

## CURRICULUM VITAE

Name: John Waldo Taylor  
Website: <http://nature.berkeley.edu/taylorlab/>  
Rank: Professor, Department of Plant and Microbial Biology  
Curator, Mycological Collections, University Herbarium  
Place of Birth: Colorado Springs, Colorado Birth Date: May 16, 1950  
Marital Status: Married to Delia E. Barnes Taylor  
Two children: Ryan W. (born 7/30/82) and Gavin M. (born 10/30/86)

### DEGREES:

September, 1978	University of California, Davis Mitosis in <i>Bullera alba</i>	Ph.D.
June, 1974	University of California, Davis Mycology	M.S.
June, 1972	University of California, Berkeley Biology, Ecology: distinction in general scholarship and the honors program	B.A.
June 1978-July 1980	University of Georgia, Athens Development in <i>Chytridium confervae</i> .	Postdoctoral Researcher

### PROFESSIONAL EXPERIENCE:

2008-	Professor Above Scale, Department of Plant Biology	UC Berkeley
2003-2009	Chair, Division of Microbial Biology	UC Berkeley
2003-2009	Assoc. Chair, Department of Plant Biology	UC Berkeley
2004-2008	Professor IX, Department of Plant Biology	UC Berkeley
2001-2004	Professor VII, Department of Plant Biology	UC Berkeley
1998-2001	Professor V, Department of Plant Biology	UC Berkeley
1995-1998	Professor IV, Department of Plant Biology	UC Berkeley
1995-1996	Guest Professor, Botanical Institute	Univ. Copenhagen
1992-1995	Professor II, Department of Plant Biology and Curator, University Herbarium	UC Berkeley
1990-1992	Associate Professor IV, Department of Plant Biology	UC Berkeley
1988-1990	Associate Professor, II, Department of Plant Biology	UC Berkeley
1987-1988	Visiting Scientist, CSIRO, Food Research Lab	Sydney, Australia
1986-1988	Associate Professor, I, Department of Botany and Associate Curator, University Herbarium	UC Berkeley
1980-1986	Assistant Professor, Department of Botany	UC Berkeley
1978-1980	Postdoctoral Research Associate	Univ. Georgia
1976-1977	Graduate Fellowship, Mycological Soc. Amer.	UC Davis

### PROFESSIONAL SOCIETIES, HONORS, AND AWARDS:

2010	Elected President, International Mycological Association
2010	Member, Editorial Board of IMAFungus
2009	Member, Editorial board of mBIO
2008	Distinguished Mycologist, Mycological Society of America
2005	Elected Fellow, Mycological Society America
2005	Distinguished Teaching Award, College of Natural Resources, UC, Berkeley
2004	Rhoda Benham Medal, Medical Mycological Society of the Americas.
2003	Lucille K. Georg Medal, International Society for Human and Animal Mycology
2002	President, Mycological Society of America
2000	Elected Fellow of the American Assoc. for the Advancement of Science

**PROFESSIONAL SOCIETIES, HONORS, AND AWARDS, continued:**

1999 Miller Research Professor, U.C. Berkeley  
 1998 Elected fellow of the American Academy of Microbiology  
 1998 Member of the Executive Committee, International Mycological Association  
 1996 - Associate editor of Fungal Genetics and Biology (USA)  
 1993 -98 Member of the editorial board and Assoc. Editor of Mycologia (USA)  
 1994 William H. Weston Award for Teaching, Mycological Soc. of America  
 1994 -97 Associate editor of Mycological Research (U.K.)  
 1993 Elected to the California Academy of Sciences  
 1993 - Trustee of the Jepson Herbarium  
 1993 Organizing Committee, Int'l Workshop on Ascomycete Systematics, Paris  
 1993 - Member, American Society for Microbiology  
 1991 -94 Mycological Society of America, representative to AAAS  
 1990 -94 Member, Program Committee, 5th International Mycological Congress, 1994  
 1990 Chairman, Annual Meeting Program Committee, Mycol. Soc. of America  
 1989 -93 Member of the editorial board of Mycologia  
 1988 AAAS Representative to the Australian and New Zealand AAS Centenary  
 1988 - Member, British Mycological Society  
 1987 -88 Visiting Scientist, CSIRO Laboratory of Food Research, North Ryde, Australia  
 1986 Alexopoulos Prize for Research, Mycological Society of America  
 1985 -88 Councilor, Mycological Society of America  
 1985 - Member, Society for the Study of Evolution  
 1983 - Member, American Association for the Advancement of Science  
 1976 Graduate Fellowship, Mycological Society of America  
 1974 - Member, Mycological Society of America, Life Member 1999

**GRANTS:**National Institutes of Health

2008-2012	Principal Investigator	1 R24 GM081597	UC Berkeley
2007-2012	Principal Investigator	1 RO1 AI070891	UC Berkeley
1995-2005	Co-Principal Investigator	1 PO1 AI37232	UC Berkeley
2000-2003	Principal Investigator	1 RO3 TW01308	UC Berkeley
1998-2002	Principal Investigator	1 RO1 AI43491	UC Berkeley
1995-1998	Principal Investigator	1 RO1 HL55953	UC Berkeley
1992-1995	Principal Investigator	1 RO1 AI28545	UC Berkeley
1989-1992	Principal Investigator	1 RO1 AI28545	UC Berkeley

