

Curriculum Vitae

David Scott Hibbett

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I. Positions held:

Biology Department, Clark University: Assistant Professor (1999-2002), Associate Professor (2002-2008), Professor (2008-present), Interim Chair (2009-2010),
1999-present: Associate, Harvard University Herbaria, Cambridge, Massachusetts.
1993-1999: Postdoctoral Fellow, laboratory of Michael J. Donoghue, Harvard University Herbaria, Cambridge, Massachusetts.
1993: Instructor, Biology Department, Framingham State College, Framingham, Massachusetts.
1991-1992: Science and Technology Agency of Japan Postdoctoral Fellow, laboratory of Akihiko Tsuneda, Tottori Mycological Institute, Tottori, Japan.

II. Education:

Ph.D.: 1991. Botany Department, Duke University. Dissertation title: Phylogenetic relationships of the basidiomycete genus *Lentinus*: evidence from ribosomal RNA and morphology. Advisor: Rytas Vilgalys.
B.S.: 1985. Department of Botany, University of Massachusetts at Amherst.

III. Awards and Honors:

1990: Mycological Society of America Graduate Research Prize.
2000: Mycological Society of America Alexopoulos Prize.
2002: Clark University Oliver and Dorothy Hayden Junior Faculty Fellowship.
2002: Clark University Hodgkins Junior Faculty Prize.
2008: Mycological Society of America Honorary Fellowship.
2011-2014: Warren Litsky Endowed Chair in Biology, Clark University (rotating chair).

IV. Professional service:

Elected offices in professional societies:

2001-2003: Councilor, Systematics/Evolution, Mycological Society of America
2004-2006: Councilor, Society of Systematic Biologists
2008-2010: Executive Vice President, Society of Systematic Biologists
2009-2012: Vice-President/President-Elect/President, Mycological Society of America
2014-present: Executive Committee, International Mycological Association

Editorial positions:

1995-1997: Book Review Editor, *Mycotaxon*
1998-2001: Associate Editor, *Systematic Biology*
1998-2001: Associate Editor, *Mycologia*
2000-: Associate Editor, *Mycoscience*
2001-2004: Associate Editor, *Mycological Research*
2001-2014: Associate Editor, *Mycological Progress*
2001-: Editorial Board, *Fungal Science*
2003-2004; 2009-2012: Editorial Board, *Molecular Phylogenetics and Evolution*
2005-2008: Associate Editor, *Molecular Phylogenetics and Evolution*
2007-2011: Book Review Consultant, *Quarterly Review of Biology*
2008-: Editorial Board, *Persoonia*
2008-2012: Associate Editor, *Systematics and Biodiversity*
2009-: Editorial Board, *Applied and Environmental Microbiology*
2009-: Editorial Board, *Studies in Mycology*

2011-: Editorial Board, *Fungal Biology Reviews*
2013: Founding Editorial Board, Oxford Bibliographies, Evolutionary Biology
2013: Guest Editor, *Mycologia* vol. 105 no. 6 (Polypore genomics issue).

Grant review panels:

1991: National Science Foundation Japanese Language Training Awards
2000, 2001, 2002: National Science Foundation Systematic Biology Program
2005: National Science Foundation Biotic Surveys and Inventories Program
2012: National Science Foundation Dimensions of Biodiversity Program

Program planning workshops:

2008: Department of Energy, Carbon Cycling and Biosequestration Workshop
2008: National Science Foundation, Where To Next With the Tree of Life Workshop
2008: iPlant Collaborative Grand Challenge Workshop, Assembling the Tree of Life to Enable the Plant Sciences (iPTOL)
2009: National Science Foundation, Future Directions in Systematics Workshop
2009: German Research Foundation Fungal Genomics and Metagenomics Workshop

Other professional service:

1995-1998: Program Chair, Mycological Section of the Botanical Society of America
1995-1998: Awards Committee, Mycological Society of America
1998-2000: President, Mycological Section of the Botanical Society of America
1999-2002: President, Friends of the Farlow Herbarium of Harvard University
2000-2002: Karling Annual Lecture Committee, Mycological Society of America
2002-2011: International Commission for Taxonomy of Fungi (International Union of Microbiological Societies)
2002-2005: Steering Committee member, Deep Hypha Research Coordination Network.
2007-2012: Steering Committee member, Fungal Environmental Sampling and Informatics Network (FESIN) Research Coordination Network
2009-: Advisory Committee, DOE Joint Genome Institute Fungal Genome Program
2012: Chair, Local Arrangements Committee for Annual Mycological Society of America meeting
2012-: Advisory Committee, Macrofungi Collections Consortium
2013-2016: Honorary Awards Committee, Mycological Society of America
2013-2018: Distinctions Committee, Mycological Society of America
2014-2017: Karling Annual Lecture Committee, Mycological Society of America

Service to Clark University (excluding Departmental committees):

1999-2000: Library Committee
2000-2001: Admissions Committee
2002-2003: Provost Search Committee
2003-2005: Convocation and Academic Orientation Committee
2004: "Taking Science Forward" Fundraising Committee
2005: Chief Information Officer Search Committee
2005-2006: Sciences Working Group *ad hoc* Committee
2007-2010: Undergraduate Academic Board (Co-Chair 2007-2008, Chair 2008-2009)
2009-2015: Mosakowski Institute Faculty Steering Committee
2011-2014: Faculty Review Committee
2012-2015: Honorary Degrees Subcommittee
2014-present: Graduate Board
2014-present: NEASC Self-Study Committee

V. Grants:

Current federal grants:

2015: National Science Foundation, Physiological and Structural Systems Cluster, Integrative Organismal Systems (DSH, PI, Igor V. Grigoriev, Betsy Loring, Co-PIs). Title: Collaborative

- Research: Functional and evolutionary bases of substrate-specificity in wood-decaying basidiomycetes, Funding period April 1, 2015-March 31, 2018. IOS-1456958. \$275,078.
- 2015: National Science Foundation (DSH, PI). Title: Evolution of fruiting body forms in the mushroom-forming Fungi (Agaricomycetes): a comparative phylogenetic, phylogenomic, and developmental approach. Funding period April 1, 2015-March 31, 2018. DEB-1456588. \$339,384.
- 2012: National Science Foundation AVATOL (assembling, Visualizing and Analyzing the Tree of Life) Program (DSH, PI). Title: Collaborative Research: Automated and Community-Driven Synthesis of the Tree of Life. Funding period May 1, 2012-April 30, 2015. DEB-1208719. \$300,000.
- 2009: National Science Foundation Systematics and Population Biology (DSH, PI). Title: MSB/PEET: PolyPEET—Enhancing Taxonomic Expertise in the Polyporales. Funding period Jan. 1, 2010-Dec. 31, 2015. DEB-0933081. \$750,000.

