora* and its *Thaxteriella* anamorph. *Mycologia* 78:607-614. doi: 10.2307/3807773
- Gilbertson, R. L., and M. Blackwell. 1987. Notes on wood-rotting fungi on junipers in the Gulf Coast Region. II. *Mycotaxon* 28:369-402.
- Waller, D. A., J. P. LaFage, R. L. Gilbertson, and M. Blackwell. 1987. Wood decay fungi associated with subterranean termites in Louisiana. *Proceedings of the Entomological Society of Washington* 89:417-424.
- Gilbertson, R. L., and M. Blackwell. 1988. Some new or unusual fungi from the Gulf Coast region. *Myxotaxon* 33:375-386.
- Blackwell, M., J. C. Moser, and J. Wisniewski. 1989. Ascospores of *Pyxidiophora* on mites associated with beetles in trees and wood. *Mycological Research* 92:397-403.
- Blackwell, M., and D. Malloch. 1989. *Pyxidiophora*: A link between the *Laboulbeniales* and hyphal ascomycetes. *Memoirs of the New York Botanical Garden (Rogerson Festschrift)* 49:23-32.
- Blackwell, M., and D. Malloch. 1989. *Pyxidiophora*: Life histories and arthropod associations of two species. *Canadian Journal of Botany* 67:2552-2562.
- Blackwell, M., and D. Malloch. 1989. Similarity of *Amphoromorpha* and secondary capilliconidia of *Basidiobolus*. *Mycologia* 81:735-741. doi: 10.2307/3759878
- Blackwell, M., and D. Malloch. 1990. Discovery of a *Pyxidiophora* with *Acariniola*-type ascospores. *Mycological Research* 94:415-417.
- Rossi, W., and M. Blackwell. 1990. Fungi associated with African earwigs and their relationship to South American forms. *Mycologia* 82:138-140. doi: 10.2307/3759975
- Malloch, D., and M. Blackwell. 1990. *Kathistes*, a new genus of pleomorphic ascomycetes. *Canadian Journal of Botany* 68:1712-1721. doi: 10.1139/b90-220
- Blackwell, M., and D. Malloch. 1991. Life history and arthropod dispersal of a coprophilous *Stylopage*. *Mycologia* 83:360-366. doi: 10.2307/3759996
- Hanula, J.L., T.G. Andreadis, and M. Blackwell. 1991. *Entoderma colletosporium* gen. and sp. nov., a unique cuticular fungus infecting Japanese beetle, *Popillia japonica* (Coleoptera: Scarabaeidae). *Journal of Invertebrate Pathology* 58:327-334.
- Van Eeckhout, E., M.C. Rush, and M. Blackwell. 1991. Effects of rate and timing of fungicide applications on incidence and severity of sheath blight and grain yield of rice. *Plant Disease* 75:1254-1261.
- Blackwell, M., B. Lowy, S.P. Vasser. 1991. Novita malovidomi dlya ssha vidi poryadku Agaricales s.l. [New or unknown for the USA species of Agaricales s.l. order from State Louisiana]. *Ukrains'ki Botanichni Zhurnal* 48:70-73 + 1 pl.

- Kaltenboeck, B., J.W. Spatafora, X. Zhang, K. Kousoulas, M. Blackwell, and J. Storz. 1992. Efficient production of single-stranded DNA as long as 2 kb for sequencing of PCR-amplified DNA. *Biotechniques* 12:164-171.
- Spatafora, J.W., and M. Blackwell. 1993. The polyphyletic origins of ophiostomatoid fungi. *Mycological Research* 98:1-9.
- Spatafora, J.W., and M. Blackwell. 1993. Molecular systematics of unitunicate perithecial ascomycetes: The *Clavicipitales-Hypocreales* connection. *Mycologia* 85:912-922. doi: 10.2307/3760674
- Blackwell, M. 1994. Minute mycological mysteries: The influence of arthropods on the lives of fungi. *Mycologia* 86:1-17. doi: 10.2307/3760716
- Jones, K. G., and M. Blackwell. 1996. Ribosomal DNA sequence analysis excludes *Symbiotaphrina* from the major lineages of ascomycete yeasts. *Mycologia* 88:212-218. doi: 10.2307/3760925
- Cassar, S. C., and M. Blackwell. 1996. Non-monophyly of ambrosia fungi in *Ambrosiella*. *Mycologia* 88:596-601. doi: 10.2307/3761153
- Blackwell, M., and K. G. Jones. 1997. Taxonomic diversity and interactions of insect-associated ascomycetes. *Biodiversity and Conservation* 6:689-699. doi: 10.1023/A:1018366203181
- Suh, S.-O., J. W. Spatafora, G. R. S. Ochiel, H. C. Evans, and M. Blackwell. 1998. Molecular phylogenetic study of a termite pathogen *Cordycepioides bisporus*. *Mycologia* 90:61-617. doi: 10.2307/3761220
- Jones, K. G., and M. Blackwell. 1998. Phylogenetic analysis of ambrosial species in the genus *Raffaelea* based on 18S rDNA sequences. *Mycological Research* 102:661-665. doi: 10.1017/S0953756296003437
- Jones, K. G., P. F. Dowd, and M. Blackwell. 1999. Polyphyletic origins of yeast-like endocytobionts from anobiid and cerambycid beetles. *Mycological Research* 103:542-546. doi: 10.1017/S0953756298007308
- Suh, S.-O., K. G. Jones, and M. Blackwell. 1999. A Group I intron in nuclear small subunit rRNA gene of *Cryptendoxyla hypophloia*: Evidence for a new major class of Group I introns. *Journal of Molecular Evolution* 48:493-500. doi: 10.1007/PL00006493
- Suh, S.-O., and M. Blackwell. 1999. Molecular phylogeny of the cleistothecial fungi placed in Cephalothecaceae and Pseudeurotiaceae. *Mycologia* 91:836-848. doi: 10.2307/3761537
- Blackwell, M. 2000. Perspective: Evolution: Terrestrial life --Fungal from the start? *Science* 289 (5486): 1884-1885. doi: 10.1126/science.289.5486.1884
- Suh, S.-O., C. P. Kurtzman, and M. Blackwell. 2001. The status of *Endomyces scopularum* --a filamentous fungus and two yeasts. *Mycologia* 93:316-321. doi: 10.2307/3761653
- Zhang, N., and M. Blackwell. 2001. Molecular phylogeny of dogwood anthracnose fungus (*Discula destructiva*) and the Diaporthales. *Mycologia* 93:356-364. doi: 10.2307/3761657
- Suh, S.-O., H. Noda, and M. Blackwell. 2001. Insect symbiosis: derivation of yeast-like endosymbionts within an entomopathogenic lineage. *Molecular Biology and Evolution* 18:995-1000.
- Weir, A., and M. Blackwell. 2001. Extraction and PCR amplification of DNA from minute ectoparasitic fungi. *Mycologia* 93:802-806. doi: 10.2307/3761835



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McLaughlin, D. J., T. K. A. Kumar, M. Blackwell, P. Letcher and R. Roberson. 2015. Subcellular structure and biochemical characters in fungal phylogeny. p. 229-258. *The Mycota*, Volume VII B, Elsevier,

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Spatafora, J. W., M. C. Aime, I. V. Grigoriev, F. Martin, J. E. Stajich, and M. Blackwell. 2018. The fungal tree of life: from molecular systematics to genome-scale phylogenies. p. 3--34. In: *The Fungal Kingdom*. Edited by J. Heitman, B. J. Howlett, P. W. Crous, E. H. Stukenbrock, T. Y. James, and N. A. R. Gow. American Society for Microbiology, Washington, DC. doi:10.1128/microbiolspec.FUNK-0053-2016

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### On Line Materials

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Blackwell, M., C. P. Kurtzman, M.-A. Lachance, and S.-O. Suh. 2008. *Saccharomycotina, Saccharomycetales* page. In: *Tree of Life Web Project*. Eds. D. Maddison and W. Maddison. <http://tolweb.org/Saccharomycotina/29043>

Gilbertson, R.L. and M. Blackwell. 2011. *Wood-rotting fungi of the gulf coast states (USA and Mexico)* <http://lsb380.plbio.lsu.edu/wood-rotting%20fungi>

Blackwell, M., and R. L. Gilbertson. 2011. *A genealogy of North American mycologists* <http://lsb380.plbio.lsu.edu/Genealogy/Genealogy%20of%20North%20Americ>

An Oral History for Mycology. A series of interviews with mycologists from the 11th International Mycological Congress, San Juan, Puerto Rico, 16-21 August 2018. (M. Blackwell and R.A. Samson, organizers, Dustin Howard videographer). YouTube playlist: [https://www.youtube.com/watch?v=2RTaBlPdh88&list=PLIej3bb\\_klydh3b\\_N5ApE81iuWsyVfU9L](https://www.youtube.com/watch?v=2RTaBlPdh88&list=PLIej3bb_klydh3b_N5ApE81iuWsyVfU9L)

### Other Publications

Blackwell, M. 1988. *Mycological societies of the world: Mycological Society of America. Mycologist 2:22* doi: 10.1016/S0269-915X(88)80118-6

Blackwell, M. 1988. C. J. Alexopoulos. A brief history. *Transactions of the British Mycological Society* 90:153-158.