National Science Foundation

2005-2010	Principal Investigator	DEB 05-16511	UC Berkeley
2003-2006	Principal Investigator	DEB 03-16710	UC Berkeley
2000-2003	Principal Investigator	DEB 99-81987	UC Berkeley
1994-1997	Principal Investigator	DEB 93-18119	UC Berkeley
1995-1997	Co-Principal Investigator	DBI 94-20026	UC Berkeley
1990-1993	Principal Investigator	BSR 90-07141	UC Berkeley
1987-1990	Principal Investigator	BSR 87-00391	UC Berkeley
1987-1988	Principal Investigator	INT 87-02240	UC Berkeley
1986-1989	Principal Investigator	BSR 85-16513	UC Berkeley
1983-1986	Principal Investigator	BSR 82-14815	UC Berkeley
1980-1982	Principal Investigator	DEB 80-25037	UC Berkeley
1979-1980	Co-Principal Investigator	DEB 79-04731	Univ. Georgia

USDA Competitive Research Grants

1999 - 2001	Principal Investigator	NRI SSB 9900767	UC Berkeley
1987-1990	Co-Principal Investigator	GAM 87-01954	UCB/USFS

## INSTRUCTION:

Plant Biology 220	Graduate Microbiology	Fall 2000-2010 (annually)
Plant Biology 110	Biology of Fungi	Fall 1980 -Fall 2010 (biannual from '90)
Plant Biology 290	Graduate Seminars:	Annually 1980-2004, 2007
Plant Biology 102	Diversity of Plants and Fungi	Fall 1990, '92, '94, '97, 01, '03, '05, '07, '09
Botany 201	Advanced Mycology	Spring 1981, 1983, 1985
Botany 233, 233L	Electron Microscopy	Wtr/Spr. 1982 through 1985
Biology 12	Molds and Humans	Spring 1982

## PUBLICATIONS:

- 182 Turner, E., Jacobson, D. J. and J. W. Taylor. 2011. Genetic architecture of a reinforced, postmating, reproductive isolation barrier between *Neurospora* species indicates evolution via natural selection. PLoS Genetics (in press).
- 181 Ellison, C. E., Stajich, J. E., Jacobson D. J., Lapidus, A., Foster, B., Aerts. A., Riley, R., Lindquist, E. A., Grigoriev, I. V., and J. W. Taylor. 2011. Massive changes in genome architecture accompany the transition to self-fertility in the filamentous fungus *Neurospora tetrasperma*. Genetics (in press).
- 180 Anna Muszewska, A., Taylor, J. W., Szczyński, P. and M. Grynberg. 2011. Independent subtelomeres expansions in fungi associated with animals. Molecular Biology and Evolution (in press).
- 179 Roper, M., Ellison, C., Taylor, J., and N. L. Glass. 2011. Nuclear and genome dynamics in multinucleate ascomycete fungi. Current Biology (in press).
- 178 Prachand Shrestha, P., Szaro, T. M., Bruns, T. D., and J. W. Taylor. 2011. Systematic search for cultivatable fungi that best deconstruct cell walls of *Miscanthus* and sugarcane in the field. Applied and Environmental Microbiology (in press).
- 177 Taylor, J. W., 2011. One Fungus = One Name: DNA and fungal nomenclature twenty years after PCR. IMA Fungus 2:113-120.
- 176 Hawksworth, D. L., Crous, P. W., Redhead, S. A., Reynolds, D. R., Samson, R. A., Seifert, K. A., Taylor, J. W., Wingfield, M. J., et al. 2011. The Amsterdam declaration on fungal nomenclature. IMA Fungus. 2, 105-112..
- 175 Taylor, J.W. 2011. Keynote paper: The poetry of mycological accomplishment and challenge. Fungal Biological Reviews (in press, doi:10.1016/j.fbr.2011.01.005)
- 174 Ellison, C. E., C. Hall, D. Kowbel, J. Welch, R. B. Brem, N. L. Glass, and J. W. Taylor. 2011. Population genomics and local adaptation in wild isolates of a model microbial eukaryote. Proceedings of the National Academy of Science (USA) 107:2831-2836.
- 173 Taylor, J. W. and C. E. Ellison. 2010. Mushrooms: Morphological complexity in the fungi. PNAS 107: 11655-11656.
- 172 Turner, E., D. J. Jacobson, et al. 2010. Reinforced postmating reproductive isolation barriers in *Neurospora*, an Ascomycete microfungus. J. Evol. Biol 23: 1642-1656.
- 171 Hawksworth, D. L., J. A. Cooper, et al. 2010. Proposals 117-119: To make the pre-publication deposit of key nomenclatural information in a recognized repository a requirement for valid publication of organisms treated as fungi under the CODE." Mycotaxon 111: 514-519.
- 170 Neafsey, D. E., B. M. Barker, Sharpton, T.J., Stajich, J. E., Park, D. J., Whiston, E. . . . Taylor, J.W., Rounsley, S. D. (2010). Population genomic sequencing of *Coccidioides* fungi reveals recent hybridization and a novel form of transposon control. Genome Research 20:938-946.
- 169 Berbee ML & Taylor JW. 2010. Dating the molecular clock in fungi -- how close are we? Fungal Biology Reviews doi:10.1016/j.fbr.2010.03.001.
- 168 Stajich, JE, Berbee, ML, Blackwell, M, Hibbett, DS, James, TY, Spatafora, JW, Taylor, JW. 2009. The Fungi. Current Biology 19: R840-845.
- 167 James TY, Litvintseva AP, Vilgalys R, Morgan JAT, Taylor JW, Fisher MC, Berger L, Weldon C, du Preez L, Longcore JE. 2009. Rapid Global Expansion of the Fungal Disease Chytridiomycosis into Declining and Healthy Amphibian Populations. PLoS Pathogens 5: e1000458.