Completed federal grants:

- 2010: National Science Foundation Biodiversity Inventories (R. Halling, PI, DSH and M. Binder, Co-PIs). Title: Boletineae (Fungi) in Queensland, Australia. Funding period Sept. 1, 2010-Aug. 31, 2014. DEB-1020421. \$456,395.
- 2009: National Science Foundation Integrative Organismal Systems (DSH, PI). Title: Collaborative Research: Fungal Life History Strategies and Evolution: Insights from Isotopic Measurements and Phylogenetic Analysis. Funding period Apr. 15, 2009-Sept. 30, 2011. IOS-0843278. \$59,999.
- 2007: National Science Foundation Systematics and Population Biology/Assembling the Tree of Life (DSH, PI; P. Brandon Matheny, Co-PI; M. Cathie Aime, Sub-award PI). Title: Collaborative Research: AFTOL: Resolving the Evolutionary History of the Fungi. Funding period September 15, 2007-August 31, 2012. DEB-0732968. \$627,750.
- 2006: National Science Foundation Systematics and Population Biology (DSH PI for administrative purposes, Jason Slot, Co-PI). Title: Doctoral Dissertation Improvement Grant: Phylogeny and functional evolution of high affinity nitrate transporters in fungi. Funding period June 1, 2006-February 28, 2008. DEB-0608017. \$12,000.
- 2005: National Science Foundation Systematics and Population Biology (M. Binder, PI, DSH Co-PI). Title: Toward a global phylogeny of the Boletales. Funding period Sept. 1, 2005-Dec. 31, 2008. DEB-0444531. \$345,259.
- 2005: National Science Foundation Systematics and Population Biology (DSH PI for administrative purposes, Andrew Wilson, Co-PI). Title: Doctoral Dissertation Improvement Grant: Phylogeny, taxonomy, and ecology of *Calostoma* (Boletales, Basidiomycetes). Funding period June 1, 2005-February 28, 2008. DEB-0508716. \$12,000.
- 2003: National Science Foundation Major Research Instrumentation (DSH, PI; R. Bruschweiler, H. Gould, L. Han, S. Huo, Co-PIs). Title: Acquisition of a high performance parallel computing cluster for the Departments of Biology, Chemistry, Physics, and Mathematics and Computer Science at Clark University. Sept. 1, 2003-August 31, 2005. DBI-0320875. \$190,000.
- 2002: National Science Foundation Systematics and Population Biology/Assembling the Tree of Life (DSH, PI). Title: Collaborative Research: Assembling the Fungal Tree of Life. Funding period Jan. 1, 2003-Dec. 31, 2006. DEB-0228657. \$612,952.
- 2002: National Science Foundation Systematics and Population Biology (DSH PI). Title: Phylogenetic relationships of cyphelloid and aquatic homobasidiomycetes. Funding period Sept. 1, 2002-August 31, 2005. DEB-0128925. \$300,000.
- 2000: National Science Foundation Multiple User Equipment Award in the Biological Sciences (D. Larochelle, PI; DSH, J. Thackeray, and T. Lyerla, Co-PIs). Title: Image analysis system for the Biology Department, Clark University. MUE-0070241. \$42,454.
- 1999: National Science Foundation Systematics and Population Biology (DSH PI). Title: Morphological and ecological diversification in the homobasidiomycetes: a molecular phylogenetic analysis. Funding period: Sept. 1, 1999-Aug. 31, 2002. DEB-9903835. \$205,000.
- 1996: National Science Foundation Systematics and Population Biology (M. Donoghue, PI for administrative purposes, DSH Co-Investigator). Title: Molecular systematics of homobasidiomycetes, emphasizing Polyporaceae and Corticiaceae. Funding period, July 1, 1996-June 30, 1999. DEB-9629427. \$210,000.

- 1993: National Science Foundation Postdoctoral Fellowship in Environmental Biology. Title: Molecular systematics of Polyporaceae. Funding period Dec. 1, 1993-May 31, 1996. DEB-930268. \$69,600.
- 1991: Science and Technology Agency of Japan/National Science Foundation Division of International Programs Post-Doctoral Research Fellowship. Title: Cultural and developmental studies in lentinoid fungi. Funding period Sept. 1, 1991-Aug. 31, 1992. INT-9102457. Research conducted in laboratory of Dr. Akihiko Tsuneda, Tottori Mycological Institute, Tottori, Japan.
- 1989: National Science Foundation Japanese Language Award for David Hibbett (R. Vilgalys, PI for administrative purposes). Funding period Sept. 1, 1989-Nov. 30, 1991. OISE-8915174.

Other grants:

- 2014: National Science Foundation. (D. Geiser, PI, A. Porras-Alfaro, J. W. Taylor, and DSH, Co-PIs). Title: Workshop: Sequence-based Classification of Fungi. Funding period: April 1, 2014-March 31, 2015. DEB-1434740. \$40,303 (award to Pennsylvania State University).
- 2011-2012: Mosakowski Institute for Public Enterprise. Title: Mycoremediation at the Fisherville Mill, South Grafton, Massachusetts: Selection and screening of fungal strains and analyses of gene expression. (DSH, PI). \$10,000.
- 2008-2009: Cover Technologies, Inc. Title: Bioconversion of cellulosic biomass by filamentous fungi: a collaboration between Clark University and Cover Technologies, Inc. (DSH, PI). \$44,710.
- 2006: W. M. Keck Foundation. Title: Complementary Curricular Networks: Tools to Enhance Undergraduate Biology Education. (S. Foster, PI, T. Livdahl, D. Robertson, and DSH, Co-PIs). \$300,000.
- 2004: Clark University Curricular and Research Innovation with Technology Grant.
- 2002: National Geographic Society Committee for Research and Exploration. (Z. Wang, PI, DSH, Co-PI). Title: Mycological expedition to the Bailong River Region, Gansu Province, P. R. China. NGS 7192-02. \$17,100.
- 1999: Clark University Faculty Development Award.
- 1996: Mycological Society of America Martin-Baker Endowment Fund research grant.
- 2012: European Union Marie Curie Fellowship Program (David Hibbett and Otto Miettinen Co-PIs): POLYSYST: Molecular and morphological systematics of the Polyporales, a highly diverse, poorly documented clade of wood-decaying fungi with biotechnological potential. Funding period Aug. 1, 2012-Dec. 31, 2013. \$11084.00.

Proposals to Department of Energy Joint Genome Institute Community Sequencing Program:

- 2012: Survey of the lignocellulolytic capabilities over the order Polyporales (Fungi, Basidiomycetes) (E. Record, PI; M.-N. Rosso, B. Henrissat, P. Coutinho, D. Cullen, R. Curtecuisse, DSH, U. Kues, F. Martin, A. Martinez, A. Pisabarro, R. de Vries, H. Wosten Co-PIs)
- 2011: Metatranscriptomics of soil forest ecosystems (F. Martin, PI; S. Baker, D. Cullen, R. Finlay, D. Hibbett, I. Grigoriev, C. Kuske, R. Marmeisse, A. Pisabarro, J. Spatafora, J. Stenlid, R. Vilgalys, Co-PIs).
- 2010: Community proposal to sequence a diverse assemblage of saprotrophic Agaricomycotina (DSH, PI; D. Cullen, D. Eastwood, F. Martin, A. Pisabarro, I. Grigoriev, Co-PIs).
- 2010: Exploring the genome diversity of mycorrhizal fungi to understand the evolution and functioning of symbiosis in woody shrubs and trees (F. Martin, PI; DSH, I. Grigoriev, Co-PIs).
- 2010: Phylogenomics and the origin and diversification of kingdom Fungi (J. Spatafora, PI; D. Ahren, M. C. Aime, S. Baker, M. L. Berbee, DSH, T. Y. James, P. Letcher, F. Lutzoni, D. McLaughlin, R. Roberson, A. Tunlid, R. Vilgalys, Co-PIs).
- 2010: Comparative transcriptomics pipeline for saprophytic basidiomycota (A. G. Pisabarro, PI; DSH, D. Cullen, B. Henrissat, I. Grigoriev, Co-PIs).
- 2007: Whole genome shotgun sequencing of the brown rot wood decay fungus *Serpula lacrymans* (S. Watkinson, PI; S. Baker, D. Eastwood, DSH, N. Högborg, H. Kauserud, U. Kues, A. Majcherczyk, F. Martin, J. Palfreyman, A. Pisabarro, J. Oguiza, L. Ramirez, O. Schmidt, J. Stenlid, A. Tunlid, N. White, Co-PIs).
- 2003: Genome sequencing of the brown rot fungus *Postia placenta* (D. Cullen, PI; R. Berka, K. Hammel, DSH Co-PIs).