Blackwell, M. 1996. Writing proposals to appeal to the reviewer. *Inoculum: Newsletter of the Mycological Society of America* 47(1). From an MSA symposium, Keys to Success: What Ph.D. students in mycology need to know (can be searched from MSA web site home page).

Blackwell, M. 2000. Eumycota. *McGraw-Hill Encyclopedia of Science and Technology*. McGraw-Hill, New York.

Blackwell, M. 2001. *The yeasts, a taxonomic study*, fourth edition, by C. P. Kurtzman and J. W. Fell 1998, Elsevier, New York. (Book review). *Mycopathologia* 149:157-158.

Blackwell, M., H. H. Burdsall, Jr., J. P. Lindsey, K. K. Nakasone, and J. G. Palmer. 2001. A celebration of over 50 years in mycology. A tribute to Robert Lee Gilbertson: Introduction. *Harvard Papers in Botany* 6:5-13.

Vega, F. E., and M. Blackwell. 2005. Prospects for research on fungi and insects. P. 293-295. In: *Insect-Fungal Associations: Ecology and Evolution*, Eds. F. E. Vega and M. Blackwell. Oxford University Press, NY.

Blackwell, M., and F. E. Vega. 2005. Insect-fungal interactions. p. xiii-xvii. In: *Insect-Fungal Associations: Ecology and Evolution*, Eds. F. E. Vega and M. Blackwell. Oxford University Press, NY.

Blackwell, M, J. Spatafora, and J. Taylor. 2006. RCN: A Phylogeny for Kingdom Fungi (Deep Hypha). *Inoculum: Newsletter of the Mycological Society of America* 57(5):1-3.

Blackwell, M. 2006. C.J.A. –The last mycologist to be BSA President. *Plant Science Bulletin*, The Botanical Society of America 52:2-11.

Blackwell, M. 2006. How many yeasts? *Microbiology Today. Quarterly Magazine of the Society for General Microbiology* 33:160-164.

Blackwell, M. 2007. Henry Carl Aldrich: Odyssey of a Myxomycetologist. *Mycologia* 99:152-155.

Blackwell, M. IUBMS Invitation to host IBC 2017. 2008. *Taxon* 57:320.

Bidartondo, M.I. et al. (250 authors including M. Blackwell as third alphabetically listed author). 2008. Preserving accuracy in GenBank. *Science* 319:1616. [Letter to Science concerning incorrectly named sequences in GenBank]

Blackwell, M., E. Simmons, and S. Huhndorf. 2009. Margaret Elizabeth Barr Bigelow 1923–2008. *Mycologia* 101:281-283. doi: 10.3852/08-186

Gilbertson, R.L., and M. Blackwell. 2009. George Baker Cummins 1904–2007. *Mycologia*, 101:745–749. doi: 10.3852/09-032

Blackwell, M. 2010. Inside Story: Memorial Oak Grove and Fungi. *Treasures of LSU*, edited by Laura F. Lindsay, 2010, 272 pages, 168 color photos. LSU Press, Baton Rouge.

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Burdsall, H. H. Jr., M. Blackwell, and K. K. Nakasone. 2012. Robert Lee Gilbertson 1925 -2011. *Mycologia* 104:1521–1524. doi: 10.3852/12-118 (see also <http://lsb380.plbio.lsu.edu/Gil%20memorial.html>)

Blackwell, M., A. Y. Rossman, M. Palm, P. W. Crous. 2014. Emory Guy Simmons 1920–2013. *Mycologia* 106:610-614, doi: 10.3852/13-232 (see also <http://lsb380.plbio.lsu.edu/Emory%20memorial/Emory.html>)

Blackwell, M. 2015. CJ Alexopoulos as Alex Kosta. *Bulletin of the Hunt Institute for Botanical Documentation* 27(2): 8,9.

Blackwell, M. and R. A. Samson. 2018. An Oral History for Mycology. *IMA Fungus* 9: 63-64.

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### **SYMPOSIA ORGANIZED**

Fungus-Insect relationships. ESA, Eastern Branch and Cornell University, Syracuse and Ithaca, N.Y., October 1981 (Q. Wheeler and M. Blackwell, organizers).

Phylogeny of Fungi. IMC5, Vancouver, British Columbia, August 1994. (M. Blackwell and J. Sugiyama, organizers).

Deep Hypha annual meetings, Louisiana State University, 2002; Field Museum of Natural History, 2003, University of Tennessee, 2004; University of Arizona 2005; Louisiana State University, 2006 (M. Blackwell and J. W. Spatafora, organizers).

Symbiosis after 100 years, Mycological Society of America, Asheville, North Carolina, 18-21 July 2004 (M. Blackwell and C. W. Mims, organizers).

Insect-fungal associations: ecology and evolution. Society for Invertebrate Pathology, Helsinki, Finland, 1-6 August 2004 (F. E. Vega and M. Blackwell, organizers).

Insect associated Fungi. VIII International Mycological Congress, Cairns, Australia, 21 August 2006 (D. Six and M. Blackwell, organizers).

Progress in the phylogeny of fungi: One gene, four genes, whole genomes. IUMS, The XIIth International Congress of Mycology, Istanbul, Turkey, 5 to 9 August 2008 (M. Blackwell, organizer).

Outside and inside: The interactions of fungi and insects, 10th International Mycological Congress, Bangkok, Thailand, 3-8 August 2014 (Dmitry Schigel and M. Blackwell, organizers).

An oral history for mycology. 11th International Mycological Congress, San Juan, Puerto Rico, 16-21 August 2018. (M. Blackwell and R.A. Samson, organizers).

### **INVITED SYMPOSIUM PAPERS AND SEMINARS**

Invited Symposium Speaker. Resistant structures in the Myxomycetes. Second International Fungal Spore Symposium, Provo, Utah, July 1974 (with H. C. Aldrich).

Invited Symposium Speaker. Identification of airborne myxomycete spores. AIBS, Athens, Georgia, August 1978.

Invited Symposium Speaker. Fungi of the Sonoran Desert. MSA, Milestones in Mycology Program, Bloomington, Indiana, August 1981 (with R. L. Gilbertson) (Abstract).

Invited Symposium Speaker. Myxomycete life cycles and arthropod spore dispersers. Fungus-Insect Relationships. ESA, Eastern Branch and Cornell University, Syracuse and Ithaca, N.Y., October 1981.

Invited Symposium Speaker. Historical studies on fungus-insect relationships: an introduction to phylogenetic systematics. Fungus-Insect Relationships. ESA, Eastern Branch and Cornell University, Syracuse and Ithaca, N.Y., October 1981 (with Q. Wheeler).

Keynote Speaker, Spore dispersal in soybean pathogenic fungi. Louisiana Society of Electron Microscopists, Thibodaux, Louisiana, November 1983.

Invited Symposium Speaker. Host and geographical distribution of Gulf Coast wood-rotting fungi. MSA, Gainesville, Florida, August 1985 (with R. L. Gilbertson) (Abstract).

Invited Symposium Speaker. Fungal interfaces: ectoparasites of arthropods. MSA, Amherst, Massachusetts, August 1986 (Abstract).

Invited Symposium Speaker. Influence of arthropod dispersal on the evolution of fungal life cycles. Fungal-insect interactions: a mini-symposium, University of Oregon, Eugene, Oregon. April-May 1987.