- 166 Sharpton TJ, Stajich JE, Rounsley SD, Gardner MJ, Wortman JR, Jordar VS, Maiti R, Kodira CD, Neafsey DE, Zeng Q, Hung C-Y, McMahan C, Muszewska A, Grynberg M, Mandel MA, Kellner EM, Barker BM, Galgiani JN, Orbach MJ, Kirkland TN, Cole GT, Henn MR, Birren BW, and JW Taylor. 2009. Comparative genomic analyses of the human fungal pathogens *Coccidioides* and their relatives. *Genome Research* 19 1722-1731.
- 165 Christopher F. Villalta, David J. Jacobson and John W. Taylor. 2009. Three new phylogenetic and biological *Neurospora* species: *N. hispaniola*, *N. metzenbergii* and *N. perkinsii*. *Mycologia* 101: 777-789.
- 164 Vilela, R., Rosa, PS, Belone, AFF, Taylor JW, Diorio SM, Mendoza, L. 2009. Molecular phylogeny of animal pathogen *Lacazia loboi* inferred from rDNA and DNA coding sequences. *Mycological Research* 113: 851-857.
- 163 Sharpton, T. J., Neafsey, D. E., Galagan, J. E., Taylor, J. W. 2008. Mechanisms of intron gain and loss in *Cryptococcus*. *Genome Biology* 9:R24
- 162 Bidartondo, M. et al. 2008. Preserving Accuracy in GenBank. *Science (letters)* 319:1616.
- 161 Carrero, L. L., Niño-Vega, G., Teixeira, M.M., Carvalho, M.J.A., Soares, C.M.A., Pereira, M., Jesuino, R.S.A., McEwen, J.G., Mendoza, L., Taylor, J.W., Felipe, M.S., and G. San-Blas. 2008. New *Paracoccidioides brasiliensis* isolate reveals unexpected genomic variability in this human pathogen. *Fungal Genetics and Biology* 45:605-612.
- 160 Heitman, J., Kronstad, J.W., Taylor, J.W., and Casselton, L.A. 2007. Sex in fungi: molecular determination and evolutionary implications. In *Sex in fungi: molecular determination and evolutionary implications*. ASM Press, Washington USA. p. xxv + 542 pp.
- 159 Morgan, J.A.T., Vredenburg, V.T., Rachowicz, L.J., Knapp, R.A., Stice, M.J., Tunstall, T., Bingham, R.E., Parker, J.M., Longcore, J.E., Moritz, C., Briggs, C.J., Taylor, J.W. 2007. Enigmatic amphibian declines and emerging infectious disease: population genetics of the frog killing fungus *Batrachochytrium dendrobatidis*. *PNAS* 104:13845-13850.
- 158 Berbee, M. L., and J. W. Taylor. 2007. Rhynie chert: a window into a lost world of complex plant-fungus interactions. *New Phytologist* 174:475-479.
- 157 Taylor, J.W., Turner, E., Pringle, A., Dettman, J., Johannesson, H. (2007). Fungal species: thoughts on their recognition, maintenance and selection. Pp. 313-339, In 'Fungi in the Environment' (British Mycological Society Symposia No. 25) eds. G.M. Gadd, S.C. Watkinson and P.S. Dyer. Cambridge: Cambridge University Press
- 156 Taylor, J.W. and M. L. Berbee. (2006). Dating divergences in the Fungal Tree of Life: Review and new analyses. *Mycologia* 98:838-849.
- 155 Blackwell, M., Hibbett, D. S., Taylor, J. W., Spatafora, J.W. (2006). Research coordination networks: A phylogeny for kingdom fungi (Deep Hyphae). *Mycologia* 98:829-837.
- 154 Taylor, J.W., Turner, E., Townsend, J. P., Dettman, J. R., Jacobson, J. (2006). Eukaryotic microbes, species recognition and the geographic limits of species: examples from the kingdom Fungi. *Philosophical Transactions of the Royal Society B*. 361:1947-1963.
- 153 James, T. Y., F. Kauff, C. L. Schoch, P. B. Matheny, V. Hofstetter, C. J. Cox, G. Celio, C. Gueidan, E. Fraker, J. Miadlikowska, H. T. Lumbsch, A. Rauhut, V. Reeb, A. E. Arnold, A. Amtoft, J. E. Stajich, K. Hosaka, G. H. Sung, D. Johnson, B. O'Rourke, M. Crockett, M. Binder, J. M. Curtis, J. C. Slot, Z. Wang, A. W. Wilson, A. Schussler, J. E. Longcore, K. O'Donnell, S. Mozley-Standridge, D. Porter, P. M. Letcher, M. J. Powell, J. W. Taylor, M. M. White, G. W. Griffith, D. R. Davies, R. A. Humber, J. B. Morton, J. Sugiyama, A. Y. Rossman, J. D. Rogers, D. H. Pfister, D. Hewitt, K. Hansen, S. Hambleton, R. A. Shoemaker, J. Kohlmeyer, B. Volkmann-Kohlmeyer, R. A. Spotts, M. Serdani, P. W. Crous, K. W. Hughes, K. Matsuura, E. Langer, G. Langer, W. A. Untereiner, R. Lucking, B. Budel, D. M. Geiser, A. Aptroot, P. Diederich, I. Schmitt, M. Schultz, R. Yahr, D. S. Hibbett, F. Lutzoni, D. J. McLaughlin, J. W. Spatafora and R. Vilgalys (2006). "Reconstructing the early evolution of Fungi using a six-gene phylogeny." *Nature* 443(7113): 818-22.