VI. Publications:**Peer-reviewed articles:**

1. Hibbett, D. S., and R. Vilgalys. 1991. Evolutionary relationships of *Lentinus* to the Polyporaceae: evidence from restriction analysis of enzymatically amplified ribosomal DNA. *Mycologia* 83: 425-439.
2. Bruns, T. D., R. Vilgalys, S. M. Barnes, D. Gonzalez, D. S. Hibbett, D. J. Lane, L. Simon, S. Stickel, T. M. Szaro, W. G. Weisburg, and M. L. Sogin. 1992. Evolutionary relationships within the fungi: analyses of nuclear small subunit rRNA sequences. *Molecular Phylogenetics and Evolution* 1: 231-241.
3. Hibbett, D. S. 1992. Ribosomal RNA and fungal systematics. *Transactions of the Mycological Society of Japan* 33: 533-556.
4. Hibbett, D. S., S. Murakami, and A. Tsuneda. 1993. Hymenophore development and evolution in *Lentinus*. *Mycologia* 85: 428-443.
5. Hibbett, D. S., S. Murakami, and A. Tsuneda. 1993. Sporocarp ontogeny in *Panus*: evolution and classification. *American Journal of Botany* 80: 1336-1348.
6. Hibbett, D. S., and R. Vilgalys. 1993. Phylogenetic relationships of *Lentinus* (Basidiomycotina) inferred from molecular and morphological characters. *Systematic Botany* 18: 409-433.
7. Vilgalys, R., J. S. Hopple, and D. S. Hibbett. 1994. Phylogenetic implications of generic concepts in fungi: the impact of molecular systematic studies. *Mycologia Helvetica* 6: 73-91.
8. Fukuda, M. Y. Nakai, D. S. Hibbett, T. Matsumoto, and Y. Hayashi. 1994. Mitochondrial DNA restriction fragment length polymorphisms in natural populations of *Lentinula edodes*. *Mycological Research* 98: 169-175.
9. Hibbett, D. S., A. Tsuneda, and S. Murakami. 1994. The secotioid form of *Lentinus tigrinus*: genetics and development of a fungal morphological innovation. *American Journal of Botany* 81: 466-478.
10. Hibbett, D. S., A. Tsuneda, and S. Murakami. 1994. Post-meiotic nuclear behavior in *Lentinus*, *Panus*, and *Neolentinus*. *Mycologia* 86: 725-732.
11. Hibbett, D. S., and R. G. Thorn. 1994. Nematode-trapping in *Pleurotus tuberregium*. *Mycologia* 86: 696-699.
12. Hibbett, D. S., A. Tsuneda, Y. Fukumasa-Nakai, and M. J. Donoghue. 1995. Phylogenetic diversity in shiitake inferred from nuclear ribosomal DNA sequences. *Mycologia* 87: 618-638.
13. Hibbett, D. S., D. Grimaldi, and M. J. Donoghue. 1995. Cretaceous mushrooms in amber. *Nature* 377: 487.
14. Hibbett, D. S., and M. J. Donoghue. 1995. Progress toward a phylogenetic classification of the Polyporaceae through parsimony analyses of ribosomal DNA sequences. *Canadian Journal of Botany* 73(Suppl. 1): S853-S861.
15. Hibbett, D. S. 1996. Phylogenetic evidence for horizontal transmission of Group 1 introns in the nuclear ribosomal DNA of mushroom-forming fungi. *Molecular Biology and Evolution* 13: 903-917.
16. Hibbett, D. S., and M. J. Donoghue. 1996. Implications of phylogenetic studies for conservation of genetic diversity in shiitake mushrooms. *Conservation Biology* 10: 1321-1327.
17. Hibbett, D. S., D. Grimaldi, and M. J. Donoghue. 1997. Fossil mushrooms from Cretaceous and Miocene ambers and the evolution of homobasidiomycetes. *American Journal of Botany* 84: 981-991.
18. Hibbett, D. S., M. J. Donoghue, and P. B. Tomlinson. 1997. Is *Phellinites digiustoi* the oldest homobasidiomycete? *American Journal of Botany* 84: 1005-1011.
19. Hibbett, D. S., E. M. Pine, E. Langer, G. Langer, and M. J. Donoghue. 1997. Evolution of gilled mushrooms and puffballs inferred from ribosomal DNA sequences. *Proceedings of the National Academy of Sciences, U.S.A.* 94: 12002-12006.
20. Hibbett, D. S., and M. J. Donoghue. 1998. Integrating phylogenetic analysis and classification in fungi. *Mycologia* 90:347-356.
21. Hibbett, D. S., K. Hansen, and M. J. Donoghue. 1998. Phylogeny and biogeography of *Lentinula* inferred from an expanded rDNA dataset. *Mycological Research* 102: 1041-1049.
22. Hansen, K., D. S. Hibbett, and D. H. Pfister. 1999. Phylogenetic relationships of *Phillipsia* inferred from ribosomal DNA intergenic transcribed spacer sequences. *Mycologia* 91: 299-314.
23. Pine, E. M., D. S. Hibbett, and M. J. Donoghue. 1999. Evolutionary relationships of cantharelloid and clavarioid fungi. *Mycologia* 91: 944-963.