Plenary Speaker. Origins of invertebrate pathogens: Fungi. Society for Invertebrate Pathology, College Park, Maryland, August 1989 (with D. Malloch).

Invited Symposium Speaker. Taxonomy and phylogeny of *Pyxidiophora*: molecular evidence. Taxonomy and Biology of the *Ophiostomatales* Symposium, Bad Windsheim, West Germany, August 1990 (with J.W. Spatafora, D. Malloch, and J.W. Taylor) (Abstract).

Invited Symposium Speaker. Dispersal biology of the ophiostomatoid fungi. Taxonomy and Biology of the *Ophiostomatales* Symposium, Bad Windsheim, West Germany, August 1990 (with D. Malloch) (Abstract).

Invited Symposium Speaker. Arthropod-mediated dispersal in coprophilous fungi. Fourth International Mycological Congress, Regensburg, West Germany, August-September 1990 (with D. Malloch).

Invited Symposium Speaker. Phylogenetic systematics of ascomycetes. Fungal Holomorph Conference, Newport, Oregon, August 1992.

Invited Symposium Speaker. Iterative germination in arthropod-associated fungi. MSA, Portland, Oregon, August 1992 (with D. Malloch) (Abstract).

Invited Symposium Speaker. Morphological convergence among arthropod dispersed fungi studied using cladistic analysis of molecular data. British Mycological Society-Systematics Association, Kew, England, November 1992 (with J. W. Spatafora).

Invited Symposium Speaker. Molecular systematics of unitunicate perithecial ascomycetes. First International Workshop on Ascomycete Systematics. Paris, France, May 1993 (with J. W. Spatafora).

Invited Symposium Speaker. Molecular data sets and broad taxon sampling in detecting morphological convergence. First International Workshop on Ascomycete Systematics. Paris, France, May 1993 (with J. W. Spatafora).

Presidential Speaker. Minute mycological mysteries: The influence of arthropods on the lives of fungi. Mycological Society of America. MSA, Athens, Georgia, June 1993 (Abstract).

Invited Symposium Speaker. Evolution of fungal mutualism with arthropods: Involvement of phoresy and parasitism. Society for Invertebrate Pathology, Ashville, North Carolina, August 1993 (with J. W. Spatafora).

Invited Symposium Speaker. Phylogenetic reconstruction as an aid to understanding the origins of symbiotic interactions. Gordon Research Conference on Fungal Metabolism, Hoderness School, Plymouth, New Hampshire, June 1994.

Invited Symposium Speaker. Phylogeny of filamentous fungi deduced from analysis of molecular characters, present and future. Fungal Taxonomy and Tropical Mycology: Quo Vadis? 100th Anniversary Celebration of MUCL, Louvain-la-Neuve, Belgium, June 1994.

Invited Symposium Speaker. Heterochrony in fungal life cycles. IMC5, Vancouver, British Columbia, August 1994 (with K. Jones and J. W. Spatafora) (Abstract).

Invited Symposium Speaker. Supraordinal classification of the ascomycetes inferred from molecular and other criteria: lichenized and non-lichenized pyrenomycetes. IMC5, Vancouver, British Columbia, August 1994.

Invited Symposium Speaker. Evolutionary simplification of the life cycles of obligate fungal associates of arthropods. International Union of Microbiological Societies Congresses, Mycology Division, Prague, Czech Republic, July 1994 (with K. G. Jones and S. C. Cassar) (Abstract).

Invited Symposium Speaker. Phylogeny of the mycelial fungi; an evaluation of molecular and morphological data. VI International Marine Mycology Symposium (a meeting of the British Mycological Society). Portsmouth, U.K., July 1995 (Abstract).

Invited Symposium Speaker. Key to successful funding--making your research relevant to non-mycologists. MSA, San Diego, August 1995.

Invited Symposium Speaker. A diversity of ascomycetes associated with so many arthropods. British Mycological Society, Centenary, Sheffield, April 1996.

Invited Symposium Speaker. NSF-sponsored Nematode Workshop participant, Tucson, Arizona, July 1997.

Invited Symposium Speaker. Southern Forest Insect Work Conference, Folly Beach, South Carolina, August 1997.

Invited Symposium Speaker. Phylogeny of phoretic and parasitic fungi associated with insects. Joint American Pathological Society/Entomological Society of America, Las Vegas, Nevada, November 1998.

Invited Symposium Speaker. Teaching Mycology in China. Beijing, China, Spring 1998 (did not attend).

Plenary Speaker. Fungi that fly: associations of fungi with insects and the consequences. XVI International Botanical Congress, St. Louis, Missouri, August 1999.

Invited Symposium Speaker. Tri-cycle, bi-cycle, life cycle: variations on zygotic meiosis. Centraalbureau voor Schimmelcultures Symposium, Mycology in the 21st Century: morphology, DNA and in the phylogeny and taxonomy of the Fungi, Amsterdam, The Netherlands, May 2000.

Invited Symposium Speaker. The impact of molecular systematics on mycology instruction. MSA, Burlington, Vermont, July-August 2000.

Plenary Speaker. Ascomycete associates of insects. VII Congreso Nacional de Micología of the Sociedad Mexicana de Micología A.C. Querétaro, Mexico, October 2000.

Invited Symposium Speaker. Research Coordination Network in Biological Sciences: A Phylogeny for Kingdom Fungi (Deep Hypha). IUMS Congress, Paris, France, July-August 2002 (with J.W. Spatafora and J. W. Taylor) (Abstract).

Invited Symposium Speaker. Changes in nutritional mode within lineages of insect-associated fungi. IMC7. Oslo, August 2002 (Abstract).

Invited Symposium Speaker. Biodiversity of arthropod-associated fungi: what do we know? What can we predict? IMC7. Oslo, August 2002. (with A. Weir, M. Hughes, M. White, M. Cafaro, R. W. Lichtwardt, and S.-O. Suh) (Abstract).

Invited Symposium Speaker. One hundred undescribed yeasts from the guts of beetles. Entomological Society of America, Fort Lauderdale, Florida, November 2002. (with S.-O. Suh, and J. V. McHugh) (Abstract).

Keynote Speaker. An inordinate fondness for yeasts. Toronto Mycology Workshop, York University, Toronto, Ontario, 8-9 February 2003.

Invited Symposium Speaker. George Cummins at 100. Symbiosis after 100 years honoring George Baker Cummins. MSA, Asheville, North Carolina, 20 July 2004.

Invited Symposium Speaker. Fungal biotrophic parasites of insects and other arthropods. Society for Invertebrate Pathology, Helsinki, Finland, August 2004. (with A. Weir) (Abstract).

Invited Symposium Speaker. Fungi in the hidden environment: The beetle gut. British Mycological Society, University of Nottingham, Nottingham, UK, 13-15 September 2004. (with S.-O. Suh, J. B. Nardi)

Graduate Student Invited Speaker. The hidden environment: Fungi in the gut of beetles. Department of Entomology and Plant Pathology, Mississippi State University, Starkville, Mississippi, 22 October 2004.

Keynote speaker. An inordinate fondness for fungi. Biology05, Swiss Zoological, Botanical and Mycological Societies, Basel, Switzerland, 24-25 February 2005.

Invited Seminar Speaker. Insect-associated fungi: An inordinate fondness for yeasts. Departments of Entomology and Plant Biology, University of Illinois, Urbana, 11 April 2005.

Keynote speaker, Plenary Session. Dry that specimen! Kill that mite! Lost clues to high microbial diversity. IXth International Congress of Mycology, San Francisco, 23-28 July 2005.

Invited Seminar Speaker. Beetlebellyeasts: Unexpected species diversity. Insect Biocontrol Laboratory Lecture Series, ARS, USDA, Beltsville, Maryland, 14 September 2005.

Invited Seminar Speaker. Beetlebellyeasts: Unexpected species diversity. Department of Entomology, University of Georgia, Athens, 19 September 2005.

Invited Seminar Speaker. Alga, worm, fungus? Extreme morphological convergence. Museum of Natural Science, LSU, Baton Rouge, 27 January 2006.

Invited Symposium Speaker. Microbial communities in the gut of wood-ingesting beetles. IMC 8, Cairns, Australia. August 2006.

Invited Seminar Speaker. Beetlebellyeasts. Department of Entomology, Penn State University. December 2006.