- 152 Jacobson, D. J., Jeremy Dettman , Rachel Adams , Cornelia Boesl , Shahana Sultana , Till Roenneberg ,  
Martha Merrow , Margarida Duarte , Isabel Marques , Alexandra Ushakova , Patrícia Carneiro ,  
Arnaldo Videira , Laura Navarro-Sampedro , María Olmedo , Luis Corrochano , John Taylor (2006).  
New findings of *Neurospora* in Europe and comparisons of diversity in temperate climates on  
continental scales. *Mycologia* 98:550-559.
- 151 Dettman, J.R., Jacobson, D.J. and J.W. Taylor. 2006. Multilocus sequence data reveal extensive  
phylogenetic species diversity within the *Neurospora discreta* complex. *Mycologia* 98:436-446.
- 150 Matute, D.R., Sepulveda, V.E., Quesada, L.M., Goldman, G.H., Taylor, J.W., Restrepo, A., McEwen,  
J.G. 2006. Microsatellite analysis of three phylogenetic species of *Paracoccidioides brasiliensis*. *J. Clinical  
Microbiology* 44: 2153-2157.
- 149 Johannesson, H. Kasuga, T., Schaller, R.A, Good, B. Gardner, M.J., Townsend, J.P., Cole, G.T., and J.  
W. Taylor. 2006. Phase-specific gene expression underlying morphological adaptations of the  
dimorphic human pathogenic fungus, *Coccidioides posadasii*. *Fungal Genetics and Biology* 43:545-559.
- 148 Taylor, J.W. 2006. Evolution of human-pathogenic fungi: Phylogenies and species. Pp. 113-132 and  
Color Plate 5. In: *Molecular Principles of Fungal Pathogenesis*, J. Heitman et al. (eds). ASM Press,  
Washington, D.C.
- 147 Aa, E., Townsend, J. P., Adams, R. I., Nielsen, K. M., Taylor, J. W. 2006. Population structure and gene  
evolution in *Saccharomyces cerevisiae*. *FEMS Yeast Research* 6:702-715.
- 146 Matute, D.R, McEwen, J.G., Puccia, R., Montes, B.A., San-Blas, G., Bagagli, E., Rauscher, J.T.,  
Restrepo, A., Morais, F., Niño-Vega, G., and J. W. Taylor. 2006. Cryptic speciation and recombination  
in the fungus *Paracoccidioides brasiliensis* as revealed by gene genealogies. *Molecular Biology and  
Evolution* 23:65-73
- 145 Kasuga, T., Townsend, J.P., Tian, C., Gilbert, L.B., Mannhaupt, M., Taylor, J.W., and N. Louise Glass  
2005 Long oligomer microarray profiling in *Neurospora crassa* reveals the transcriptional program  
underlying biochemical and physiological events of conidial germination. *Nucleic Acids Research* 33:  
6469-6485.
- 144 Rachowicz, L. J., Hero, J.-M., Alford, R. A., Taylor, J. W., Morgan, J. A. T., Vredenberg, V. T., Collins,  
J. P. and C. J. Briggs. 2005. The novel and endemic pathogen hypotheses: Competing explanations for  
the origin of emerging infectious diseases of wildlife. *Conservation Biology* 19:1441-1447.
- 143 Whitaker, R.J., Grogan, D.W., and J.W. Taylor. 2005. Recombination Shapes the Natural Population  
Structure of the Hyperthermophilic Archaeon *Sulfolobus "islandicus"*. *Molecular Biology and  
Evolution* 22: 2354-2361.
- 142 Johannesson, H., Townsend, J.P., Hung, C.-Y., Cole, G.T., and J.W. Taylor. 2005. Concerted evolution  
in the repeats of an immunomodulating cell surface protein, SOWgp, of the human pathogenic fungi  
*Coccidioides immitis* and *C. posadasii*. *Genetics* 171: 109-117.
- 141 Pringle, A., Baker, D.M., Platt, J.L., Wares, J.P., Latgé, J.P., and J.W. Taylor. 2005. Cryptic speciation in  
the cosmopolitan and clonal human pathogenic fungus *Aspergillus fumigatus*. *Evolution* 59: 1886-1899.
- 140 Pawlowska, T. and J. W. Taylor. 2005. Arbuscular mycorrhizal fungi: Hyphal fusion and  
multigenomic structure (reply). *Nature* 433:E4.
- 139 Townsend, J.P. and J. W. Taylor. 2005. Designing experiments using spotted microarrays to detect  
gene regulation differences within and among species. *Methods in Enzymology* 395:597-617.
- 138 Nascimento, T., Martinez, R., Lopes, A. R., Bernardes, L. A. D., Barco, C. P., Goldman, M. H. S.,  
Taylor, J. W., McEwen, J. G., Nobrega, M. P., Nobrega, F. G. and Goldman, G. H. 2004. Detection and  
selection of microsatellites in the genome of *Paracoccidioides brasiliensis* as molecular markers for  
clinical and epidemiological studies. *Journal of Clinical Microbiology* 42: 5007-5014
- 137 Dettman, J.R. and J. W. Taylor. 2004. Mutation and evolution of microsatellite loci in *Neurospora*.  
*Genetics* 168:1231-1248.
- 136 Taylor, J.W., Spatafora, J., O'Donnell, K., Lutzoni, F., James, T., Hibbett, D.S., Geiser, D., Bruns, T.D.,  
and M. Blackwell. 2004. Pp. 171-194. The relationships of fungi. In: Cracraft, J. and Donoghue, M  
(eds.) *The Tree of Life*. Oxford.