24. Hughey, B. D., G. C. Adams, T. D. Bruns, and D. S. Hibbett. 2000. Phylogeny of *Calostoma*, the gelatinous stalked puffball, based on nuclear and mitochondrial ribosomal DNA sequences. *Mycologia* 92: 94-104.
25. Hibbett, D. S., Luz-Beatriz Gilbert, and Michael J. Donoghue. 2000. Evolutionary instability of ectomycorrhizal symbioses in basidiomycetes. *Nature* 407: 506-508.
26. Taylor J. W., D. J. Jacobson, S. Kroken, T. Kasuga, D. M. Geiser, D. S. Hibbett, and M. C. Fisher. 2000. Phylogenetic species recognition and species concepts in fungi. *Fungal Genetics and Biology* 31: 21-32.
27. Hibbett, D. S. 2001. Shiitake mushrooms and molecular clocks: historical biogeography of *Lentinula*. *Journal of Biogeography* 28: 231-241.
28. Hibbett, D. S., and M. J. Donoghue. 2001. Analysis of correlations among wood decay mechanisms, mating systems, and substrate ranges in homobasidiomycetes. *Systematic Biology* 50: 215-242.
29. Binder, M., and D. S. Hibbett. 2001. Phylogenetic relationships of the marine gasteromycete *Nia vibrissa*. *Mycologia* 93: 679-688.
30. Wu, S.-H., D. S. Hibbett, and M. Binder. 2001. Phylogenetic relationships of *Aleurodiscus* sensu lato and related genera. *Mycologia* 93: 720-731.
31. Hibbett, D. S., and M. Binder. 2001. Evolution of marine mushrooms. *Biological Bulletin* 201: 319-322.
32. Binder, M., and D. S. Hibbett. 2002. Higher-level phylogenetic relationships of homobasidiomycetes (mushroom-forming fungi) inferred from four rDNA regions. *Molecular Phylogenetics and Evolution* 22: 76-90.
33. Wang, Z., M. Binder, and D. S. Hibbett. 2002. A new species of *Cudonia* based on morphological and molecular data. *Mycologia* 94: 641-650.
34. Hibbett, D. S., and M. Binder. 2002. Evolution of complex fruiting body morphologies in homobasidiomycetes. *Proceedings of the Royal Society of London Series B*. 269: 1963-1969.
35. Hibbett, D. S., M. Binder, Z. Wang, and Y. Goldman. 2003. Another fossil agaric from Dominican amber. *Mycologia*. 95: 685-687.
36. Redberg, G. L., R. Rodriguez, J. Ammirati, and D. S. Hibbett. 2003. Phylogenetic relationships of *Bridgeoporus nobilissimus* inferred from rDNA sequences. *Mycologia* 95: 836-845.
37. Bodensteiner, P., M. Binder, R. Agerer, J.-M. Moncalvo and D. S. Hibbett. 2004. Phylogenetic diversity of cyphelloid forms in the homobasidiomycetes. *Molecular Phylogenetics and Evolution* 33: 501-515.
38. Wang, Z., M. Binder, Y.-C. Dai, and D. S. Hibbett. 2004. Phylogenetic relationships of *Sparassis* inferred from nuclear and mitochondrial ribosomal DNA and a protein-coding gene (*rpb2*). *Mycologia* 96:1013-1027.
39. Desjardin, D. E., Z. Wang, M. Binder, and D. S. Hibbett. 2004. *Sparassis cystidiosa* sp. nov. from Thailand is described using morphological and molecular data. *Mycologia* 96:1010-1014.
40. Egger, K. N., and D. S. Hibbett. 2004. The evolutionary implications of reciprocal exploitation in mycorrhizas. *Canadian Journal of Botany* 82: 1110-1121.
41. Lutzoni, F., F. Kauff, C. J. Cox, D. McLaughlin, G. Celio, B. Dentinger, M. Padamsee, D. Hibbett, T. Y. James, E. Baloch, M. Grube, V. Reeb, V. Hofstetter, C. Schoch, A. E. Arnold, J. Miadlikowska, J. Spatafora, D. Johnson, S. Hambleton, M. Crockett, R. Shoemaker, G.-H. Sung, R. Lücking, T. Lumbsch, K. O'Donnell, M. Binder, P. Diederich, D. Ertz, C. Gueidan, K. Hansen, R. C. Harris, K. Hosaka, Y.-W. Lim, B. Matheny, H. Nishida, D. Pfister, J. Rogers, A. Rossmann, I. Schmitt, H. Sipman, J. Stone, J. Sugiyama, R. Yahr, R. Vilgalys. 2004. Assembling the fungal tree of life: progress, classification, and evolution of subcellular traits. *American Journal of Botany* 91: 1446-1480.
42. Hibbett, D. S. 2004. Trends in morphological evolution in homobasidiomycetes. *Systematic Biology* 53: 889-903.
43. Binder, M., D. S. Hibbett, K.-H. Larsson, E. Larsson, and E. Langer. 2005. The phylogenetic distribution of resupinate forms in the homobasidiomycetes. *Systematics and Biodiversity* 3: 113-157.
44. Hibbett, D. S., R. H. Nilsson, M. Snyder, M. Fonseca, J. Costanzo, and M. Shonfeld. 2005. Automated phylogenetic taxonomy: an example in the homobasidiomycetes (mushroom-forming Fungi). *Systematic Biology* 54: 660-668.

45. Wang, Z., M. Binder, and D. S. Hibbett. 2005. Life history and systematics of the aquatic discomycete *Mitrula* (Helotiales, Ascomycota) based on cultural, morphological, and molecular studies. *American Journal of Botany* 92: 1565-1574.
46. Yang, Z.-L., P. B. Matheny, Z. Ge, and D. S. Hibbett. 2005. New Asian species of the genus *Anamika* (euagarics, hebelomatoid clade) based on morphology and ribosomal DNA sequences. *Mycological Research* 109: 1259-1267.
47. Frøslev, T. G., P. B. Matheny, and D. S. Hibbett. 2005. Lower level relationships in the mushroom genus *Cortinarius* (Basidiomycota, Agaricales): a comparison of RPB1, RPB2 and ITS phylogenies. *Molecular Phylogenetics and Evolution* 37: 602-618.
48. Binder, M., D. S. Hibbett, Z. Wang, and W. Farnham. 2006. Evolutionary origins of *Mycaureola dilseae*, a basidiomycete pathogen of the subtidal red alga *Dilsea carnosa*. *American Journal of Botany* 93: 547-556.
49. Wang Z., M. Binder, C. L. Schoch, P. R. Johnston, J. W. Spatafora, and D. S. Hibbett. 2006. Evolution of helotialean fungi (Leotiomyces, Pezizomycotina): a nuclear rDNA phylogeny. *Molecular Phylogenetics and Evolution* 41: 295-312.
50. James, T. Y., Kauff, F., Schoch, C., Matheny, P. B., Hofstetter, V., Cox, C. J., Celio, G., Guiedan, C., Fraker, E., Miadlikowska, J., Lumbsh, T., Rauhut, A., Reeb, V., Arnold, A. E., Amtoft, A., Stajich, J. E., Hosaka K., Sung, G.-H., Johnson, D., O'Rourke, B., Binder, M., Curtis, J. M., Slot, J. C., Wang, Z., Wilson, A. W., Schüßler, A., Longcore, J. E., O'Donnell, K., Mozley-Standridge, S., Porter, D., Letcher, P. M., Powell, M. J., Taylor, J. W., White, M. M., Griffith, G. W., Davies, D. R., Sugiyama, J., Rossman, A. Y., Rogers, J. D., Pfister, D. H., Hewitt, D., Hansen, K., Hambleton, S., Shoemaker, R. A., Kohlmeyer, J., Volkman-Kohlmeyer, B., Spotts, R. A., Serdani, M., Crous, P. W., Hughes, K. W., Matsuura, K., Langer, E., Langer, G., Untereiner, W. A., Lücking, R., Büdel, B., Geiser, D. M., Aptroot, A., Diederich, P., Schmitt, I., Schultz, M., Yahr, R., Hibbett, D. S., Lutzoni, F. L., McLaughlin, D. J., Spatafora, J. W., Vilgalys, R. 2006. Reconstructing the early evolution of the fungi using a six gene phylogeny. *Nature* 443: 818-822.
51. Blanco-Dios, J.B., Z. Wang, M. Binder, and D. S. Hibbett. 2006. A new *Sparassis* from Spain described using morphological and molecular data. *Mycological Research* 110: 1227-1231.
52. Dai Y.C., Z. Wang, M. Binder, and D. S. Hibbett. 2006. Phylogeny and a new species of *Sparassis* (Polyporales, Basidiomycota): evidence from mitochondrial *atp6*, nuclear rDNA and *rpb2* genes. *Mycologia* 98: 584-592.
53. Matheny, P. B., J. A. Gossman, P. Zalar, T. K. Arun Kumar, and D. S. Hibbett. 2006. Resolving the phylogenetic position of the Wallemiomycetes: an enigmatic major lineage of Basidiomycota. *Canadian Journal of Botany* 84: 1794-1805.
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118. Hibbett, D. D., R. Bauer, M. Binder, A.J. Giachini, K. Hosaka, A. Justo, E. Larsson, K.H. Larsson, J.D. Lawrey, O. Miettinen, L. Nagy, R.H. Nilsson, M. Weiss, and R.G. Thorn. 2014. Agaricomycetes. Pp. 373-429 *In*: The Mycota, vol. VII, Second Ed., Part A. Systematics and Evolution (D. J. McLaughlin and J. W. Spatafora, eds.). Springer Verlag.