Invited Seminar Speaker. BeetleBelly Yeasts: Microbes from the Gut of Beetles. Department of Entomology, Clemson University. 12 February 2007.

Instructor. Fungal Tree of Life Workshop, BIOTEC, Bangkok, Thailand, 4-6 February 2007.

Invited Participant. BarTOL Workshop. Durham, NC., 19-20 April 2007.

Invited Lecturer. Alga, worm, fungus? Extreme morphological divergence. Mid-Atlantic States Mycology Conference, Beltsville, Maryland, 21 April 2007.

Invited Symposium Speaker. Microbes in the gut of beetles: A comparison of mushroom and wood-ingesting beetles. Seminar presented to Department of Biology, Howard University, Washington DC, 23 April 2007.

Invited Seminar Speaker. Yeasts Across the Gulf Divide. MSA, Baton Rouge, Louisiana, August 2007. (with Sung-Oui Suh and Nhu H. Nguyen) (Abstract)

Invited Symposium Speaker. Funding possibilities USA. Fungal Environmental Sampling and Informatics Network (FESIN), Dragør, Norway, September 2007 (with Karen Hughes and A. Elizabeth Arnold).

Invited Seminar Speaker. BeetlebellyYeasts. Department of Entomology, University of Maine, Bangor, 4 April 2008.

Invited Symposium Speaker. BeetlebellyYeasts. Seminars presented to the Louis Stokes Alliance for Minority Participation, University of Puerto Rico, Rio Piedras and Mayaguez, 31 April – 1 May 2008.

Invited Symposium Speaker. Carlos Chardón Lecture, Puerto Rican Mycological Society (SPM), Universidad del Turabo, Gurabo, PR 29 April-4 May 2008.

Invited Symposium Speaker. Fungal-Insect Interactions: Yeasts in the Guts of Beetles. American Society of Microbiology, The Fungal Kingdom Symposium, sponsored by American Academy of Microbiology, Boston, Massachusetts 3 June 2008.

Invited Symposium Speaker. PCR-Independent Analysis of Active Microbial Communities. E. L. Brodie, K. C. Goldfarb, R. A. Daly, J. Pett-Ridge, N. H. Nguyen, T. Z. DeSantis, Y. M. Piceno, S. Gross, M. M. Blackwell, G. L. Andersen. American Society of Microbiology, Boston, Massachusetts 1-5 June 2008.

Invited Symposium Speaker. Rockefeller Foundation, Bellagio Study and Conference Center, Entomopathogenic fungi in sustainable agriculture: their use against insects and beyond. Organized by Fernando E. Vega and Mark S. Goettel. 23-27 June 2008.

Invited Symposium Speaker. American Phytopathological Society, Special Symposium, Assembling the Fungal Tree of Life: From Linnaeus to Deep Hypha and Beyond. Fungal phylogeny: it takes a community. Minneapolis, 30 July 2008.

Organizer and Invited Symposium Speaker. IUMS, XIIth International Congress of Mycology, Organizer, Progress in the phylogeny of fungi: one gene, four genes, genomes. Community-wide progress toward a fungal phylogeny. Istanbul, Turkey, 5-9 August 2008.

Invited Seminar Speaker. It takes a community: the fungal tree of life. Museum of Natural Science, LSU, Baton Rouge, 23 January 2009.

Plenary Speaker. Insects in the lives of Fungi, Pathogenic and Symbiotic Interactions, Fungal Genetics Conference, Asilomar, California, 17-22 March 2009.

Invited Seminar Speaker. It takes a community. Insect Biocontrol Laboratory Lecture Series, ARS, USDA, Beltsville, Maryland, 20 May 2009.

Keynote Speaker, International Conference on Fungal Evolution and Charles Darwin: From Morphology to Molecules. Fungi in the tree of life: from plants to their rightful realm, Pathumthani, Bangkok, Thailand, 9-11 July 2009.

Invited Seminar Speaker. It takes a community: the fungal tree of life. Rutgers University, New Brunswick, 2 October 2009.

Special Invited Speaker. Fungi in our environment. National Geographic Society Biologists. 26 October 2009.

Invited Symposium Speaker. Gut yeasts in insects: biodiversity and application. S.-O. Suh and M. Blackwell. Origin of biodiversity by biological interactions. Tokyo, Japan, 22-23 November 2009.

Invited Speaker. Habitat Destruction: Picking mushrooms. North American Mycological Association, National Foray. Lafayette, Louisiana. 27 November 2009.

Invited Symposium Speaker. The International Union for the Study of Social Insects, IUSI2010, Insect-microbe symbioses as evolutionary innovation. Copenhagen. 8-14 August 2010.

Keynote Speaker. Fundamental Fungi. Institute of Medicine's Forum on Microbial Threats Fungal Diseases: An emerging threat to human, animal, and plant health. Washington, D.C. 14-15 December 2010.

Invited Symposium paper. Diversidad de hongos levaduriformes asociados al tracto intestinal de escarabajos pasálidos. Hector Urbina, Jack Schuster, and Meredith Blackwell. Latin American Mycological Association, VII Latin American Mycological Congress. San José, Costa Rica. 18-21 July 2011.

Invited Speaker. The gut of beetles: yeast diversity hotspot. Department of Microbiology and Cell Science. University of Florida, Gainesville, 14 November 2011.

Invited Symposium Speaker. Biochemical characters support fungal lineages. Using Cellular Structure and Biochemistry as Indicators of Fungal Phylogeny, organized by Robby Roberson and Brian Shaw. MSA, New Haven, Connecticut, 15-18 July 2012 (with J. D. Weete and M. Abril)

Plenary Speaker. The gut of beetles: microbial diversity. Entomology and Pathology Symbioses. Southern Forest Insect Work Conference and Southwide Forest Disease Workshop, Charlottesville, Virginia, 24-27 July 2012.

Invited symposium paper. A Biogeographical Study of the Xylose-Fermenting Yeasts from the Gut of Passalid Beetles (Hector Urbina and Meredith Blackwell). ICY, Madison, Wisconsin, 26-30 August 2012.

Invited symposium paper. Yeasts associated with fungus-feeding beetles in Old and New Worlds. (Hector Urbina, Sung-Oui Suh, Janet Jennifer Luangsa-ard, and Meredith Blackwell). ICY, Madison, Wisconsin, 26-30 August 2012.

Plenary speaker. Association of Southeastern Biologists. Charleston WV, 10-13 April 2013.

Invited lecture. Smaller than a Laboul: Thaxter's teeny tinies. Friends of the Farlow, Cambridge Massachusetts, 9 November 2013.

Invited speaker. Beetlebellyeasts: yeasts in the gut of beetles, Boston Mycological Club, Cambridge,

Massachusetts, 17 February 2014.

Invited speaker (declined because of conflict). Microbial Systems Seminar (organized by student Kathryn Kauffman) Massachusetts Institute of Technology, Cambridge Massachusetts, 12 March 2014.

Invited speaker. *Fungi Everywhere: Revision of the Alexopoulos Introductory Mycology* Textbook, Radcliffe Fellow Presentation, Cambridge Massachusetts, 30 April 2014.

Invited symposium paper. Fungi inside: geographical patterns of gut-inhabiting yeasts from wood-feeding passalid beetles (Hector Urbina and Meredith Blackwell). Outside and inside: The interactions of fungi and insects. 10<sup>th</sup> IMC, Bangkok, Thailand, 3-8 August 2014.

Invited speaker. Emory Simmons. Second International Workshop on Ascomycete Systematics, CBS Symposium Week 2015, Trippenhuis, Royal Netherlands Academy of Arts and Sciences, Amsterdam, April 22 and 23 2015.

Invited speaker. New lineages of insect related yeasts. Second International Workshop on Ascomycete Systematics, CBS Symposium Week 2015, Trippenhuis, Royal Netherlands Academy of Arts and Sciences, Amsterdam, April 22 and 23 2015.

Invited speaker. Meredith Blackwell and Danny Haelewaters: Laboulbeniomycetes. Second International Workshop on Ascomycete Systematics, CBS Symposium Week 2015, Trippenhuis, Royal Netherlands Academy of Arts and Sciences, Amsterdam, April 22 and 23 2015.

Fungi in the built environment: next steps. Alfred P. Sloan Foundation Berkeley, California. October 2, 2014 (after dinner speaker).