- 135 Johannesson, H., Vidal, P., Guarro, J., Herr, R.A., Cole, G.T., and J. W. Taylor. 2004. Positive directional selection in the proline-rich-antigen (PRA) gene among the human pathogenic fungi *Coccidioides immitis*, *Coccidioides posadasii* and their closest relatives. *Molecular Biology and Evolution* 21:1134-1145.
- 134 Pawlowska, T. and J. W. Taylor. 2004. Organization of genetic variation in individuals of arbuscular mycorrhizal fungi. *Nature* 427:733-737.
- 133 Jacobson, D.J., Powell, A.J., Dettman, J.R., Saenz, G.S., Barton, M.M., Hiltz, M.D., Dvorachek, W.H., Jr., J.W. Taylor and D.O. Natvig. 2004. *Neurospora* in temperate forests of western North America. *Mycologia* 96:66-74.
- 132 Medina, M., Collins, A.G., Taylor, J.W., Valentine, J.W., Lipps, J.H., Amaral-Zettler, L., and M. L. Sogin. 2003. Phylogeny of Opisthokonta and the evolution of multicellularity and complexity in Fungi and Metazoa. *International Journal of Astrobiology* 2 (3) : 203–211.
- 131 Andersen, B., Nielsen, K.F., Thrane, U. Szaro, T. Taylor, J.W. and B.B. Jarvis. 2003. Molecular and phenotypic descriptions of *Stachybotrys chlorohalonata* sp. nov and two chemotypes of *Stachybotrys chartarum* found in water damaged buildings. *Mycologia* 95:1227-1238.
- 130 Kroken, S., Glass, N.L., Taylor, J.W., Yoder, O.C., and B.G. Turgeon. 2003. Phylogenomic analysis of type I polyketide synthase genes in pathogenic and saprobic ascomycetes. *Proc. Natl Acad. Sci. (USA)* 100:15670-15675.
- 129 Kasuga, T., T. J. White, Gina Koenig, J. McEwen, A. Restrepo, E. Castaneda, C. de S. Lacaz, E. M. Heins-Vaccari, R. S. de Freitas, R. M. Zancoppe-Oliveira, Z. Qin, R. Negrone, D. A. Carter, Y. Mikami, M. Tamura, M. L. Taylor, G. F. Miller, N. Poonwan and J. W. Taylor. 2003. Phylogeography of the fungal pathogen *Histoplasma capsulatum*. *Molecular Ecology* 12:3383-3401
- 128 Dettman, J.R., Jacobson, D. J. and J.W. Taylor. 2003. A multilocus genealogical approach to phylogenetic species recognition in the model eukaryote, *Neurospora*. *Evolution* 57:2703-2720.
- 127 Dettman, J.R., Jacobson, D. J., Turner, E., Pringle, A. J., and J. W. Taylor. 2003. Recognizing species under biological and phylogenetic species concepts: Reproductive Isolation versus Phylogenetic Divergence. *Evolution* 57:2721-2741.
- 126 Whitaker, R. J., Grogan, D.W. and J. W. Taylor. 2003. Geographic barriers isolate endemic populations of hypothermophilic Archaea. *Science* 301:976-978. [Perspective p. 925, NYT article, August 26, 2003, p. D3]
- 125 Taylor, J.W. and M. C. Fisher. 2003. Fungal multilocus sequence typing – it’s not just for bacteria. *Current Opinion in Microbiology* 6:351-356.
- 124 Pringle, A., Chen, D., Taylor, J.W. 2003. Sexual fecundity is correlated to size in the lichenized fungus *Xanthoparmelia cumberlandia*. *The Bryologist* 106:221-225.
- 123 Kasuga, T., White, T. J., Taylor, J.W. 2002. Estimation of nucleotide substitution rates in Eurotiomycete fungi. *Molecular Biology and Evolution* 19:2318-2324.
- 122 Högberg, N., Kroken, S., Thor, G., Taylor J. W. 2002. Reproductive mode and genetic variation suggest a North American origin of European *Letharia vulpina*, *Molec. Ecol.* 11:1191-1196.
- 121 LoBuglio, K. L, Taylor J. W. 2002. Recombination and genetic differentiation in the mycorrhizal fungus *Cenococcum geophilum* Fr. *Mycologia* 94:772-780.
- 120 Cruse, M., Telerant, R., Gallagher, T., Lee, T., Taylor, J. W. 2002. Cryptic species in *Stachybotrys chartarum*. *Mycologia* 94:814-822. Erratum: *Mycologia* 95:559 (2003).
- 119 Pringle, A. and J. W. Taylor. 2002. The fitness of filamentous fungi. *Trends in Microbiol.* 10:474-481.
- 118 Mendoza, L., Taylor, J. W., and L. Ajello. 2002. The class Mesomycetozoa: a heterogeneous group of microorganisms at the animal-fungal boundary. *Ann. Rev. Microbiol.* 56:314-344.
- 117 Fisher, M.C., Ranalla, B., Chaturvedi, V. and J. W. Taylor. 2002. Disease surveillance in recombining pathogens: multilocus genotypes identify sources of human *Coccidioides* infections. *Proc. Natl. Acad. Sci. (USA)* 99:9067-9071.
- 116 Fisher, M. C., Koenig, G. L., White, T. J., and J. W. Taylor. 2002. Molecular and phenotypic description of *Coccidioides posadasii* sp. nov., previously recognized as the non-California population of *Coccidioides immitis*. *Mycologia* 94:73-84.
- 115 Kroken, S., Taylor, J.W. 2001. Outcrossing and recombination in the lichenized fungus *Letharia*. *Fungal Genetics and Biology* 34:83-92