Commentaries and correspondence:

119. Hibbett, D. S. 2002. When good relationships go bad. *Nature* 419: 345-346 (perspective).
120. Hibbett, D. S., A. Ohman, and P. M. Kirk. 2009. Fungal ecology catches fire. *New Phytologist* 184: 279-282 (commentary).
121. Martin, F., D. Cullen, A. Hibbett, D., Pisabarro, J.W. Spatafora, S. E. Baker, and I. Grigoriev. 2011. Sequencing the fungal tree of life. *New Phytologist* 190: 818-821 (letter).
122. Hibbett, D. S., and D. Glotzer. 2011. Where are all the undocumented fungal species? A study of *Mortierella* demonstrates the need for sequence-based classification. *New Phytologist* 191: 592-596 (commentary).
123. Hawksworth DL, Crous PW, Redhead SA, Reynolds DR, Samson RA, Seifert KA, Taylor JW, Wingfield MJ, Abaci Ö, Aime C, Asan A, Bai F-Y, Beer ZWd, Begerow D, Berikten D, Boekhout T, Buchanan PK, Burgess T, Buzina W, Cai L, Cannon PF, Crane JL, Damm U, Daniel H-M, Diepeningen ADv, Druzhinina I, Dyer PS, Eberhardt U, Fell JW, Frisvad JC, Geiser DM, Geml J, Glienke C, Gräfenhan T, Groenewald JZ, Groenewald M, Gruyter Jd, Guého-Kellermann E, Guo L-D, Hibbett DS, Hong S-B, Hoog GSd, Houbraken J, Huhndorf SM, Hyde KD, Ismail A, Johnston PR, Kadaifciler DG, Kirk PM, Kõljalg U, Kurtzman CP, Lagneau P-E, Lévesque CA, Liu X, Lombard L, Meyer W, Miller A, Minter DW, Najafzadeh MJ, Norvell L, Ozerskaya SM, Öziç R, Pennycook SR, Peterson SW, Pettersson OV, Quaedvlieg W, Robert VA, Ruibal C, Schnürer J, Schroers H-J, Shivas R, Slippers B, Spierenburg H, Takashima M, Taşkın E, Thines M, Thrane U, Uztan AH, Raak Mv, Varga J, Vasco A, Verkley G, Videira SIR, Vries RPD, Weir BS, Yilmaz N, Yurkov A, Zhang N. 2011. The Amsterdam declaration on fungal nomenclature. *IMA Fungus* 2: 105-112.
124. Drew, B. T., R. Gazis, P. Cabezas Padilla, K. S. Swithers, D. E. Soltis, D. S. Hibbett, K. A. Crandall, L. A. Katz. 2013. Missing data mean holes in the tree of life. *Nature* 493: 305 (correspondence).
125. Taylor, J. W., and D. S. Hibbett. 2013. Toward sequence-based classification of fungal species. *IMA Fungus* 4: 33-34 (editorial).
126. Herr, J. R., M. Öpik, and D. S. Hibbett. 2015. Towards the unification of sequence-based classification and sequence-based identification of host-associated microorganisms. *New Phytologist* 205: 27-31 (meeting report).

Publications in review (submitted):

- Smith, S. A., K. A. Cranston, J. W. Brown, G. Burleigh, R. Chaudury, L. Coghill, K. A. Crandall, J. Deng, B. Drew, R. Gazis, K. Gude, D. S. Hibbett, C. Hinchcliff, L. A. Katz, H. D. Laughinghouse IV, E. J. McTavish, C. L. Owen, R. Ree, J. A. Rees, D. E. Soltis, T. Williams. Constructing a comprehensive tree of life. *Proceedings of the National Academy of Sciences, U.S.A.*
- Lutzoni, F., M. D. Nowak, M. E. Alfaro, V. Reeb, J. Miadlikowska, A. E. Arnold, D. Hibbett, K. Hilu, T. Y. James, D. Quandt, and S. Magallón. Synchronized radiations of fungi and plants linked to symbiosis. *Nature Communications*.
- Floudas, D., and D. S. Hibbett, Revisiting the taxonomy of Phanerochaete (Polyporales, Basidiomycota) using a four-gene dataset and extensive ITS sampling. *Fungal Biology*.
- Young, D. A., J. Rice, R. Martin, E. Lindquist, A. Lipzen, I. Grigoriev, and D. S. Hibbett. Degradation of Bunker C fuel oil by white-rot fungi in sawdust cultures suggests potential applications in bioremediation. *PLOS One*.
- Firoz Shah, César Nicolás, Johan Bentzer, Magnus Ellström, Mark M Smits, Francois Rineau, Björn Canbäck, Dimitrios Floudas, Robert Carleer, Gerald Lackner, Jana Braesel, Dirk Hoffmeister, Bernard Henrissat, Dag Ahrén, Tomas Johansson, David S. Hibbett, Francis M Martin, Per Persson, and Anders Tunlid. Ectomycorrhizal fungi decompose humus-rich litter material using oxidative mechanisms retained from saprotrophic ancestors. *ISME Journal*.

Internet publications:

- Swann, E. C., and D. S. Hibbett. 2003 (revised 2007). Basidiomycota: The Tree of Life Web Project. <http://tolweb.org/tree?group=Basidiomycota&contgroup=Fungi>.
- Hibbett, D. S. 2003 (revised 2007). Agaricomycotina: The Tree of Life Web Project. <http://tolweb.org/tree?group=Hymenomycetes&contgroup=Basidiomycota>.
- Hibbett, D. S. 2003 (revised 2007). Agaricomycetes: The Tree of Life Web Project. <http://tolweb.org/tree?group=Homobasidiomycetes&contgroup=Hymenomycetes>.
- Hibbett, D. S. 2014. Evolution of Fungi. In: Oxford Bibliographies in Evolutionary Biology (J. Losos, ed.) <http://www.oxfordbibliographies.com/obo/page/evolutionary-biology>.

Book reviews:

- For *Mycotaxon*, 1995-1997: "European Polypores, Part 2, *Meripilus—Tyromyces*", by L. Ryvarden and R. L. Gilbertson; "Myxomycetes: A Handbook of Slime Molds", by S. L. Stephenson; "The Edible Fungus of Africa south of the Sahara: A Literature Survey", by J. Rammeloo and R. Walley, and "The Poisonous and Useful Fungi of Africa South of the Sahara: A Literature Survey", by J. Rammeloo and R. Walley; "The Fungus Flora of Shetland", by R. Watling; "Mushrooms: Poisons and Panaceas", by D. R. Benjamin; "The Fungi", by M. J. Carlile and S. C. Watkinson; "Fungi of Switzerland, Vol. 4, Agarics 2nd part", by J. Breitenbach and F. Kränzlin; "Introductory Mycology, Fourth Edition", by C. J. Alexopoulos, C. W. Mims, and M. Blackwell; "Ganoderma: Systematics, Phytopathology and Pharmacology", edited by P. K. Buchanan, R. S. Hseu, and J. M. Moncalvo; "Patterns in Fungal Development", edited by S.-W. Chiu and D. Moore.
- Hibbett, D. S. 2009. "Automated Taxon Identification in Systematics: Theory, Approaches, and Applications", edited by N. Macleod. *Quarterly Review of Biology*, 84: 295-296.
- Hibbett, D. S. 2012. "21st Century Guidebook to Fungi", by D. Moore, G. D. Robson, and A. P. J. Trinci. *Quarterly Review of Biology*, 87: 396.
- Hibbett, D. S. 2014. "The Kingdom of Fungi", by Jens Petersen. *Rhodora* 116: 99-101.