Invited speaker. Department of Agricultural and Environmental Sciences, Clemson University, Clemson, South Carolina, 1 February 2016.

Invited speaker. South Carolina Upstate Mycological Society. Clemson, South Carolina, 1 February 2016.

Invited speaker. Mushroom Club of Georgia. Atlanta, Georgia, 3 February 2016.

Honorary guest. CBS Symposium Week. Fungi and Global Challenges. Utrecht, Netherlands, 13-15 April 2016.

Invited speaker. Brazilian Mycological Congress. Universidade Federal de Santa Catarina, Florianópolis, Southern Brazil, 3-6 October 2016. Declined.

Invited speaker. Insects and yeasts. Fungal-Insect Symbioses - From Invasives to Biocontrol, Mycological Society of America, 17 July 2017

Javier A. Ceja-Navarro, Ulas Karaoz, Zhao Hao, Richard A. White III, Mary S. Lipton, Joshua N. Adkins, Marco Voltolini, Timothy Filley, Meredith Blackwell, Jennifer Pett-Ridge, Eoin L. Brodie. Microbial and environmental structure in the gut of the wood-feeding beetle *Odontenius disjunctus* illustrate mechanisms for energy and nutrient extraction from lignocellulose. Microbiomes for the deconstruction of plant biomass, Society for Industrial Microbiology and Biotechnology, Denver, Colorado 30 July- 3 August, 2017.

Invited speaker. Lives within lives: the hidden fungal biodiversity within insects, mites, and plants. Leading Women in Fungal Biology Symposium. CBS-KNAW, Utrecht Uithof. 30-31 August 2017 (with Fernando Vega)

Interviewer. An oral history for mycology. 11th International Mycological Congress, San Juan, Puerto



Rico, 16-21 August 2018. (M. Blackwell and R.A. Samson, organizers). 31 interviews were video recorded during the congress and were posted on YouTube by videographer, Dustin Howard.

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### WORKSHOPS

Fungal Tree of Life Workshop, BIOTEC, Thailand Science Park, Pathumthani, Thailand. 5-7 February 2007 (with Joseph W. Spatafora and Jennifer Luangsa-ard).

Fungal Environmental Sampling and Informatics Network (FESIN), Dragør, Norway, 13- 15 September 2007.

The American Academy of Microbiology Colloquium, Pathogenic Fungi: A Global Perspective. Invited participant. Tucson, Arizona. 2-4 November 2007 (declined due to conflict).

Yeast Workshop, Introductory Lecture and Beetlebelly Yeasts, Universidad del Turabo, Gurabo, PR, 2 May 2008.

Fungal Tree of Life Workshop, BIOTEC, Thailand Science Park, Pathumthani, Thailand. 9-11 February 2009 (with Jennifer Luangsa-ard).

Fungi in the built environment: next steps. Alfred P. Sloan Foundation Berkeley, California. October 2-3, 2014 (participant).

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### ABSTRACTS AND CONTRIBUTED PAPERS

Food vacuole destiny in a new myxomycete. Texas Society of Electron Microscopists, Huntsville, Texas, May 1972 (Abstract).

A new species of the genus *Licea* (Myxomycetes). Alexopoulos Appreciation Day. Amherst, Massachusetts, June 1972 (Abstract).

Entomogenous fungi associated with termites. Association of Southeastern Biologists, Blacksburg, Virginia, April 1975 (Abstract).

Use of pigment separation as a taxonomic character in the *Trichiaceae* (Myxomycetes). Michigan Academy of Arts and Sciences, Ypsilanti, March 1978 (with A. Busard).

Distribution, host specificity, and variation of *Arthrorhynchus nycteribiae* and *A. eucampsipodae* (*Laboulbeniomyces*). Mycological Society of America, Stillwater, Oklahoma, August 1979 (Abstract).

Myxomycetes in different vegetation zones of Arizona. MSA, Tucson, Arizona, August 1980 (with R. L. Gilbertson) (Abstract).

A genealogy of American mycologists. MSA, Bloomington, Indiana, August 1981 (with R. L. Gilbertson) (Abstract).

Myxomycete-arthropod associations. BSA(M), University Park, Pennsylvania, August 1982 (Abstract).

Wood-rotting basidiomycetes associated with *Quercus virginiana* Lam. ASB, Lafayette, Louisiana, April 1983 (with R. L. Gilbertson).

Cultural studies of wood-rotting basidiomycetes from the Sonoran Desert. MSA, Ames, Iowa, June 1983 (with R. L. Gilbertson) (Abstract).

Fungi which decay bark of living live oak trees. MSA, Ames, Iowa, June 1983 (with R. L. Gilbertson) (Abstract).

Distribution and sporulation phenology of myxomycetes in the Sonoran Desert of Arizona. MSA, Fort Collins, Colorado, August 1984 (with R. L. Gilbertson) (Abstract).

Biogeography of fungal obligate parasites of termites. MSA, Fort Collins, Colorado, August 1984 (with W. Rossi) (Abstract).

The chemical basis of Melzer's reaction. MSA, Gainesville, Florida, August 1985 (with A. J. Kinney, P. T. Radford, C. M. Dugas, and R. L. Gilbertson) (Abstract).

The exudate of *Inonotus dryadeus*. MSA, Gainesville, Florida, August 1985 (with G. M. W. Adams) (Abstract).

*Pyxidiophora-Thaxteriola*. Specialization for mite dispersal. MSA, Amherst, Massachusetts, August 1986 (with J. R. Bridges, J. C. Moser, and T. J. Perry) (Abstract).

Relationships of the *Laboulbeniales*. MSA, Ottawa, Ontario, June 1987 (with D. Malloch) (Abstract).  
A reassessment of the genus *Pyxidiophora*. MSA, Davis, California, August 1988 (with D. Malloch) (Abstract).

Similarity of the adhesive conidia of *Basidiobolus* to thalli of *Amphoromorpha*. MSA, Toronto, Ontario, August 1989 (with D. Malloch) (Abstract).

The importance of arthropod dispersal in coprophilous habitats. MSA, Toronto, Ontario, August 1989 (with D. Malloch) (Abstract).

Dispersal biology of *Stylopage anomala*. MSA, Madison, Wisconsin, June 1990 (with D. Malloch) (Abstract).

New evidence from an anamorph for the removal of *Pyxidiophora* from the *Hypocreales*, MSA, Madison, Wisconsin, June 1990 (with J. W. Spatafora, D. Malloch, J. W. Taylor) (Abstract).

Description of a unique cuticular fungus infecting Japanese beetle larvae. Entomological Society of America, New Orleans, December 1990 (with J. L. Hanula and T. J. Andreadis) (Abstract).

Nuclear-encoded small-subunit ribosomal DNA and ascomycete evolution. Mycological Society of America, San Antonio, August 1991 (with J. W. Spatafora) (Abstract).

Convergent evolution among arthropod-dispersed perithecial ascomycetes. MSA, Portland, Oregon, August 1992 (with J. W. Spatafora) (Abstract).

Taxonomic studies of the form genus *Ambrosiella* based upon rDNA sequences. MSA, Portland, Oregon, August 1992 (with S. Cassar and J. W. Spatafora) (Abstract).

*Laboulbeniales* associated with phoretic mites of dung beetles. MSA, Portland, Oregon, August 1992 (with K. M. Robertson) (Abstract).

Analysis of *Pyxidiophora* spp. using rDNA sequences. MSA, Portland, Oregon, August 1992 (with B. E. Sawyer and J. W. Spatafora) (Abstract).

Monophyly and higher level systematics of ascomycetes. MSA, Portland, Oregon, August 1992 (with J. W. Spatafora) (Abstract).

Phylogenetic origins of ambrosia fungi in the form genus *Ambrosiella*. First International Workshop of Ascomycete Systematics. Paris, France, May 1993 (with S. Cassar).

Life histories of three undescribed species of *Pyxidiophora* occurring on beached marine algae. MSA, Athens, Georgia, June 1993 (with D. Malloch) (Abstract).

Assessment of patterns of host-mediated isolation in mutualistic fungi of ambrosia beetles (*Coleoptera*; *Scolytidae*). MSA, Athens, Georgia, June 1993 (with S. Cassar) (Abstract).