- 114 Dettman, J.R., Harbinski, F.M. and J. W. Taylor. 2001. Ascospore morphology is a poor predictor of the phylogenetic relationships of *Neurospora* and *Gelasinospora*. *Fungal Genet. Biol.* 34: 49-61.
- 113 Carter, D.A., Taylor, J. W., Dechairo, B. Burt, A., Koenig, G. L. and T. J. White. 2001. Amplified Single Nucleotide Polymorphisms and a (GA)<sub>n</sub> microsatellite marker reveal genetic differentiation between populations of *Histoplasma capsulatum* from the Americas. *Fungal Genet. Biol.* 34:37-48.
- 112 Koufopanou, V., Burt, A., Szaro, T., and Taylor, J. W. 2001. Gene Genealogies, Cryptic Species, and Molecular Evolution in the Human Pathogen *Coccidioides immitis* and Relatives (Ascomycota, Onygenales). *Molecular Biology and Evolution* 18: 1246-1258.
- 111 Fisher, M. C., Koenig, G. L., White, T. J., San-Blas, G., Negroni, R., Gutierrez Alvarez, I., Wanke, B., and J. W. Taylor. 2001. Biogeographic range expansion into South America by *Coccidioides immitis* mirrors New World patterns of human migration. *Proc. Natl. Acad. Sci. (USA)* 98:4558-4562.
- 110 Geiser, D. M, Dorner, J. W., Horn, B. W., Taylor, J.W. 2000. The phylogenetics of mycotoxin and sclerotium production in *Aspergillus flavus* and *Aspergillus oryzae* *Fungal Genetics and Biology.* 31: 169-179.
109. Mendoza, L., Ajello, L., and J. W. Taylor. 2001. The taxonomic status of *Lacazia loboi* and *Rhinosporidium seeberi* has been finally resolved with the use of molecular tools. *Rev. Iberoam. Micol.* 18:95-98.
108. Herr, R.A., Tarcha, E.J., Taborda, P.R., Taylor, J.W., Ajello, L. and L. Mendoza. 2001. Phylogenetic analysis of *Lacazia loboi* places this previously uncharacterized pathogen within the dimorphic Onygenales. *J. Clinical Microbiology* 39:309-314.
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#### **Book reviews:**

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- Fuller, M.S. and Taylor, J.W. 1979. Review of Mitosis in the Fungi (I.B. Heath, ed.). *Quarterly Review of Biology* 54:80-81.

#### **Memorials**

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#### **Short articles**

- Taylor, J. W. 2002. From the President's Corner. First chance. *Inoculum* 53(5):5
- Taylor, J. W. 2002. From the President's Corner. Volunteer labor. *Inoculum* 53(6):13
- Taylor, J. W. 2003. From the President's Corner. International mycology: Affiliations and alliances with foreign mycological societies. *Inoculum* 54(1):4-5.
- Taylor, J. W. 2003. From the President's Corner. Asilomar, California dreamin'. *Inoculum* 54(2):5.
- Taylor, J. W. 2003. From the President's Corner. MSA endowment. *Inoculum* 54(3):3.
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- Taylor, J. W. 2010. IMA Young Mycologist Awards. *IMA Fungus* 1(2): 18-19.

## Graduate students and postdocs.

### GRADUATE STUDENTS – Total 15

Ms. Emily Whiston	Current
Mr. Christopher Villalta	Current
Mr. Christopher Ellison	Postdoc, D. Bachtrog Lab, University of California, Berkeley
Ms. Elizabeth Turner	Postdoc, Indiana University
Mr. Thomas Sharpton	Postdoc, K. Pollard, University of California, San Francisco
Dr. Luz Beatriz Gilbert	Postdoc, Toulouse
Dr. Rachel Whitaker	Assistant Professor, Univ. of Illinois, Urbana-Champagne
Dr. Jeremy Dettman	Postdoc with J. Anderson, U. Toronto
Dr. Scott Kroken	Assistant Professor, University of Arizona
Dr. Greg Saenz	Director of Microbiology, ETS Testing, Los Angeles, California
Dr. Eric Swann	Midwest Regional Mgr, EMSL, Minneapolis, Minnesota.
Dr. Andrea Gargas	Asst. Professor, University of Wisconsin
Dr. Georgiana May	Professor, University of Minnesota
Dr. Steven Lee	Professor, San Jose State University
Dr. Will Sanders	Assistant Professor, Florida Gulf Coast University

### POSTDOCTORAL RESEARCHERS – Total 20

Dr. Sara Branco	Current
Dr. Rachel Adams	Current
Dr. Prachand Shrestha	Current
Dr. Jason Stajich	Asst. Prof, University of California, Riverside
Dr. Anne Pringle	Asst. Prof, Harvard University
Dr. Teresa Pawlowska	Asst. Prof, Cornell University
Dr. Jeff Townsend	Asst. Prof, Yale University
Dr. Hanna Johanneson	Asst. Prof., Uppsala University, Sweden
Dr. Jess Morgan	Senior Researcher, Primary Industry, Townsville, Australia
Dr. Takao Kasuga	Asst. Prof, University of California, Davis
Dr. Jamie Platt	Assoc. Sci. Dir., Quest Diagnostics, San Juan Capistrano, California
Dr. Matthew Fisher	Lecturer, Imperial College, London
Dr. Kathy LoBuglio	Research Assoc., Harvard University
Dr. Deb Greene	Roche Molecular Systems, Alameda, California
Dr. David Geiser	Professor, Plant Pathology, Pennsylvania State University
Dr. Deidre Carter	Reader, Microbiology, Univ. of Sydney, Australia
Dr. Austin Burt	Professor, Genetics, Imperial College, Sillwood Park, UK
Dr. V. Koufopanou	Researcher, Genetics, Imperial College, Sillwood Park, UK
Dr. Mary Berbee	Professor, Botany, U. British Columbia, Vancouver
Dr. T. Chase	Professor, Plant Pathology, South Dakota State Univ., Brookings
Dr. T. D. Bruns	Professor, Plant and Microbial Biology, U.C. Berkeley
Dr. M. Milgroom	Professor, Plant Pathology, Cornell University, Ithaca
Dr. D. O. Natvig	Professor, Biology, U. New Mexico, Albuquerque