Miscellaneous publications (not peer-reviewed):

- Hibbett, D. S. 1993. Towards a phylogenetic classification for shiitake. *Reports of the Tottori Mycological Institute* 30: 30-42.
- Tsuneda, A., R. G. Thorn, and D. S. Hibbett. 1993. *Lentinus tigrinus*: chlamydospores and interaction with *Pseudomonas fluorescens*. *Reports of the Tottori Mycological Institute* 30: 1-12.
- Dempsey, B., D. Hibbett, and M. Binder. 2007. Bridging the gap between classrooms and research laboratories. *The Science Teacher* April/May 33-37.
- Hibbett, D. S. 2010. Phylogenetic Classification of Fungi. Pp. 283-286. In: McGraw-Hill 2010 Yearbook of Science and Technology. The McGraw-Hill companies, Inc.
- Hibbett, D. S., M. Blackwell, T. James, J.W. Spatafora, J. W. Taylor, and R. Vilgalys. *Fungi*. In: Phylonyms: a Companion to the PhyloCode, Eds. K. de Queiroz, P. Cantino, and J. Gauthier. *In press*.
- Hibbett, D. S., T. James, and R. Vilgalys. *Dikarya*. In: Phylonyms: a Companion to the PhyloCode, Eds. K. de Queiroz, P. Cantino, and J. Gauthier. *In press*.
- Hibbett, D. S., T. James, and R. Vilgalys. *Basidiomycota*. In: Phylonyms: a Companion to the PhyloCode, Eds. K. de Queiroz, P. Cantino, and J. Gauthier. *In press*.

Taxonomic novelties:

Archaeomarasmius leggeti Hibbett, Grimaldi & Donoghue gen. et sp. nov. (1997); *Protomyцена electra* Hibbett, Grimaldi & Donoghue gen. et sp. nov. (1997); *Aureofungus yaniguaensis* Hibbett, Binder & Wang gen. et sp. nov. (2003); *Dikarya* Hibbett, T. Y. James & Vilgalys subregnum nov. (2007); *Jaapiaceae* Manfr. Binder, K. H. Larss. & Hibbett fam. nov. (2010); *Jaapiales* Manfr. Binder, K. H. Larss. & Hibbett ord. nov. (2010); *Amylocorticales* Manfr. Binder, K. H. Larss. & Hibbett ord. nov. (2010).

VII. Invited presentations:**Departmental seminars:**

Papua New Guinea University of Technology, Lae, Papua New Guinea. October 15, 1992.
 Department of Botany, University of Alberta, Edmonton, Alberta, Canada. March 24, 1994.
 Botany and Mycology Department, Tübingen University, Tübingen, Germany. October 9, 1995.
 Program in Organismic and Evolutionary Biology, University of Massachusetts, Amherst, MA.
 February 9, 1996.
 Department of Botany, University of Tennessee, Knoxville, TN. March 25, 1996.
 Department of Botany, University of Washington, Seattle, WA. November 18, 1997.
 Department of Botany, University of Oregon, Corvallis, OR. November 20, 1997.
 Department of Botany, Duke University, Durham, NC. January 22, 1998.
 Biology Department, University of Alberta, Edmonton, AB. February 13, 1998.
 Departments of Genetics and Plant Biology, University of New Hampshire, Durham, NH. Nov. 9,
 1998.
 Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs CT. Feb. 12, 1999
 Biology Department, Worcester State College, Worcester, MA. Sept. 29, 1999.
 Agriculture and Agri-Food Canada, Ottawa, Ontario, Canada. March 9, 2001.
 Department of Ecology and Evolutionary Biology, Yale University, New Haven, CT. Sept. 25, 2002.
 Department of Botany, University of Toronto, Ontario, Canada. Nov. 7, 2003.
 Biology Department, University of München, Germany. May 19, 2004.
 Botany and Mycology Department, Tübingen University, Tübingen, Germany. May 21, 2004.
 Department of Plant and Microbial Biology, University of California, Berkeley, CA. Nov. 15, 2004.
 Department of Biology, University of Western Ontario. Mar. 28, 2005.
 Broad Institute, Cambridge, MA. Dec. 16, 2005.
 Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs CT. Aug. 31, 2006.
 Biology Department, University of Maine, Orono ME. Oct. 6, 2006.
 Department of Biological Sciences, Louisiana State University, Baton Rouge LA. April 16, 2007.
 Department of Ecology and Evolutionary Biology, Brown University, Providence RI. April 23, 2007.
 Department of Botany, Miami University, Oxford OH. April 25, 2008.
 Department of Evolution, Ecology and Organismal Biology, Ohio State University, Columbus OH
 (Emanuel Rudolph seminar). May 21, 2008.
 Department of Forest Sciences, University of Helsinki, Helsinki, Finland. Sept. 15, 2010.
 Graduate Program in Plant Biology, Universidade Federal de Santa Catarina, Florianopolis, Brazil.
 Oct. 1, 2010.
 Department of Plant Pathology, Cornell University, Ithaca NY. Feb. 16, 2011.
 Department of Botany and Plant Pathology, Purdue University, West Lafayette IN. Feb. 22, 2012.
 Department of Plant, Soil and Insect Science, University of Massachusetts, Amherst MA. Feb. 27,
 2012.
 Department of Biomaterial Sciences, The University of Tokyo, Tokyo, Japan. Nov. 15, 2012.
 Department of Biological Sciences, George Washington University, Washington DC. Feb. 1, 2013.
 Forestry and Agricultural Biotechnology Institute, University of Pretoria, South Africa. April 19, 2013.
 Biology Department, Smith College, Northampton MA. Sept. 23, 2013.
 Department of Botany, University of Tartu, Tartu, Estonia. Oct. 14, 2013.
 Energy Biosciences Institute, University of California, Berkeley CA. Nov. 26, 2013.
 Biology Department, Union College, Schenectady NY. Feb. 20, 2014.
 Department of Biological Sciences, University of New Hampshire, Durham NH. Mar. 7, 2014.
 Fungus/Mushroom Resource and Research Center, Faculty of Agriculture, Tottori University, Tottori,
 Japan. Dec. 4, 2014.
 Department of Biomaterial Sciences, Graduate School of Agricultural and Life Sciences, The
 University of Tokyo, Bunkyo-ku, Tokyo, Japan. Dec. 5, 2014.
 Department of Plant Biology, University of Vermont, Burlington VT. Jan. 15, 2015.
 Genome Center of Wisconsin, University of Wisconsin, Madison WI. Jan. 22, 2015.

Symposia, workshops, etc:

Hibbett, D. S., B. D. Mishler, and R. Vilgalys. A cladistic analysis of the Agaricales. Seventh Annual
 Meeting of the Willi Hennig Society, University of Stockholm, Stockholm, Sweden. Aug. 26, 1988.