Evolution of conidium types in *Pyxidiophora*. IMC5, Vancouver, British Columbia, August 1994 (with H. Johnson, B. Sawyer, K. Jones, and D. Malloch) (Abstract).

Yeast and yeast-like endosymbionts of anobiid beetles. MSA, San Diego, California, August 1995 (with K. G. Jones and P. F. Dowd) (Abstract).

An investigation of position specificity in *Stigmatomyces* using molecular methods. MSA, San Juan, Puerto Rico, June 1998 (with A. Weir) (Abstract).

Molecular phylogeny of *Melanospora* Corda and similar pyrenomycetous fungi. XVI International Botanical Congress, St. Louis, Missouri, August 1999 (with N. Zhang) (Abstract).

Yeasts from the gut of Coleoptera: isolation and molecular phylogeny. XVI International Botanical Congress, St. Louis, Missouri, August 1999 (with S.-O. Suh) (Abstract)

Phylogenetic position of the termite ectoparasitic *Termitaria snyderi* and *Laboulbeniopsis termitarium*. XVI International Botanical Congress, St. Louis, Missouri, August 1999 (with D. Henk, K. G. Jones, and A. Weir) (Abstract).

Host specificity: *Stigmatomyces* (Fungi; Ascomycota) parasitic on *Ochthera* (Diptera; Ephydriidae). XVI International Botanical Congress, St. Louis, Missouri, August 1999 (with A. Weir and W. Rossi) (Abstract).

Fossil bacteria 3.4 Ga and fungi of unknown age in Archean cherts: distinguishing microfossils of different ages using light and electron microscopy and TOF-SIMS. Geological Society of America, Denver, Colorado, October 1999 (with M. M. Walsh, F. Westfall, A. Steele) (GSA Abstracts, Vol. 31, No. 7, October 1999).

Molecular phylogenetic studies on *Endomyces scopularum*, a mushroom parasite. MSA, Burlington, Vermont, July-August 2000 (with S.-O. Suh) (Abstract).

Higher level classification of the Laboulbeniales. MSA, Burlington, Vermont, July-August 2000 (with A. Weir) (Abstract).

Molecular Phylogeny of dogwood anthracnose fungus and the Diaporthales. MSA, Burlington, Vermont, July-August 2000 (with N. Zhang) (Abstract).

Group I introns from fungal nuclear SSU rDNA: characterization of 16 additional introns. MSA, Burlington, Vermont, July-August 2000 (with S.-O. Suh) (Abstract).

Population Genetics of Dogwood Anthracnose Fungus (*Discula destructiva* Redlin). MSA, Salt Lake City, Utah, August-September 2001 (with N. Zhang) (Abstract).

Glycine betaine in fungi. MSA, Salt Lake City, Utah, August-September 2001 (with D. J. Longstreth, C. David, and S. A. Barker) (Abstract).

Yeasts from the gut of Coleoptera: taxonomic characteristics and molecular phylogeny. MSA, Salt Lake City, Utah, August-September 2001 (with S.-O. Suh and J. V. McHugh) (Abstract).

One hundred new species of yeasts. MSA, Corvallis, Oregon, June 2002 (with S.-O. Suh and J. V. McHugh) (Abstract).

Effect of starvation of basidiocarp-feeding beetles on suspected yeast endosymbionts. MSA, Asilomar, California, July 2003 (with N. H. Nguyen and S.-O. Suh) (Abstract).

One to 42 taxa: Expansion of the *Candida tanzawaensis* yeast clade from basidiocarp-feeding beetles. MSA, Asilomar, California, July 2003 (with S.-O. Suh and J. V. McHugh) (Abstract).

Accompanied by xylose-fermenting yeasts: Beetle radiations into wood. MSA, Asilomar California, July 2003 (with S.-O. Suh, C. Marshall, and J. V. McHugh) (Abstract).

Yeasts from the gut of insects. Department of Biology, Howard University, Washington, DC, Departmental seminar speaker, 20 or 23 April, 2007.

Is it an Alga? A Worm? A Fungus? Extreme morphological divergence. Middle Atlantic States Mycology Conference (MASMC 2007), Annual Lecturer, Beltsville, Maryland, 20-22 April 2007.

Spatial characterization of the prokaryotic community structure in the passalid beetle gut using a high-density 16S rRNA PhyloChip. American Society for Microbiology, Toronto, Ontario, May 2007 (with E. L. Brodie, N. Nyugen, T. Z. DeSantis, S. Gross, S.-O. Suh, J. B. Nardi, T. D. Bruns, and G. L. Andersen) (Abstract).

Isolation, isolation, isolation: Fungi, beetle guts, asexual reproduction, and killer factors. SURF, Baton Rouge, Louisiana, August 2007 (with S. Lu, S. Gross, and S.-O. Suh).

Diet and its effect on the abundance of endosymbiotic gut yeast found in a wood-boring beetle *Odontotaenius disjunctus*: Passalidae. MSA, Baton Rouge, Louisiana, August 2007 (with S. Gross and S.-O. Suh) (Abstract).

Yeasts near *Candida albicans* isolated from plant-associated insects. MSA, Baton Rouge, Louisiana, August 2007 (with S.-O. Suh and N. H. Nguyen) (Abstract).

Novel Applications of NanoSIMS and High Density Microarrays. With Eoin Brodie, Jennifer Pett-Ridge, Peter Weber, Gary Andersen, Meredith Blackwell, Nhu Nguyen, Katherine Goldfarb, Stephanie Gross, Sung-Oui Suh, James Nardi, Thomas Bruns, and Paul Hoeplich. DOE. Genomics: DoE, Genomic Science Workshop, GTL Awardee Workshop, Metabolic Engineering Working Group Interagency Conference on Metabolic Engineering. Bethesda, Maryland, 10–13 February 2008.

PCR-Independent Analysis of Active Microbial Communities. E. L. Brodie, K. C. Goldfarb, R. A. Daly, J. Pett-Ridge, N. H. Nguyen, T. Z. DeSantis, Y. M. Piceno, S. Gross, M. M. Blackwell, G. L. Andersen. American Society of Microbiology, Boston, Massachusetts 1-5 June 2008.

Microarrays + NanoSIMS: Linking Microbial Identity and Function. J. Pett-Ridge, E. Brodie, P. Hoeplich, G. Andersen, M. Blackwell, P. K. Weber. American Society of Microbiology, Boston, Massachusetts 1-5 June 2008.

Xylose fermenting genes: present in the *Candida tanzaewansis* clade associated with mushroom-feeding beetles. MSA, Snowbird, Utah, July 2009 (with H. Urbina).

Sterol distributions support phylogenetic placement of diverse fungal clades. MSA, Snowbird, Utah, July 2009 (with J. D. Weete and M. Abril) (Abstract).

Stable Isotope Probing of RNA combining phylogenetic microarrays and Secondary Ion Mass Spectrometry (nanoSIMS) to link composition and function in microbial systems. Xavier Mayali, Peter K. Weber, Eoin L. Brodie, Todd Z. DeSantis, Ulas Karaoz, Gary L. Andersen, Meredith M. Blackwell, Stephanie R. Gross, Shalini Mabery, Paul D. Hoeprich, Ian D. Hutcheon, and Jennifer Pett-Ridge. DoE, Genomic Science Workshop, GTL Awardee Workshop, Arlington, Virginia, 7-10 February 2010.

AFTOL Structural and Biochemical Database: an informatics resource for fungal subcellular and biochemical data. T. K. Arun Kumar, Trevor Wennblom, David J. McLaughlin, Peter M. Letcher, Maritza Abril, Meredith Blackwell, Robert W. Roberson. Minnesota Supercomputing Institute 25th Anniversary Research Exhibition, University of Minnesota, 30 April 2010.

*Candida tanzawaensis*: a diverse clade associated with basidiomata-feeding beetles. Urbina, H. S.-O. Suh., J. J. Luangsa-ard., and M. Blackwell. MSA, Fairbanks, Alaska, 31 July-5 August 2011.

Gulf coast tarball-associated yeasts: understudied agents of microbial hydrocarbon degradation and potential human pathogens. Albu, S., M. Blackwell, and M. C. Aime. MSA, Fairbanks, Alaska, 31 July-5 August 2011.

*Orbilia* ultrastructure and Pezizomycotina phylogeny. Kumar, A., R. A. Healy, J. W. Spatafora, M. Blackwell, and D. L. McLaughlin. MSA, Fairbanks, Alaska, 31 July-5 August 2011.