## Speaking invitations (1996-2011)

- Seminar Speaker, Mycology Department, University of Copenhagen, February 1996
- Seminar Speaker, Food Technology, University of East Anglia, UK, January 1996
- Seminar Speaker, Department of Forestry, University of Uppsala, Sweden, March 1996
- Seminar Speaker, Department of Botany, Helsinki University, Finland, March 1996
- Seminar Speaker, Department of Botany, University of Turku, Finland, March 1996
- Seminar Speaker, Institute of Genetics and Microbiology, University of Paris-Sud, Orsay, April 1996

Seminar Speaker, Department of Cryptogamie, Museum of Natural History, Paris, April 1996  
Seminar Speaker, Department of Mycology, Pasteur Institute, April 1996  
Symposium Speaker, British Mycological Society, Centenary Symposium, Sheffield, UK, April 1996  
Symposium Speaker, Biodiversity & Genome Structure of Yeasts, Genetics, U. Copenhagen, Apr 1996.  
Seminar Speaker, Department of Plant Biology, Oxford University, Oxford, July 1996  
Seminar Speaker, Department of Plant Pathology, University of Arizona, October 1996  
Seminar Speaker, Mycological Society of San Francisco, February 1997  
Seminar Speaker, Department of Genetics, Washington University, St. Louis, April 1997  
Symposium Speaker, Coccidioidomycosis Study Group, San Diego, CA, April 1997  
Symposium Speaker, Medical Mycological Society of the Americas, Miami, May 1997  
Seminar Speaker, Aspergillus and Penicillium Workshop, Baarn, Netherlands, May 1997  
Keynote Speaker, British Mycological Society Workshop on Measuring Genetic Relatedness, September 1997  
Seminar Speaker, Novo Nordisk, Bagsværd, Denmark, September 1997  
Symposium Speaker, North American Mycological Association, Asilomar, February 1998  
Plenary Speaker, Sixth International Mycological Congress, Jerusalem, August 1998  
Seminar Speaker, Department of Botany and Plant Pathology, Oregon State University, March 1999  
Seminar Speaker, Departments of Botany and Zoology, Duke University, April 1999  
Symposium Speaker, VII Int'l Paracoccidioidomycosis Meeting, Campos do Jordao, Brazil, April 1999  
Symposium Speaker, II Int'l Workshop: Molecular Appr. to Pathogenic Fungi, Guanajuato, Mexico, May 1999  
Symposium Speaker, Int'l Botanical Congress, St Louis, Missouri, August 1999  
Symposium Speaker, Int'l Union Microbiol. Soc., Mycological Congress, Sydney, August 1999  
Plenary Speaker, Int'l Union Microbiological Societies, Mycological Congress, Sydney, August 1999  
Seminar Speaker, Division of Biomedical Sciences, Graduate Program in Microbiology and Department of Plant Pathology, University of California, Riverside, October 1999  
Plenary Speaker, Int'l Union Microbiological Societies, Mycological Congress, Sydney, August 1999  
Seminar Speaker, Northern California American Society for Microbiology meeting, Monterey, November 1999  
Plenary Speaker, BioY2K combined meeting, Grahamstown, South Africa, January 2000  
Seminar Speaker, Mondi Forestry, KwaZulu Natal, South Africa, January 2000  
Seminar Speaker, University of Pretoria, FABI, South Africa, January 2000  
Seminar Speaker, Stellenbosch University, Cape Town, South Africa, February 2000  
Seminar Speaker, ISHAM, Buenos Aires, May 2000  
Seminar Speaker, Jepson Herbarium 50<sup>th</sup> Anniversary, Berkeley, June 2000  
Symposium Speaker, British Society for Medical Mycology, London, November 2000  
Seminar Speaker, Novozymes, Copenhagen, November 2000  
Seminar Speaker, Fungal Genetics Conference, Asilomar, California, March 2001  
Seminar Speaker, Department of Microbiology, Michigan State University, April 2001  
Seminar Speaker, Department of Plant Pathology, University of California, Davis, May 2001  
Symposium Speaker, Phytopathological Society of America, Salt Lake City, August, 2001  
Symposium Speaker, Brazilian Society for Microbiology, Foz do Iguacu, October, 2001  
Seminar Speaker, Whitehead Institute Fungal Genomics Workshop, Washington, DC November 2001  
Seminar Speaker, Workshop on Microbial Systematics, Pop Gen and Epidemiology, Berlin, November, 2001  
Seminar Speaker, Construction Employer's Association, Concord, California, February 2002  
Seminar Speaker, Lorman Seminar on Solving Water Intrusion and Mold Problems, San Francisco, March 2002  
Seminar Speaker, British Society for Medical Mycology, Aberdeen, April 2002  
Symposium Speaker, American Society for Microbiology, Salt Lake City, May 2002  
Plenary Speaker, Intl. Mycology Congress, IUMS, Paris, July 2002  
Seminar Speaker, Defense Threat Reduction Agency, Baltimore, October 2002  
Symposium Speaker, Intl Workshop on MLST, Hinxton, Wellcome Trust, UK, December 2002  
Seminar Speaker, Peter Medawar Bldg. For Pathogen Research, Oxford, UK, December 2002  
Seminar Speaker, Lorman Seminar on Solving Water Intrusion and Mold Problems, San Fran., December 2003  
Symposium Speaker, The tree of life, Berkeley Natural History Museums, February 2003  
Seminar Speaker, Biology, University of Pennsylvania, April 2003  
Plenary Speaker, Netherlands Microbiology Society, Arnhem, April 2003