- Hibbett, D. S. Phylogenetic relationships of *Lentinus*: evidence from ribosomal RNA and morphology. Mycological Society of Japan Symposium on Recent Advances in Molecular Systematics of the Fungi. University of Tokyo, Tokyo, Japan. February 29, 1992.
- Vilgalys, R., and D. S. Hibbett. Fungal molecular systematics and our Linnaean heritage. The Holomorph Conference: an international symposium on mitotic, meiotic, and pleomorphic speciation in fungal systematics. Newport, Oregon. August 6, 1993.
- Hibbett, D. S. Molecular phylogenetics of polypores. Fifth International Mycological Congress Symposium on Systematics of the Basidiomycota. University of British Columbia, Vancouver, Aug. 16, 1994.
- Hibbett, D. S. Molecular evolution in *Lentinula*. International symposium on production and production of *Lentinus* mushroom. Qingyuan, China, November 3, 1994.
- Hibbett, D. S., and M. J. Donoghue. Molecular systematics of wood-decaying polypores and other homobasidiomycetes. Annual Meeting of American Phytopathological Society and Mycological Society of America. Indianapolis, July 29, 1996.
- Hibbett, D. S., and M. J. Donoghue. Integrating phylogenetic hypotheses and classification in fungi. American Bryological and Lichenological Society Symposium on "Bridging the gap between phylogeny and the classification of lichen-forming ascomycetes." August 6, 1997, Montreal. Abstract: *American Journal of Botany* 84 (Abstracts): 10.
- Hibbett, D. S. Evolution of ectomycorrhizae in the homobasidiomycetes. Annual meeting of the Gesellschaft für Mykologie und Lichenologie and Sektion Mykologie und Lichenologie der Deutschen Botanischen Gessellschaft. Eberhard-Karls-Universität, Tübingen, Germany, June 4, 1999.
- Hibbett, D. S. Molecular perspectives on the phylogeny and biogeography of shiitake mushrooms. XVI Botanical Congress Symposium on "Vicariance Biogeography revisited: data from ferns, bryophytes, algae, and fungi." St. Louis, MO, Aug. 5, 1999.
- Hibbett, D. S. Beyond pattern: New approaches for studying trends and correlations in fungal evolution. Centraalbureau voor Schimmelcultures symposium on "Mycology in the 21st century—Morphology and DNA in the phylogeny and taxonomy of fungi." Amsterdam, The Netherlands, May 11, 2000.
- Hibbett, D. S., and M. Binder. Evolution of corticioid homobasidiomycetes: Exploring the roles of elaboration and reduction in fungal morphological evolution. Annual meeting of the Mycological Society of America and American Phytopathological Society. Salt Lake City, Utah. Aug. 27, 2001.
- Hibbett, D. S. Trends in morphological evolution in homobasidiomycetes. Seventh International Mycological Congress. Oslo, Norway. August 13, 2002. (D. Hibbett, symposium organizer)
- Hibbett, D. S. Assembling the fungal branch of the tree of life. Academy Colloquium in Fungal Phylogenomics. Royal Netherlands Academy of Arts and Sciences. Amsterdam, The Netherlands. May 11, 2004.
- Hibbett, D. S., R. H. Nilsson, M. Snyder, and M. Shonfeld. Toward an automated phylogenetic taxonomy of homobasidiomycetes. Annual meeting of the Mycological Society of America, Asheville, North Carolina, July 2004. (D. Hibbett, symposium organizer)
- Hibbett, D. S., and P. Brandon Matheny. Assembling the fungal tree of life: resolving the leaves and branches of the Basidiomycota phylogeny. International Union of Microbiological Societies/International Congress of Mycology (ICM plenary session). San Francisco, California, July, 2005.
- Hibbett, D. S. After the gold rush, or before the flood? Evolutionary morphology of mushroom-forming fungi in the early 21st century. British Mycological Society Annual Conservation and Taxonomy Meeting. London, England. Dec. 3, 2005.
- Hibbett, D. S. A remembrance of things past, and the shape of things to come. Middle Atlantic States Mycology Conference keynote address. Pennsylvania State University, May 6, 2006.
- Hibbett, D. S. The mushrooming of mushrooms. Annual Meeting of the Society for Molecular Biology and Evolution. Arizona State University, Tempe Arizona, May 26, 2006.
- Hibbett, D. S. Automated phylogenetic taxonomy and prospects for assembling the tree of life: a mycologist's perspective. Second Meeting of the International Society for Phylogenetic Nomenclature. Yale University, New Haven Connecticut, July 2, 2006.
- Binder, M., and D. S. Hibbett. Molecular systematics and evolution of Boletales. 8th International Mycological Congress, Cairns, Australia, August 2006.

- Hibbett, D. S. Assembling the fungal tree of life. Tree of Life Symposium, Beijing, China, June, 2007.
- Binder, M., P. B. Matheny, K.-H. Larsson, E. Larsson, and D. S. Hibbett. New perspectives on the early evolution of Agaricomycetidae. Annual meeting of the Mycological Society of America, Baton Rouge, Louisiana, August 6-9, 2007.
- Hibbett, D. S. Automated phylogenetic taxonomy of fungi. Phyloinformatics Workshop, e-Science Institute/Isaac Newton Institute for Mathematical Sciences. Edinburgh, Scotland, October 22-24, 2007.
- Hibbett, D. S. Automated phylogenetic taxonomy. 4th Annual Plant Biology Symposium. Harvard University, Cambridge MA, May 8, 2008.
- Hibbett, D. S., I. Morgenstern, and D. Floudas. Phylogenetics and Comparative genomics of brown rot basidiomycetes. 25th Fungal Genetics Conference, Basidiomycete Biology and Genomics Symposium, Pacific Grove, CA, Mar. 18, 2009.
- Hibbett, D. S. Mushrooms in the Great Tree of Life. Society for General Microbiology, Darwin's Tree of Life Symposium. Heriot-Watt University, Edinburgh, Sept. 8, 2009.
- Binder, M., and D. S. Hibbett. Codivergence analyses of Fungi, Plants, and Animals. Annual Meeting of the Mycological Society of America, The Challenges Posed by Large Data Sets in Assembling the Plant and Fungal Trees of Life Symposium. Snowbird, UT, Jul. 27, 2009.
- Hibbett, D. S. Knowing and growing the fungal tree of life. Plenary address. International Mycological Congress. Edinburgh, Scotland, Aug. 4, 2010.
- Hibbett, D. S. Integrating environmental sequences into fungal taxonomy. Strategies and tools for microbial taxonomy and ecology. Plenary session. Twelfth International Conference on Culture Collections. Florianopolis, Brazil. Sept. 28, 2010.
- Hibbett, D. S. Evolution of nutritional modes in Agaricomycetes: phylogenetic and genomic perspectives. Microbial taxonomy, phylogeny and biogeography, invited session. Twelfth International Conference on Culture Collections. Florianopolis, Brazil. Sept. 28, 2010.
- Hibbett, D. S. D. Cullen, F. Martin, D. C. Eastwood, A. Pisabarro, and I. Grigoriev. Diversity and evolution of the wood-decay apparatus in saprotrophic Agaricomycotina. Plenary session. 26th Fungal Genetics Conference, Pacific Grove CA. March 15, 2011.
- Hibbett, D. S. Diversity and evolution of the wood decay apparatus in saprotrophic Agaricomycotina. 58th Annual Systematics Symposium, Missouri Botanical Garden, St. Louis, MO. Oct. 8, 2011.
- Hibbett, D. S. Diversity and evolution of the wood decay apparatus in saprotrophic Agaricomycotina. Larry Grand Symposium, keynote address. Department of Plant Pathology, North Carolina State University. Raleigh, NC. Nov. 3, 2011.
- Hibbett, D. S. Evolutionary perspectives on diversity of lignocellulose decay mechanisms in basidiomycetes. Department of Energy Joint Genome Institute 7th Annual Genomics of Energy and Environment Meeting. Walnut Creek, CA. Mar. 21, 2012.
- Hibbett, D. S. Three (unfinished) mycological tales. MSA Presidential address. Mycological Society of America annual meeting, New Haven, CT. Jul. 16, 2012.
- Hibbett, D. S. Diversity and evolution of wood decay systems in saprotrophic and mycorrhizal Agaricomycetes (mushroom-forming fungi). Special Lecture, The 12th Conference on Fungal Genetics and Molecular Biology. Fungal Molecular Biology Society of Japan. Nagoya, Japan. Nov. 12, 2012.
- Hibbett, D. S. Comparative developmental morphology in lentinoid mushrooms: toward a new fungal evo-devo? Fungal evo-devo session. 27th Fungal Genetics Conference, Pacific Grove CA. March 16, 2013.
- Hibbett, D. S., D. Floudas, and L. Nagy. Evolution of the wood decay apparatus in saprotrophic and mycorrhizal Agaricomycetes. Symposium: New insights into functional and evolutionary biology of fungi through comparative genomics (Angel Martinez and D. Hibbett, symposium organizers) FEMS2013 (Fifth Congress of European Microbiologists). Leipzig, Germany. July 23, 2013.
- Cullen, D., D. Floudas, and D. S. Hibbett. Mechanisms of wood decay inferred from recent genome investigations. Symposium: Functional, Evolutionary, and Ecological Diversity of Wood Decay Systems. (D. Hibbett, symposium organizer) Annual meeting of the American Phytopathological Society and Mycological Society of America, Austin, TX. Aug. 11, 2013.
- Nagy, L., D. Floudas, R. Riley, K. Barry, I. V. Grigoriev and D. S. Hibbett. Diversification of wood decay systems in early evolution of Agaricomycotina. Symposium: Functional, Evolutionary, and Ecological Diversity of Wood Decay Systems. (D. Hibbett, symposium organizer) Annual meeting