Yeast species richness associated with the wood roach *Cryptocercus* sp. Frank, J. R., H. Urbina, and M. Blackwell. MSA, Fairbanks, Alaska, 31 July-5 August 2011.

Diversity of novel xylose-fermenting yeasts associated with the gut of passalid beetles. Urbina, H., and M. Blackwell. MSA, Fairbanks, Alaska, 31 July-5 August 2011.

Characterization of H<sub>2</sub> producing microbial communities of the wood-feeding beetle *Odontotaenius disjunctus* by multi-scale measurement of metabolic function. J. A. Ceja-Navarro, P. K. Weber, M. Nyssönen, Z. Hao, H.-Y. Holman, M. M. Blackwell, J. Pett-Ridge, E. L. Brodie. Genomic Science Awardee Meeting, Bethesda, Maryland, 26-29 February 2012.

Xylose-fermenting yeasts from the gut of passalid beetles: geographical distribution. Urbina, H., J. J. Luangsa-ard, S.-O. Suh, and M. Blackwell. MSA, New Haven, Connecticut, 17 July 2012.

The gut of arthropods: a source for isolation of new *Trichomonascus* species. Urbina, H., S.-O. Suh, and M. Blackwell. MSA, New Haven, Connecticut, 17 July 2012.

Poster presentation. Phylogenetic Study of the Xylose Reductase *XYL1* in Insect Gut Yeasts (Hector Urbina and Meredith Blackwell). ICY, Madison, Wisconsin, 27-30 August 2012. (Student poster prize)

The Passalid Beetle (*Odontotaenius disjunctus*) and its Microbial Functional Potential: Lignocellulosic Deconstruction to Potential Biofuels. J. A. Ceja-Navarro, M. Nyssönen, M. Bill, M. Cornrad, Z. Hao, T. Filley, M. Blackwell, J. Pett-Ridge, E. L. Brodie. American Society of Microbiologists, Denver, Colorado, 18-21 May 2013.

Evolutionary history of ascomyceteous Yeasts. Haridas, S., R. Riley, A. Salamov, C. P. Kurtzman, M. Blackwell, I. Grigoriev, T. W. Jeffries. MSA, East Lansing, Michigan, 8-12 June 2014.

Trends and impact of host utilization in beetles. Robertson, J. A., M. F. Whiting, A. Ślipiński, M. Blackwell, J. V. McHugh. Entomological Society of America, Portland, Oregon, 16-19 November 2014.

Genomic sequencing reveals four major yeast clades of biotechnological interest. T. W. Jeffries, S. Haridas, A. Salamov, R. Riley, M. Göker, C. T. Hittinger, H.-P. Klenk, C. Kurtzman, M. Blackwell, K. Wolfe,

and I. Grigoriev. 37th Symposium on Biotechnology for Fuels and Chemicals, Society for Industrial Microbiology and Biotechnology. San Diego, California, 27-30 April 2015.

Genomic evolution of the ascomycetous yeasts. Fungal Genetics Conference Asilomar Conference Center, Pacific Grove, California. 17-22 March 2015.

The passalid beetle (*Odontotaenius disjunctus*) microbiome and its metabolic potential for lignocellulose degradation. J. A. Ceja-Navarro, U. Karaoz, Z. Hao, M. Bill, M. Conrad, T. Filley, R. A. White III, M. S. Lipton, J. Adkins, M. Blackwell, J Pett-Ridge, E. L. Brodie. American Society for Microbiology, New Orleans, Louisiana, 30 May-2 June 2015.

Javier A. Ceja-Navarro, Ulas Karaoz, Zhao Hao, Markus Bill, Richard A. White III, Mary S. Lipton, Joshua N. Adkins, Timothy Filley, Meredith Blackwell, Xavier Mayali, Peter Weber, Jennifer Pett-Ridge, Eoin L. Brodie. 2016. Multi-omics Approaches unveil microbial transformations of lignocellulose in the gut of the wood-feeding beetle *Odontotaenius disjunctus*. Annual DOE JGI Genomics of Energy & Environment Meeting, Walnut Creek, California, 23-24 March 2016.

Distribution, host specificity, and variation in *Arthrorhynchus nycteribiae* and *A. eucampsipodae* (Laboulbeniomyces), an update. Tamara Szentiványi, Walter P. Pfliegler, Attila D. Sándor, Meredith Blackwell, and Danny Haelewaters. 18<sup>th</sup> International Bat Research Conference, The Slate, Phuket, Thailand, 28 July-1 August 2019

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## FUNDING

### Previous Funding

A Study of the Distribution, Development, and Evolution in *Laboulbeniomyces* Restricted to Bat Flies (*Diptera: Nycteribiidae*). Mellon Faculty Development Grant. Hope College. Summer 1976. \$1,600.

A Study of the Distribution, Development, and Evolution of *Laboulbeniomyces* Restricted to Bat Flies (*Diptera: Nycteribiidae*). Research Corporation. 1976. \$3,835.

Project Director. NSF Instructional Equipment Program. (Purchase of scanning electron microscope). 1976. \$15,800.

Sonoran Desert *Myxomycetes*. Mellon Faculty Development Grant. Hope College. Summer 1979. \$1,600.

Biosystematic Studies of Sonoran Desert *Myxomycetes*. NSF DEB-8008077 (Ecology). 1979-1981. \$30,393.

Biosystematic Studies of Sonoran Desert *Myxomycetes*. NSF DEB-8205625 (Ecology). 1982-1983. \$6,869.

A Study of Arthropod Dispersal of Myxomycete Spores. Faculty Research Stipend LSU. Summer 1982. \$3,850.

Distribution of Aflatoxin-Producing Fungi in Corn. USDA (cooperative agreement). 1982-1985. \$15,000.

Development, Taxonomy, and Host Relations of *Thaxteriola* and its *Pyxidiophora* Teleomorph. NSF BSR-8604656 (Systematics). 1986-1989. \$90,000.

A Continuing Study of the Phylogeny of *Pyxidiophora*. NSF BSR-8918157 (Systematics). 1990-1993. \$200,001. REU Supplement to NSF BSR-8918157. NSF (Systematics). 1991. \$10,000. REU Supplement to NSF BSR-8918157. 1992. \$10,000.

A Continuing Study of the Phylogeny of *Pyxidiophora*. LEQSF RD-A 137-90-5120. 1990-1991. \$6,000.

Equipment for Molecular Cryptogamic Botany. LEQSF (1991-1992) ENH-10. 1991-1992. \$50,000 (Blackwell, P.I. with R.L. Chapman, J.V. Moroney, S.C. Tucker)

Two Independent Data Sets, SSU rDNA and vATPase, and Pyrenomycete Evolution. NSF BSR-9101088 (Doctoral Dissertation Improvement). 1991-1993. \$12,850 (with J. W. Spatafora).

Development of an Interdisciplinary Center in Molecular Evolution. NSF LASER/EPSCoR 92-96-ADP-02. 1992-1996. \$1,641,276 total, \$1,358,302 net. (M. Hafner, P.I., with 12 CoPIs).

Molecular Studies of Fungal Symbionts. NSF DEB-9208027 (Systematics). 1993-1997. \$320,000. REU Supplement to NSF DEB-9208027. 1993. \$10,000. REU Supplement to NSF DEB-9208027. 1994. \$5,000. REU Supplement to NSF DEB-9208027. 1995. \$10,000.

Support for Plant Molecular Biology. LEQSF. 1995-1996. \$130,300. (L. Urbatsch, P.I.)

Phylogeny of Laboulbeniales. NSF DEB-9615520 (Systematics). 1997-2001. \$195,000. REU Supplement to NSF DEB-9615520. 1997. \$5,000. Supplement to NSF DEB- 9615520. 1998. \$12,000. REU Supplement to NSF DEB-9615520. 1999. \$10,000.

Dissertation Research: Comparison of genetic variation and breeding systems of *Clidemia hirta* (Melastomataceae) between native and introduced populations. NSF DEB-0073246. 2000-2002. (with Saara DeWalt -- Blackwell was stand-in for Julie Denslow). \$9,984.