Seminar Speaker, Aspergillus Lab, Institute Pasteur, April 2003  
Presidential address, Mycological Society of America Annual Meeting, Asilomar, July 2003  
Seminar Speaker, The Farness Lecture, Arizona Respiratory Center, University of Arizona, Tucson, November 2003  
Seminar Speaker, Graduate Program in Genetics & Division of Plant Pathology and Microbiology, University of Arizona, Tucson, November 2003  
Symposium Speaker, Danish Biodiversity Information Facility, Copenhagen, March 2004 (declined)  
Seminar Speaker, Program in Medical Mycology, Duke University, March 2004 (declined)  
Seminar Speaker, Whetzel, Wescott, Dimmock Distinguished Lecturer in Plant Pathology, Cornell University, March 2004.  
Symposium Speaker, Neurospora Conference, Asilomar, March 2004.  
Symposium Speaker, European Fungal Genetics Conference, Copenhagen, April 2004.  
Colloquium Speaker, Dutch Royal Academy, Amsterdam, May 2004  
Symposium Speaker, American Society for Microbiology Annual Meeting, New Orleans, May 2004  
Seminar Speaker, Gordon Conference on the Biology of Host-Parasite Interactions, June 2004 (declined)  
Symposium Speaker, American Phytopathological Society Annual Meeting, Anaheim, CA, August 2004  
Symposium Speaker, British Mycological Society, Nottingham, September 2004  
Keynote Speaker, Phytophthora Conference, Asilomar, CA, March 2005  
Plenary Speaker, FEBS Course on Human Fungal Pathogens. Nice, France, May 2005  
Invited Speaker, Chinese Academy of Sciences, Mycology and Lichenology Laboratory, Beijing, July 2005  
Keynote Speaker, International Botanical Congress, Vienna, July 2005 (declined)  
Symposium Speaker, Latin American Mycology Assoc. Congress, Brasilia, August 2005 (declined)  
Symposium Speaker, Mexican National Congress on Fungi, Morelia, October 2005 (declined)  
Invited Speaker, Hans Kristiansson Symposium on Molecular Ecology & Evol., Lund, Sweden, September 2005  
Invited Speaker, Comparative Genomics of Eukaryotic Microorganisms, San Feliu de Guixols, Spain, Nov 2005  
Invited Speaker, Species and speciation in micro-organisms. The Royal Society, London, March 2006  
Invited Speaker, National Museum of Natural History, Paris, March 2006  
Invited Speaker, Neurospora Genetics Conference, Asilomar, California, March 2006  
Invited Speaker, Biological Centre, University of Groningen, April 2006  
Invited Speaker, Ecology and Evolutionary Biology and Plant Science, Univ. of Arizona, Tucson April 2006  
Session Chair and Invited Speaker, Fungal Gordon Conference, Holderness, New Hampshire, June 2006.  
Plenary Speaker, International Mycological Congress 8, Cairns, Australia, July 2006.  
Keynote Speaker, IXth Intl Fungal Biol. Conf & 16th New Phytologist Symp., Nancy, France, September 2006.  
Invited Speaker, TLL Symposium, Temasek Lifesciences Laboratory, University of Singapore, January 2007.  
Plenary Speaker, Fungal Genetics Conference, Asilomar, California, March 2007  
Invited Speaker, Department of Biology, University of Texas, San Antonio, April 2007  
Invited Speaker, Beadle Center, University of Nebraska, Lincoln, April 2007  
Invited Speaker, ETH Symposium on Symbiotic Fungi, Ascona, Switzerland, May 2007  
Symposium Speaker, Mycological Society of American, Baton Rouge, Louisiana, August 2007  
Invited Speaker, Department of Plant Biology, University of Georgia, Athens, September 2007  
Distinguished Lecturer Seminar, Centers for Disease Control and Prevention, Atlanta, February 2008  
Symposium Speaker, Joint Genome Institute, Users Conference, April 2008  
Symposium Speaker, Neurospora Conference, Asilomar, California, April 2008  
Invited Speaker, University of Houston, April 2008  
Invited Speaker, TLL, University of Singapore, May 2008  
Invited Speaker, Center for Ecology and Evolutionary Biology, University of Oregon, Eugene, May 2008  
Symposium Speaker, Integrating Evolution, Development, and Genomics, Berkeley, May 2008  
Symposium Speaker, American Society for Microbiology, Boston, June 2008  
Co-Chair, Gordon Research Conference on Cellular and Molecular Fungal Biology, New Hampshire, July 2008  
Invited Speaker, JASON, La Jolla, CA, July 2008.  
Invited Speaker, Duke University Medical School, April 2009  
Invited Speaker, FEBS Advanced Course on Human Fungal Pathogen, La Colle-sur-Loup, France, May 2009  
Invited Speaker, Swiss Evolution Workshop, La Fouley, Switzerland, June 2009

Invited Speaker, Evolution and Medicine, University of Toulouse, October 2009  
Invited Speaker, Canadian Inst. for Advanced Study, UBC, Vancouver, January 2010  
Keynote Speaker, Fungal Dimorphic Pathogens, ASM, Miami, March 2010  
Invited Speaker, European Neurospora Conference, Leiden, March 2010  
Plenary Speaker, European Fungal Genetics Conference, Amsterdam, March 2010  
Invited Speaker, National University of Singapore, TLL, May 2010  
Keynote Speaker, International Mycological Congress IX, Edinburgh, August 2010  
Invited Speaker, National University of Singapore, TLL, January 2011  
Invited Speaker, Kasetser University, Bangkok, January 2011  
Invited Speaker, California Native Plant Society, Marin Co. January 2011  
Invited Speaker, Town and Gown, Berkeley, February 2011  
Keynote Speaker, One fungus-One Name Symposium, Amsterdam, April 2011  
Workshop Speaker, Human Pathogenic Fungi course, La Colle sur Loup, France, May 2011  
Invited Speaker, Jacques Monod Conference on Emerging Fungal Disease, Roscof, France, June 2011