- of the American Phytopathological Society and Mycological Society of America, Austin, TX. Aug. 11, 2013.
- Hibbett, D. S., D. Floudas, L. Nagy, A. Kohler, R. Riley, A. Kuo, I. V. Grigoriev, F. Martin, and the Mycorrhizal Genomics Consortium. Diversity and evolution of saprotrophic capabilities in ectomycorrhizal Agaricomycetes. 33rd New Phytologist Symposium, Networks of power and influence: ecology and evolution of symbioses between plants and mycorrhizal fungi. Zurich, Switzerland. May 16, 2014.
- Hibbett, D. S. Challenges and opportunities in sequence-based identification and classification of fungi. Symposium: Sequence-based Identification of Fungi. Annual meeting of the Mycological Society of America, East Lansing, MI. June. 11, 2014.
- Hibbett, D. S. Recent progress in sequence-based classification of Fungi. Symposium: Diversity assessment, community ecology and species discovery using high throughput sequencing. Tenth International Mycological Congress, Bangkok, Thailand. Aug. 4, 2014.
- Gazis, R. O., and D. S. Hibbett. The *Xylona heveae* (Xylonomycetes) genome: a window to fungal Endophytism. Symposium: Genetics and genomics of fungal host-specificity and evasion of host immunity. Tenth International Mycological Congress, Bangkok, Thailand. Aug. 4, 2014.
- Nagy, L. G. and D. S. Hibbett. The phylogenetic data pipeline 'COMPARE': new bioinformatic tools to gain insight into processes of fungal genome evolution. Symposium: Mycoinformatics. Tenth International Mycological Congress, Bangkok, Thailand. Aug. 5, 2014.
- Floudas, D., R. Riley, R. Blanchette, I. V. Grigoriev, and D. S. Hibbett. Brown and white rots or a gradient of wood degradation mechanisms? The examples of *Fistulina* and *Cylindrobasidium*. Symposium: Genetics and genomics of mycorrhizal and saprotrophic fungi. Tenth International Mycological Congress, Bangkok, Thailand. Aug. 7, 2014. (D. Hibbett, symposium organizer)
- Gazis, R. O., and D. S. Hibbett. Lost in translation: Challenges of transferring information from phylogenies into taxonomy. Symposium: Fungal diversity: from morphology to high throughput sequencing. Tenth International Mycological Congress, Bangkok, Thailand. Aug. 7, 2014.
- Hibbett, D. S. The origin of lignin decomposition in fungi. 10th New Phytologist Workshop, Origin and evolution of plants and their interactions with fungi. Natural History Museum, London, England. Sept. 9-10, 2014.
- Hibbett, D. S., D. Floudas, L. G. Nagy, R. Blanchette, R. Riley and I.V. Grigoriev. The origin of lignin decomposition by fungi. 8th Latin American Congress of Mycology, Medellin, Colombia. Nov. 5, 2014.
- Hibbett, D. S. The roots of rot: phylogenomics of wood decay fungi and the "end of the Carboniferous". The 30th International Symposium in conjunction with award of the International Prize for Biology. The Japan Academy, Ueno, Tokyo, Japan. Dec. 2, 2014.
- Hibbett, D. S. Diversity and evolution of saprotrophic capabilities in ectomycorrhizal Agaricomycetes. The 29th Symposium of Kanto Branch of the Mycological Society of Japan. Tokyo University of Agriculture, Setagaya, Tokyo. Dec. 6, 2014.

VIII. Teaching and supervisory experience:

Courses offered (Clark University, unless otherwise indicated):

- First-Year Research Seminar (BIOL 100)
- Introductory Biology (BIOL 102)
- Biodiversity (BIOL 104)
- Botanical Diversity (BIOL 110)
- Fungal Biology (BIOL 180)
- Seminar in Mycology—Fungal Molecular Ecology (BIOL 252)
- Molecular Evolution and Systematics (BIOL 254)
- Biology of Symbiosis (BIOL 256)
- Graduate Seminar in Evolution (BIOL 343)
- Introduction to Bioinformatics (BINF 101)
- Microbiology (Framingham State College, Spring1993).

Graduate students:

Current Ph.D. students: Alicia Knudson, Mitchell Nuhn, Jaya Seelan.

Former Ph.D. students: Zheng Wang (2006, now Associate Research Scientist, Yale School of Public Health), Jason Slot (2008, now Assistant Professor, The Ohio State University), Andrew Wilson (2009, now Post-doctoral Fellow, laboratory of Dr. Cathie Aime, Purdue University), Ingo Morgenstern (2010, now Post-doctoral Fellow, laboratory of Adrian Tsang, Concordia University), Dimitris Floudas (2014, now Post-doctoral Fellow, laboratory of Anders Tunlid, University of Lund)

Masters students: Rachael Martin (2014), Alexis Carlson (2014), Dylan Glotzer (2012), Darcy Young (2012), Brian Seitzman (2012), Anders Ohman (2011), Greta Goranova (2003)

Ph.D. Advisory committees:

Clark University: Chris Vitek (2004, Advisor: Todd Livdahl), Paula Hartzell (2005, Advisor: Todd Livdahl), Camilo Khatchikian (2009, Advisor: Todd Livdahl), Sohini Ghoshroy (2010, Advisor: Deborah Robertson), John Soghigian (Advisor: Todd Livdahl)

The City University of New York: Maria-Alice Neves (2007, Advisor: Roy Halling)

Harvard University: Brian Perry (2006, Advisor: Donald H. Pfister)

University of Washington: Lorelei Norvell (1998, Advisor: Joseph F. Ammirati)

Yale University: Rachel Novick (2008, Advisor: Michael J. Donoghue)

State University of New York, College of Environmental Science and Forestry: Jeremy Hayward (2014, Advisor, Thomas Horton)

University of Pretoria: Tuan Duong (2013, Advisor: Michael J. Wingfield)

Post-doctoral Fellows:

Manfred Binder (2000-2012), P. Brandon Matheny (2003-2008), Ricardo Garcia-Sandoval (2007-2008), Laszlo Nagy (2012-2014), Otto Miettinen (2012-2014), Alfredo Justo (2008-2014), Romina Gazis (2012-).