Combining and rehousing the Louisiana State University Herbaria. DBI NSF-9987491 (Biological Research Collections). 2000-2001. \$260,600. (L. Urbatsch, PI, M. Blackwell, CoPI).

Characterization of the clinicopathologic, serologic, and molecular features of canine lagenidiosis. Morris Animal Foundation. 2000-2001. \$28,459. (with A. M. Grooters, PI, and E. C. Hodgin, K. O. O'Reilly, and M. Blackwell, CoPIs).

Beetles and their yeast symbionts from basidiocarp habitats. NSF DEB-0072741 (Biotic Surveys and Inventories). 2000-2005. \$300,000. (J. McHugh, Co-PI). REU Supplement to NSF DEB-0072741, 2002, \$5,000; 2003, \$10,000; 2004, \$10,000

US-Mexico workshop on Ascomycota (Fungi) to be held 9-12 May 2002 before the IV Congreso Latinamericano de Micologia, Xalapa, Mexico. NSF-0214888 (International Programs). 2002-2003. \$8,000.

Research Coordination Networks in Biological Sciences: A Phylogeny for Kingdom Fungi. NSF-0090301. 2001-2007. \$499,183. (J. W. Spatafora and J. W. Taylor, CoPIs).  
<<http://ocid.nacse.org/research/deephyphae/>>

Enhancement of the Collections and Web Site at the Louisiana State University Herbaria. NSF-BRC 0346578. 2004-2007. \$176,908. (D. M. Ferguson, PI; L. Urbatsch and M. Blackwell, CoPIs)

Beetles and their yeast associates from basidiocarp habitats NSF DEB-0417180 (Biodiversity Surveys and Inventories). 2004-2009. \$452,027. (J. V. McHugh and S.-O. Suh, CoPIs). REU Supplements to NSF DEB-0417180, 2005, \$15,000; 2006, 10,000; 2007, \$5000; 2008, \$6000; 2009, \$6000.

Are any Australian yeasts efficient fermenters of xylose to ethanol? NSF EPSCoR LINK proposal. 2012-2013. \$2,000. M. Blackwell, PI, and H. Urbina, CoPI

Digitization TCN: The Macrofungi Collection Consortium: Unlocking a Biodiversity Resource for Understanding Biotic Interactions, Nutrient Cycling and Human Affairs. NSF. 2011-2016. \$2,860,705 (\$16,991 for LSU). (M. Blackwell, CoPI, and J. Kluse, CoPI).

North American Lichens and Bryophytes: Sensitive Indicators of Environmental Quality and Change. NSF 1114928. (Digitization). 2011-2016. \$4,198,841 (\$19,560 for LSU). (M. Blackwell, CoPI, and J. Kluse, CoPI).

Research Coordination Networks in Biological Sciences: Facilitating Research by Building a Collections Community. NSF- 0639214. 2007-2011. \$499,565, no direct funds for Blackwell. L. Alan Prather and Henry Bart, PIs, M. Blackwell and James B. Woolley, Steering Committee. Funded.  
<<http://www.msu.edu/~goddengr/collectionsweb/about/about.html>>

Research Coordination Networks in Biological Sciences: Fungal Environmental Sampling and Informatics Network (FESIN). NSF. ~\$500,000. no direct funds for Blackwell. 2006-2011. (Thomas D. Bruns, PI)  
<http://www.bio.utk.edu/fesin/>

Collaborative Proposal: Assembling the Fungal Tree of Life. Resolving the evolutionary history of the Fungi. NSF \$3,000,000 (NSF-0732671 \$275,000 for Blackwell), (PIs, David Hibbett, David McLaughlin, Meredith Blackwell, Joseph Spatafora (lead PI), Rytas Vilgalys, François Lutzoni).  
<<http://www.aftol.org/>>

Phylogenomics and the origin and diversification of Kingdom Fungi. DOE, JGI, Community Sequencing Program. Joseph W. Spatafora, PI, Dag Ahren, M. Catherine Aime, Scott Baker, Mary L. Berbee, Meredith Blackwell, David S. Hibbett, Timothy Y. James, Peter Letcher, Francois Lutzoni, David McLaughlin, Robert Roberson, Anders Tunlid, Rytas Vilgalys, CoPIs. Funded (09/14/10), 1 year (no direct funds).

Yeasts of Biotechnological, Taxonomic and Physiological Interest. DOE, JGI, Community Sequencing Program. Thomas Jeffries, PI, Meredith Blackwell and Clete Kurtzman co-PIs. Funded (09/14/10), 1 year (no direct funds).

Profiling Microbial Identity and Activity: Novel Applications of NanoSIMS and High Density Microarrays. DoE Genomics: Genomes to Life Program, Program Announcement LAB 07-14. New Genomic Strategies and Technologies for Studying Complex Microbial Communities and Validating Genomic Annotations. \$1,800,000. Paul Hoeprieh PI, Jennifer Pett-Ridge CoPI (other personnel Peter Weber, Eoin Brodie, Todd DeSantis, Gary Andersen) Meredith Blackwell subcontract (DE-AC52-07NA27344) 2007-2016, ~\$224,364.

### **Current Funding**

Boyd Professor Research Funds, Louisiana State University, Baton Rouge, Louisiana

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### **UNIVERSITY DUTIES (selected)**

Departmental Seminar Committee, 1976-1977; Departmental Faculty Search Committee, 1976-1977; College of Arts and Sciences Cultural Affairs Committee, 1977-1979; Rhodes Scholarship Selection Committee, 1979-1980; College of Arts and Sciences Space Committee, 1981-1982; Departmental Graduate Brochure Committee, 1982, 1987; Departmental Seminar Chairman, 1982-1983; Departmental Library Liaison, 1982-1990; College of Basic Sciences Faculty-Student Affairs Committee, 1983-1984; College of Basic Sciences Day Committee, 1983-1984; Faculty Senate, 1984-1985; Chairman, College of Basic Sciences Evaluation Committee, 1985; Basic Sciences Faculty Teaching Evaluation Committee, 1985; University Commencement Committee, 1987; College of Basic Sciences Teaching Awards Committee, 1987-1988; Agriculture and Life Sciences Colloquium Committee, 1987-1988; University



Honors Board, 1989-1992; Departmental Undergraduate Recruiting Materials Committee, 1989; College of Basic Sciences Community Earth Day Committee, 1990; College of Basic Sciences Tenure and Promotions Committee, 1991, 1992; College of Basic Sciences Policy and Planning Committee, 1992-1993; 2002-2004; College of Basic Sciences Tenure and Promotions Committee, Chairman, 1994-1995; Basic Sciences Committee on Research, 1995-1998; Basic Sciences Safety Committee, 1995-1997; Departmental Chair Search Committee, Chairman, 1995; Departmental Systematics Search Committee, 1997; Departmental Systematics Search Committee, Chairman, 1998; Departmental Newsletter Editor, 1999; BASC Web Site Committee, 1999; Departmental Anatomy/Morphology Search Committee, 1999; College of Basic Sciences Tenure and Promotions Committee, 1999-2000, 2002-2003, 2003-2004; University Academics Committee, 1999-; Departmental Computer Committee 2000-2001; Departmental Graduate Studies Committee, 1999-; Departmental Ecology Search Committee, 2000-2001; Departmental Online Newsletter Editor 2000-2002; Cain Endowed Chair in Chemical Engineering Search Committee, 2001; College of Basic Sciences Policy Committee 2002-2004; College of Basic Sciences Tenure and Promotions Committee, Dean's Representative, 2003-2004; University Steering Committee, Review of Doctoral Programs, University National Research Committee 2003-2004; Departmental Awards Committee 2003- , University Task Force Review Committee Member, Research-Related Administrative Procedures 2003-2009; University Chancellor Search Committee 2004; University Provost Search Committee 2006-2007; Graduate School, Graduate Faculty Committee Review, Ad Hoc Member 2008; University Program Review Council Member, Louisiana State University 2009-2010; Faculty LSU Press Committee, Member 2009-2013; University Vice-Chancellor for Research Search Committee 2011-2012 ; University PS-69 Committee 2011-2013; College of Science Policy Committee 2011- 2013; University Honorary Doctorate Selection Committee Member 2012-2013 ; Departmental Microbiology Search Committee 2012- 2013; University Blue Ribbon Committee on Awards 2012-2014; College of Science Hall of Distinction Committee 2016- .

(9 April 2019)